
Vital and Health Statistics

Trends in the Health of Older Americans: United States, 1994

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Includes data from various sources concerning trends in the health status and determinants of health of older persons. Data on persons aged 55-64 years are included for comparison purposes.

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Contents

| | |
|---|-----|
| Introduction..... | 1 |
| Chapter 1. Disability and its consequences in a cohort of elderly | 3 |
| Chapter 2. Trends in health status..... | 29 |
| Chapter 3. Trends in mortality | 131 |
| Chapter 4. Trends in hospital use | 158 |
| Chapter 5. Trends in long-term care | 274 |
| Chapter 6. Trends in national health expenditures | 299 |

Appendixes

| | |
|--|-----|
| I. Sources and limitations of data | 309 |
| II. Definition of general terms | 319 |
| III. How to order PC Lotus diskette of tables..... | 327 |
| IV. Guide to tables..... | 328 |

Text figures

Chapter 1

| | |
|--|---|
| 1. Percent distribution of elderly persons by vital status as of 1990 recontact, according to receiving help of another person with activities of daily living in 1984: United States..... | 8 |
| 2. Percent distribution of elderly persons by vital status as of 1990 recontact, according to receiving help of another person with instrumental activities of daily living in 1984: United States | 8 |
| 3. Percent distribution of elderly persons by activity limitation at 1990 recontact, according to receiving help of another person with activities of daily living in 1984: United States | 9 |
| 4. Percent distribution of elderly persons by hospital and nursing home stay, according to receiving help of another person with activities of daily living in 1984 and vital status as of 1990 recontact: United States | 9 |

Chapter 2

| | |
|--|----|
| 1. Percent of elderly 65 years of age and over with a respondent-assessed health status of poor, by race and age: United States, 1982-92 | 33 |
| 2. Percent of persons 70 years of age and over with limitation in personal care activities, by race: United States, 1985-92 | 33 |

| | |
|--|----|
| 3. Percent of persons 70 years of age and over with limitation in routine care activities, by race: United States, 1985–92 | 34 |
| 4. Average annual rate of respondent-reported arthritis for persons 65 years of age and over, by race: United States, selected years | 34 |
| 5. Average annual rate of respondent-reported arthritis for persons 65 years of age and over, by sex: United States, selected years | 35 |

Chapter 3

| | |
|--|-----|
| 1. Life expectancy at 65 years of age, by sex and race: United States, 1950–91 | 133 |
| 2. Age-specific death rates for diseases of the heart for persons 70–74 years of age, by sex: United States, 1960–91 | 133 |
| 3. Age-specific death rates for malignant neoplasms of the respiratory and intrathoracic organs for persons 70–74 years of age, by sex: United States, 1960–91 | 134 |
| 4. Age-specific death rates for malignant neoplasms of the prostate for males 70–74 years of age and 85 years of age and over: United States, 1960–91 | 134 |
| 5. Age-specific death rates for malignant neoplasms of the breast for females 70–74 years of age and 85 years of age and over: United States, 1960–91 | 135 |

Chapter 4

| | |
|---|-----|
| 1. Average length of stay in days for discharges from short-stay hospitals, by age: United States, 1970–91 | 162 |
| 2. Average length of stay in days for discharges with hip fractures from short-stay hospitals, by age: United States, 1970–91 | 162 |
| 3. Rate of discharges from short-stay hospitals with a first-listed diagnosis of septicemia per 10,000 population, by age: United States, 1980–91 | 163 |
| 4. Rate of discharges 65 years of age and over from short-stay hospitals with a first-listed diagnosis of heart disease per 10,000 population, by sex: United States, 1970–91 | 163 |
| 5. Rate of selected surgical and diagnostic procedures for discharges 65 years of age and over from short-stay hospitals per 100,000 population: United States, 1980–91 | 164 |

Chapter 5

| | |
|---|-----|
| 1. Number of nursing home residents per 1,000 persons 65 years of age and over, by sex and age: United States, selected years | 278 |
| 2. Percent distribution of nursing home residents, according to mobility status, age, and sex: United States, 1977 and 1985 | 278 |
| 3. Percent distribution of nursing home residents, according to number of activities of daily living for which help of another was required, by age and sex: United States, 1977 and 1985 | 279 |
| 4. Percent of nursing home residents with depression, by age and sex: United States, 1977 and 1985..... | 279 |

Chapter 6

| | |
|--|-----|
| 1. National health care expenditures as a percent of gross domestic product: United States, selected years 1960–91 | 302 |
| 2. Expenditures for types of personal health care for all ages as a percent of national health expenditures: United States, selected years 1960–91 | 302 |

Text tables

Chapter 1

| | |
|---|----|
| 1. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with activities of daily living, according to vital status as of 1990 recontact: United States | 10 |
|---|----|

| | |
|--|----|
| 2. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with instrumental activities of daily living, according to vital status as of 1990 recontact: United States | 11 |
| 3. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with activities of daily living, according to age and number of activity limitations at 1990 recontact: United States | 12 |
| 4. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with instrumental activities of daily living, according to activity limitations at 1990 recontact: United States | 13 |
| 5. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with activities of daily living, according to hospital and nursing home stays and vital status as of 1990 recontact: United States | 14 |
| 6. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with instrumental activities of daily living, according to hospital and nursing home stays and vital status as of 1990 recontact: United States | 16 |
| 7. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with activities of daily living, according to primary reason for moving from residence and vital status as of 1990 recontact: United States | 18 |
| 8. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with instrumental activities of daily living, according to primary reason for moving from residence and vital status as of 1990 recontact: United States | 20 |
| 9. Number and percent distribution of persons 70 years of age and over in 1984, according to vital status as of 1990 recontact and selected indicators of disability: United States | 22 |
| 10. Number and percent distribution of persons 70 years of age and over in 1994, according to hospital and nursing home stays and vital status as of 1990 recontact and selected indicators of disability in 1984: United States | 23 |
| 11. Number and percent distribution of persons 70 years of age and over in 1994, according to primary reason for moving from residence and vital status as of 1990 recontact and selected indicators of disability in 1984: United States | 26 |

Chapter 2

| | |
|--|----|
| 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92 | 36 |
| 2. Number of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985–92 | 51 |
| 3. Percent of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985–92 . | 54 |
| 4. Number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, and age: United States, 1982–92 | 57 |
| 5. Number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, and age: United States, 1982–92 | 59 |
| 6. Average number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years | 61 |
| 7. Average number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years | 64 |
| 8. Average annual number of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years | 67 |

| | |
|---|-----|
| 9. Average annual rate of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years | 71 |
| 10. Average annual number of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years | 75 |
| 11. Average annual rate of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years | 78 |
| 12. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years | 81 |
| 13. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years | 84 |
| 14. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by race, age, and type of condition: United States, selected years | 87 |
| 15. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by race, age, and type of condition: United States, selected years | 89 |
| 16. Average annual number of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years | 91 |
| 17. Average annual rate of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years | 94 |
| 18. Average annual number of selected respondent-reported chronic circulatory conditions by race, age, and type of condition: United States, selected years | 97 |
| 19. Average annual rate of selected respondent-reported chronic circulatory conditions, by race, age, and type of condition: United States, selected years | 100 |
| 20. Average annual number of selected respondent-reported chronic respiratory conditions, by sex, age, and type of condition: United States, selected years | 103 |
| 21. Average annual rate of selected respondent-reported chronic respiratory conditions, by sex, age, and type of condition: United States, selected years | 105 |
| 22. Average annual number of selected respondent-reported chronic respiratory conditions, by race, age, and type of condition: United States, selected years | 107 |
| 23. Average annual rate of selected respondent-reported chronic respiratory conditions, by race, age, and type of condition: United States, selected years | 109 |
| 24. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years | 111 |
| 25. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years | 114 |
| 26. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by race, age, and type of condition: United States, selected years | 117 |
| 27. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by race, age, and type of condition: United States, selected years | 119 |
| 28. Average annual number of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years | 121 |
| 29. Average annual rate of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years | 124 |
| 30. Average annual number of selected respondent-reported chronic digestive conditions, by race, age, and type of condition: United States, selected years | 127 |

| | |
|--|-----|
| 31. Average annual rate of selected respondent-reported chronic digestive conditions, by race, age, and type of condition: United States, selected years | 129 |
|--|-----|

Chapter 3

| | |
|--|-----|
| 1. Life expectancy at birth and at 65, 75, and 85 years of age, by sex and race: United States, selected years 1900–91 | 136 |
| 2. Death rates for all causes, by race, sex, and age: United States, selected years | 138 |
| 3. Death rates for diseases of the heart, according to race, sex, and age: United States, selected years 1960–91 | 141 |
| 4. Death rates for cerebrovascular disease, by race, sex, and age: United States, selected years 1960–91 | 144 |
| 5. Death rates for malignant neoplasms, by race, sex, and age: United States, selected years 1960–91 . | 147 |
| 6. Death rates for malignant neoplasms of the respiratory system, by race, sex, and age: United States, selected years 1960–91 | 150 |
| 7. Death rates for malignant neoplasms of the colon, by race, sex, and age: United States, selected years 1960–91 | 153 |
| 8. Death rates for malignant neoplasms of the prostate for males, by race and age: United States, selected years 1960–91 | 156 |
| 9. Death rates for malignant neoplasms of the breast for females, by race and age: United States, selected years 1960–91 | 157 |

Chapter 4

| | |
|---|-----|
| 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991..... | 165 |
| 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991 | 176 |
| 3. Average length of stay for discharges from short-stay hospitals, by age, sex, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991 | 187 |
| 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991..... | 198 |
| 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991 | 206 |
| 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991 | 214 |
| 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991 | 222 |
| 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991 | 237 |
| 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991 | 252 |
| 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991 | 263 |

Chapter 5

| | |
|---|-----|
| 1. Number and rate of nursing home residents 65 years of age and over, by age, sex, and race: United States, 1963, 1973–74, 1977, 1985 | 280 |
| 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985 | 281 |
| 3. Number and percent of nursing home residents, by sex, age, and measures of dependency in activities of daily living: United States, 1977, 1985 | 287 |

| | |
|--|-----|
| 4. Number of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985 | 291 |
| 5. Percent of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985 | 294 |
| 6. Number and percent of nursing home residents, by sex, age, depression, and selected behavioral problems: United States, 1977 and 1985 | 297 |

Chapter 6

| | |
|---|-----|
| 1. Gross domestic product, national health expenditures, and Federal and State and local government expenditures: United States, selected years 1960–91 | 303 |
| 2. National health expenditures, percent distribution, and average annual percent change, according to type of expenditure: United States, selected years 1960–91 | 304 |
| 3. Number of Medicare enrollees and amount and percent distribution of expenditures, according to type of service: United States and other areas, selected years 1967–91 | 306 |
| 4. Medicare enrollment, persons served, and payments for Medicare enrollees 65 years of age and over, by year and selected characteristics: United States and other areas, selected years 1967–90 | 307 |

Symbols

- - - Data not available
 - . . . Category not applicable
 - Quantity zero
 - * Figure does not meet standard of reliability or precision
 - *— Figure does not meet standard of reliability and quantity zero
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Trends in the Health of Older Americans: United States, 1994

by Robin A. Cohen, Ph.D., and Joan F. Van Nostrand, D.P.A., Office of Vital and Health Statistics Systems

Introduction

This report presents national trend data on health for older Americans. Examination of trend data highlights changes over time for aggregate groups of the elderly. Trend data are presented for: health status, mortality, use of hospitals, use of nursing homes, and national health expenditures. A major criterion used in selecting the data presented here is the availability of comparable national data for older Americans over a period of several years. Although the focus of the report is on trend data, some data also are included on disability and its consequences for a cohort of the elderly. Such longitudinal data permit an examination at the intra-individual level of the relationship of baseline health status and subsequent morbidity and mortality.

Previous reports (1,2) on the health of older Americans from the National Center for Health Statistics (NCHS) concentrated on one point in time, usually the most recent data available. In contrast, this report presents data on health trends of older Americans over the past 10–30 years. Most of the data are from continuous or repeated surveys conducted by NCHS. Because older Americans are a heterogeneous population, data presented are by

detailed categories of age—from the young-old (65–74 years of age) to the oldest-old (85 years of age and over), sex, and race which are not generally available in other reports. Data on those who are approaching older ages (persons 55–64 years of age) are presented for comparison purposes. Public-use tapes of NCHS data sets were used for data presented in chapters 1, 2, 4, and 5. Researchers using the tapes can verify their results using the data presented here.

This report on health trends of older Americans is the first of a series. Others will be released periodically to update the data presented here and to include new sources of data on health trends as they become available. Advice concerning the content and format of this report was provided by researchers, policy analysts, and other users of health data about older Americans. They recommended that this trend report address the needs of multiply audiences. For this reason, tables are included which present trend data in great detail for those interested in in-depth information. Charts highlighting the major trends are included for those interested in summary information. Each chapter contains a brief description of the source of data, specific definitions, charts, and tables. Appendix I contains more detailed information on the sources of the data, and appendix II provides definitions of general terms. This information is provided to assist the user in interpreting the data. A PC Lotus diskette of all tables in this report, created for researchers and others who wish to conduct their own analyses of the data, is available. See appendix III for information on how to order the diskette. And finally, a

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subject matter guide to the tables is presented in appendix IV. In the guide, the tables are cross-indexed by certain variables, such as sex, race, the oldest-old, activities of daily living, long-term care, hospital care, and selected chronic conditions.

Because many of the estimates in this report are based on sample surveys, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same survey and processing procedures. The validity of hypotheses about these sample survey estimates was evaluated according to statistical protocols described in appendix I. Terms in the text relating to differences, such as “higher” and “less,” indicate that the differences are statistically significant. Terms such as “similar” or “no difference” mean that no

statistically significant difference exists between the estimates being compared. Generally, statistical tests performed were two-tailed tests unless there was a prior one-tailed hypothesis. No adjustments for multiple comparisons were made. A detailed discussion of hypothesis testing and the level of statistical significance is included in appendix I.

References

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Chapter 1

Disability and its consequences in a cohort of elderly

This chapter presents data on changes in functional limitation and vital status between 1984 and 1990 using data from the Longitudinal Study of Aging (LSOA). The LSOA was designed to measure transitions in functional status and living arrangements for a nationally representative cohort of Americans who were aged 70 and older in 1984 and lived in the community. This cohort was interviewed in 1984 and re-interviewed in 1986, 1988, and 1990. A strength of longitudinal data is its ability to describe aging, its determinants, and its consequences as a process occurring over time for individuals rather than for population aggregates (1).

In this analysis, disability status is measured by functional limitation (ability to perform everyday personal care and home management activities) as well as other indicators of physical activity (such as the ability to walk 1/4 mile). The consequences of disability are measured by hospital stays, nursing home stays, movement to a different community-based residence, and death. Changes in functional limitations are also studied. Tables present data on the consequences of disability between the initial 1984 interview and the 1990 re-interview. Data are presented in tables 1–11.

Sources of data

The LSOA was conducted by the National Center for Health Statistics (NCHS) in collaboration

with the National Institute on Aging. The LSOA was designed to measure changes since the 1984 baseline in the following key areas:

- functioning
- family structure
- housing and living arrangements
- health care
- economic and retirement indicators
- vital status.

Data were also collected on the use of medical care, such as physician contacts, hospitalizations, and nursing home stays. Data on hospitalizations were obtained from Medicare administrative records.

The baseline data for this longitudinal survey is the Supplement on Aging (SOA) to the 1984 National Health Interview Survey (NHIS). The SOA was specifically directed toward civilian noninstitutionalized persons 55 years of age and over and has been fully described elsewhere (2).

The SOA interviews were conducted in person in the sample person's home usually following completion of the regular NHIS interview. The SOA sample consisted of a systematic one-half sample of people 55–64 years of age in the 1984 NHIS households and all people in the 1984 NHIS households who were 65 years of age and over.

SOA interviews were conducted with the sample person whenever possible. Proxies were used for people unable to respond for themselves because of physical or mental problems or because of hospitalization or other absence while the interviewer was in the area.

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A broad spectrum of topics relating to health, social functioning, and living arrangements of older people living in the community was covered in the SOA interview. Information included family structure and living arrangements, relationships and social contacts, use of community services, occupation and retirement, health conditions and impairments (such as selected indicators of disability), activities of daily living (ADL's), instrumental activities of daily living (IADL's), persons providing help with ADL's and IADL's, nursing home stays, opinions about one's own health, and information needed for tracking.

Because the SOA was designed as the baseline for a longitudinal study, information for followup was also collected as part of the interview. All respondents (or their proxies) were told that they might be contacted again and were asked to provide the name, address, and telephone number of someone who did not live in the household and who would know about them. They were also told that NCHS would like to link the interview data with other records of the U.S. Department of Health and Human Services and were asked for all information (including Social Security number) that is recommended for linkage with both the National Death Index (NDI) and Medicare administrative records.

The LSOA sample included all persons 70 years of age and over in 1984 who participated in the SOA. The following material is taken from Kovar, Fitti, and Chyba (3). For a more complete discussion of the LSOA, please see this report.

The LSOA interviews were conducted using three methods:

- Telephone interviews were conducted using computer-assisted telephone interviewing or CATI. This was the most frequent approach to data collection.
- Questionnaires were mailed to people without information for telephone calls, people with no response to the telephone calls, and other contacts who were reluctant to answer without some written confirmation about the study.

- Telephone interviews were conducted using paper questionnaires.

A description of the survey design, the methods used in estimation, and general qualifications of the data obtained from the survey are discussed in appendix I.

Because the estimates are based on a sample of the population, they are subject to sampling error. Therefore, readers should pay particular attention to "Reliability of the survey estimates" in appendix I which shows formulas for calculating standard errors and instructions for their use.

Definition of terms

Deceased—Sample persons were considered to be deceased if their death was ascertained at the time of the recontacts.

Activities of daily living (ADL's)—These include six personal care activities: bathing, dressing, toileting (including getting to the toilet), walking, getting in and out of bed or chair, and eating. Persons were counted as being limited in an ADL if, as a result of a health or physical problem, they had difficulty with the activity and received the help of another person in performing the activity. Persons reported as not performing an ADL were classified with those reported as receiving help of another with that ADL.

Instrumental activities of daily living (IADL's)—These include six home-management activities: preparing meals, shopping for personal items, money management, using the telephone, doing light housework (doing dishes, straightening up, or light cleaning), and doing heavy housework (scrubbing floors, washing windows). Persons were considered to have difficulty with an IADL if, because of a health or physical problem, they had difficulty performing specific activities by themselves and received the help of another person to perform the activity. Persons reported as not performing an IADL were not classified with those receiving help of another with that IADL. Unlike the ADL's, IADL's are not necessities of life and may not be done for a variety

of reasons other than disability. For example, as a result of role socialization, men may perform fewer IADL's than women, and thus their reports of difficulties may be underestimates.

Indicators of disability—These refer to selected measures such as getting outside, walking 1/4 mile, walking up 10 steps without resting, lifting or carrying 25 pounds, lifting or carrying 10 pounds, falling more than once in the past 12 months, dizziness which prevents doing activities, difficulty controlling bowels on a daily basis, and difficulty controlling bladder on a daily basis.

Persons were classified as being limited in an indicator as follows:

Getting outside—Persons were classified as limited if, because of a health or physical problem, they had difficulty getting outside and received the help of another person or if they did not get outside.

Walking 1/4 mile—Persons were classified as limited if they had difficulty walking 1/4 mile (about 2 or 3 blocks) without the use of aids.

Lifting or carrying 25 pounds—Persons were classified as limited if they had difficulty lifting or carrying 25 pounds (such as two full bags of groceries) without the use of aids.

Lifting or carrying 10 pounds—Persons were classified as limited if they had difficulty lifting or carrying 10 pounds without the use of aids.

Falling—Persons were classified as limited if they had fallen more than once during the 12 months prior to the interview.

Dizziness (respondent-defined)—Persons were classified as having problems with dizziness if they had trouble with dizziness or had fallen because they were dizzy, and the dizziness also prevented them from doing activities they could otherwise have done.

Difficulty controlling bowels—Persons were classified as having difficulty controlling bowels if they had this difficulty on a daily basis or they had a colostomy (see definition below) or a device to control bowels. This indicator includes

accidentally soiling oneself as well as chronic inability to empty the bowels but does not include occasional constipation.

Difficulty controlling bladder—Persons were classified as having difficulty controlling the bladder if they had this difficulty on a daily basis or they had a urinary catheter (see definition below) or device to help control urination. This includes accidentally wetting oneself, including occasional slight "leaking."

Colostomies, urinary catheters, or other devices—These include surgical openings and/or devices used to aid bowel movement or urination when the person has lost natural control of these functions through illness, disability, surgery, or other causes. This does not include enemas or suppositories as devices.

Hospital stay—Persons were classified as having a hospital stay if there was a Medicare record indicating that they had at least one hospital stay anytime during the period from the initial 1984 SOA interview to the 1990 LSOA reinterview. There may be an undercount of hospital stays for the community-dwelling elderly in 1984 because there was a small percentage of elderly persons who did not receive Medicare or who refused to have their survey response matched with the Medicare records.

Nursing home stay—Persons were classified as having a nursing home stay if they, their proxy, or their descendants indicated that there was at least one nursing home stay sometime during the period from the initial 1984 SOA interview to the 1990 LSOA interview.

Moved from residence—Persons were classified as having moved if they or their proxy indicated that the person had moved from one residence in the community to another residence within the community anytime during the period from the initial 1984 SOA interview to the 1990 LSOA interview. This does not include a person moving to a nursing home.

Moved because of health—Persons were classified as moving because of health if the primary reason they gave for moving was either their deteriorated health or their spouses' deteriorated health.

Discussion

The risk of death varied with age and degree of functional limitation. Both age and functional limitation in ADL's or IADL's increased the risk of death (figures 1 and 2). For persons 70–79 years of age with no limitation in ADL's in 1984 (regardless of IADL limitation), 20 percent were known to have died by 1990 (figure 1). The risk of dying was 2.5 times greater for those persons with a limitation in at least one ADL and 3 times greater for those persons with three or more ADL limitations. Limitations in three or more ADL's are of interest because they are often seen as a trigger for long-term care benefits. A similar pattern in risk of death occurred for persons 80 years of age and over. For 6–15 percent of persons in the LSOA, vital status was unknown in 1990.

The risk of death was also associated with IADL limitations (regardless of ADL limitation). For persons 70–79 years of age, there was a twofold increase in risk of death with limitation in one or more IADL's and almost a threefold increase in risk of death for those persons with three or more IADL's (figure 2). A similar pattern in risk of dying was observed for persons 80 years of age and over.

Changes in ADL limitations were analyzed for persons living in the community at the 1990 recontact (figure 3). This subpopulation may include persons who were admitted and discharged from nursing homes in the period from the 1984 interview to the 1990 recontact but excludes persons who were in a nursing home at the time of the 1990 reinterview. Because those with more ADL limitations are more likely to die (see figure 1), patterns of change in ADL limitation may differ if one looks at the total population, which includes individuals who have died. This community-based subpopulation may represent a hardier group and thus may exhibit a higher

rate of improvement or a lower rate of decline in functional status than would the total population.

For the community subpopulation alive at 1990 recontact, among those persons 70 years of age and over who had no difficulty in ADL's in 1984, 62 percent remained independent in both ADL's and IADL's, and 13 percent experienced a functional decline in ADL's by 1990 (figure 3). Twenty-five percent of the elderly were free of ADL limitation at 1990 recontact but received help of another with at least one IADL. Of these 25 percent, three-quarters did not have IADL limitation in 1984 (data not shown).

In contrast, among those with some difficulty in ADL function in 1984, 14 percent were independent in both ADL's and IADL's at 1990 recontact, and 68 percent remained dependent in ADL's (figure 3). Seventeen percent were independent in ADL's but dependent in at least one IADL at 1990 recontact. Of these 17 percent, three-quarters were limited in IADL's in 1984 (data not shown).

For persons 70 years of age and over in 1984 with no ADL or IADL limitation in 1990, 62 percent were free of ADL limitations and 14 percent were limited in at least one ADL in 1984 (figure 3). In contrast to this, for those persons with at least one ADL and one IADL limitation in 1990, only 12 percent were free of ADL limitations, and 61 percent had a limitation in at least one ADL in 1984.

For persons alive at the 1990 recontact, ADL limitation increased the risk of having a hospital stay, nursing home stay or both by the 1990 recontact (figure 4). Seventy-five percent of persons alive in 1990 with an ADL difficulty in 1984 had a hospital or nursing home stay in the period from the 1984 to the 1990 recontact, compared with only 55 percent of those with no ADL difficulties in 1984.

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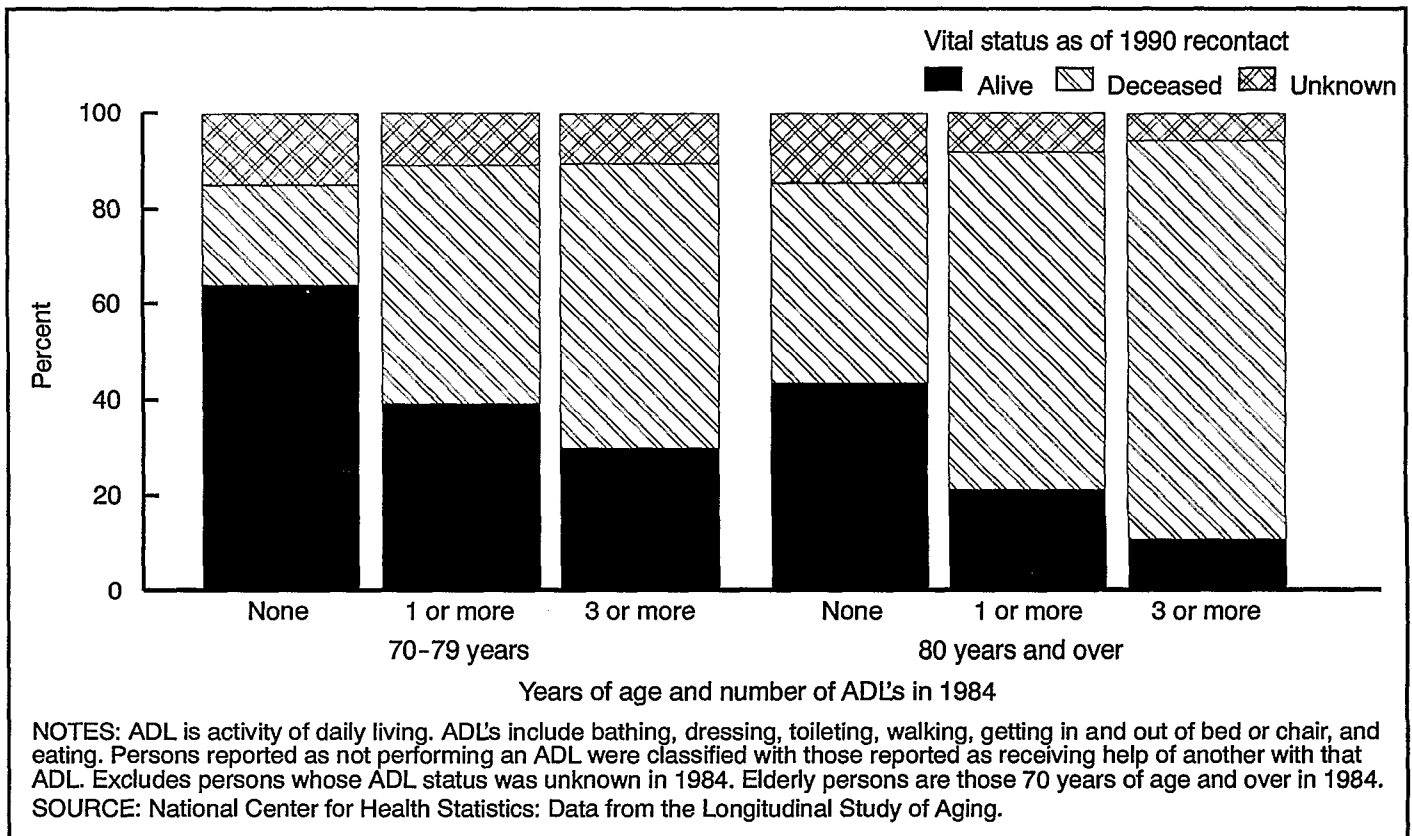


Figure 1. Percent distribution of elderly persons by vital status as of 1990 recontact, according to receiving help of another person with activities of daily living in 1984: United States

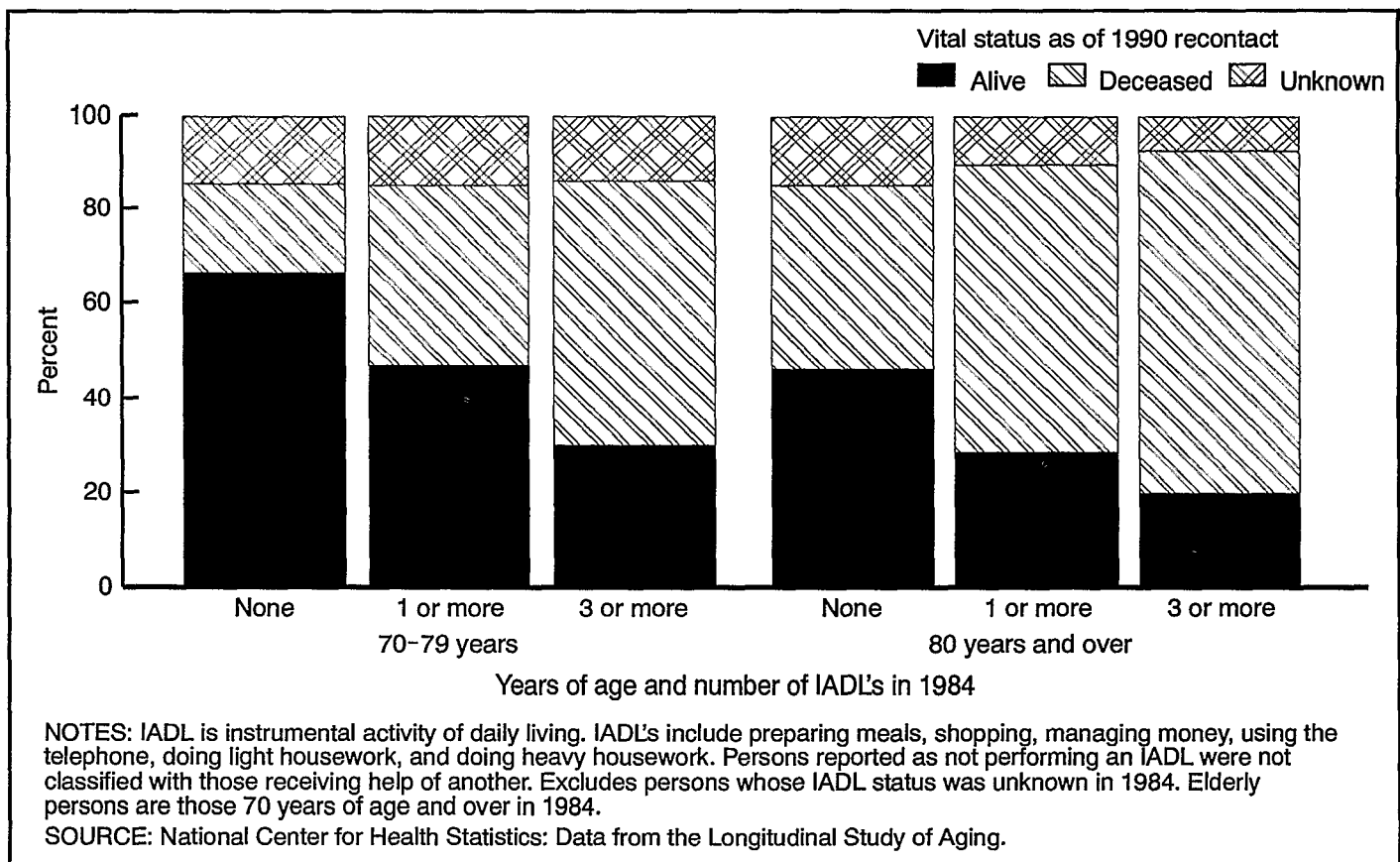


Figure 2. Percent distribution of elderly persons by vital status as of 1990 recontact, according to receiving help of another person with instrumental activities of daily living in 1984: United States

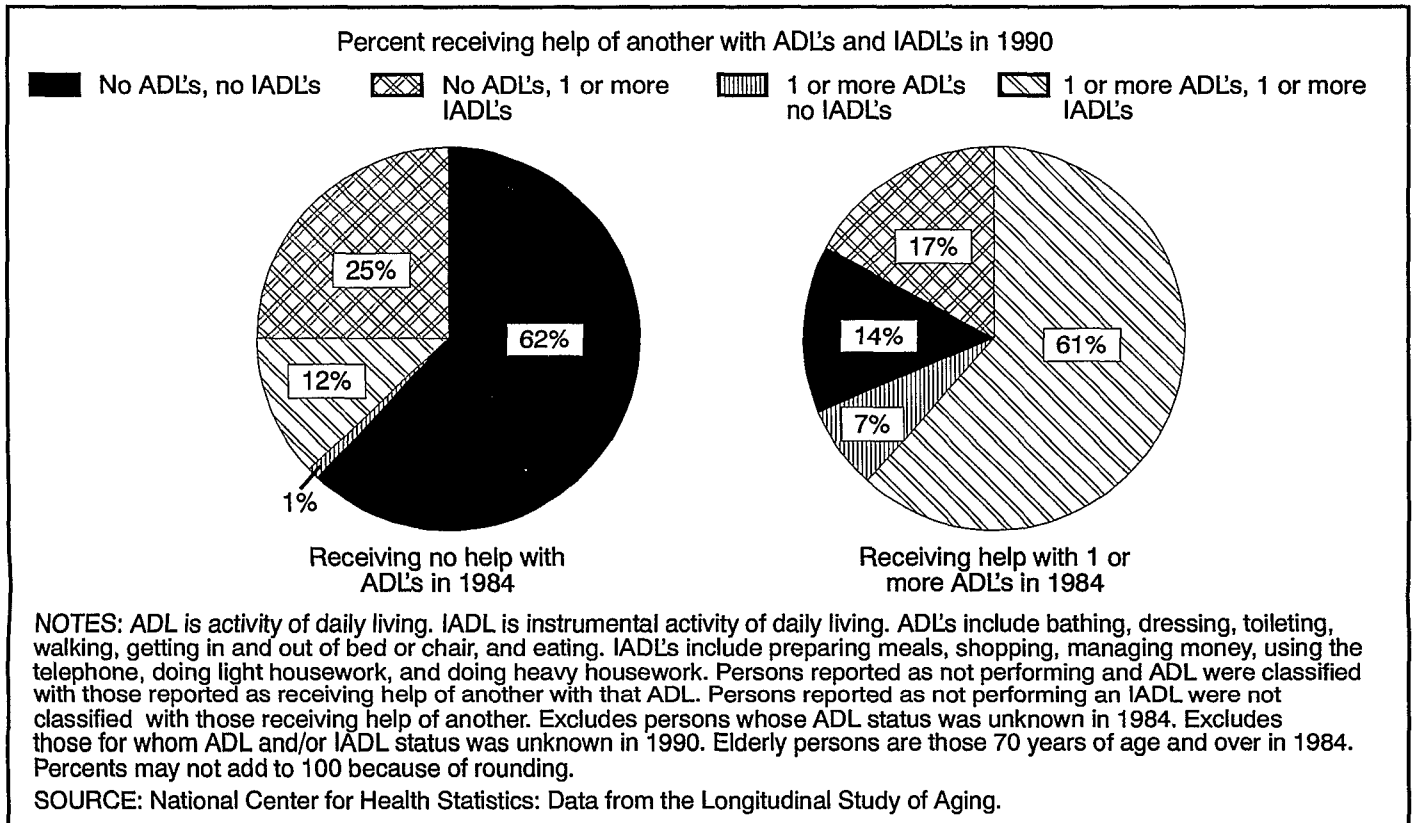


Figure 3. Percent distribution of elderly persons by activity limitation at 1990 recontact, according to receiving help of another person with activities of daily living in 1984: United States

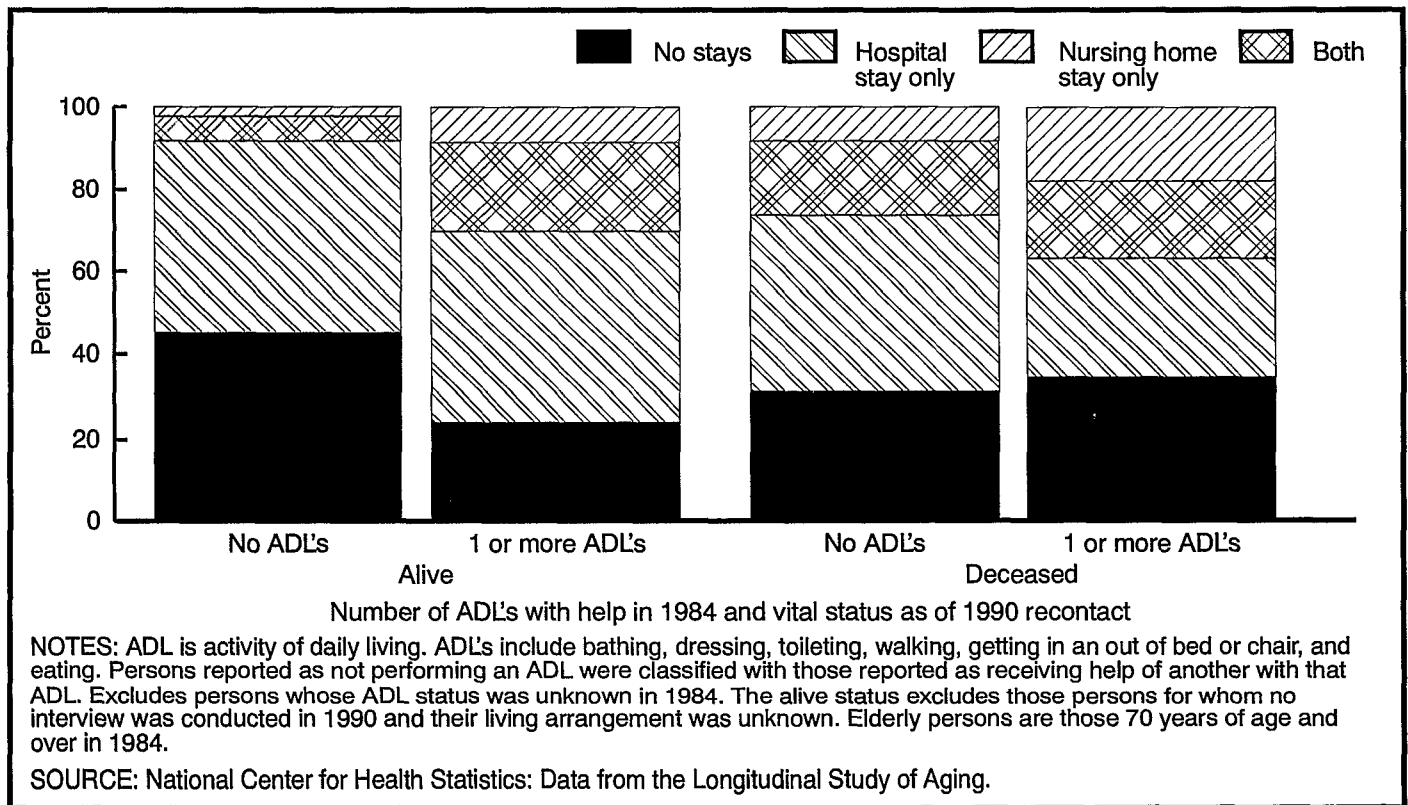


Figure 4. Percent distribution of elderly persons by hospital and nursing home stay, according to receiving help of another person with activities of daily living in 1984 and vital status as of 1990 recontact: United States

Table 1. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with activities of daily living, according to vital status as of 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Age and number and type of ADL's with which help was received | Total in 1984 | Vital status as of 1990 | | |
|--|------------------|-------------------------|----------|---------|
| | | Alive | Deceased | Unknown |
| 70 years and over | | Percent distribution | | |
| All persons | 17,147 | 55.7 | 29.9 | 14.5 |
| Number of ADL's: | | | | |
| None | 15,281 | 58.8 | 26.2 | 15.0 |
| 1 or more | 1,866 | 30.2 | 59.9 | 9.9 |
| 1-2 | 1,172 | 36.3 | 52.8 | 10.9 |
| 3 or more | 695 | 19.9 | 71.9 | 8.2 |
| Activity: | | | | |
| Bathing | 1,307 | 22.7 | 67.9 | 9.4 |
| Dressing | 932 | 26.4 | 67.1 | 6.5 |
| Toileting | 500 | 17.4 | 75.2 | *7.4 |
| Walking | 995 | 28.6 | 60.8 | 10.6 |
| Getting in and out of bed or chair | 611 | 23.3 | 68.6 | 8.1 |
| Eating | 225 | *15.4 | 78.7 | *5.9 |
| 70-79 years | | | | |
| All persons | 12,384 | 62.1 | 23.1 | 14.8 |
| Number of ADL's: | | | | |
| None | 11,454 | 64.0 | 20.9 | 15.1 |
| 1 or more | 931 | 39.2 | 49.6 | 11.2 |
| 1-2 | 607 | 44.1 | 44.4 | 11.5 |
| 3 or more | 324 | 30.0 | 59.2 | *10.8 |
| Activity: | | | | |
| Bathing | 592 | 29.8 | 58.5 | 11.7 |
| Dressing | 490 | 38.3 | 53.7 | *8.0 |
| Toileting | 231 | 25.1 | 65.4 | *9.5 |
| Walking | 475 | 38.2 | 49.9 | 11.9 |
| Getting in and out of bed or chair | 307 | 31.8 | 56.3 | *12.0 |
| Eating | 119 | *15.8 | 76.5 | *7.7 |
| 80 years and over | | | | |
| All persons | 4,763 | 38.9 | 47.5 | 13.6 |
| Number of ADL's: | | | | |
| None | 3,827 | 43.2 | 42.0 | 14.8 |
| 1 or more | 936 | 21.3 | 70.3 | 8.5 |
| 1-2 | 565 | 28.0 | 61.8 | 10.2 |
| 3 or more | 371 | *11.0 | 83.1 | *5.9 |
| Activity: | | | | |
| Bathing | 715 | 16.9 | 75.6 | 7.5 |
| Dressing | 442 | 13.3 | 81.9 | *4.8 |
| Toileting | 269 | *10.8 | 83.6 | *5.6 |
| Walking | 520 | 19.9 | 70.7 | 9.4 |
| Getting in and out of bed or chair | 304 | 14.8 | 81.0 | *4.2 |
| Eating | 106 | *14.9 | 81.2 | *3.9 |

NOTES: ADL is activity of daily living. ADL's include bathing, dressing, toileting, walking, getting in and out of bed or chair, and eating. Persons reported as not performing an ADL were classified with those reported as receiving help of another with that ADL. Excludes persons whose ADL status was unknown in 1984. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 2. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with instrumental activities of daily living, according to vital status as of 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Age and number and type of IADL's with which help was received | Total in 1984 | Vital status as of 1990 | | |
|---|------------------|-------------------------|----------|---------|
| | | Alive | Deceased | Unknown |
| 70 years and over | | Percent distribution | | |
| All persons | 17,065 | 55.7 | 29.9 | 14.4 |
| Number of IADL's: | | | | |
| None | 12,555 | 61.7 | 23.5 | 14.8 |
| 1 or more | 4,510 | 39.1 | 47.7 | 13.2 |
| 1-2 | 2,905 | 47.3 | 38.0 | 14.8 |
| 3 or more | 1,605 | 24.2 | 65.3 | 10.5 |
| Activity: | | | | |
| Meal preparation | 1,310 | 24.2 | 67.0 | 8.8 |
| Shopping | 2,327 | 29.3 | 58.8 | 11.9 |
| Managing money | 1,097 | 25.6 | 67.1 | 7.2 |
| Using the telephone | 677 | 27.8 | 64.9 | 7.3 |
| Light housework | 1,329 | 22.9 | 66.1 | 11.0 |
| Heavy housework | 3,927 | 39.1 | 47.4 | 13.6 |
| 70-79 years | | | | |
| All persons | 12,334 | 62.2 | 23.0 | 14.8 |
| Number of IADL's: | | | | |
| None | 9,760 | 66.2 | 19.1 | 14.7 |
| 1 or more | 2,574 | 47.1 | 37.8 | 15.1 |
| 1-2 | 1,868 | 53.6 | 31.0 | 15.4 |
| 3 or more | 706 | 29.9 | 56.0 | 14.1 |
| Activity: | | | | |
| Meal preparation | 584 | 34.4 | 53.7 | 11.9 |
| Shopping | 1,071 | 35.4 | 49.7 | 14.9 |
| Managing money | 434 | 31.0 | 60.4 | *8.6 |
| Using the telephone | 310 | 32.3 | 58.5 | *9.1 |
| Light housework | 619 | 30.1 | 54.8 | 15.1 |
| Heavy housework | 2,281 | 47.9 | 37.0 | 15.1 |
| 80 years and over | | | | |
| All persons | 4,731 | 38.9 | 47.8 | 13.4 |
| Number of IADL's: | | | | |
| None | 2,795 | 46.2 | 38.7 | 15.1 |
| 1 or more | 1,936 | 28.4 | 60.8 | 10.8 |
| 1-2 | 1,038 | 35.9 | 50.5 | 13.6 |
| 3 or more | 899 | 19.7 | 72.7 | 7.6 |
| Activity: | | | | |
| Meal preparation | 726 | 16.1 | 77.7 | 6.3 |
| Shopping | 1,256 | 24.0 | 66.6 | 9.4 |
| Managing money | 663 | 22.1 | 71.6 | *6.3 |
| Using the telephone | 367 | 24.0 | 70.3 | *5.7 |
| Light housework | 710 | 16.6 | 75.9 | 7.5 |
| Heavy housework | 1,646 | 26.8 | 61.7 | 11.5 |

NOTES: IADL is instrumental activity of daily living. IADL's include preparing meals, shopping, managing money, using the telephone, doing light housework, and doing heavy housework. Persons reported as not performing an IADL were not classified with those receiving help of another. Excludes persons whose IADL status was unknown in 1984. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 3. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with activities of daily living, according to age and number of activity limitations at 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Age and number of ADL limitations for which help was received in 1984 | Total in 1984 | Number and type of activities with which help of another was received in 1990 ¹ | | | | | | | | |
|---|---------------------|--|------------------|------------------|-----------------|------------------|------------------|-----------------|------------------|------------------|
| | | No ADL's | | | 1 or more ADL's | | | 3 or more ADL's | | |
| | | No IADL's | 1 or more IADL's | 3 or more IADL's | No IADL's | 1 or more IADL's | 3 or more IADL's | No IADL's | 1 or more IADL's | 3 or more IADL's |
| 70 years and over | Number in thousands | Percent distribution | | | | | | | | |
| None | 8,152 | 62.4 | 24.8 | 3.8 | 1.2 | 11.6 | 7.9 | *0.1 | 3.9 | 3.6 |
| 1 or more | 420 | 14.2 | 17.1 | *9.2 | *7.3 | 61.4 | 46.4 | *3.6 | 32.9 | 30.9 |
| 1-2 | 326 | 15.8 | 20.1 | *11.2 | *6.0 | 58.2 | 40.8 | *1.3 | 27.5 | 24.8 |
| 3 or more | 94 | *8.9 | *6.6 | *2.2 | *11.7 | 72.8 | 65.9 | *11.7 | 51.9 | 51.9 |
| 70-79 years | | | | | | | | | | |
| None | 6,815 | 67.0 | 22.8 | 2.9 | 1.1 | 9.1 | 6.0 | *0.1 | 3.1 | 2.8 |
| 1 or more | 284 | 18.1 | 17.3 | *8.1 | *6.8 | 57.8 | 39.3 | *3.6 | 29.2 | 26.2 |
| 1-2 | 215 | *20.0 | 20.9 | *10.6 | *6.2 | 52.9 | 31.5 | *2.0 | 22.3 | *18.3 |
| 3 or more | 69 | *12.1 | *6.0 | — | *8.8 | 73.1 | *63.7 | *8.8 | *50.9 | *50.9 |
| 80 years and over | | | | | | | | | | |
| None | 1,337 | 38.5 | 35.2 | 8.0 | *2.1 | 24.3 | 17.6 | *0.3 | 8.2 | 7.7 |
| 1 or more | 136 | *6.2 | *16.6 | *11.7 | *8.2 | 69.1 | 61.3 | *3.6 | 40.7 | 40.7 |
| 1-2 | 111 | *6.2 | *18.4 | *12.5 | *5.6 | 68.4 | 58.9 | — | *37.5 | *37.2 |
| 3 or more | *25 | — | *8.4 | *8.4 | *19.7 | *71.9 | *71.9 | *19.7 | *54.7 | *54.7 |

¹Excludes those who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact.

NOTES: ADL is activity of daily living. IADL is instrumental activity of daily living. ADL's include bathing, dressing, toileting, walking, getting in and out of bed or chair, and eating. IADL's include preparing meals, shopping, managing money, using the telephone, doing light housework, and doing heavy housework. Persons reported as not performing an ADL were classified with those reported as receiving help of another with that ADL. Persons reported as not performing an IADL were not classified with those receiving help of another. Excludes those for whom ADL status was unknown in 1984. Excludes those for whom ADL and/or IADL status was unknown in 1990. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 4. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with instrumental activities of daily living, according to activity limitations at 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Age and number of IADL limitations for which help was received in 1984 | | Number and type of activities with which help of another was received in 1990 ¹ | | | | | | | | |
|--|---------------------|--|------------------|------------------|-----------------|------------------|------------------|-----------------|------------------|------------------|
| | | No ADL's | | | 1 or more ADL's | | | 3 or more ADL's | | |
| | | No IADL's | 1 or more IADL's | 3 or more IADL's | No IADL's | 1 or more IADL's | 3 or more IADL's | No IADL's | 1 or more IADL's | 3 or more IADL's |
| 70 years and over | Number in thousands | Percent distribution | | | | | | | | |
| None | 7,145 | 67.8 | 21.2 | 2.6 | 1.1 | 9.8 | 6.5 | *0.1 | 3.4 | 3.0 |
| 1 or more | 1,394 | 20.3 | 40.8 | 11.4 | 3.7 | 35.3 | 26.5 | *1.4 | 15.4 | 14.6 |
| 1-2 | 1,110 | 23.2 | 44.6 | 10.2 | *3.5 | 28.8 | 19.7 | *0.8 | 10.1 | 9.4 |
| 3 or more | 284 | *8.8 | 26.0 | 16.2 | *4.5 | 60.7 | 52.8 | *3.7 | 35.8 | 35.0 |
| 70-79 years | | | | | | | | | | |
| None | 6,036 | 72.3 | 19.0 | 2.1 | 1.0 | 7.7 | 5.0 | *0.1 | 2.6 | 2.4 |
| 1 or more | 1,036 | 23.7 | 43.0 | 9.3 | *3.0 | 30.3 | 21.0 | *1.2 | 12.7 | 11.6 |
| 1-2 | 868 | 25.7 | 46.8 | 8.4 | *2.7 | 24.9 | 15.6 | *0.5 | 8.5 | 7.5 |
| 3 or more | 168 | *13.4 | *23.8 | *13.9 | *4.8 | 58.0 | 48.8 | *4.8 | 34.2 | 32.8 |
| 80 years and over | | | | | | | | | | |
| None | 1,109 | 43.6 | 33.2 | 5.2 | *1.7 | 21.5 | 14.8 | *0.2 | 7.2 | 6.6 |
| 1 or more | 358 | *10.4 | 34.2 | 17.7 | *5.6 | 49.8 | 42.5 | *2.1 | 23.2 | 23.2 |
| 1-2 | 242 | *14.3 | 36.6 | *16.8 | *6.3 | 42.7 | 34.8 | *2.0 | *16.0 | *16.0 |
| 3 or more | 116 | *2.1 | *29.2 | *19.5 | *4.2 | 64.5 | 58.5 | *2.3 | 38.2 | 38.2 |

¹Excludes those who have died or were institutionalized or whose living arrangement was unknown at 1990 recontact.

NOTES: ADL is activity of daily living. IADL is instrumental activity of daily living. ADL's include bathing, dressing, toileting, walking, getting in and out of bed or chair, and eating. IADL's include preparing meals, shopping, managing money, using the telephone, doing light housework, and doing heavy housework. Persons reported as not performing an ADL were classified with those reported as receiving help of another with that ADL. Persons reported as not performing an IADL were not classified with those receiving help of another. Excludes those for whom IADL status was unknown in 1984. Excludes those for whom ADL and/or IADL status was unknown in 1990. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 5. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with activities of daily living, according to hospital and nursing home stays and vital status as of 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Vital status as of 1990 recontact, age, and number of ADL's for which help was received in 1984 | Total in 1984 | No hospital or nursing home stay | At least one stay from 1984 interview through 1990 recontact | | |
|---|------------------------|--|---|---------------------------|---|
| | | | Hospital stay only | Nursing home stay only | Both hospital and nursing home stay |
| | Number in thousands | | Percent distribution | | |
| Alive or dead by 1990 recontact¹ | | | | | |
| 70 years and over: | | | | | |
| None | 15,281 | 42.3 | 45.4 | 3.8 | 8.5 |
| 1 or more | 1,866 | 32.9 | 34.8 | 13.8 | 18.6 |
| 1-2 | 1,172 | 31.4 | 39.8 | 9.6 | 19.3 |
| 3 or more | 695 | 35.4 | 26.3 | 20.9 | 17.3 |
| 70-79 years: | | | | | |
| None | 11,454 | 44.5 | 47.1 | 2.4 | 6.0 |
| 1 or more | 931 | 32.2 | 41.0 | 13.0 | 13.8 |
| 1-2 | 607 | 33.5 | 44.2 | 9.6 | 12.7 |
| 3 or more | 324 | 29.8 | 35.1 | 19.3 | 15.7 |
| 80 years and over: | | | | | |
| None | 3,827 | 35.8 | 40.2 | 8.0 | 16.0 |
| 1 or more | 936 | 33.5 | 28.6 | 14.6 | 23.3 |
| 1-2 | 565 | 29.1 | 35.0 | 9.5 | 26.4 |
| 3 or more | 371 | 40.3 | 18.7 | 22.3 | 18.8 |
| Alive at 1990 recontact² | | | | | |
| 70 years and over: | | | | | |
| None | 8,983 | 45.2 | 46.4 | 2.4 | 6.0 |
| 1 or more | 564 | 23.9 | 45.9 | 8.8 | 21.4 |
| 1-2 | 426 | 25.5 | 48.9 | *7.5 | 18.1 |
| 3 or more | 138 | *18.8 | 36.6 | *12.8 | *31.7 |
| 70-79 years: | | | | | |
| None | 7,331 | 47.5 | 46.3 | 1.8 | 4.4 |
| 1 or more | 365 | 25.7 | 46.2 | *10.1 | 18.0 |
| 1-2 | 268 | 28.5 | 50.1 | *8.7 | *12.7 |
| 3 or more | 97 | *17.9 | *35.4 | *13.9 | *32.8 |
| 80 years and over: | | | | | |
| None | 1,652 | 34.8 | 46.6 | 5.4 | 13.2 |
| 1 or more | 199 | *20.5 | 45.4 | *6.4 | 27.6 |
| 1-2 | 158 | *20.4 | 46.9 | *5.4 | *27.2 |
| 3 or more | *41 | *21.0 | *39.6 | *10.1 | *29.3 |
| Died by 1990 recontact | | | | | |
| 70 years and over: | | | | | |
| None | 4,001 | 30.8 | 43.1 | 8.3 | 17.8 |
| 1 or more | 1,119 | 34.5 | 28.8 | 17.8 | 18.8 |
| 1-2 | 619 | 31.1 | 33.2 | 12.3 | 23.4 |
| 3 or more | 500 | 38.8 | 23.4 | 24.6 | 13.2 |
| 70-79 years: | | | | | |
| None | 2,395 | 30.1 | 50.1 | 5.8 | 14.1 |
| 1 or more | 461 | 34.0 | 36.2 | 17.2 | 12.6 |
| 1-2 | 239 | 26.1 | 42.1 | *13.7 | *18.1 |
| 3 or more | 222 | 42.6 | 29.8 | 20.9 | *6.7 |

Table 5. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with activities of daily living, according to hospital and nursing home stays and vital status as of 1990 recontact: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and number of ADL's for which help was received in 1984</i> | <i>Total in 1984</i> | <i>No hospital or nursing home stay</i> | <i>At least one stay from 1984 interview through 1990 recontact</i> | | |
|--|--------------------------|---|---|-----------------------------------|--|
| | | | <i>Hospital stay only</i> | <i>Nursing home stay only</i> | <i>Both hospital and nursing home stay</i> |
| 80 years and over: | | | | | |
| None | 1,607 | 31.9 | 32.7 | 12.0 | 23.4 |
| 1 or more | 657 | 34.9 | 23.7 | 18.2 | 23.2 |
| 1-2 | 379 | 34.3 | 27.6 | *11.4 | 26.7 |
| 3 or more | 278 | 35.7 | 18.3 | 27.5 | 18.4 |

¹Includes all persons who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact.

²Excludes those for whom no interview was conducted and whose living arrangement was unknown in 1990.

NOTES: ADL is activity of daily living. ADL's include bathing, dressing, toileting, walking, getting in and out of bed or chair, and eating. Persons reported as not performing an ADL were classified with those reported as receiving help of another with that ADL. Excludes those for whom ADL status was unknown in 1984. Nursing home stays and/or hospital stays were counted if they occurred anytime between the 1984 interview and the 1990 recontact. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 6. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with instrumental activities of daily living, according to hospital and nursing home stays and vital status as of 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Vital status as of 1990 recontact, age, and number of IADL's for which help of another was received in 1984 | Total in 1984 | No hospital or nursing home stay | At least one stay from 1984 interview through 1990 recontact | | |
|--|------------------------|--|---|---------------------------|---|
| | | | Hospital stay only | Nursing home stay only | Both hospital and nursing home stay |
| Alive or dead by 1990 recontact ¹ | Number in thousands | Percent distribution | | | |
| 70 years and over: | | | | | |
| None | 12,555 | 44.6 | 45.3 | 3.1 | 6.9 |
| 1 or more | 4,510 | 31.9 | 41.3 | 9.9 | 17.0 |
| 1-2 | 2,905 | 32.0 | 46.7 | 6.9 | 14.4 |
| 3 or more | 1,605 | 31.7 | 31.4 | 15.3 | 21.6 |
| 70-79 years of age: | | | | | |
| None | 9,760 | 46.2 | 46.4 | 2.1 | 5.3 |
| 1 or more | 2,574 | 33.3 | 47.4 | 7.7 | 11.6 |
| 1-2 | 1,868 | 33.7 | 51.3 | 5.4 | 9.6 |
| 3 or more | 706 | 32.3 | 37.0 | 13.9 | 16.8 |
| 80 years and over: | | | | | |
| None | 2,795 | 39.0 | 41.4 | 6.9 | 12.8 |
| 1 or more | 1,936 | 30.0 | 33.1 | 12.8 | 24.1 |
| 1-2 | 1,038 | 28.9 | 38.4 | 9.6 | 23.0 |
| 3 or more | 899 | 31.3 | 27.0 | 16.4 | 25.4 |
| Alive at 1990 recontact² | | | | | |
| 70 years and over: | | | | | |
| None | 7,749 | 47.5 | 45.5 | 2.0 | 5.0 |
| 1 or more | 1,762 | 27.7 | 50.2 | 6.5 | 15.6 |
| 1-2 | 1,374 | 27.8 | 53.8 | 5.1 | 13.2 |
| 3 or more | 388 | 27.4 | 37.4 | *11.1 | 24.0 |
| 70-79 years of age: | | | | | |
| None | 6,459 | 49.3 | 45.2 | 1.6 | 3.9 |
| 1 or more | 1,212 | 30.8 | 52.3 | 5.5 | 11.4 |
| 1-2 | 1,001 | 30.5 | 56.2 | *4.3 | 9.0 |
| 3 or more | 211 | 32.1 | 33.6 | *11.5 | 22.8 |
| 80 years and over: | | | | | |
| None | 1,291 | 38.5 | 47.1 | 4.1 | 10.3 |
| 1 or more | 550 | 20.9 | 45.7 | 8.5 | 24.9 |
| 1-2 | 373 | 20.5 | 47.4 | *7.4 | 24.6 |
| 3 or more | 177 | 21.9 | 42.0 | *10.6 | 25.5 |
| Died by 1990 recontact | | | | | |
| 70 years and over: | | | | | |
| None | 2,945 | 31.8 | 45.0 | 7.6 | 15.6 |
| 1 or more | 2,151 | 31.3 | 32.9 | 14.2 | 21.5 |
| 1-2 | 1,103 | 29.9 | 39.5 | 10.2 | 20.4 |
| 3 or more | 1,049 | 32.9 | 26.0 | 18.4 | 22.7 |
| 70-79 years of age: | | | | | |
| None | 1,863 | 30.2 | 51.2 | 5.1 | 13.5 |
| 1 or more | 974 | 31.7 | 40.9 | 12.5 | 14.9 |
| 1-2 | 579 | 31.3 | 45.8 | 8.8 | 14.1 |
| 3 or more | 395 | 32.1 | 33.8 | 17.9 | 16.1 |

Table 6. Number and percent distribution of persons 70 years of age and over in 1984 who received help of another with instrumental activities of daily living, according to hospital and nursing home stays and vital status as of 1990 recontact: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and number of IADL's for which help of another was received in 1984</i> | <i>Total in 1984</i> | <i>No hospital or nursing home stay</i> | <i>At least one stay from 1984 interview through 1990 recontact</i> | | |
|--|--------------------------|---|---|-----------------------------------|--|
| | | | <i>Hospital stay only</i> | <i>Nursing home stay only</i> | <i>Both hospital and nursing home stay</i> |
| 80 years and over: | | | | | |
| None | 1,082 | 34.5 | 34.2 | 11.9 | 19.3 |
| 1 or more | 1,177 | 31.1 | 26.3 | 15.6 | 26.9 |
| 1-2 | 524 | 28.3 | 32.6 | 11.8 | 27.3 |
| 3 or more | 653 | 33.3 | 21.3 | 18.7 | 26.7 |

¹Includes all persons who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact.

²Excludes those for whom no interview was conducted and their living arrangement was unknown in 1990.

NOTES: IADL is instrumental activity of daily living. IADL's include preparing meals, shopping, managing money, using the telephone, doing light housework, and doing heavy housework. Persons reported as not performing an IADL were not classified with those reported as receiving help of another with that IADL. Excludes those for whom IADL status was unknown in 1984. Nursing home stays and/or hospital stays were counted if they occurred anytime between the 1984 interview and the 1990 recontact. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 7. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with activities of daily living, according to primary reason for moving from residence and vital status as of 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and number of ADL's for which help was received in 1984</i> | <i>Total in 1984</i> | <i>Primary reason for moving from residence¹</i> | | <i>Did not move</i> |
|--|--------------------------------|---|--------------|-------------------------|
| | | <i>Health²</i> | <i>Other</i> | |
| <i>Alive or dead by 1990 recontact³</i> | <i>Number in thousands</i> | <i>Percent distribution</i> | | |
| 70 years and over: | | | | |
| None | 15,282 | 4.1 | 9.2 | 86.8 |
| 1 or more | 1,863 | 3.5 | 4.7 | 91.8 |
| 1-2 | 1,172 | 4.2 | 5.7 | 90.1 |
| 3 or more | 692 | *2.5 | *3.0 | 94.5 |
| 70-79 years: | | | | |
| None | 11,455 | 3.6 | 9.4 | 87.1 |
| 1 or more | 928 | *3.7 | *4.3 | 92.0 |
| 1-2 | 607 | *3.9 | *5.1 | 91.0 |
| 3 or more | 321 | *3.4 | *2.8 | 93.9 |
| 80 years and over: | | | | |
| None | 3,827 | 5.6 | 8.6 | 85.9 |
| 1 or more | 936 | *3.3 | 5.1 | 91.5 |
| 1-2 | 565 | *4.4 | *6.4 | 89.2 |
| 3 or more | 371 | *1.7 | *3.2 | 95.1 |
| Alive at 1990 recontact⁴ | | | | |
| 70 years and over: | | | | |
| None | 8,983 | 5.3 | 11.9 | 82.8 |
| 1 or more | 564 | *5.3 | 9.0 | 85.7 |
| 1-2 | 426 | *6.5 | *9.1 | 84.4 |
| 3 or more | 138 | *1.5 | *8.7 | 89.8 |
| 70-79 years: | | | | |
| None | 7,331 | 4.5 | 11.9 | 83.6 |
| 1 or more | 365 | *5.3 | *6.7 | 88.0 |
| 1-2 | 268 | *6.4 | *7.5 | 86.1 |
| 3 or more | 97 | *2.1 | *4.7 | 93.3 |
| 80 years and over: | | | | |
| None | 1,652 | 9.0 | 11.5 | 79.4 |
| 1 or more | 199 | *5.3 | *13.2 | 81.5 |
| 1-2 | 158 | *6.7 | *11.9 | 81.4 |
| 3 or more | *41 | — | *18.3 | *81.7 |
| Died by 1990 recontact | | | | |
| 70 years and over: | | | | |
| None | 4,001 | 2.4 | 4.1 | 93.6 |
| 1 or more | 1,119 | *3.2 | *2.0 | 94.8 |
| 1-2 | 619 | *3.4 | *2.2 | 94.5 |
| 3 or more | 500 | *3.0 | *1.7 | 95.2 |
| 70-79 years: | | | | |
| None | 2,395 | 2.0 | 3.4 | 94.6 |
| 1 or more | 461 | *3.4 | *0.9 | 95.7 |
| 1-2 | 269 | *2.5 | — | 97.5 |
| 3 or more | 192 | *4.6 | *2.3 | 93.2 |

Table 7. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with activities of daily living, according to primary reason for moving from residence and vital status as of 1990 recontact: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and number of ADL's for which help was received in 1984</i> | <i>Total in 1984</i> | <i>Primary reason for moving from residence¹</i> | | <i>Did not move</i> |
|--|--------------------------|---|--------------|-------------------------|
| | | <i>Health²</i> | <i>Other</i> | |
| 80 years and over: | | | | |
| None | 1,607 | 2.9 | 5.1 | 92.0 |
| 1 or more | 657 | *3.1 | *2.7 | 94.2 |
| 1-2 | 349 | *4.1 | *3.8 | 92.1 |
| 3 or more | 308 | *2.1 | *1.4 | 96.5 |

¹Persons were classified as moving if they moved at least once after the initial 1984 interview to another community-based residence.

²Primary reason for moving from 1984 residence was the health of self or spouse.

³Data include persons who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact. Data include persons who may not have had an interview in 1990.

⁴Excludes those for whom no interview was conducted and living arrangement was unknown in 1990.

NOTES: ADL is activity of daily living. ADL's include bathing, dressing, toileting, walking, getting in and out of bed or chair, and eating. Persons reported as not performing an ADL were classified with those reported receiving the help of another with that ADL. Excludes those for whom ADL status was unknown in 1984. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 8. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with instrumental activities of daily living, according to primary reason for moving from residence and vital status as of 1990 recontact: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Vital status as of 1990 recontact, age, and number of IADL's for which help was received in 1984 | Total in 1984 | Primary reason for moving from residence ¹ | | Did not move |
|--|------------------------|--|-------|-----------------|
| | | Health ² | Other | |
| Alive or dead by 1990 recontact ³ | Number in thousands | Percent distribution | | |
| 70 years and over: | | | | |
| None | 12,558 | 3.8 | 9.4 | 86.9 |
| 1 or more | 4,510 | 4.6 | 6.9 | 88.5 |
| 1-2 | 2,905 | 5.5 | 8.4 | 86.1 |
| 3 or more | 1,604 | 3.1 | 4.2 | 92.7 |
| 70-79 years: | | | | |
| None | 9,764 | 3.4 | 9.5 | 87.2 |
| 1 or more | 2,573 | 4.4 | 7.5 | 88.1 |
| 1-2 | 1,868 | 4.9 | 8.8 | 86.3 |
| 3 or more | 706 | *3.0 | *4.0 | 93.1 |
| 80 years and over: | | | | |
| None | 2,795 | 5.2 | 9.0 | 85.8 |
| 1 or more | 1,936 | 5.0 | 6.1 | 88.9 |
| 1-2 | 1,038 | 6.5 | 7.6 | 85.9 |
| 3 or more | 899 | *3.1 | *4.5 | 92.4 |
| Alive at 1990 recontact⁴ | | | | |
| 70 years and over: | | | | |
| None | 7,749 | 4.8 | 11.8 | 83.4 |
| 1 or more | 1,762 | 7.4 | 11.3 | 81.3 |
| 1-2 | 1,374 | 8.2 | 11.7 | 80.0 |
| 3 or more | 388 | *4.5 | *9.6 | 85.9 |
| 70-79 years: | | | | |
| None | 6,459 | 4.2 | 11.7 | 84.0 |
| 1 or more | 1,212 | 6.2 | 11.7 | 82.2 |
| 1-2 | 1,001 | 6.9 | 12.1 | 81.1 |
| 3 or more | 211 | *2.9 | *9.8 | 87.3 |
| 80 years and over: | | | | |
| None | 1,291 | 7.7 | 12.2 | 80.0 |
| 1 or more | 550 | 10.1 | 10.4 | 79.5 |
| 1-2 | 373 | 11.9 | *10.8 | 77.3 |
| 3 or more | 177 | *9.4 | *9.5 | 84.2 |
| Died by 1990 recontact | | | | |
| 70 years and over: | | | | |
| None | 2,945 | 2.2 | 3.8 | 94.0 |
| 1 or more | 2,151 | 3.0 | 3.6 | 93.5 |
| 1-2 | 1,103 | *3.1 | 4.8 | 92.0 |
| 3 or more | 1,049 | *2.9 | *2.2 | 94.9 |
| 70-79 years: | | | | |
| None | 1,863 | *1.7 | 3.3 | 95.0 |
| 1 or more | 974 | *3.3 | *2.6 | 94.1 |
| 1-2 | 579 | *3.0 | *4.4 | 92.6 |
| 3 or more | 395 | *3.8 | - | 96.2 |

Table 8. Number and percent distribution of persons 70 years of age and over in 1984 who received the help of another with instrumental activities of daily living, according to primary reason for moving from residence and vital status as of 1990 recontact: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and number of IADL's for which help was received in 1984</i> | <i>Total in 1984</i> | <i>Primary reason for moving from residence¹</i> | | <i>Did not move</i> |
|---|--------------------------|---|--------------|-------------------------|
| | | <i>Health²</i> | <i>Other</i> | |
| 80 years and over: | | | | |
| None | 1,082 | *3.2 | 4.5 | 92.3 |
| 1 or more | 1,177 | *2.7 | 4.4 | 92.9 |
| 1-2 | 524 | *3.2 | *5.4 | 91.4 |
| 3 or more | 653 | *2.3 | *3.6 | 94.2 |

¹Persons were classified as moving if they moved at least once after the initial 1984 interview to another community-based residence.

²Primary reason for moving from residence was the health of self or spouse.

³Data include persons who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact. Includes persons who may not have had an interview in 1990.

⁴Excludes those for whom no interview was conducted and whose living arrangement was unknown in 1990.

NOTES: IADL is instrumental activity of daily living. IADL's include preparing meals, shopping, managing money, using the telephone, doing light housework, and doing heavy housework. Persons reported as not performing an IADL were not classified with those receiving help of another with that IADL. Excludes those for whom IADL status was unknown in 1984. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 9. Number and percent distribution of persons 70 years of age and over in 1984, according to vital status as of 1990 recontact and selected indicators of disability in 1984: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Age and indicators of disability in 1984 | Total in 1984 | Vital status as of 1990 | | |
|--|------------------------|-------------------------|----------|---------|
| | | Alive | Deceased | Unknown |
| | Number in thousands | Percent distribution | | |
| 70 years and over | | | | |
| Difficulty getting outside ¹ | 1,243 | 24.2 | 64.8 | 11.0 |
| Difficulty walking 1/4 mile | 5,879 | 41.0 | 46.1 | 12.9 |
| Difficulty walking up 10 steps without resting | 4,913 | 40.5 | 45.9 | 13.6 |
| Difficulty lifting or carrying 25 pounds | 7,165 | 45.9 | 39.9 | 14.2 |
| Difficulty lifting or carrying 10 pounds | 2,998 | 37.9 | 48.8 | 13.3 |
| Falling more than once in the past 12 months | 1,901 | 43.0 | 44.9 | 12.1 |
| Dizziness that prevents usual activity | 1,713 | 47.5 | 39.9 | 12.6 |
| Difficulty controlling bowels on a daily basis ² | 350 | 37.9 | 54.2 | *7.9 |
| Difficulty controlling bladder on a daily basis ³ | 969 | 40.3 | 50.9 | 8.8 |
| 70-79 years | | | | |
| Difficulty getting outside ¹ | 525 | 30.5 | 56.1 | 13.4 |
| Difficulty walking 1/4 mile | 3,488 | 48.9 | 37.3 | 13.8 |
| Difficulty walking up 10 steps without resting | 2,935 | 47.7 | 37.2 | 15.1 |
| Difficulty lifting or carrying 25 pounds | 4,489 | 53.2 | 31.3 | 15.5 |
| Difficulty lifting or carrying 10 pounds | 1,624 | 47.1 | 37.2 | 15.7 |
| Falling more than once in the past 12 months | 1,104 | 51.6 | 34.4 | 14.0 |
| Dizziness that prevents usual activity | 1,122 | 53.9 | 33.2 | 12.9 |
| Difficulty controlling bowels on a daily basis ² | 207 | 51.6 | 40.8 | *7.6 |
| Difficulty controlling bladder on a daily basis ³ | 548 | 51.9 | 36.0 | 12.1 |
| 80 years and over | | | | |
| Difficulty getting outside ¹ | 718 | 19.6 | 71.2 | 9.2 |
| Difficulty walking 1/4 mile | 2,391 | 29.4 | 58.9 | 11.7 |
| Difficulty walking up 10 steps without resting | 1,978 | 29.7 | 58.8 | 11.5 |
| Difficulty lifting or carrying 25 pounds | 2,677 | 33.7 | 54.2 | 12.1 |
| Difficulty lifting or carrying 10 pounds | 1,375 | 27.0 | 62.5 | 10.5 |
| Falling more than once in the past 12 months | 796 | 31.1 | 59.4 | 9.6 |
| Dizziness that prevents usual activity | 591 | 35.2 | 52.7 | 12.1 |
| Difficulty controlling bowels on a daily basis ² | 143 | *18.0 | 73.7 | *8.3 |
| Difficulty controlling bladder on a daily basis ³ | 421 | 25.2 | 70.2 | *4.5 |

¹Includes those who reported difficulty getting outside and received the help of another to go outside. Those persons reported as not getting outside are classified with those receiving help of another.

²Includes those who have a colostomy or a device to control bowels.

³Includes those who have a urinary catheter or device to help control urination.

NOTES: These data exclude those for whom status or indicator of disability was unknown in 1984. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 10. Number and percent distribution of persons 70 years of age and over in 1984, according to hospital and nursing home stays and vital status as of 1990 recontact, and selected indicators of disability in 1984: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and indicators of disability in 1984</i> | <i>Total in 1984</i> | <i>No hospital or nursing home stay</i> | <i>At least one stay from 1984 interview through 1990 recontact</i> | | |
|---|----------------------------|---|---|-------------------------------|--|
| | | | <i>Hospital stay only</i> | <i>Nursing home stay only</i> | <i>Both hospital and nursing home stay</i> |
| <i>Alive or dead by 1990 recontact¹</i> | <i>Number in thousands</i> | <i>Percent distribution</i> | | | |
| 70 years and over: | | | | | |
| Difficulty getting outside ² | 1,243 | 32.6 | 31.0 | 17.0 | 19.5 |
| Difficulty walking 1/4 mile | 5,879 | 34.3 | 41.8 | 8.9 | 15.0 |
| Difficulty walking up 10 steps without resting ... | 4,913 | 33.5 | 42.8 | 8.8 | 14.9 |
| Difficulty lifting or carrying 25 pounds | 7,162 | 35.7 | 42.6 | 8.0 | 13.7 |
| Difficulty lifting or carrying 10 pounds | 2,998 | 33.9 | 39.4 | 11.4 | 15.3 |
| Falling more than once in the past 12 months .. | 1,901 | 31.3 | 40.6 | 9.7 | 18.3 |
| Dizziness that prevents usual activity | 1,713 | 33.6 | 44.9 | 7.2 | 14.4 |
| Difficulty controlling bowels on a daily basis ³ ... | 350 | 30.9 | 38.8 | 13.5 | 16.8 |
| Difficulty controlling bladder on a daily basis ⁴ .. | 969 | 34.6 | 36.5 | 10.0 | 19.0 |
| 70-79 years: | | | | | |
| Difficulty getting outside ² | 525 | 34.1 | 34.0 | 15.6 | 16.3 |
| Difficulty walking 1/4 mile | 3,488 | 35.3 | 47.4 | 6.5 | 10.8 |
| Difficulty walking up 10 steps without resting ... | 2,935 | 34.5 | 48.7 | 6.6 | 10.2 |
| Difficulty lifting or carrying 25 pounds | 4,486 | 37.0 | 47.4 | 6.1 | 9.6 |
| Difficulty lifting or carrying 10 pounds | 1,624 | 35.2 | 45.8 | 9.0 | 10.1 |
| Falling more than once in the past 12 months .. | 1,104 | 35.1 | 44.0 | 7.6 | 13.3 |
| Dizziness that prevents usual activity | 1,122 | 34.6 | 48.4 | 5.7 | 11.2 |
| Difficulty controlling bowels on a daily basis ³ ... | 207 | 27.6 | 43.7 | *10.0 | *18.7 |
| Difficulty controlling bladder on a daily basis ⁴ .. | 548 | 36.3 | 42.0 | 6.8 | 14.8 |
| 80 years and over: | | | | | |
| Difficulty getting outside ² | 718 | 31.4 | 28.9 | 17.9 | 21.8 |
| Difficulty walking 1/4 mile | 2,391 | 32.7 | 33.7 | 12.5 | 21.2 |
| Difficulty walking up 10 steps without resting ... | 1,978 | 32.0 | 34.1 | 12.0 | 21.9 |
| Difficulty lifting or carrying 25 pounds | 2,677 | 33.6 | 34.5 | 11.2 | 20.7 |
| Difficulty lifting or carrying 10 pounds | 1,375 | 32.4 | 31.9 | 14.3 | 21.4 |
| Falling more than once in the past 12 months .. | 796 | 26.2 | 36.0 | 12.7 | 25.2 |
| Dizziness that prevents usual activity | 591 | 31.6 | 38.1 | 9.9 | 20.4 |
| Difficulty controlling bowels on a daily basis ³ ... | 143 | 35.7 | 31.6 | *18.5 | *14.1 |
| Difficulty controlling bladder on a daily basis ⁴ .. | 421 | 32.3 | 29.2 | 14.1 | 24.4 |
| Alive in 1990⁵ | | | | | |
| 70 years and over: | | | | | |
| Difficulty getting outside ² | 301 | 20.3 | 40.0 | *14.3 | 25.4 |
| Difficulty walking 1/4 mile | 2,410 | 32.8 | 48.6 | 5.4 | 13.1 |
| Difficulty walking up 10 steps without resting ... | 1,987 | 31.9 | 49.7 | 5.0 | 13.3 |
| Difficulty lifting or carrying 25 pounds | 3,288 | 35.6 | 47.7 | 4.8 | 11.8 |
| Difficulty lifting or carrying 10 pounds | 1,136 | 29.2 | 48.4 | 6.7 | 15.7 |
| Falling more than once in the past 12 months .. | 817 | 33.1 | 46.0 | *5.2 | 15.7 |
| Dizziness that prevents usual activity | 813 | 33.7 | 47.5 | *4.1 | 14.7 |
| Difficulty controlling bowels on a daily basis ³ ... | 133 | *19.6 | 54.4 | *6.6 | *19.3 |
| Difficulty controlling bladder on a daily basis ⁴ .. | 391 | 32.6 | 43.1 | *4.2 | 20.1 |

Table 10. Number and percent distribution of persons 70 years of age and over in 1984, according to hospital and nursing home stays and vital status as of 1990 recontact, and selected indicators of disability in 1984: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and indicators of disability in 1984</i> | <i>Total in 1984</i> | <i>No hospital or nursing home stay</i> | <i>At least one stay from 1984 interview through 1990 recontact</i> | | |
|---|--------------------------|---|---|---------------------------------------|--|
| | | | <i>Hospital stay only</i> | <i>Nursing home stay only</i> | <i>Both hospital and nursing home stay</i> |
| 70–79 years: | | | | | |
| Difficulty getting outside ² | 160 | *27.4 | 35.1 | *13.8 | *23.7 |
| Difficulty walking 1/4 mile | 1,706 | 34.7 | 50.2 | 4.8 | 10.2 |
| Difficulty walking up 10 steps without resting . . . | 1,400 | 34.5 | 51.1 | 4.1 | 10.2 |
| Difficulty lifting or carrying 25 pounds | 2,386 | 38.4 | 48.4 | 4.2 | 9.0 |
| Difficulty lifting or carrying 10 pounds | 765 | 32.0 | 49.7 | 6.1 | 12.3 |
| Falling more than once in the past 12 months . . | 570 | 37.2 | 46.0 | *5.2 | 11.5 |
| Dizziness that prevents usual activity | 605 | 36.5 | 47.6 | *4.2 | 11.8 |
| Difficulty controlling bowels on a daily basis ³ . . . | 107 | *16.1 | 53.5 | *8.2 | *22.1 |
| Difficulty controlling bladder on a daily basis ⁴ . . | 284 | 34.5 | 45.6 | *4.2 | 15.7 |
| 80 years and over: | | | | | |
| Difficulty getting outside ² | 162 | *12.2 | 45.7 | *14.9 | *27.2 |
| Difficulty walking 1/4 mile | 523 | 28.4 | 44.7 | 6.7 | 20.1 |
| Difficulty walking up 10 steps without resting . . . | 428 | 25.6 | 46.4 | *7.3 | 20.7 |
| Difficulty lifting or carrying 25 pounds | 677 | 28.4 | 45.8 | 6.4 | 19.3 |
| Difficulty lifting or carrying 10 pounds | 256 | 23.4 | 45.8 | *8.1 | 22.7 |
| Falling more than once in the past 12 months . . | 179 | 23.7 | 46.1 | *5.1 | 25.2 |
| Dizziness that prevents usual activity | 493 | 25.7 | 47.1 | *4.1 | 23.1 |
| Difficulty controlling bowels on a daily basis ³ . . . | *24 | *34.0 | *58.2 | — | *7.8 |
| Difficulty controlling bladder on a daily basis ⁴ . . | 73 | *27.6 | *36.6 | *3.9 | *31.9 |
| Died by 1990 | | | | | |
| 70 years and over: | | | | | |
| Difficulty getting outside ² | 805 | 35.3 | 26.3 | 19.7 | 18.7 |
| Difficulty walking 1/4 mile | 2,709 | 31.7 | 35.1 | 13.3 | 19.8 |
| Difficulty walking up 10 steps without resting . . . | 2,255 | 32.5 | 34.9 | 13.2 | 19.4 |
| Difficulty lifting or carrying 25 pounds | 2,857 | 31.5 | 35.7 | 13.3 | 19.5 |
| Difficulty lifting or carrying 10 pounds | 1,463 | 33.7 | 31.6 | 16.4 | 18.2 |
| Falling more than once in the past 12 months . . | 853 | 27.3 | 33.0 | 15.2 | 24.5 |
| Dizziness that prevents usual activity | 684 | 30.2 | 39.8 | 12.4 | 17.6 |
| Difficulty controlling bowels on a daily basis ³ . . . | 190 | 36.2 | 27.5 | *18.8 | *17.5 |
| Difficulty controlling bladder on a daily basis ⁴ . . | 493 | 33.0 | 29.7 | 16.3 | 21.0 |
| 70–79 years: | | | | | |
| Difficulty getting outside ² | 294 | 35.4 | 31.8 | 18.7 | *14.0 |
| Difficulty walking 1/4 mile | 1,301 | 31.8 | 43.4 | 10.3 | 14.5 |
| Difficulty walking up 10 steps without resting . . . | 1,093 | 32.0 | 43.6 | 11.5 | 12.9 |
| Difficulty lifting or carrying 25 pounds | 1,406 | 29.6 | 44.4 | 11.6 | 14.4 |
| Difficulty lifting or carrying 10 pounds | 604 | 32.5 | 41.7 | 14.9 | 10.8 |
| Falling more than once in the past 12 months . . | 380 | 28.6 | 38.0 | 14.4 | 19.1 |
| Dizziness that prevents usual activity | 372 | 27.0 | 48.9 | *10.5 | 13.6 |
| Difficulty controlling bowels on a daily basis ³ . . . | 85 | *37.1 | *34.3 | *10.8 | *17.8 |
| Difficulty controlling bladder on a daily basis ⁴ . . | 197 | 33.9 | 34.6 | *12.8 | *18.6 |

Table 10. Number and percent distribution of persons 70 years of age and over in 1984, according to hospital and nursing home stays and vital status as of 1990 recontact, and selected indicators of disability in 1984: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and indicators of disability in 1984</i> | <i>Total in 1984</i> | <i>At least one stay from 1984 interview through 1990 recontact</i> | | | |
|---|--------------------------|---|-------------------------------|---------------------------------------|--|
| | | <i>No hospital or nursing home stay</i> | <i>Hospital stay only</i> | <i>Nursing home stay only</i> | <i>Both hospital and nursing home stay</i> |
| 80 years and over: | | | | | |
| Difficulty getting outside ² | 511 | 35.2 | 23.1 | 20.3 | 21.4 |
| Difficulty walking 1/4 mile | 1,408 | 31.7 | 27.5 | 16.1 | 24.8 |
| Difficulty walking up 10 steps without resting . . . | 1,162 | 33.0 | 26.7 | 14.9 | 25.4 |
| Difficulty lifting or carrying 25 pounds | 1,451 | 33.4 | 27.2 | 15.0 | 24.5 |
| Difficulty lifting or carrying 10 pounds | 859 | 34.5 | 24.5 | 17.5 | 23.4 |
| Falling more than once in the past 12 months . . | 473 | 26.3 | 29.0 | 15.8 | 28.9 |
| Dizziness that prevents usual activity | 312 | 34.0 | 28.8 | 14.7 | 22.5 |
| Difficulty controlling bowels on a daily basis ³ . . . | 105 | *35.4 | *22.2 | *25.1 | *17.3 |
| Difficulty controlling bladder on a daily basis ⁴ . . | 296 | 32.4 | 26.4 | 18.6 | 22.5 |

¹Data include persons who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact. Data may also include those who were not interviewed at 1990 recontact.

²Includes those who reported difficulty getting outside and receiving help of another to go outside. Those persons reported as not getting outside are classified with those receiving help of another.

³Includes those who have a colostomy or a device to control bowels.

⁴Includes those who have a urinary catheter or device to help control urination.

⁵Excludes those for whom there was no interview and living arrangement was unknown in 1990.

NOTES: Excludes those for whom status of selected indicators of disability was unknown in 1984. Nursing home stays and/or hospital stays were counted if they occurred any time between the 1984 interview and the 1990 recontact. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Table 11. Number and percent distribution of persons 70 years of age and over in 1984, according to primary reason for moving from residence and vital status as of 1990 recontact, and selected indicators of disability in 1984: United States

[Data are based on the civilian noninstitutionalized population in 1984]

| Vital status as of 1990 recontact, age, and indicators of disability in 1984 | Total in 1984 | Primary reason for moving from residence ¹ | | Did not move |
|--|------------------------|--|-------|-----------------|
| | | Health ² | Other | |
| Alive or dead by 1990 recontact ³ | Number in thousands | Percent distribution | | |
| 70 years and over: | | | | |
| Difficulty getting outside ⁴ | 1,243 | *2.9 | 4.0 | 93.1 |
| Difficulty walking 1/4 mile | 5,879 | 4.6 | 6.7 | 88.6 |
| Difficulty walking up 10 steps without resting | 4,913 | 4.8 | 6.9 | 88.2 |
| Difficulty lifting or carrying 25 pounds | 7,162 | 4.7 | 8.4 | 86.8 |
| Difficulty lifting or carrying 10 pounds | 2,998 | 4.9 | 6.4 | 88.6 |
| Falling more than once in the past 12 months | 1,901 | 6.2 | 6.1 | 87.7 |
| Dizziness that prevents usual activity | 1,713 | 4.8 | 7.8 | 87.4 |
| Difficulty controlling bowels on a daily basis ⁵ | 350 | *6.3 | *4.2 | 89.5 |
| Difficulty controlling bladder on a daily basis ⁶ | 969 | 7.1 | 12.1 | 80.8 |
| 70-79 years: | | | | |
| Difficulty getting outside ⁴ | 525 | *2.5 | *3.3 | 94.2 |
| Difficulty walking 1/4 mile | 3,488 | 4.8 | 7.2 | 87.9 |
| Difficulty walking up 10 steps without resting | 2,935 | 4.9 | 7.7 | 87.3 |
| Difficulty lifting or carrying 25 pounds | 4,486 | 4.4 | 9.2 | 86.5 |
| Difficulty lifting or carrying 10 pounds | 1,624 | 4.0 | 7.6 | 88.3 |
| Falling more than once in the past 12 months | 1,104 | 5.9 | 5.2 | 88.9 |
| Dizziness that prevents usual activity | 1,122 | 4.7 | 8.6 | 86.7 |
| Difficulty controlling bowels on a daily basis ⁵ | 207 | *7.6 | *6.1 | 86.3 |
| Difficulty controlling bladder on a daily basis ⁶ | 548 | 8.3 | 12.4 | 79.3 |
| 80 years and over: | | | | |
| Difficulty getting outside ⁴ | 718 | *3.2 | *4.5 | 92.3 |
| Difficulty walking 1/4 mile | 2,391 | 4.4 | 6.0 | 89.6 |
| Difficulty walking up 10 steps without resting | 1,978 | 4.7 | 5.7 | 89.6 |
| Difficulty lifting or carrying 25 pounds | 2,677 | 5.3 | 7.2 | 87.5 |
| Difficulty lifting or carrying 10 pounds | 1,375 | 5.9 | 5.1 | 89.0 |
| Falling more than once in the past 12 months | 796 | 6.6 | 7.4 | 86.1 |
| Dizziness that prevents usual activity | 591 | *4.9 | *6.2 | 88.9 |
| Difficulty controlling bowels on a daily basis ⁵ | 143 | *4.4 | *1.5 | 94.1 |
| Difficulty controlling bladder on a daily basis ⁶ | 421 | *5.6 | 11.7 | 82.7 |
| Alive at 1990 recontact⁷ | | | | |
| 70 years and over: | | | | |
| Difficulty getting outside ⁴ | 301 | *2.0 | *10.8 | 87.2 |
| Difficulty walking 1/4 mile | 2,405 | 7.3 | 10.7 | 82.0 |
| Difficulty walking up 10 steps without resting | 1,987 | 7.4 | 10.9 | 81.8 |
| Difficulty lifting or carrying 25 pounds | 3,288 | 7.2 | 12.3 | 80.5 |
| Difficulty lifting or carrying 10 pounds | 1,136 | 8.0 | 10.8 | 81.3 |
| Falling more than once in the past 12 months | 817 | 8.5 | 8.6 | 82.9 |
| Dizziness that prevents usual activity | 813 | 7.0 | 10.9 | 82.2 |
| Difficulty controlling bowels on a daily basis ⁵ | 133 | *10.2 | *6.2 | 83.6 |
| Difficulty controlling bladder on a daily basis ⁶ | 391 | 11.5 | 19.5 | 69.0 |

Table 11. Number and percent distribution of persons 70 years of age and over in 1984, according to primary reason for moving from residence and vital status as of 1990 recontact, and selected indicators of disability in 1984: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| Vital status as of 1990 recontact, age, and indicators of disability in 1984 | Total in 1984 | Primary reason for moving from residence ¹ | | Did not move |
|--|---------------|---|-------|--------------|
| | | Health ² | Other | |
| 70–79 years: | | | | |
| Difficulty getting outside ⁴ | 160 | *1.3 | *8.2 | 90.6 |
| Difficulty walking 1/4 mile | 1,701 | 6.4 | 11.1 | 82.5 |
| Difficulty walking up 10 steps without resting | 1,400 | 6.3 | 11.8 | 81.9 |
| Difficulty lifting or carrying 25 pounds | 2,386 | 6.1 | 13.0 | 80.9 |
| Difficulty lifting or carrying 10 pounds | 765 | *5.0 | 11.6 | 83.4 |
| Falling more than once in the past 12 months | 570 | 7.7 | *6.6 | 85.6 |
| Dizziness that prevents usual activity | 605 | *6.6 | 11.1 | 82.3 |
| Difficulty controlling bowels on a daily basis ⁵ | 107 | *10.7 | *7.7 | 81.6 |
| Difficulty controlling bladder on a daily basis ⁶ | 284 | *11.4 | 17.7 | 70.9 |
| 80 years and over: | | | | |
| Difficulty getting outside ⁴ | 141 | *2.9 | *13.8 | 83.3 |
| Difficulty walking 1/4 mile | 703 | 9.5 | 9.7 | 80.8 |
| Difficulty walking up 10 steps without resting | 587 | 9.9 | 8.7 | 81.4 |
| Difficulty lifting or carrying 25 pounds | 903 | 9.9 | 10.5 | 79.6 |
| Difficulty lifting or carrying 10 pounds | 371 | 14.1 | *9.0 | 77.0 |
| Falling more than once in the past 12 months | 247 | *10.2 | *13.2 | 76.7 |
| Dizziness that prevents usual activity | 208 | *8.1 | *10.3 | 81.6 |
| Difficulty controlling bowels on a daily basis ⁵ | *26 | *7.9 | — | *92.1 |
| Difficulty controlling bladder on a daily basis ⁶ | 106 | *12.0 | *24.2 | 63.8 |
| Died by 1990 recontact | | | | |
| 70 years and over: | | | | |
| Difficulty getting outside ⁴ | 805 | *3.4 | *1.4 | 95.2 |
| Difficulty walking 1/4 mile | 2,709 | 2.8 | 2.8 | 94.4 |
| Difficulty walking up 10 steps without resting | 2,255 | 3.3 | 3.1 | 93.5 |
| Difficulty lifting or carrying 25 pounds | 2,857 | 2.8 | 4.1 | 93.1 |
| Difficulty lifting or carrying 10 pounds | 1,463 | 3.3 | 3.4 | 93.4 |
| Falling more than once in the past 12 months | 853 | *5.0 | *3.7 | 91.3 |
| Dizziness that prevents usual activity | 684 | *3.1 | *3.8 | 93.1 |
| Difficulty controlling bowels on a daily basis ⁵ | 190 | *4.6 | *2.2 | 93.2 |
| Difficulty controlling bladder on a daily basis ⁶ | 493 | *3.1 | *6.1 | 90.7 |
| 70–79 years: | | | | |
| Difficulty getting outside ⁴ | 294 | *3.0 | — | 97.0 |
| Difficulty walking 1/4 mile | 1,301 | 3.5 | *1.8 | 94.7 |
| Difficulty walking up 10 steps without resting | 1,093 | *3.8 | *2.2 | 94.0 |
| Difficulty lifting or carrying 25 pounds | 1,406 | *2.6 | 3.6 | 93.8 |
| Difficulty lifting or carrying 10 pounds | 604 | *4.2 | *3.3 | 92.5 |
| Falling more than once in the past 12 months | 380 | *5.5 | *2.8 | 91.7 |
| Dizziness that prevents usual activity | 372 | *2.4 | *4.7 | 93.0 |
| Difficulty controlling bowels on a daily basis ⁵ | 85 | *5.2 | *2.5 | 92.3 |
| Difficulty controlling bladder on a daily basis ⁶ | 197 | *4.5 | *5.5 | 90.0 |

Table 11. Number and percent distribution of persons 70 years of age and over in 1984, according to primary reason for moving from residence and vital status as of 1990 recontact, and selected indicators of disability in 1984: United States—Con.

[Data are based on the civilian noninstitutionalized population in 1984]

| <i>Vital status as of 1990 recontact, age, and indicators of disability in 1984</i> | <i>Total in 1984</i> | <i>Primary reason for moving from residence¹</i> | | <i>Did not move</i> |
|---|----------------------|---|--------------|---------------------|
| | | <i>Health²</i> | <i>Other</i> | |
| 80 years and over: | | | | |
| Difficulty getting outside ⁴ | 511 | *3.7 | *2.1 | 94.2 |
| Difficulty walking 1/4 mile | 1,408 | *2.2 | 3.7 | 94.1 |
| Difficulty walking up 10 steps without resting | 1,162 | *2.9 | 4.0 | 93.1 |
| Difficulty lifting or carrying 25 pounds | 1,451 | *2.9 | 4.7 | 92.4 |
| Difficulty lifting or carrying 10 pounds | 859 | *2.7 | *3.4 | 93.9 |
| Falling more than once in the past 12 months | 473 | *4.6 | *4.5 | 90.9 |
| Dizziness that prevents usual activity | 312 | 4.0 | *2.8 | 93.2 |
| Difficulty controlling bowels on a daily basis ⁵ | 105 | *4.1 | *2.0 | 93.9 |
| Difficulty controlling bladder on a daily basis ⁶ | 296 | *2.2 | *6.6 | 91.2 |

¹Persons were classified as moving if they moved at least once after the initial 1984 interview to another community-based residence.

²Primary reason for moving was the health of self or spouse.

³Data include persons who had died or were institutionalized or whose living arrangement was unknown at 1990 recontact.

⁴Includes those who reported difficulty getting outside and receiving the help of another to go outside. Persons who reported that they did not go outside were classified with those who received help of another.

⁵Includes those who have a colostomy or a device to control bowels.

⁶Includes those who have a urinary catheter or device to help control urination.

⁷Excludes those for whom there was no interview and living arrangement was unknown in 1990.

NOTES: Excludes those for whom status of activity was unknown in 1984. Percentages across columns may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the Longitudinal Study of Aging.

Chapter 2

Trends in health status

Introduction

This chapter focuses on the health status of the elderly civilian noninstitutionalized population residing in the United States and presents national estimates of respondent-assessed health status, restriction of activity, limitation in performing personal and routine care activities, and the prevalence of chronic conditions. Most of tables 1–31 present data starting with 1982.

Sources of data

The data in this chapter are based on the National Health Interview Survey (NHIS). The survey covers the civilian noninstitutionalized population of the United States alive at the time of the interview. The NHIS data are obtained through personal interviews with household members. Interviews are conducted each week throughout the year in a probability sample of households. Three-year trends are presented for estimates of restricted-activity days, bed-disability days, and prevalence of chronic conditions. Annual trends are presented for estimates of respondent-reported health status, restricted-activity days, bed-disability days, and ability to perform personal and routine care activities. To reduce sampling error so that reliable data for detailed age and race categories can be presented, data for a number of years may be combined.

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When possible, all adult family members participated in the interview. However, proxy responses were accepted for family members who were not at home, and proxies were required for all children and for family members who are physically or mentally incapable of responding for themselves. Although considerable effort is made to ensure accurate reporting, the information from both proxy respondents and sample persons themselves may be inaccurate because the person responding was unaware of relevant information, had forgotten it, or did not wish to reveal it to an interviewer, or because the respondent did not understand the intended meaning of a question.

In 1982, the NHIS questionnaire and data preparation procedures of the survey were extensively revised. Comparisons with results prior to 1982 should not be undertaken without carefully examining these changes. The questionnaire for each of the years should be checked because even a small change in the questionnaire design may lead to large changes in the derived estimates. This caution also applies to using NHIS data on health measures where changes in other events, such as legislative changes, have occurred over time. A more complete explanation of these changes is in appendix IV of Current Estimates (1).

In 1985, a new sample for NHIS and a different method of presenting sampling errors were introduced. See Massey, Moore, Parsons, and Tadros (2) for a more complete discussion.

A description of the survey design, the methods used in estimation, and general qualifications of the

data obtained from the survey are shown in appendix I.

Because the estimates are based on a sample of the population, they are subject to sampling error. Therefore, readers should pay particular attention to "Reliability of the survey estimates" in appendix I because it shows formulas for calculating standard errors and instructions for their use. For more information concerning the calculation of standard errors for data based on 3-year estimates, please see appendix I and Ries (3).

Definition of terms

Assessed health status—The categories related to this concept result from asking the respondent, "Would you say _____'s health is excellent, very good, good, fair, or poor?" As such, it is based on a respondent's opinion and not directly on any clinical evidence.

Condition—Condition is a general term that includes any specific illness, injury, or impairment. Condition data in the NHIS are derived from the survey in two ways. First, respondents are asked to identify any conditions that caused certain types of impact associated with health, such as a visit to the doctor or a day spent in bed. Second, respondents are read lists of selected chronic conditions and asked whether they or any family members have any of these conditions.

Data on chronic conditions are collected by asking each of six representative subsamples of households to respond to questions about one of six lists of selected chronic conditions. These six lists are a part of the basic NHIS. Therefore, because of this limitation in data collection, one cannot link, for example, a person with respiratory disease with any cardiovascular conditions.

All conditions except impairments are coded according to the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM) (4), with certain modifications adopted to make the codes more suitable for information derived from a household survey. A special set of codes devised by the NHIS is used to code impairments.

Chronic condition—A condition is considered chronic if (a) a respondent indicates it was first noticed more than 3 months before the reference date of the interview, or (b) it is a type of condition that ordinarily has a duration of more than 3 months. Examples of conditions that are considered chronic regardless of their time of onset are diabetes, heart conditions, emphysema, and arthritis. A complete list of these conditions may be obtained by contacting the Division of Health Interview Statistics, NCHS.

Impairment—An impairment is a chronic or permanent defect, usually static in nature, that results from disease, injury, or congenital malformation. It represents a decrease in or loss of ability to perform various functions, particularly those of the musculoskeletal system and the sense organs. Impairments are grouped according to type of functional impairment and etiology in the special NHIS impairment codes.

Prevalence of conditions—The prevalence of a condition is the number of persons who have the condition at a given point in time. If the prevalence of a chronic condition is measured during a period of time (for example, each week during a year), then the resulting estimate of prevalence is an average of 52 weekly prevalence estimates. This is called an average annual point prevalence estimate.

Disability—Disability is any temporary or long-term reduction of a person's activity as a result of an acute or chronic condition. "Limitation of activity" refers to long-term reduction in a person's capacity to perform the average kind or amount of activities associated with his or her age group. "Restriction of activity" refers to particular kinds of behavior usually associated with a reduction in activity resulting from either long- or short-term conditions. Thus, "limitation of activity" refers to what a person is generally capable of doing, but "restriction of activity" ordinarily refers to a relatively short-term reduction in a person's activities below his or her normal capacity.

Limitation of activity because of chronic conditions—Persons are classified in terms of the major activity usually associated with their particular age group. For those 70 years and age and over, the capacity for independent living (e.g., the ability to bathe, dress, eat, do household chores, shop, and so forth, without needing the help of another person) is the major activity. Persons are not classified as limited in activity unless one or more chronic conditions are reported as the cause of the activity limitation.

Limitation in personal and routine care activities—Persons 70 years of age and over are classified into one of four categories based on their limitation in the capacity for independent living:

- *Needs help of others with personal care activities*—Because of a chronic condition, the person needs the help of another with activities such as eating, bathing, dressing, or getting around the home. It is assumed that a person who is unable to perform personal care activities is also unable to perform routine care activities and is limited in other activities.
- *Needs help of others with routine care activities*—Because of a chronic condition, the person needs the help of another with activities such as doing everyday household chores, doing necessary business, shopping, or getting around for other purposes. This category excludes persons who need help with personal care activities.
- *Limitation in other activities*—Because of a chronic condition, the person is limited in activities other than personal care or routine care.
- *Not limited*—The person is not limited in any activities because of a chronic condition.

Restriction of activity—Four types of restricted activity are measured by the NHIS: bed days, work-loss days for currently employed persons 18 years of age and over, school-loss days for children 5–17 years of age, and cut-down days.

A bed day is one during which a person stayed in bed more than one-half a day because of illness or injury. All hospital days for inpatients are consid-

ered bed days even if the patient was not in bed more than one-half a day.

A work-loss day is one on which a currently employed person 18 years of age and over missed more than one-half a day from a job or business.

A school-loss day is one on which a student 5–17 years of age missed more than one-half a day from the school in which he or she was currently enrolled.

A cut-down day is a day on which a person cuts down for more than half a day on activities normally done.

Work-loss, school-loss, and cut-down days refer to the short-term effects of illness or injury. However, bed days are a measure of both long- and short-term disability because a chronically ill bedridden person and a person with a cold could both report having spent more than one-half a day in bed because of an illness.

The number of restricted-activity days is the number of days a person experienced at least one of the four types of activity restriction just described. It is the most inclusive measure of disability days and the least descriptive; 4 days of restricted activity may mean 4 bed days associated with serious illness or 4 days on which a person merely cut down his or her activities because of a mild illness.

A single restricted-activity day may involve both a bed day and a work-loss day or, for persons 5–17 years of age, a school-loss day. However, a cut-down day cannot overlap with any of these three types of disability days. In calculating the sum of restricted-activity days, each day is counted only once, even if more than one type of activity restriction was involved.

Restricted-activity days per person are the number of days during which people restricted their activity.

Discussion

Respondent-assessed health status is one of the simplest but most informative measures of health. It is strongly associated with objective health status

such as physical exams and physician ratings (5), mortality (6), and life satisfaction. Data on assessed health status were obtained by asking respondents to assess their own health or that of a family member living in the same household. For white persons 65–74 years of age living in the community, there was a decrease from 1982 to 1992 in the proportion who rated their health as poor (figure 1). In 1982, 10.4 percent rated their health as poor, and in 1992, 7.0 percent rated their health as poor. There was no significant decrease in the proportion of black persons 65–74 years of age who rated their health as poor. Among black and white persons 75 years of age and over, there was no change between 1982 and 1992 in the proportion who rated their health as poor.

In both 1982 and 1992, a greater proportion of black persons than white persons 64–74 years of age and 75 years of age and over assessed their health as poor (figure 1). In 1992, 22.7 percent of black persons 75 years of age and over rated their health as poor, compared with only 10.3 percent of white persons in that age group.

Personal care activities include activities such as eating, dressing, and getting around the home. In 1985 and 1992, black persons 70 years of age and over were twice as likely to be limited in personal care activities as white persons (figure 2). Between 1985 and 1992, the proportion of white persons 70 years of age and over limited in personal care activities increased from 6.4 to 7.8 percent. There was no corresponding change for black persons.

Routine care activities include activities such as doing everyday household chores, doing necessary business, shopping, or getting around for other purposes. There was no change between 1985 and 1992 in the proportion of white or black persons 70 years of age and over who were limited in routine care activities (figure 3). There was no difference in limitation in routine care activities between white and black persons.

The prevalence of selected chronic conditions is another measure of health in the older population. Arthritis is a highly prevalent chronic condition. In 1982–84, black persons 65 years of age and over had a greater prevalence of arthritis (572 affected persons per 1,000 population) than their white counterparts (480 affected persons per 1,000 population) (figure 4). By 1990–92, there was no difference in prevalence of arthritis between black and white persons. In 1990–92, the prevalence was 480 per 1,000 population.

In 1982–84, females 65 years of age and over were 37 percent more likely to report arthritis than males (figure 5). The prevalence rate for arthritis in 1982–84 for females was 546 affected persons per 1,000 population and for males, 398. These rates remained unchanged in 1990–92.

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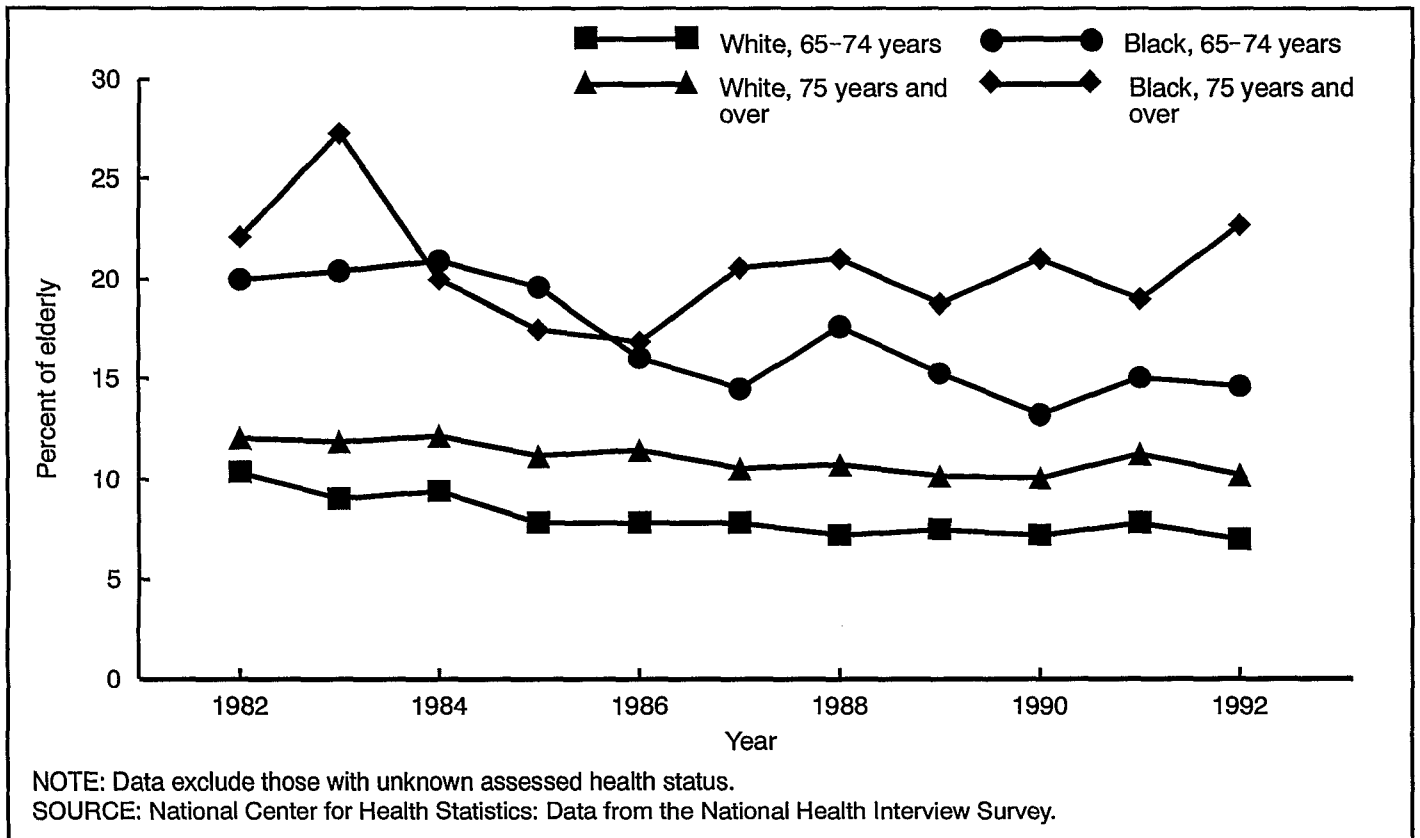


Figure 1. Percent of elderly 65 years of age and over with a respondent-assessed health status of poor, by race and age: United States, 1982-92

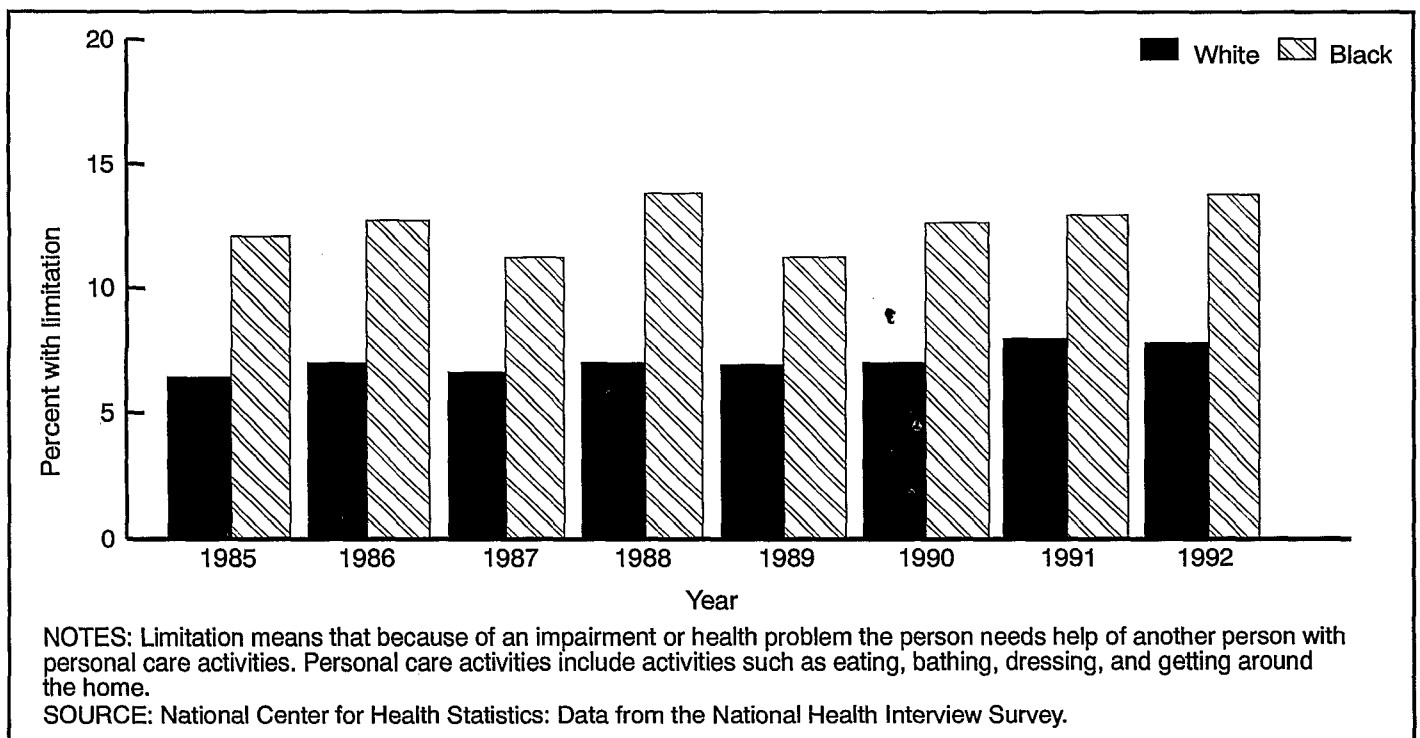


Figure 2. Percent of persons 70 years of age and over with limitation in personal care activities, by race: United States, 1985-92

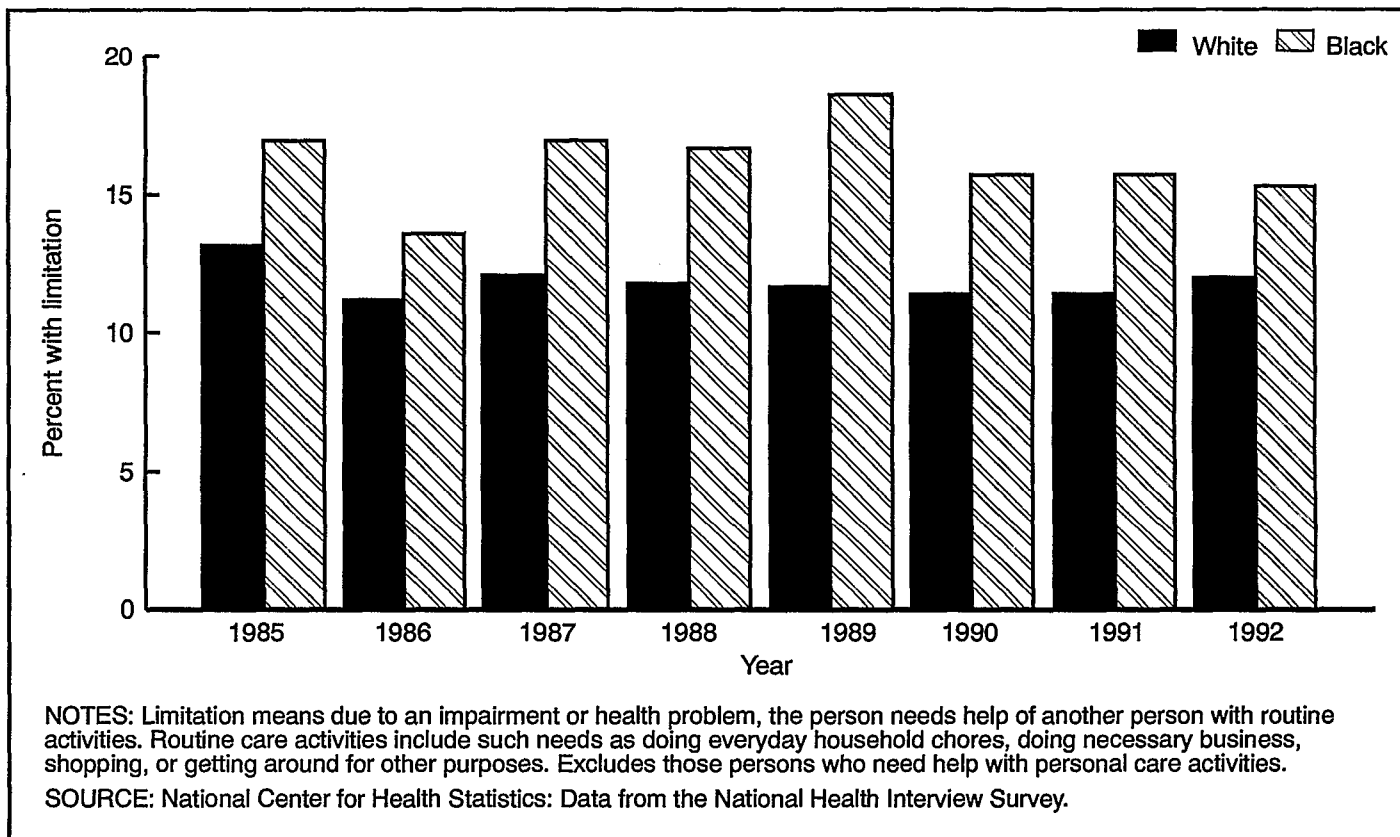


Figure 3. Percent of persons 70 years of age and over with limitation in routine care activities, by race: United States, 1985–92

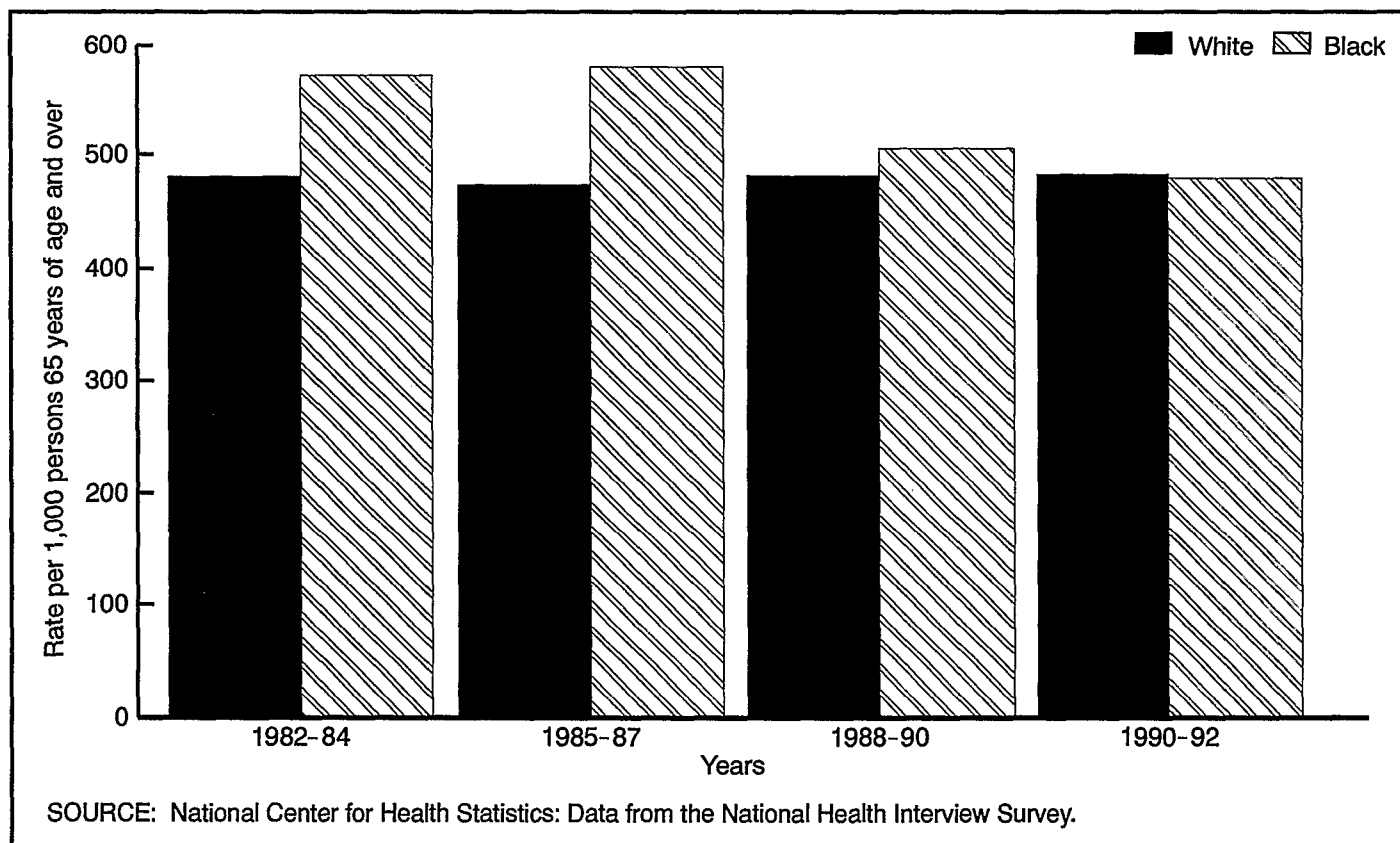


Figure 4. Average annual rate of respondent-reported arthritis for persons 65 years of age and over, by race: United States, selected years

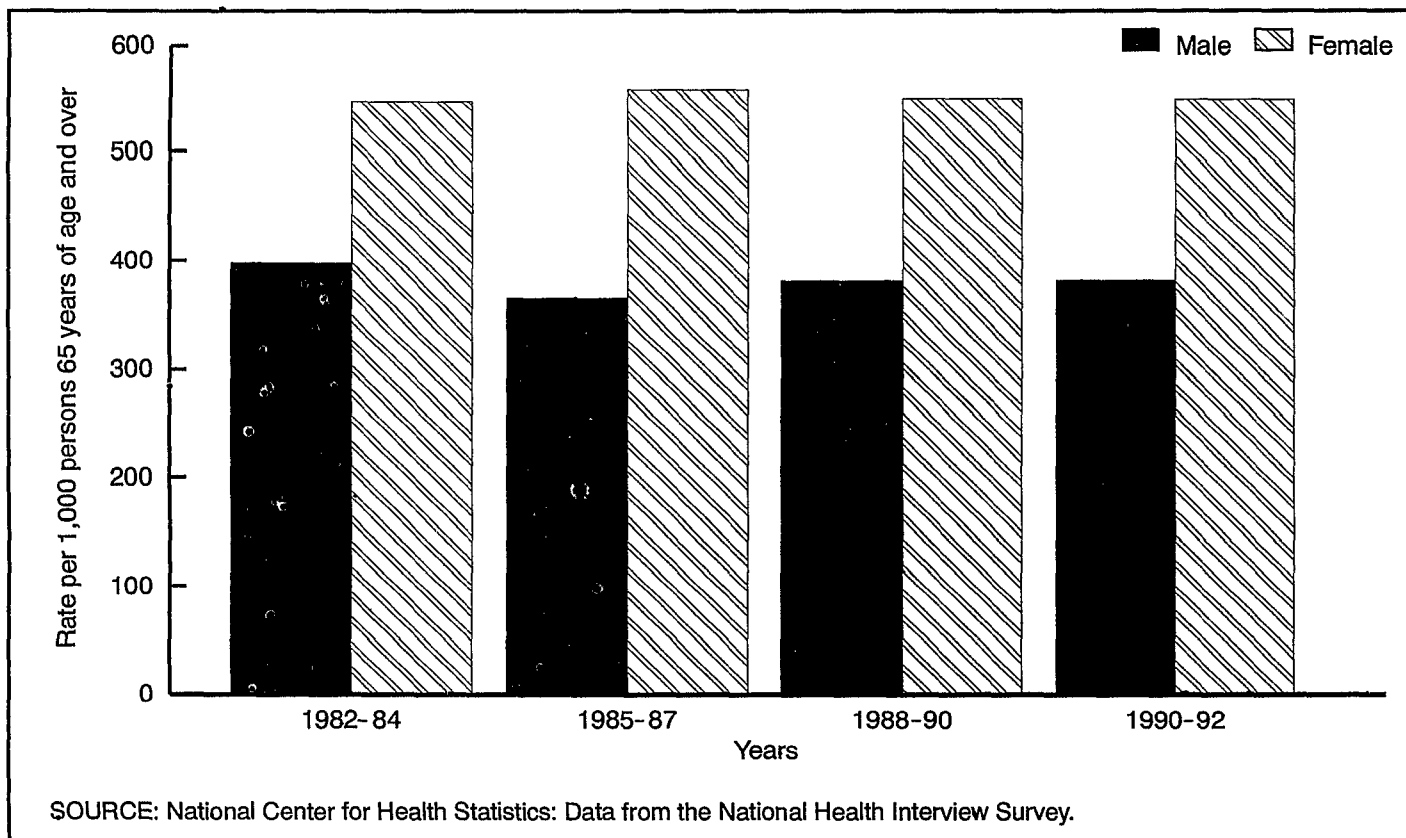


Figure 5. Average annual rate of respondent-reported arthritis for persons 65 years of age and over, by sex: United States, selected years

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons</i> ¹ | <i>All health statuses</i> ² | <i>Respondent-assessed health status</i> | | | | |
|--|---------------------------------|---|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| All races³, both sexes | Number in thousands | | Percent distribution | | | | |
| All ages: | | | | | | | |
| 1982 | 227,114 | 100.0 | 39.3 | 25.5 | 23.8 | 8.1 | 3.4 |
| 1983 | 229,321 | 100.0 | 39.9 | 25.5 | 23.5 | 8.0 | 3.1 |
| 1984 | 231,606 | 100.0 | 39.4 | 26.0 | 23.6 | 7.9 | 3.1 |
| 1985 | 233,721 | 100.0 | 39.5 | 27.2 | 23.1 | 7.4 | 2.9 |
| 1986 | 236,348 | 100.0 | 39.4 | 27.3 | 23.3 | 7.2 | 2.8 |
| 1987 | 238,550 | 100.0 | 39.3 | 27.9 | 22.9 | 7.3 | 2.7 |
| 1988 | 240,890 | 100.0 | 39.1 | 27.8 | 23.2 | 7.2 | 2.7 |
| 1989 | 243,532 | 100.0 | 39.7 | 28.1 | 22.6 | 7.0 | 2.6 |
| 1990 | 246,098 | 100.0 | 39.5 | 28.6 | 22.5 | 6.9 | 2.6 |
| 1991 | 248,713 | 100.0 | 38.5 | 28.5 | 23.0 | 7.2 | 2.8 |
| 1992 | 251,448 | 100.0 | 37.9 | 28.6 | 23.0 | 7.6 | 2.8 |
| 55–64 years: | | | | | | | |
| 1982 | 21,910 | 100.0 | 20.5 | 21.9 | 30.9 | 16.8 | 9.9 |
| 1983 | 22,004 | 100.0 | 22.6 | 22.5 | 30.4 | 16.0 | 8.5 |
| 1984 | 22,053 | 100.0 | 22.0 | 23.0 | 30.8 | 15.7 | 8.5 |
| 1985 | 22,133 | 100.0 | 22.0 | 23.7 | 31.0 | 15.3 | 8.1 |
| 1986 | 22,033 | 100.0 | 20.9 | 24.4 | 32.1 | 14.7 | 7.9 |
| 1987 | 21,841 | 100.0 | 23.4 | 24.6 | 30.9 | 13.8 | 7.4 |
| 1988 | 21,639 | 100.0 | 23.2 | 24.8 | 30.3 | 14.4 | 7.3 |
| 1989 | 21,429 | 100.0 | 24.4 | 25.2 | 30.1 | 13.5 | 6.9 |
| 1990 | 21,266 | 100.0 | 24.5 | 25.8 | 29.5 | 13.6 | 6.7 |
| 1991 | 21,157 | 100.0 | 23.0 | 25.9 | 30.4 | 13.7 | 7.0 |
| 1992 | 21,071 | 100.0 | 23.4 | 25.6 | 29.0 | 14.6 | 7.3 |
| 65–74 years: | | | | | | | |
| 1982 | 15,832 | 100.0 | 16.0 | 18.7 | 31.3 | 22.8 | 11.2 |
| 1983 | 16,045 | 100.0 | 16.9 | 19.1 | 31.7 | 22.3 | 9.9 |
| 1984 | 16,287 | 100.0 | 16.2 | 20.6 | 31.9 | 21.0 | 10.4 |
| 1985 | 16,692 | 100.0 | 17.1 | 20.7 | 32.9 | 20.6 | 8.7 |
| 1986 | 16,987 | 100.0 | 17.2 | 21.5 | 33.8 | 19.0 | 8.5 |
| 1987 | 17,312 | 100.0 | 16.7 | 21.6 | 33.5 | 19.8 | 8.4 |
| 1988 | 17,565 | 100.0 | 17.5 | 22.8 | 33.1 | 18.5 | 8.2 |
| 1989 | 17,828 | 100.0 | 17.8 | 24.0 | 31.9 | 18.1 | 8.2 |
| 1990 | 18,096 | 100.0 | 18.9 | 23.5 | 32.6 | 17.5 | 7.6 |
| 1991 | 18,301 | 100.0 | 17.1 | 24.5 | 32.3 | 17.6 | 8.4 |
| 1992 | 18,470 | 100.0 | 16.9 | 23.8 | 33.7 | 18.1 | 7.6 |
| 75–84 years: | | | | | | | |
| 1982 | 7,744 | 100.0 | 13.6 | 19.7 | 30.3 | 24.0 | 12.3 |
| 1983 | 7,958 | 100.0 | 15.6 | 19.7 | 30.0 | 21.8 | 12.9 |
| 1984 | 8,252 | 100.0 | 15.6 | 20.0 | 31.4 | 20.5 | 12.5 |
| 1985 | 8,371 | 100.0 | 13.6 | 19.2 | 32.1 | 23.6 | 11.5 |
| 1986 | 8,552 | 100.0 | 14.7 | 19.5 | 32.2 | 21.9 | 11.8 |
| 1987 | 8,673 | 100.0 | 13.7 | 19.9 | 32.1 | 23.6 | 10.7 |
| 1988 | 8,949 | 100.0 | 14.4 | 19.7 | 32.9 | 21.8 | 11.2 |
| 1989 | 9,195 | 100.0 | 14.3 | 21.7 | 32.2 | 21.3 | 10.5 |
| 1990 | 9,363 | 100.0 | 14.6 | 22.0 | 32.6 | 20.5 | 10.4 |
| 1991 | 9,562 | 100.0 | 13.5 | 21.0 | 32.9 | 21.9 | 10.8 |
| 1992 | 9,698 | 100.0 | 14.1 | 21.2 | 32.1 | 21.7 | 10.9 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons¹</i> | <i>All health statuses²</i> | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|--------------------------------|--|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| 65 years and over: | | | | | | | |
| 1982 | 25,391 | 100.0 | 15.1 | 19.3 | 30.7 | 23.0 | 11.9 |
| 1983 | 25,892 | 100.0 | 16.6 | 19.2 | 30.8 | 22.1 | 11.1 |
| 1984 | 26,433 | 100.0 | 15.9 | 20.4 | 31.5 | 20.9 | 11.3 |
| 1985 | 27,044 | 100.0 | 15.9 | 20.2 | 32.5 | 21.5 | 9.9 |
| 1986 | 27,538 | 100.0 | 16.4 | 20.8 | 32.9 | 20.1 | 9.8 |
| 1987 | 28,153 | 100.0 | 15.4 | 20.9 | 32.9 | 21.2 | 9.5 |
| 1988 | 28,683 | 100.0 | 16.3 | 21.5 | 32.8 | 19.9 | 9.5 |
| 1989 | 29,219 | 100.0 | 16.4 | 23.1 | 31.9 | 19.3 | 9.2 |
| 1990 | 29,780 | 100.0 | 17.1 | 22.9 | 32.3 | 18.7 | 8.9 |
| 1991 | 30,292 | 100.0 | 15.7 | 22.8 | 32.4 | 19.2 | 9.8 |
| 1992 | 30,792 | 100.0 | 15.6 | 22.6 | 33.1 | 19.6 | 9.1 |
| 75 years and over: | | | | | | | |
| 1982 | 9,559 | 100.0 | 13.5 | 20.3 | 29.9 | 23.5 | 12.9 |
| 1983 | 9,847 | 100.0 | 16.2 | 19.4 | 29.4 | 21.8 | 13.3 |
| 1984 | 10,145 | 100.0 | 15.4 | 20.0 | 30.9 | 20.8 | 12.8 |
| 1985 | 10,352 | 100.0 | 13.9 | 19.5 | 31.9 | 23.0 | 11.7 |
| 1986 | 10,551 | 100.0 | 15.1 | 19.7 | 31.5 | 21.8 | 11.9 |
| 1987 | 10,841 | 100.0 | 13.4 | 19.9 | 31.9 | 23.5 | 11.4 |
| 1988 | 11,118 | 100.0 | 14.5 | 19.5 | 32.2 | 22.2 | 11.6 |
| 1989 | 11,391 | 100.0 | 14.3 | 21.7 | 32.0 | 21.2 | 10.8 |
| 1990 | 11,685 | 100.0 | 14.5 | 21.9 | 31.9 | 20.7 | 11.0 |
| 1991 | 11,991 | 100.0 | 13.7 | 20.2 | 32.6 | 21.7 | 11.9 |
| 1992 | 12,322 | 100.0 | 13.7 | 20.7 | 32.3 | 21.9 | 11.3 |
| 85 years and over: | | | | | | | |
| 1982 | 1,815 | 100.0 | 13.0 | 23.0 | 27.9 | 20.9 | 15.1 |
| 1983 | 1,890 | 100.0 | 18.8 | 17.9 | 27.0 | 22.0 | 14.2 |
| 1984 | 1,893 | 100.0 | 14.5 | 20.1 | 28.8 | 22.4 | 14.2 |
| 1985 | 1,981 | 100.0 | 15.3 | 20.5 | 31.2 | 20.6 | 12.4 |
| 1986 | 1,999 | 100.0 | 17.3 | 20.5 | 28.8 | 21.2 | 12.3 |
| 1987 | 2,167 | 100.0 | 12.4 | 19.6 | 31.1 | 22.8 | 14.2 |
| 1988 | 2,169 | 100.0 | 15.0 | 18.6 | 29.3 | 24.0 | 13.1 |
| 1989 | 2,195 | 100.0 | 14.3 | 21.7 | 31.0 | 20.7 | 12.3 |
| 1990 | 2,321 | 100.0 | 14.0 | 21.8 | 29.3 | 21.4 | 13.4 |
| 1991 | 2,429 | 100.0 | 14.3 | 17.0 | 31.4 | 21.1 | 16.2 |
| 1992 | 2,624 | 100.0 | 12.4 | 19.0 | 33.0 | 23.0 | 12.6 |
| All races, male | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 109,535 | 100.0 | 42.6 | 25.1 | 21.9 | 7.1 | 3.4 |
| 1983 | 110,696 | 100.0 | 43.2 | 25.1 | 21.7 | 6.9 | 3.2 |
| 1984 | 111,834 | 100.0 | 42.6 | 25.7 | 21.7 | 6.9 | 3.1 |
| 1985 | 112,866 | 100.0 | 42.8 | 26.4 | 21.3 | 6.6 | 2.9 |
| 1986 | 114,330 | 100.0 | 42.8 | 26.7 | 21.4 | 6.4 | 2.7 |
| 1987 | 115,451 | 100.0 | 42.4 | 27.5 | 21.1 | 6.3 | 2.7 |
| 1988 | 116,657 | 100.0 | 42.0 | 27.6 | 21.5 | 6.3 | 2.6 |
| 1989 | 118,009 | 100.0 | 42.8 | 27.7 | 20.8 | 6.0 | 2.7 |
| 1990 | 119,364 | 100.0 | 42.2 | 28.4 | 20.9 | 6.0 | 2.5 |
| 1991 | 120,724 | 100.0 | 41.4 | 28.2 | 21.3 | 6.3 | 2.8 |
| 1992 | 122,187 | 100.0 | 40.9 | 28.2 | 21.3 | 6.8 | 2.8 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|---------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| 55–64 years: | | | | | | | |
| 1982 | 10,215 | 100.0 | 22.4 | 22.1 | 29.0 | 15.3 | 11.2 |
| 1983 | 10,261 | 100.0 | 24.3 | 22.7 | 29.2 | 14.3 | 9.5 |
| 1984 | 10,285 | 100.0 | 24.3 | 23.8 | 28.5 | 13.7 | 9.7 |
| 1985 | 10,385 | 100.0 | 23.6 | 23.8 | 29.2 | 14.3 | 9.0 |
| 1986 | 10,345 | 100.0 | 22.6 | 24.0 | 31.0 | 14.1 | 8.2 |
| 1987 | 10,265 | 100.0 | 25.5 | 25.4 | 28.2 | 12.6 | 8.3 |
| 1988 | 10,185 | 100.0 | 24.9 | 25.0 | 28.3 | 13.4 | 8.2 |
| 1989 | 10,103 | 100.0 | 26.7 | 24.0 | 28.9 | 13.0 | 7.4 |
| 1990 | 10,048 | 100.0 | 26.9 | 25.6 | 27.1 | 13.1 | 7.4 |
| 1991 | 10,015 | 100.0 | 24.7 | 26.3 | 28.3 | 13.3 | 7.3 |
| 1992 | 9,990 | 100.0 | 26.4 | 25.1 | 26.9 | 13.7 | 7.9 |
| 65–74 years: | | | | | | | |
| 1982 | 6,867 | 100.0 | 16.8 | 18.4 | 30.0 | 21.6 | 13.2 |
| 1983 | 6,967 | 100.0 | 18.0 | 18.3 | 30.4 | 22.2 | 11.0 |
| 1984 | 7,075 | 100.0 | 16.7 | 20.2 | 30.3 | 21.2 | 11.6 |
| 1985 | 7,311 | 100.0 | 17.9 | 19.9 | 31.5 | 21.1 | 9.6 |
| 1986 | 7,490 | 100.0 | 18.2 | 22.2 | 32.5 | 18.0 | 9.1 |
| 1987 | 7,664 | 100.0 | 17.3 | 21.4 | 32.5 | 19.4 | 9.5 |
| 1988 | 7,799 | 100.0 | 19.4 | 22.3 | 31.4 | 18.5 | 8.5 |
| 1989 | 7,935 | 100.0 | 18.4 | 24.1 | 30.3 | 17.3 | 9.9 |
| 1990 | 8,077 | 100.0 | 20.0 | 23.2 | 31.7 | 17.0 | 8.1 |
| 1991 | 8,183 | 100.0 | 18.6 | 24.3 | 30.4 | 17.1 | 9.6 |
| 1992 | 8,275 | 100.0 | 17.6 | 23.7 | 31.9 | 18.4 | 8.4 |
| 75–84 years: | | | | | | | |
| 1982 | 2,919 | 100.0 | 14.0 | 19.0 | 29.4 | 24.9 | 12.7 |
| 1983 | 2,991 | 100.0 | 16.0 | 20.1 | 28.6 | 21.2 | 14.2 |
| 1984 | 3,143 | 100.0 | 15.1 | 18.5 | 33.3 | 20.4 | 12.7 |
| 1985 | 3,138 | 100.0 | 14.0 | 19.5 | 30.9 | 22.0 | 13.7 |
| 1986 | 3,251 | 100.0 | 13.7 | 19.7 | 32.5 | 23.2 | 10.9 |
| 1987 | 3,262 | 100.0 | 13.7 | 17.8 | 32.8 | 24.1 | 11.7 |
| 1988 | 3,429 | 100.0 | 15.1 | 18.5 | 33.9 | 20.7 | 11.7 |
| 1989 | 3,494 | 100.0 | 13.7 | 21.3 | 32.1 | 20.6 | 12.3 |
| 1990 | 3,619 | 100.0 | 15.3 | 20.5 | 32.8 | 20.1 | 11.3 |
| 1991 | 3,732 | 100.0 | 12.3 | 19.8 | 34.7 | 20.8 | 12.4 |
| 1992 | 3,838 | 100.0 | 15.0 | 20.2 | 31.8 | 21.0 | 12.0 |
| 65 years and over: | | | | | | | |
| 1982 | 10,371 | 100.0 | 15.8 | 19.0 | 29.8 | 22.2 | 13.2 |
| 1983 | 10,573 | 100.0 | 17.4 | 18.8 | 29.8 | 21.9 | 12.1 |
| 1984 | 10,788 | 100.0 | 16.2 | 19.8 | 31.0 | 21.0 | 12.0 |
| 1985 | 11,105 | 100.0 | 16.6 | 19.7 | 31.4 | 21.3 | 11.1 |
| 1986 | 11,357 | 100.0 | 17.0 | 21.4 | 32.4 | 19.5 | 9.7 |
| 1987 | 11,649 | 100.0 | 16.0 | 20.2 | 32.4 | 20.9 | 10.4 |
| 1988 | 11,895 | 100.0 | 17.9 | 21.0 | 32.0 | 19.4 | 9.6 |
| 1989 | 12,143 | 100.0 | 16.9 | 23.2 | 30.8 | 18.4 | 10.8 |
| 1990 | 12,414 | 100.0 | 18.4 | 22.3 | 32.0 | 18.1 | 9.3 |
| 1991 | 12,652 | 100.0 | 16.4 | 22.5 | 31.9 | 18.2 | 10.9 |
| 1992 | 12,892 | 100.0 | 16.4 | 22.4 | 32.0 | 19.4 | 9.8 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons</i> ¹ | <i>All health statuses</i> ² | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|---------------------------------|---|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| 75 years and over: | | | | | | | |
| 1982 | 3,504 | 100.0 | 13.6 | 20.3 | 29.4 | 23.6 | 13.1 |
| 1983 | 3,606 | 100.0 | 16.0 | 19.7 | 28.8 | 21.2 | 14.4 |
| 1984 | 3,713 | 100.0 | 15.1 | 19.2 | 32.2 | 20.7 | 12.7 |
| 1985 | 3,794 | 100.0 | 13.9 | 19.1 | 31.3 | 21.8 | 14.0 |
| 1986 | 3,866 | 100.0 | 14.7 | 19.9 | 32.1 | 22.5 | 10.9 |
| 1987 | 3,985 | 100.0 | 13.7 | 18.0 | 32.3 | 23.9 | 12.1 |
| 1988 | 4,096 | 100.0 | 15.1 | 18.7 | 33.2 | 21.2 | 11.8 |
| 1989 | 4,208 | 100.0 | 14.0 | 21.4 | 31.6 | 20.6 | 12.4 |
| 1990 | 4,336 | 100.0 | 15.2 | 20.5 | 32.5 | 20.1 | 11.6 |
| 1991 | 4,469 | 100.0 | 12.5 | 19.3 | 34.5 | 20.3 | 13.4 |
| 1992 | 4,617 | 100.0 | 14.3 | 20.1 | 32.1 | 21.1 | 12.4 |
| 85 years and over: | | | | | | | |
| 1982 | 585 | 100.0 | 11.6 | 26.5 | 29.2 | 17.3 | 15.5 |
| 1983 | 616 | 100.0 | 16.3 | 17.8 | 29.7 | 21.0 | 15.2 |
| 1984 | 570 | 100.0 | 15.5 | 22.8 | 26.5 | 22.4 | 12.8 |
| 1985 | 656 | 100.0 | 13.2 | 17.5 | 33.3 | 20.7 | 15.2 |
| 1986 | 615 | 100.0 | 19.9 | 20.8 | 29.9 | 18.6 | *10.9 |
| 1987 | 724 | 100.0 | 13.8 | 19.1 | 30.2 | 22.9 | 14.0 |
| 1988 | 668 | 100.0 | 15.2 | 19.5 | 29.2 | 23.8 | 12.4 |
| 1989 | 714 | 100.0 | 15.6 | 21.6 | 29.3 | 20.4 | 13.1 |
| 1990 | 717 | 100.0 | 15.0 | 20.6 | 31.1 | 20.0 | 13.3 |
| 1991 | 737 | 100.0 | 13.1 | 16.6 | 33.7 | 17.9 | 18.6 |
| 1992 | 779 | 100.0 | 11.0 | 19.5 | 33.7 | 21.8 | 14.0 |
| All races, female | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 117,579 | 100.0 | 31.6 | 25.9 | 25.6 | 9.1 | 3.3 |
| 1983 | 118,625 | 100.0 | 36.9 | 25.9 | 25.1 | 9.0 | 3.1 |
| 1984 | 119,772 | 100.0 | 36.4 | 26.2 | 25.5 | 8.9 | 3.1 |
| 1985 | 120,855 | 100.0 | 36.3 | 27.9 | 24.7 | 8.2 | 2.9 |
| 1986 | 122,018 | 100.0 | 36.2 | 27.9 | 25.0 | 8.0 | 3.0 |
| 1987 | 123,099 | 100.0 | 36.3 | 28.2 | 24.5 | 8.2 | 2.8 |
| 1988 | 124,232 | 100.0 | 36.3 | 28.0 | 24.7 | 8.1 | 2.8 |
| 1989 | 125,523 | 100.0 | 36.7 | 28.5 | 24.3 | 8.0 | 2.6 |
| 1990 | 126,734 | 100.0 | 36.8 | 28.8 | 24.0 | 7.7 | 2.7 |
| 1991 | 127,988 | 100.0 | 35.8 | 28.7 | 24.6 | 8.0 | 2.8 |
| 1992 | 129,261 | 100.0 | 35.1 | 29.0 | 24.7 | 8.4 | 2.9 |
| 55–64 years: | | | | | | | |
| 1982 | 11,696 | 100.0 | 18.6 | 21.8 | 32.5 | 18.0 | 8.7 |
| 1983 | 11,743 | 100.0 | 21.1 | 22.4 | 31.4 | 17.4 | 7.7 |
| 1984 | 11,768 | 100.0 | 20.0 | 22.2 | 32.8 | 17.5 | 7.4 |
| 1985 | 11,748 | 100.0 | 20.5 | 23.6 | 32.5 | 16.2 | 7.2 |
| 1986 | 11,688 | 100.0 | 19.4 | 24.6 | 33.1 | 15.2 | 7.7 |
| 1987 | 11,576 | 100.0 | 21.4 | 23.8 | 33.3 | 14.8 | 6.6 |
| 1988 | 11,454 | 100.0 | 21.6 | 24.6 | 32.1 | 15.2 | 6.5 |
| 1989 | 11,326 | 100.0 | 22.3 | 26.3 | 31.2 | 13.9 | 6.3 |
| 1990 | 11,218 | 100.0 | 22.3 | 26.0 | 31.7 | 14.1 | 6.0 |
| 1991 | 11,142 | 100.0 | 21.5 | 25.4 | 32.3 | 14.1 | 6.7 |
| 1992 | 11,081 | 100.0 | 20.7 | 26.1 | 31.0 | 15.5 | 6.8 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|---------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| 65–74 years: | | | | | | | |
| 1982 | 8,966 | 100.0 | 15.4 | 18.9 | 32.2 | 23.7 | 9.7 |
| 1983 | 9,078 | 100.0 | 16.0 | 19.7 | 32.7 | 22.4 | 9.1 |
| 1984 | 9,212 | 100.0 | 15.8 | 20.9 | 33.2 | 20.8 | 9.4 |
| 1985 | 9,381 | 100.0 | 16.5 | 21.2 | 34.0 | 20.2 | 8.1 |
| 1986 | 9,496 | 100.0 | 16.4 | 21.0 | 34.7 | 19.8 | 8.0 |
| 1987 | 9,648 | 100.0 | 16.3 | 21.8 | 34.2 | 20.2 | 7.5 |
| 1988 | 9,766 | 100.0 | 16.0 | 23.2 | 34.5 | 18.5 | 7.9 |
| 1989 | 9,893 | 100.0 | 17.3 | 23.9 | 33.2 | 18.8 | 6.8 |
| 1990 | 10,018 | 100.0 | 17.9 | 23.6 | 33.4 | 17.9 | 7.2 |
| 1991 | 10,118 | 100.0 | 15.9 | 24.7 | 33.9 | 18.1 | 7.5 |
| 1992 | 10,195 | 100.0 | 16.4 | 23.9 | 35.1 | 17.8 | 6.9 |
| 75–84 years: | | | | | | | |
| 1982 | 4,825 | 100.0 | 13.4 | 20.0 | 30.9 | 23.6 | 12.1 |
| 1983 | 4,967 | 100.0 | 15.4 | 19.5 | 30.9 | 22.1 | 12.1 |
| 1984 | 5,109 | 100.0 | 15.9 | 20.9 | 30.3 | 20.5 | 12.4 |
| 1985 | 5,233 | 100.0 | 13.3 | 19.1 | 32.8 | 24.6 | 10.2 |
| 1986 | 5,301 | 100.0 | 15.2 | 19.3 | 32.0 | 21.1 | 12.3 |
| 1987 | 5,412 | 100.0 | 13.7 | 21.2 | 31.6 | 23.4 | 10.1 |
| 1988 | 5,520 | 100.0 | 13.9 | 20.4 | 32.2 | 22.5 | 10.9 |
| 1989 | 5,701 | 100.0 | 14.6 | 21.9 | 32.3 | 21.8 | 9.4 |
| 1990 | 5,744 | 100.0 | 14.1 | 22.9 | 32.4 | 20.8 | 9.8 |
| 1991 | 5,829 | 100.0 | 14.2 | 21.7 | 31.8 | 22.5 | 9.8 |
| 1992 | 5,860 | 100.0 | 13.5 | 21.9 | 32.4 | 22.1 | 10.1 |
| 65 years and over: | | | | | | | |
| 1982 | 15,020 | 100.0 | 14.6 | 19.5 | 31.4 | 23.6 | 10.9 |
| 1983 | 15,319 | 100.0 | 16.2 | 19.5 | 31.5 | 22.3 | 10.5 |
| 1984 | 15,645 | 100.0 | 15.7 | 20.7 | 31.9 | 20.8 | 10.8 |
| 1985 | 15,939 | 100.0 | 15.4 | 20.6 | 33.3 | 21.7 | 9.0 |
| 1986 | 16,181 | 100.0 | 16.0 | 20.4 | 33.3 | 20.5 | 9.9 |
| 1987 | 16,504 | 100.0 | 15.0 | 21.4 | 33.2 | 21.4 | 8.9 |
| 1988 | 16,788 | 100.0 | 15.2 | 21.8 | 33.3 | 20.3 | 9.4 |
| 1989 | 17,076 | 100.0 | 16.1 | 23.0 | 32.8 | 20.0 | 8.1 |
| 1990 | 17,367 | 100.0 | 16.3 | 23.3 | 32.6 | 19.2 | 8.7 |
| 1991 | 17,640 | 100.0 | 15.3 | 23.0 | 32.9 | 20.0 | 9.0 |
| 1992 | 17,899 | 100.0 | 15.1 | 22.7 | 34.0 | 19.8 | 8.5 |
| 75 years and over: | | | | | | | |
| 1982 | 6,054 | 100.0 | 13.5 | 20.3 | 30.2 | 23.4 | 12.7 |
| 1983 | 6,241 | 100.0 | 16.4 | 19.2 | 29.8 | 22.2 | 12.4 |
| 1984 | 6,433 | 100.0 | 15.5 | 20.5 | 30.2 | 20.9 | 12.9 |
| 1985 | 6,558 | 100.0 | 13.9 | 19.6 | 32.3 | 21.7 | 9.0 |
| 1986 | 6,685 | 100.0 | 15.4 | 19.5 | 31.2 | 21.4 | 12.5 |
| 1987 | 6,855 | 100.0 | 13.2 | 20.9 | 31.6 | 23.2 | 11.0 |
| 1988 | 7,021 | 100.0 | 14.1 | 20.0 | 31.6 | 22.8 | 11.5 |
| 1989 | 7,183 | 100.0 | 14.4 | 21.9 | 32.2 | 21.6 | 9.9 |
| 1990 | 7,348 | 100.0 | 14.0 | 22.8 | 31.6 | 21.0 | 10.6 |
| 1991 | 7,522 | 100.0 | 14.4 | 20.7 | 31.5 | 22.5 | 11.0 |
| 1992 | 7,705 | 100.0 | 13.4 | 21.1 | 32.5 | 22.4 | 10.6 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|---------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| 85 years and over: | | | | | | | |
| 1982 | 1,230 | 100.0 | 13.7 | 21.4 | 27.3 | 22.7 | 15.0 |
| 1983 | 1,274 | 100.0 | 20.0 | 18.0 | 25.8 | 22.5 | 13.7 |
| 1984 | 1,323 | 100.0 | 14.0 | 19.0 | 29.8 | 22.4 | 14.8 |
| 1985 | 1,326 | 100.0 | 16.4 | 21.9 | 30.2 | 20.5 | 11.0 |
| 1986 | 1,384 | 100.0 | 16.1 | 20.3 | 28.3 | 22.3 | 13.0 |
| 1987 | 1,444 | 100.0 | 11.6 | 19.8 | 31.5 | 22.7 | 14.3 |
| 1988 | 1,501 | 100.0 | 14.9 | 18.2 | 29.3 | 24.1 | 13.5 |
| 1989 | 1,482 | 100.0 | 13.6 | 21.8 | 31.8 | 20.8 | 12.0 |
| 1990 | 1,604 | 100.0 | 13.6 | 22.3 | 28.5 | 22.1 | 13.5 |
| 1991 | 1,692 | 100.0 | 14.8 | 17.2 | 30.4 | 22.5 | 15.1 |
| 1992 | 1,845 | 100.0 | 13.0 | 18.8 | 32.8 | 23.5 | 12.0 |
| White, both sexes | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 194,009 | 100.0 | 41.0 | 25.9 | 22.5 | 7.5 | 3.1 |
| 1983 | 196,447 | 100.0 | 41.3 | 25.9 | 22.5 | 7.4 | 2.8 |
| 1984 | 197,843 | 100.0 | 40.6 | 26.4 | 22.8 | 7.5 | 2.8 |
| 1985 | 199,332 | 100.0 | 40.7 | 27.7 | 22.0 | 6.9 | 2.7 |
| 1986 | 200,247 | 100.0 | 40.5 | 28.0 | 22.1 | 6.7 | 2.7 |
| 1987 | 201,858 | 100.0 | 40.6 | 28.3 | 21.8 | 6.8 | 2.6 |
| 1988 | 203,256 | 100.0 | 40.2 | 28.4 | 22.1 | 6.7 | 2.6 |
| 1989 | 205,312 | 100.0 | 41.0 | 28.5 | 21.5 | 6.5 | 2.5 |
| 1990 | 207,125 | 100.0 | 40.6 | 29.0 | 21.6 | 6.4 | 2.4 |
| 1991 | 208,202 | 100.0 | 39.6 | 28.9 | 22.0 | 6.8 | 2.7 |
| 1992 | 209,465 | 100.0 | 39.2 | 29.0 | 22.0 | 7.2 | 2.6 |
| 55–64 years: | | | | | | | |
| 1982 | 19,594 | 100.0 | 21.5 | 22.4 | 31.2 | 15.8 | 9.1 |
| 1983 | 19,696 | 100.0 | 23.9 | 23.3 | 30.7 | 14.7 | 7.5 |
| 1984 | 19,758 | 100.0 | 23.2 | 23.5 | 31.1 | 14.5 | 7.7 |
| 1985 | 19,715 | 100.0 | 22.9 | 24.4 | 31.0 | 14.3 | 7.3 |
| 1986 | 19,487 | 100.0 | 21.7 | 25.2 | 32.4 | 13.5 | 7.3 |
| 1987 | 19,235 | 100.0 | 24.6 | 25.3 | 30.8 | 12.6 | 6.7 |
| 1988 | 18,970 | 100.0 | 24.2 | 25.8 | 30.0 | 13.1 | 6.8 |
| 1989 | 18,785 | 100.0 | 25.6 | 25.9 | 29.9 | 12.2 | 6.3 |
| 1990 | 18,538 | 100.0 | 25.7 | 26.4 | 29.4 | 12.4 | 6.1 |
| 1991 | 18,367 | 100.0 | 24.2 | 26.5 | 30.1 | 12.8 | 6.5 |
| 1992 | 18,162 | 100.0 | 24.9 | 26.2 | 29.0 | 13.4 | 6.5 |
| 65–74 years: | | | | | | | |
| 1982 | 14,283 | 100.0 | 16.7 | 18.9 | 32.4 | 21.7 | 10.4 |
| 1983 | 14,485 | 100.0 | 17.8 | 19.3 | 32.5 | 21.4 | 9.0 |
| 1984 | 14,691 | 100.0 | 16.9 | 20.8 | 32.7 | 20.3 | 9.4 |
| 1985 | 15,025 | 100.0 | 18.0 | 20.8 | 33.5 | 19.8 | 7.8 |
| 1986 | 15,254 | 100.0 | 17.5 | 22.2 | 34.3 | 18.2 | 7.8 |
| 1987 | 15,557 | 100.0 | 17.3 | 22.1 | 33.8 | 19.0 | 7.8 |
| 1988 | 15,743 | 100.0 | 18.1 | 23.3 | 33.8 | 17.5 | 7.2 |
| 1989 | 15,984 | 100.0 | 18.4 | 24.6 | 32.4 | 17.1 | 7.5 |
| 1990 | 16,213 | 100.0 | 19.2 | 23.7 | 33.2 | 16.7 | 7.2 |
| 1991 | 16,323 | 100.0 | 17.6 | 24.9 | 33.0 | 16.8 | 7.8 |
| 1992 | 16,386 | 100.0 | 17.7 | 24.4 | 33.7 | 17.1 | 7.0 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons</i> ¹ | <i>All health statuses</i> ² | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|---------------------------------|---|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| 75–84 years: | | | | | | | |
| 1982 | 7,024 | 100.0 | 14.2 | 19.8 | 31.2 | 23.3 | 11.4 |
| 1983 | 7,228 | 100.0 | 16.1 | 19.9 | 30.8 | 21.5 | 11.7 |
| 1984 | 7,470 | 100.0 | 16.0 | 20.4 | 32.0 | 19.9 | 11.8 |
| 1985 | 7,602 | 100.0 | 14.0 | 19.7 | 32.3 | 23.1 | 11.0 |
| 1986 | 7,703 | 100.0 | 15.1 | 19.7 | 32.7 | 21.2 | 11.3 |
| 1987 | 7,853 | 100.0 | 14.3 | 20.5 | 32.7 | 22.8 | 9.8 |
| 1988 | 8,100 | 100.0 | 15.2 | 20.2 | 33.2 | 21.0 | 10.4 |
| 1989 | 8,354 | 100.0 | 14.7 | 22.0 | 32.8 | 20.8 | 9.8 |
| 1990 | 8,477 | 100.0 | 14.8 | 22.5 | 32.9 | 20.5 | 9.4 |
| 1991 | 8,649 | 100.0 | 14.1 | 21.2 | 33.5 | 21.0 | 10.2 |
| 1992 | 8,819 | 100.0 | 14.7 | 21.9 | 32.1 | 21.4 | 10.0 |
| 65 years and over: | | | | | | | |
| 1982 | 22,977 | 100.0 | 15.7 | 19.5 | 31.7 | 22.1 | 11.0 |
| 1983 | 23,423 | 100.0 | 17.5 | 19.4 | 30.1 | 21.5 | 10.1 |
| 1984 | 23,917 | 100.0 | 16.4 | 20.6 | 32.2 | 20.3 | 10.4 |
| 1985 | 24,449 | 100.0 | 16.6 | 20.5 | 33.0 | 20.9 | 9.1 |
| 1986 | 24,753 | 100.0 | 16.7 | 21.3 | 33.5 | 19.3 | 9.2 |
| 1987 | 25,408 | 100.0 | 16.0 | 21.4 | 33.3 | 20.4 | 8.9 |
| 1988 | 25,817 | 100.0 | 17.0 | 22.0 | 32.6 | 21.4 | 10.8 |
| 1989 | 26,312 | 100.0 | 17.0 | 23.6 | 32.4 | 18.5 | 8.5 |
| 1990 | 26,791 | 100.0 | 17.4 | 23.2 | 32.8 | 20.6 | 10.1 |
| 1991 | 27,197 | 100.0 | 16.3 | 23.0 | 33.0 | 18.5 | 9.2 |
| 1992 | 27,539 | 100.0 | 16.3 | 23.2 | 33.1 | 18.9 | 8.3 |
| 75 years and over: | | | | | | | |
| 1982 | 8,694 | 100.0 | 14.1 | 20.5 | 30.7 | 22.7 | 12.1 |
| 1983 | 8,938 | 100.0 | 16.9 | 19.5 | 30.1 | 21.5 | 11.9 |
| 1984 | 9,226 | 100.0 | 15.8 | 20.4 | 31.4 | 20.3 | 12.2 |
| 1985 | 9,424 | 100.0 | 14.4 | 19.9 | 32.0 | 22.6 | 11.2 |
| 1986 | 9,499 | 100.0 | 15.5 | 19.9 | 32.1 | 20.9 | 11.5 |
| 1987 | 9,851 | 100.0 | 13.9 | 20.3 | 32.5 | 22.6 | 10.6 |
| 1988 | 10,074 | 100.0 | 15.2 | 20.0 | 32.6 | 21.4 | 10.8 |
| 1989 | 10,328 | 100.0 | 14.7 | 22.1 | 32.4 | 20.7 | 10.2 |
| 1990 | 10,578 | 100.0 | 14.7 | 22.5 | 32.2 | 20.6 | 10.1 |
| 1991 | 10,874 | 100.0 | 14.3 | 20.3 | 33.0 | 21.1 | 11.3 |
| 1992 | 11,153 | 100.0 | 14.3 | 21.5 | 32.3 | 21.6 | 10.3 |
| 85 years and over: | | | | | | | |
| 1982 | 1,670 | 100.0 | 13.6 | 23.3 | 28.4 | 19.9 | 14.8 |
| 1983 | 1,710 | 100.0 | 20.3 | 17.9 | 27.1 | 21.6 | 13.1 |
| 1984 | 1,756 | 100.0 | 15.1 | 20.2 | 29.0 | 22.2 | 13.7 |
| 1985 | 1,822 | 100.0 | 16.0 | 20.7 | 30.9 | 20.5 | 11.9 |
| 1986 | 1,796 | 100.0 | 17.3 | 20.7 | 29.6 | 20.0 | 12.4 |
| 1987 | 1,998 | 100.0 | 12.6 | 19.7 | 31.7 | 22.1 | 13.9 |
| 1988 | 1,974 | 100.0 | 15.5 | 19.0 | 29.8 | 23.2 | 12.4 |
| 1989 | 1,974 | 100.0 | 14.6 | 22.5 | 30.9 | 20.2 | 11.7 |
| 1990 | 2,101 | 100.0 | 14.4 | 22.3 | 29.2 | 21.2 | 12.9 |
| 1991 | 2,224 | 100.0 | 15.0 | 16.9 | 31.2 | 21.1 | 15.8 |
| 1992 | 2,335 | 100.0 | 12.9 | 19.9 | 33.1 | 22.6 | 11.5 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|--------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| Black, both sexes | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 26,913 | 100.0 | 27.7 | 22.3 | 32.0 | 12.9 | 5.1 |
| 1983 | 27,294 | 100.0 | 29.8 | 22.3 | 30.3 | 12.2 | 5.4 |
| 1984 | 27,761 | 100.0 | 31.3 | 22.9 | 29.6 | 11.4 | 4.8 |
| 1985 | 28,149 | 100.0 | 30.3 | 24.5 | 29.9 | 11.0 | 4.4 |
| 1986 | 28,549 | 100.0 | 30.7 | 23.0 | 30.7 | 11.3 | 4.2 |
| 1987 | 28,947 | 100.0 | 30.5 | 24.9 | 29.4 | 11.0 | 4.2 |
| 1988 | 29,382 | 100.0 | 31.2 | 23.8 | 30.2 | 10.9 | 4.0 |
| 1989 | 29,891 | 100.0 | 31.3 | 25.3 | 28.8 | 10.7 | 3.8 |
| 1990 | 30,371 | 100.0 | 32.1 | 25.7 | 28.4 | 10.1 | 3.8 |
| 1991 | 30,896 | 100.0 | 31.3 | 25.8 | 29.1 | 10.0 | 3.8 |
| 1992 | 31,461 | 100.0 | 30.4 | 26.2 | 28.5 | 10.4 | 4.5 |
| 55–64 years: | | | | | | | |
| 1982 | 1,934 | 100.0 | 12.0 | 17.9 | 25.6 | 26.5 | 18.0 |
| 1983 | 1,964 | 100.0 | 9.9 | 15.3 | 27.3 | 28.7 | 18.8 |
| 1984 | 1,976 | 100.0 | 12.1 | 17.4 | 27.4 | 26.4 | 16.7 |
| 1985 | 2,060 | 100.0 | 13.4 | 16.0 | 31.2 | 24.1 | 15.3 |
| 1986 | 2,079 | 100.0 | 12.1 | 17.2 | 28.5 | 26.9 | 15.2 |
| 1987 | 2,097 | 100.0 | 13.9 | 18.4 | 28.8 | 25.4 | 13.6 |
| 1988 | 2,110 | 100.0 | 12.8 | 16.3 | 33.9 | 24.9 | 12.1 |
| 1989 | 2,125 | 100.0 | 13.7 | 19.4 | 30.8 | 24.6 | 11.6 |
| 1990 | 2,138 | 100.0 | 14.5 | 20.5 | 30.2 | 22.9 | 12.0 |
| 1991 | 2,155 | 100.0 | 13.5 | 20.6 | 32.7 | 20.8 | 12.3 |
| 1992 | 2,173 | 100.0 | 11.8 | 20.8 | 28.9 | 25.4 | 13.1 |
| 65–74 years: | | | | | | | |
| 1982 | 1,349 | 100.0 | 8.0 | 16.6 | 19.9 | 35.5 | 20.0 |
| 1983 | 1,346 | 100.0 | 7.7 | 16.0 | 23.4 | 32.5 | 20.4 |
| 1984 | 1,363 | 100.0 | 8.2 | 18.1 | 22.7 | 30.2 | 20.9 |
| 1985 | 1,430 | 100.0 | 7.9 | 17.1 | 26.9 | 28.6 | 19.6 |
| 1986 | 1,457 | 100.0 | 12.1 | 15.9 | 29.4 | 26.5 | 16.1 |
| 1987 | 1,487 | 100.0 | 9.7 | 17.5 | 29.9 | 28.4 | 14.5 |
| 1988 | 1,515 | 100.0 | 9.8 | 17.2 | 26.2 | 29.1 | 17.7 |
| 1989 | 1,545 | 100.0 | 11.3 | 19.0 | 24.9 | 29.4 | 15.3 |
| 1990 | 1,576 | 100.0 | 14.4 | 19.9 | 27.3 | 25.2 | 13.2 |
| 1991 | 1,609 | 100.0 | 12.4 | 20.8 | 25.5 | 26.1 | 15.1 |
| 1992 | 1,644 | 100.0 | 10.1 | 16.4 | 31.4 | 27.5 | 14.6 |
| 75–84 years: | | | | | | | |
| 1982 | 640 | 100.0 | *6.5 | 17.5 | 21.1 | 32.3 | 22.6 |
| 1983 | 624 | 100.0 | 7.7 | 18.7 | 19.7 | 26.2 | 27.7 |
| 1984 | 691 | 100.0 | 10.8 | 16.2 | 25.1 | 28.2 | 19.6 |
| 1985 | 686 | 100.0 | *9.3 | 15.7 | 28.3 | 29.3 | 17.3 |
| 1986 | 677 | 100.0 | *7.9 | 18.1 | 25.6 | 30.9 | 17.5 |
| 1987 | 718 | 100.0 | 7.5 | 14.9 | 25.5 | 31.6 | 20.5 |
| 1988 | 720 | 100.0 | 7.4 | 14.9 | 27.7 | 29.6 | 20.5 |
| 1989 | 726 | 100.0 | 10.1 | 19.3 | 25.3 | 26.3 | 19.0 |
| 1990 | 749 | 100.0 | 11.2 | 16.9 | 29.0 | 21.5 | 21.5 |
| 1991 | 785 | 100.0 | 6.4 | 18.3 | 26.9 | 30.2 | 18.2 |
| 1992 | 737 | 100.0 | 8.0 | 13.9 | 30.8 | 25.1 | 22.1 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons</i> ¹ | <i>All health statuses</i> ² | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|---------------------------------|---|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| 65 years and over: | | | | | | | |
| 1982 | 2,115 | 100.0 | 7.4 | 17.1 | 20.5 | 34.3 | 20.7 |
| 1983 | 2,135 | 100.0 | 7.3 | 17.0 | 22.4 | 30.4 | 23.0 |
| 1984 | 2,182 | 100.0 | 8.9 | 17.5 | 23.7 | 29.3 | 20.5 |
| 1985 | 2,260 | 100.0 | 8.3 | 16.8 | 27.8 | 28.3 | 18.8 |
| 1986 | 2,298 | 100.0 | 11.0 | 16.6 | 28.0 | 28.1 | 16.4 |
| 1987 | 2,352 | 100.0 | 8.9 | 16.6 | 28.2 | 29.7 | 16.7 |
| 1988 | 2,401 | 100.0 | 9.0 | 16.4 | 26.3 | 29.3 | 18.9 |
| 1989 | 2,453 | 100.0 | 10.8 | 18.8 | 25.5 | 28.3 | 16.6 |
| 1990 | 2,505 | 100.0 | 13.0 | 18.6 | 28.3 | 24.0 | 16.1 |
| 1991 | 2,563 | 100.0 | 10.2 | 19.6 | 26.4 | 27.3 | 16.6 |
| 1992 | 2,622 | 100.0 | 9.3 | 15.1 | 31.2 | 26.8 | 17.6 |
| 75 years and over: | | | | | | | |
| 1982 | 767 | 100.0 | 6.3 | 18.0 | 21.5 | 32.1 | 22.1 |
| 1983 | 789 | 100.0 | 6.7 | 18.8 | 20.5 | 26.6 | 27.3 |
| 1984 | 820 | 100.0 | 10.2 | 16.5 | 25.5 | 27.8 | 20.0 |
| 1985 | 829 | 100.0 | 9.1 | 16.2 | 29.4 | 27.9 | 17.5 |
| 1986 | 841 | 100.0 | *9.1 | 17.9 | 25.4 | 30.7 | 16.9 |
| 1987 | 865 | 100.0 | 7.4 | 15.0 | 25.2 | 31.8 | 20.6 |
| 1988 | 887 | 100.0 | 7.6 | 15.0 | 26.6 | 29.8 | 21.0 |
| 1989 | 908 | 100.0 | 9.8 | 18.5 | 26.5 | 26.4 | 18.8 |
| 1990 | 930 | 100.0 | 10.6 | 16.5 | 30.0 | 22.0 | 21.0 |
| 1991 | 954 | 100.0 | 6.4 | 17.6 | 27.8 | 29.2 | 19.0 |
| 1992 | 978 | 100.0 | 7.9 | 12.9 | 30.8 | 25.7 | 22.7 |
| White male | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 94,162 | 100.0 | 44.3 | 25.4 | 20.5 | 6.5 | 3.2 |
| 1983 | 95,421 | 100.0 | 44.6 | 25.4 | 20.6 | 6.5 | 2.9 |
| 1984 | 95,874 | 100.0 | 43.7 | 26.0 | 20.8 | 6.6 | 2.9 |
| 1985 | 96,835 | 100.0 | 44.0 | 26.9 | 20.1 | 6.2 | 2.8 |
| 1986 | 97,546 | 100.0 | 43.7 | 27.4 | 20.4 | 6.0 | 2.6 |
| 1987 | 98,201 | 100.0 | 43.5 | 27.8 | 20.2 | 6.0 | 2.5 |
| 1988 | 98,909 | 100.0 | 43.1 | 28.2 | 20.3 | 5.8 | 2.5 |
| 1989 | 100,003 | 100.0 | 44.0 | 28.1 | 19.7 | 5.6 | 2.6 |
| 1990 | 101,042 | 100.0 | 43.2 | 28.7 | 20.0 | 5.7 | 2.4 |
| 1991 | 101,586 | 100.0 | 42.4 | 28.5 | 20.4 | 6.0 | 2.7 |
| 1992 | 102,414 | 100.0 | 42.1 | 28.5 | 20.3 | 6.5 | 2.6 |
| 55–64 years: | | | | | | | |
| 1982 | 9,206 | 100.0 | 23.3 | 22.4 | 29.2 | 14.3 | 10.7 |
| 1983 | 9,260 | 100.0 | 25.6 | 23.3 | 29.2 | 13.3 | 8.6 |
| 1984 | 9,297 | 100.0 | 25.4 | 24.1 | 28.7 | 12.9 | 8.9 |
| 1985 | 9,300 | 100.0 | 24.3 | 24.4 | 29.0 | 13.6 | 8.7 |
| 1986 | 9,216 | 100.0 | 23.3 | 24.8 | 31.4 | 12.9 | 7.5 |
| 1987 | 9,100 | 100.0 | 26.4 | 26.3 | 28.0 | 11.7 | 7.6 |
| 1988 | 9,003 | 100.0 | 26.0 | 25.9 | 27.8 | 12.3 | 8.0 |
| 1989 | 8,909 | 100.0 | 27.9 | 24.5 | 28.8 | 11.9 | 6.9 |
| 1990 | 8,817 | 100.0 | 28.2 | 26.0 | 26.6 | 12.1 | 7.0 |
| 1991 | 8,729 | 100.0 | 25.9 | 26.9 | 27.9 | 12.3 | 7.0 |
| 1992 | 8,704 | 100.0 | 27.7 | 25.5 | 26.9 | 12.5 | 7.4 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|---------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| 65–74 years: | | | | | | | |
| 1982 | 6,204 | 100.0 | 17.4 | 18.7 | 30.9 | 20.3 | 12.7 |
| 1983 | 6,321 | 100.0 | 19.0 | 18.3 | 30.7 | 21.9 | 10.1 |
| 1984 | 6,410 | 100.0 | 17.4 | 20.2 | 30.5 | 21.1 | 10.8 |
| 1985 | 6,619 | 100.0 | 18.8 | 20.0 | 31.6 | 20.9 | 8.7 |
| 1986 | 6,740 | 100.0 | 18.1 | 22.8 | 33.2 | 17.5 | 8.4 |
| 1987 | 6,912 | 100.0 | 17.8 | 21.7 | 32.6 | 18.9 | 8.9 |
| 1988 | 7,003 | 100.0 | 20.0 | 23.2 | 31.8 | 17.7 | 7.4 |
| 1989 | 7,145 | 100.0 | 19.0 | 24.7 | 30.8 | 16.4 | 9.1 |
| 1990 | 7,252 | 100.0 | 20.2 | 23.6 | 32.3 | 16.2 | 7.6 |
| 1991 | 7,348 | 100.0 | 19.0 | 24.7 | 30.9 | 16.4 | 9.0 |
| 1992 | 7,375 | 100.0 | 18.3 | 24.2 | 32.0 | 17.5 | 8.1 |
| 75–84 years: | | | | | | | |
| 1982 | 2,638 | 100.0 | 14.7 | 19.0 | 30.5 | 24.2 | 11.5 |
| 1983 | 2,685 | 100.0 | 16.5 | 20.4 | 29.6 | 20.7 | 12.8 |
| 1984 | 2,826 | 100.0 | 15.0 | 19.1 | 33.4 | 19.9 | 12.6 |
| 1985 | 2,822 | 100.0 | 14.4 | 20.1 | 31.0 | 21.2 | 13.3 |
| 1986 | 2,896 | 100.0 | 14.3 | 20.2 | 32.7 | 22.0 | 10.9 |
| 1987 | 2,933 | 100.0 | 14.1 | 18.5 | 33.5 | 22.6 | 11.3 |
| 1988 | 3,081 | 100.0 | 16.1 | 18.8 | 34.4 | 19.9 | 10.3 |
| 1989 | 3,167 | 100.0 | 14.1 | 21.5 | 32.4 | 20.2 | 11.8 |
| 1990 | 3,267 | 100.0 | 15.7 | 20.8 | 32.8 | 20.0 | 10.6 |
| 1991 | 3,398 | 100.0 | 12.8 | 20.3 | 35.0 | 20.0 | 11.9 |
| 1992 | 3,498 | 100.0 | 15.3 | 21.3 | 31.5 | 20.5 | 11.4 |
| 65 years and over: | | | | | | | |
| 1982 | 9,378 | 100.0 | 16.3 | 19.2 | 30.7 | 21.2 | 12.5 |
| 1983 | 9,579 | 100.0 | 18.2 | 18.8 | 30.3 | 21.5 | 11.1 |
| 1984 | 9,766 | 100.0 | 16.6 | 20.0 | 31.2 | 20.8 | 11.4 |
| 1985 | 10,049 | 100.0 | 17.3 | 19.8 | 31.5 | 20.9 | 10.4 |
| 1986 | 10,206 | 100.0 | 17.1 | 21.9 | 32.9 | 18.8 | 9.2 |
| 1987 | 10,520 | 100.0 | 16.5 | 20.7 | 32.8 | 20.2 | 9.8 |
| 1988 | 10,698 | 100.0 | 18.6 | 21.7 | 32.4 | 18.6 | 8.6 |
| 1989 | 10,958 | 100.0 | 17.4 | 23.7 | 31.2 | 17.7 | 10.1 |
| 1990 | 11,173 | 100.0 | 18.6 | 22.6 | 32.4 | 17.5 | 8.8 |
| 1991 | 11,406 | 100.0 | 16.9 | 22.9 | 32.3 | 17.5 | 10.5 |
| 1992 | 11,559 | 100.0 | 17.0 | 23.1 | 31.9 | 18.6 | 9.5 |
| 75 years and over: | | | | | | | |
| 1982 | 3,175 | 100.0 | 14.2 | 20.2 | 30.5 | 23.1 | 12.0 |
| 1983 | 3,258 | 100.0 | 16.6 | 20.0 | 29.5 | 20.8 | 13.0 |
| 1984 | 3,356 | 100.0 | 15.1 | 19.7 | 32.5 | 20.2 | 12.6 |
| 1985 | 3,431 | 100.0 | 14.4 | 19.5 | 31.5 | 21.0 | 13.7 |
| 1986 | 3,466 | 100.0 | 15.1 | 20.3 | 32.4 | 21.3 | 10.9 |
| 1987 | 3,608 | 100.0 | 14.0 | 18.7 | 33.2 | 22.6 | 11.6 |
| 1988 | 3,695 | 100.0 | 16.1 | 19.0 | 33.5 | 20.5 | 10.9 |
| 1989 | 3,814 | 100.0 | 14.3 | 21.7 | 31.9 | 20.2 | 11.9 |
| 1990 | 3,920 | 100.0 | 15.7 | 20.8 | 32.5 | 20.0 | 11.0 |
| 1991 | 4,058 | 100.0 | 13.0 | 19.6 | 34.9 | 19.4 | 13.1 |
| 1992 | 4,184 | 100.0 | 14.7 | 21.1 | 31.7 | 20.7 | 11.8 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons¹</i> | <i>All health statuses²</i> | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|--------------------------------|--|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| 85 years and over: | | | | | | | |
| 1982 | 537 | 100.0 | 11.3 | 26.3 | 30.1 | 17.7 | 14.6 |
| 1983 | 573 | 100.0 | 17.5 | 18.1 | 29.1 | 21.4 | 13.8 |
| 1984 | 530 | 100.0 | 15.4 | 22.8 | 27.3 | 21.9 | 12.6 |
| 1985 | 608 | 100.0 | 14.2 | 16.7 | 33.9 | 19.9 | 15.4 |
| 1986 | 570 | 100.0 | 19.6 | 21.0 | 30.4 | 18.2 | *10.8 |
| 1987 | 675 | 100.0 | 13.5 | 19.5 | 31.6 | 22.4 | 12.9 |
| 1988 | 614 | 100.0 | 16.0 | 20.3 | 29.0 | 23.3 | 11.4 |
| 1989 | 646 | 100.0 | 15.3 | 22.9 | 29.1 | 20.1 | 12.6 |
| 1990 | 654 | 100.0 | 16.0 | 20.9 | 30.6 | 19.8 | 12.8 |
| 1991 | 661 | 100.0 | 14.0 | 15.8 | 34.3 | 16.4 | 19.5 |
| 1992 | 687 | 100.0 | 11.6 | 19.9 | 32.9 | 21.8 | 13.8 |
| White female | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 99,847 | 100.0 | 37.8 | 26.3 | 24.4 | 8.4 | 3.0 |
| 1983 | 101,027 | 100.0 | 38.3 | 26.4 | 24.3 | 8.3 | 2.8 |
| 1984 | 101,969 | 100.0 | 37.6 | 26.7 | 24.6 | 8.3 | 2.8 |
| 1985 | 102,498 | 100.0 | 37.6 | 28.5 | 23.8 | 7.5 | 2.6 |
| 1986 | 102,701 | 100.0 | 37.4 | 28.6 | 23.8 | 7.4 | 2.8 |
| 1987 | 103,657 | 100.0 | 37.8 | 28.8 | 23.4 | 7.5 | 2.6 |
| 1988 | 104,348 | 100.0 | 37.4 | 28.6 | 23.7 | 7.6 | 2.6 |
| 1989 | 105,309 | 100.0 | 38.0 | 29.0 | 23.2 | 7.4 | 2.4 |
| 1990 | 106,083 | 100.0 | 38.0 | 29.2 | 23.1 | 7.2 | 2.5 |
| 1991 | 106,616 | 100.0 | 37.0 | 29.2 | 23.6 | 7.5 | 2.7 |
| 1992 | 107,051 | 100.0 | 36.4 | 29.5 | 23.7 | 7.9 | 2.6 |
| 55–64 years: | | | | | | | |
| 1982 | 10,388 | 100.0 | 19.9 | 22.3 | 33.0 | 17.1 | 7.6 |
| 1983 | 10,436 | 100.0 | 22.3 | 23.3 | 32.0 | 15.9 | 6.5 |
| 1984 | 10,461 | 100.0 | 21.2 | 23.0 | 33.2 | 16.0 | 6.6 |
| 1985 | 10,415 | 100.0 | 21.6 | 24.5 | 32.8 | 15.0 | 6.1 |
| 1986 | 10,271 | 100.0 | 20.2 | 25.6 | 33.3 | 13.9 | 7.0 |
| 1987 | 10,135 | 100.0 | 23.0 | 24.4 | 33.3 | 13.3 | 5.9 |
| 1988 | 9,967 | 100.0 | 22.7 | 25.8 | 32.0 | 13.9 | 5.6 |
| 1989 | 9,877 | 100.0 | 23.6 | 27.2 | 30.9 | 12.5 | 5.7 |
| 1990 | 9,721 | 100.0 | 23.4 | 26.8 | 31.9 | 12.7 | 5.2 |
| 1991 | 9,638 | 100.0 | 22.6 | 26.2 | 32.1 | 13.2 | 6.0 |
| 1992 | 9,459 | 100.0 | 22.3 | 26.8 | 30.9 | 14.2 | 5.7 |
| 65–74 years: | | | | | | | |
| 1982 | 8,079 | 100.0 | 16.1 | 19.0 | 33.5 | 22.8 | 8.6 |
| 1983 | 8,164 | 100.0 | 16.8 | 20.2 | 33.8 | 21.0 | 8.1 |
| 1984 | 8,281 | 100.0 | 16.5 | 21.2 | 34.4 | 19.6 | 8.3 |
| 1985 | 8,406 | 100.0 | 17.4 | 21.5 | 35.1 | 18.9 | 7.0 |
| 1986 | 8,514 | 100.0 | 16.9 | 21.7 | 35.2 | 18.9 | 7.3 |
| 1987 | 8,645 | 100.0 | 17.0 | 22.4 | 34.7 | 19.0 | 6.9 |
| 1988 | 8,740 | 100.0 | 16.6 | 23.4 | 35.5 | 17.4 | 7.1 |
| 1989 | 8,839 | 100.0 | 18.0 | 24.6 | 33.7 | 17.6 | 6.1 |
| 1990 | 8,961 | 100.0 | 18.4 | 23.8 | 33.9 | 17.1 | 6.8 |
| 1991 | 8,975 | 100.0 | 16.4 | 25.0 | 34.7 | 17.1 | 6.8 |
| 1992 | 9,011 | 100.0 | 17.3 | 24.6 | 35.2 | 16.8 | 6.1 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|---------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| 75–84 years: | | | | | | | |
| 1982 | 4,386 | 100.0 | 13.9 | 20.3 | 31.6 | 22.8 | 11.3 |
| 1983 | 4,543 | 100.0 | 15.9 | 19.6 | 31.5 | 22.0 | 11.0 |
| 1984 | 4,644 | 100.0 | 16.5 | 21.3 | 31.1 | 19.9 | 11.3 |
| 1985 | 4,780 | 100.0 | 13.8 | 19.4 | 33.1 | 24.2 | 9.6 |
| 1986 | 4,807 | 100.0 | 15.6 | 19.4 | 32.7 | 20.7 | 11.6 |
| 1987 | 7,920 | 100.0 | 14.4 | 21.7 | 32.2 | 22.8 | 8.9 |
| 1988 | 5,019 | 100.0 | 14.6 | 21.1 | 32.5 | 21.6 | 10.2 |
| 1989 | 5,187 | 100.0 | 15.0 | 22.3 | 33.0 | 21.1 | 8.6 |
| 1990 | 5,210 | 100.0 | 14.2 | 23.5 | 32.9 | 20.7 | 8.6 |
| 1991 | 5,252 | 100.0 | 15.0 | 21.7 | 32.5 | 21.7 | 9.1 |
| 1992 | 5,321 | 100.0 | 14.3 | 22.3 | 32.5 | 21.9 | 9.0 |
| 65 years and over: | | | | | | | |
| 1982 | 13,599 | 100.0 | 15.3 | 19.7 | 32.4 | 22.6 | 10.0 |
| 1983 | 13,844 | 100.0 | 16.9 | 19.8 | 32.4 | 21.4 | 9.4 |
| 1984 | 14,151 | 100.0 | 16.3 | 21.0 | 32.9 | 19.9 | 9.8 |
| 1985 | 14,399 | 100.0 | 16.2 | 20.9 | 33.9 | 20.8 | 8.1 |
| 1986 | 14,547 | 100.0 | 16.4 | 20.8 | 33.9 | 19.6 | 9.2 |
| 1987 | 14,888 | 100.0 | 15.7 | 22.0 | 33.6 | 20.5 | 8.2 |
| 1988 | 15,120 | 100.0 | 15.8 | 22.1 | 34.0 | 19.3 | 8.7 |
| 1989 | 15,353 | 100.0 | 16.7 | 23.6 | 33.3 | 19.0 | 7.4 |
| 1990 | 15,618 | 100.0 | 16.6 | 23.7 | 33.1 | 18.7 | 7.9 |
| 1991 | 15,791 | 100.0 | 15.8 | 23.2 | 33.5 | 19.2 | 8.3 |
| 1992 | 15,980 | 100.0 | 15.9 | 23.4 | 34.1 | 19.2 | 7.5 |
| 75 years and over: | | | | | | | |
| 1982 | 5,520 | 100.0 | 14.1 | 20.6 | 30.8 | 22.4 | 12.1 |
| 1983 | 5,680 | 100.0 | 17.1 | 19.2 | 30.4 | 21.9 | 11.3 |
| 1984 | 5,870 | 100.0 | 16.2 | 20.8 | 30.8 | 20.4 | 11.9 |
| 1985 | 5,994 | 100.0 | 14.4 | 20.1 | 32.3 | 23.5 | 9.7 |
| 1986 | 6,033 | 100.0 | 15.8 | 19.6 | 32.0 | 20.7 | 11.9 |
| 1987 | 6,243 | 100.0 | 13.9 | 21.3 | 32.1 | 22.6 | 10.1 |
| 1988 | 6,379 | 100.0 | 14.8 | 20.5 | 32.0 | 22.0 | 10.8 |
| 1989 | 6,514 | 100.0 | 14.9 | 22.3 | 32.8 | 20.9 | 9.2 |
| 1990 | 6,658 | 100.0 | 14.1 | 23.4 | 32.0 | 21.0 | 9.5 |
| 1991 | 6,816 | 100.0 | 15.1 | 20.7 | 31.9 | 22.0 | 10.2 |
| 1992 | 6,969 | 100.0 | 14.1 | 21.7 | 32.6 | 22.2 | 9.4 |
| 85 years and over: | | | | | | | |
| 1982 | 1,134 | 100.0 | 14.6 | 21.9 | 27.5 | 20.9 | 15.0 |
| 1983 | 1,137 | 100.0 | 21.7 | 17.7 | 26.1 | 21.7 | 12.7 |
| 1984 | 1,226 | 100.0 | 14.9 | 19.0 | 29.7 | 22.3 | 14.2 |
| 1985 | 1,214 | 100.0 | 16.9 | 22.7 | 29.5 | 20.8 | 10.2 |
| 1986 | 1,226 | 100.0 | 16.3 | 20.6 | 29.2 | 20.8 | 13.1 |
| 1987 | 1,323 | 100.0 | 12.1 | 19.8 | 31.8 | 21.9 | 14.4 |
| 1988 | 1,360 | 100.0 | 15.3 | 18.4 | 30.2 | 23.2 | 12.9 |
| 1989 | 1,328 | 100.0 | 14.3 | 22.3 | 31.8 | 20.2 | 11.3 |
| 1990 | 1,448 | 100.0 | 13.7 | 23.0 | 28.5 | 21.8 | 13.0 |
| 1991 | 1,564 | 100.0 | 15.4 | 17.3 | 29.9 | 23.2 | 14.2 |
| 1992 | 1,648 | 100.0 | 13.4 | 19.9 | 33.1 | 23.0 | 10.6 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons¹</i> | <i>All health statuses²</i> | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|--------------------------------|--|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| Black male | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 12,475 | 100.0 | 30.9 | 21.9 | 31.2 | 11.3 | 4.6 |
| 1983 | 12,662 | 100.0 | 33.0 | 22.3 | 29.3 | 10.2 | 5.2 |
| 1984 | 12,892 | 100.0 | 35.0 | 23.1 | 27.8 | 9.7 | 4.5 |
| 1985 | 13,081 | 100.0 | 33.7 | 23.9 | 29.2 | 9.3 | 3.8 |
| 1986 | 13,290 | 100.0 | 35.1 | 22.4 | 28.9 | 9.6 | 4.0 |
| 1987 | 13,484 | 100.0 | 34.3 | 25.2 | 27.3 | 9.2 | 4.0 |
| 1988 | 13,697 | 100.0 | 34.2 | 23.4 | 29.1 | 9.5 | 3.7 |
| 1989 | 13,941 | 100.0 | 35.2 | 25.0 | 27.3 | 8.9 | 3.6 |
| 1990 | 14,175 | 100.0 | 35.6 | 25.6 | 26.8 | 8.8 | 3.2 |
| 1991 | 14,435 | 100.0 | 34.4 | 25.9 | 27.6 | 8.6 | 3.4 |
| 1992 | 14,722 | 100.0 | 34.2 | 26.3 | 26.5 | 8.9 | 4.1 |
| 55–64 years: | | | | | | | |
| 1982 | 848 | 100.0 | 13.4 | 19.4 | 24.8 | 25.1 | 17.3 |
| 1983 | 856 | 100.0 | 11.0 | 16.5 | 28.5 | 25.2 | 18.8 |
| 1984 | 857 | 100.0 | 14.6 | 19.8 | 26.4 | 21.0 | 18.2 |
| 1985 | 924 | 100.0 | 16.5 | 16.4 | 31.8 | 21.9 | 13.4 |
| 1986 | 934 | 100.0 | 14.1 | 16.8 | 26.5 | 26.5 | 16.0 |
| 1987 | 944 | 100.0 | 17.7 | 17.3 | 27.6 | 22.2 | 15.2 |
| 1988 | 951 | 100.0 | 14.5 | 18.5 | 32.7 | 24.1 | 10.2 |
| 1989 | 959 | 100.0 | 16.8 | 19.2 | 28.6 | 23.7 | 11.7 |
| 1990 | 966 | 100.0 | 15.7 | 21.4 | 30.4 | 21.4 | 11.2 |
| 1991 | 974 | 100.0 | 15.0 | 22.5 | 30.9 | 20.0 | 11.7 |
| 1992 | 981 | 100.0 | 17.1 | 20.5 | 27.1 | 24.1 | 11.2 |
| 65–74 years: | | | | | | | |
| 1982 | 561 | 100.0 | 8.1 | 15.4 | 21.2 | 36.5 | 18.7 |
| 1983 | 556 | 100.0 | *6.1 | 18.0 | 26.8 | 27.6 | 21.5 |
| 1984 | 559 | 100.0 | 8.9 | 19.6 | 25.6 | 24.4 | 21.6 |
| 1985 | 596 | 100.0 | *8.9 | 17.6 | 29.5 | 24.2 | 19.8 |
| 1986 | 616 | 100.0 | 14.0 | 15.5 | 28.5 | 24.0 | 17.9 |
| 1987 | 631 | 100.0 | 10.9 | 18.5 | 30.1 | 25.2 | 15.2 |
| 1988 | 646 | 100.0 | 12.0 | 12.3 | 28.2 | 28.1 | 19.5 |
| 1989 | 661 | 100.0 | 12.2 | 18.7 | 23.5 | 26.6 | 19.0 |
| 1990 | 676 | 100.0 | 18.6 | 17.4 | 26.1 | 24.1 | 13.8 |
| 1991 | 694 | 100.0 | 14.6 | 19.5 | 25.0 | 25.2 | 15.8 |
| 1992 | 711 | 100.0 | 12.1 | 17.6 | 27.9 | 29.0 | 13.4 |
| 75–84 years: | | | | | | | |
| 1982 | 240 | 100.0 | *5.5 | 18.8 | *17.9 | 31.9 | 26.0 |
| 1983 | 257 | 100.0 | *8.9 | *17.0 | *17.1 | 27.3 | 29.7 |
| 1984 | 262 | 100.0 | *15.0 | *14.9 | 29.5 | 26.4 | *14.1 |
| 1985 | 267 | 100.0 | *12.0 | *15.4 | 26.4 | 28.8 | *17.4 |
| 1986 | 271 | 100.0 | *5.1 | *14.1 | *30.1 | 38.5 | *12.1 |
| 1987 | 271 | 100.0 | *9.0 | *11.3 | 25.9 | 37.0 | 16.7 |
| 1988 | 277 | 100.0 | *7.8 | 15.2 | 28.2 | 27.3 | 21.4 |
| 1989 | 282 | 100.0 | *9.2 | 20.2 | 26.1 | 25.2 | 19.3 |
| 1990 | 291 | 100.0 | *10.7 | 17.0 | 30.6 | 21.5 | 20.2 |
| 1991 | 287 | 100.0 | *4.7 | 14.0 | 31.6 | 31.9 | 17.9 |
| 1992 | 286 | 100.0 | *10.9 | *9.6 | 33.0 | 25.3 | 21.3 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and year</i> | <i>All persons</i> ¹ | <i>All health statuses</i> ² | <i>Respondent-assessed health status</i> | | | | |
|---------------------------------|---------------------------------|---|--|------------------|-------------|-------------|-------------|
| | | | <i>Excellent</i> | <i>Very good</i> | <i>Good</i> | <i>Fair</i> | <i>Poor</i> |
| 65 years and over: | | | | | | | |
| 1982 | 847 | 100.0 | 7.8 | 17.2 | 20.1 | 33.7 | 21.2 |
| 1983 | 847 | 100.0 | 6.7 | 17.3 | 24.1 | 27.2 | 24.6 |
| 1984 | 860 | 100.0 | 11.1 | 18.3 | 26.3 | 25.3 | 19.1 |
| 1985 | 902 | 100.0 | 9.5 | 17.6 | 28.5 | 25.7 | 18.7 |
| 1986 | 924 | 100.0 | 11.6 | 15.0 | 29.0 | 28.4 | 16.1 |
| 1987 | 947 | 100.0 | 10.6 | 16.1 | 28.1 | 28.9 | 16.4 |
| 1988 | 969 | 100.0 | 10.6 | 12.9 | 28.0 | 28.1 | 20.4 |
| 1989 | 989 | 100.0 | 11.4 | 18.6 | 24.7 | 26.3 | 19.0 |
| 1990 | 1,012 | 100.0 | 15.8 | 16.8 | 28.2 | 23.2 | 16.0 |
| 1991 | 1,038 | 100.0 | 11.2 | 17.9 | 26.9 | 27.7 | 16.3 |
| 1992 | 1,064 | 100.0 | 11.2 | 15.2 | 29.8 | 27.9 | 15.9 |
| 75 years and over: | | | | | | | |
| 1982 | 287 | 100.0 | *7.0 | 20.6 | 18.1 | 28.2 | 26.1 |
| 1983 | 291 | 100.0 | *7.8 | 16.1 | 19.1 | 26.4 | 30.5 |
| 1984 | 302 | 100.0 | 15.3 | 15.9 | 27.7 | 26.8 | *14.3 |
| 1985 | 306 | 100.0 | *10.7 | *17.8 | 26.5 | 28.6 | *16.5 |
| 1986 | 308 | 100.0 | *6.7 | *14.0 | 29.8 | 37.2 | *12.3 |
| 1987 | 316 | 100.0 | *9.8 | *11.2 | 24.0 | 36.3 | 18.7 |
| 1988 | 323 | 100.0 | *7.7 | 14.2 | 27.6 | 28.2 | 22.3 |
| 1989 | 329 | 100.0 | *9.8 | 18.5 | 26.9 | 25.8 | 18.9 |
| 1990 | 336 | 100.0 | *10.1 | 15.6 | 32.3 | 21.4 | 20.5 |
| 1991 | 344 | 100.0 | *4.5 | 14.8 | 30.7 | 32.8 | 17.2 |
| 1992 | 353 | 100.0 | *9.5 | *10.4 | 33.7 | 25.6 | 20.8 |
| Black female | | | | | | | |
| All ages: | | | | | | | |
| 1982 | 14,437 | 100.0 | 24.9 | 22.7 | 32.7 | 14.2 | 5.6 |
| 1983 | 14,632 | 100.0 | 27.1 | 22.4 | 31.1 | 13.9 | 5.5 |
| 1984 | 14,868 | 100.0 | 28.1 | 22.7 | 31.2 | 12.9 | 5.1 |
| 1985 | 15,068 | 100.0 | 27.3 | 24.9 | 30.5 | 12.4 | 4.9 |
| 1986 | 15,259 | 100.0 | 26.9 | 23.6 | 32.2 | 12.7 | 4.5 |
| 1987 | 15,463 | 100.0 | 27.1 | 24.7 | 31.3 | 12.6 | 4.3 |
| 1988 | 15,685 | 100.0 | 28.5 | 24.1 | 31.0 | 12.1 | 4.3 |
| 1989 | 15,950 | 100.0 | 28.0 | 25.5 | 30.2 | 12.3 | 4.0 |
| 1990 | 16,196 | 100.0 | 29.0 | 25.7 | 29.8 | 11.2 | 4.3 |
| 1991 | 16,461 | 100.0 | 28.7 | 25.6 | 30.3 | 11.2 | 4.2 |
| 1992 | 16,739 | 100.0 | 27.0 | 26.1 | 30.2 | 11.8 | 4.8 |
| 55–64 years: | | | | | | | |
| 1982 | 1,086 | 100.0 | 10.9 | 16.7 | 26.2 | 27.5 | 18.6 |
| 1983 | 1,107 | 100.0 | 9.1 | 14.4 | 26.3 | 31.4 | 18.8 |
| 1984 | 1,119 | 100.0 | 10.2 | 15.5 | 28.2 | 30.5 | 15.6 |
| 1985 | 1,136 | 100.0 | 10.9 | 15.7 | 30.7 | 25.9 | 16.9 |
| 1986 | 1,145 | 100.0 | 10.5 | 17.5 | 30.1 | 27.3 | 14.5 |
| 1987 | 1,153 | 100.0 | 10.8 | 19.3 | 29.8 | 27.9 | 12.2 |
| 1988 | 1,159 | 100.0 | 11.5 | 14.6 | 34.8 | 25.5 | 13.6 |
| 1989 | 1,165 | 100.0 | 11.1 | 19.4 | 32.6 | 25.3 | 11.6 |
| 1990 | 1,172 | 100.0 | 13.5 | 19.8 | 30.0 | 24.1 | 12.7 |
| 1991 | 1,181 | 100.0 | 12.3 | 19.1 | 34.2 | 21.5 | 12.9 |
| 1992 | 1,192 | 100.0 | 7.5 | 21.0 | 30.3 | 26.5 | 14.6 |

Table 1. Number and percent distribution of persons, according to respondent-assessed health status, race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, age, and year | All persons ¹ | All health statuses ² | Respondent-assessed health status | | | | |
|---------------------------|--------------------------|----------------------------------|-----------------------------------|-----------|------|------|------|
| | | | Excellent | Very good | Good | Fair | Poor |
| 65–74 years: | | | | | | | |
| 1982 | 788 | 100.0 | 7.9 | 17.4 | 19.0 | 34.7 | 20.9 |
| 1983 | 790 | 100.0 | 8.7 | 14.5 | 21.0 | 36.0 | 19.7 |
| 1984 | 804 | 100.0 | 7.7 | 17.1 | 22.4 | 29.3 | 23.1 |
| 1985 | 834 | 100.0 | *7.2 | 16.8 | 25.0 | 31.7 | 19.4 |
| 1986 | 841 | 100.0 | 10.7 | 16.2 | 30.0 | 28.4 | 14.7 |
| 1987 | 856 | 100.0 | 8.9 | 16.7 | 29.8 | 30.7 | 13.9 |
| 1988 | 868 | 100.0 | 8.2 | 20.9 | 24.7 | 29.9 | 16.3 |
| 1989 | 884 | 100.0 | 10.7 | 19.2 | 26.0 | 31.5 | 12.5 |
| 1990 | 899 | 100.0 | 11.2 | 21.7 | 28.2 | 26.1 | 12.8 |
| 1991 | 915 | 100.0 | 10.8 | 21.8 | 26.0 | 26.8 | 14.6 |
| 1992 | 932 | 100.0 | 8.6 | 15.5 | 34.1 | 26.3 | 15.5 |
| 75–84 years: | | | | | | | |
| 1982 | 401 | 100.0 | *7.1 | 16.7 | 23.1 | 32.6 | 20.5 |
| 1983 | 367 | 100.0 | *6.9 | 19.9 | 21.6 | 25.4 | 26.2 |
| 1984 | 429 | 100.0 | *8.1 | 17.1 | 22.4 | 29.3 | 23.1 |
| 1985 | 419 | 100.0 | *7.6 | *15.9 | 29.6 | 29.7 | 17.3 |
| 1986 | 406 | 100.0 | *9.8 | 20.7 | 22.6 | 25.9 | 21.0 |
| 1987 | 447 | 100.0 | *6.5 | 17.1 | 25.2 | 28.4 | 22.8 |
| 1988 | 443 | 100.0 | *7.1 | 14.7 | 27.3 | 31.0 | 19.9 |
| 1989 | 444 | 100.0 | 10.8 | 18.8 | 24.8 | 26.9 | 18.8 |
| 1990 | 458 | 100.0 | 11.4 | 16.8 | 28.0 | 21.5 | 22.3 |
| 1991 | 498 | 100.0 | *7.3 | 20.8 | 24.1 | 29.3 | 18.4 |
| 1992 | 451 | 100.0 | *6.3 | 16.6 | 29.4 | 25.1 | 22.6 |
| 65 years and over: | | | | | | | |
| 1982 | 1,268 | 100.0 | 7.2 | 17.1 | 20.7 | 34.7 | 20.4 |
| 1983 | 1,288 | 100.0 | 7.7 | 16.8 | 21.2 | 32.5 | 21.8 |
| 1984 | 1,322 | 100.0 | 7.5 | 17.0 | 22.0 | 32.0 | 21.5 |
| 1985 | 1,357 | 100.0 | 7.5 | 16.2 | 27.3 | 30.1 | 18.9 |
| 1986 | 1,374 | 100.0 | 10.6 | 17.7 | 27.3 | 27.8 | 16.6 |
| 1987 | 1,405 | 100.0 | 7.8 | 16.9 | 28.3 | 30.2 | 16.9 |
| 1988 | 1,432 | 100.0 | 7.9 | 18.7 | 25.2 | 30.2 | 17.9 |
| 1989 | 1,464 | 100.0 | 10.4 | 18.9 | 26.1 | 29.6 | 15.0 |
| 1990 | 1,493 | 100.0 | 11.1 | 19.8 | 28.4 | 24.6 | 16.1 |
| 1991 | 1,525 | 100.0 | 9.5 | 20.8 | 26.0 | 27.0 | 16.8 |
| 1992 | 1,558 | 100.0 | 8.0 | 15.0 | 32.1 | 26.1 | 18.8 |
| 75 years and over: | | | | | | | |
| 1982 | 480 | 100.0 | *5.9 | 16.4 | 23.5 | 34.5 | 19.6 |
| 1983 | 497 | 100.0 | *6.1 | 20.4 | 21.4 | 26.8 | 25.4 |
| 1984 | 518 | 100.0 | *7.2 | 16.8 | 24.2 | 28.4 | 23.3 |
| 1985 | 523 | 100.0 | *8.1 | 15.3 | 31.0 | 27.5 | 18.1 |
| 1986 | 532 | 100.0 | *10.4 | 20.2 | 22.9 | 27.0 | 19.5 |
| 1987 | 549 | 100.0 | *6.1 | 17.2 | 25.9 | 29.2 | 21.6 |
| 1988 | 564 | 100.0 | 7.3 | 15.4 | 26.0 | 30.7 | 20.3 |
| 1989 | 580 | 100.0 | 9.8 | 18.5 | 26.3 | 26.7 | 18.8 |
| 1990 | 594 | 100.0 | 11.0 | 16.9 | 28.7 | 22.3 | 21.2 |
| 1991 | 610 | 100.0 | 7.5 | 19.2 | 26.1 | 27.1 | 20.1 |
| 1992 | 625 | 100.0 | 7.0 | 14.4 | 29.1 | 25.8 | 23.7 |

¹Includes unknown health status.

²Excludes unknown health status.

³Data include races other than white and black.

NOTE: Percentages may not add to totals shown because of rounding.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 2. Number of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985–92

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and type of limitation</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> | <i>1992</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| All races, both sexes ¹ | | | | | | | | |
| Number of persons in thousands | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 1,226 | 1,371 | 1,290 | 1,433 | 1,395 | 1,454 | 1,722 | 1,733 |
| Routine care activities ³ | 2,401 | 2,049 | 2,307 | 2,299 | 2,378 | 2,308 | 2,393 | 2,563 |
| Other activities ⁴ | 3,441 | 3,647 | 3,343 | 3,374 | 3,753 | 3,785 | 3,938 | 3,966 |
| Not limited ⁵ | 10,686 | 11,011 | 11,460 | 11,775 | 11,789 | 12,163 | 12,410 | 12,534 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 346 | 407 | 379 | 408 | 399 | 422 | 537 | 525 |
| Routine care activities ³ | 521 | 418 | 542 | 468 | 498 | 548 | 544 | 585 |
| Other activities ⁴ | 264 | 299 | 307 | 285 | 326 | 340 | 310 | 375 |
| Not limited ⁵ | 850 | 875 | 938 | 1,007 | 973 | 1,011 | 1,038 | 1,138 |
| All races, male ¹ | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 477 | 383 | 419 | 484 | 550 | 496 | 607 | 581 |
| Routine care activities ³ | 671 | 579 | 613 | 645 | 681 | 623 | 676 | 755 |
| Other activities ⁴ | 1,501 | 1,631 | 1,593 | 1,564 | 1,709 | 1,643 | 1,851 | 1,903 |
| Not limited ⁵ | 4,310 | 4,539 | 4,611 | 4,762 | 4,650 | 5,075 | 5,119 | 5,114 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 118 | 99 | 89 | 91 | 110 | 106 | 155 | 117 |
| Routine care activities ³ | 146 | 126 | 134 | 118 | 135 | 130 | 116 | 138 |
| Other activities ⁴ | 90 | 90 | 157 | 130 | 113 | 110 | 116 | 136 |
| Not limited ⁵ | 301 | 299 | 343 | 328 | 356 | 372 | 350 | 388 |
| All races, female ¹ | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 748 | 988 | 871 | 950 | 846 | 959 | 1,115 | 1,152 |
| Routine care activities ³ | 1,730 | 1,470 | 1,694 | 1,654 | 1,698 | 1,684 | 1,717 | 1,808 |
| Other activities ⁴ | 1,939 | 2,015 | 1,750 | 1,809 | 2,044 | 2,142 | 2,087 | 2,063 |
| Not limited ⁵ | 6,376 | 6,471 | 6,850 | 7,013 | 7,139 | 7,088 | 7,292 | 7,420 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 227 | 308 | 291 | 317 | 289 | 316 | 383 | 408 |
| Routine care activities ³ | 375 | 291 | 408 | 350 | 363 | 418 | 428 | 447 |
| Other activities ⁴ | 174 | 209 | 150 | 155 | 212 | 230 | 194 | 239 |
| Not limited ⁵ | 550 | 576 | 595 | 679 | 617 | 640 | 688 | 750 |

Table 2. Number of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985-92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and type of limitation</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> | <i>1992</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| White, both sexes | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 1,033 | 1,144 | 1,104 | 1,207 | 1,202 | 1,240 | 1,476 | 1,470 |
| Routine care activities ³ | 2,120 | 1,826 | 2,013 | 2,029 | 2,054 | 2,029 | 2,101 | 2,259 |
| Other activities ⁴ | 3,134 | 3,321 | 3,095 | 3,073 | 3,426 | 3,477 | 3,588 | 3,631 |
| Not limited ⁵ | 9,822 | 9,965 | 10,418 | 10,826 | 10,815 | 11,082 | 11,278 | 11,445 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 305 | 353 | 341 | 355 | 345 | 363 | 489 | 426 |
| Routine care activities ³ | 468 | 385 | 492 | 423 | 430 | 507 | 503 | 532 |
| Other activities ⁴ | 238 | 281 | 286 | 263 | 308 | 310 | 290 | 346 |
| Not limited ⁵ | 810 | 776 | 878 | 933 | 890 | 921 | 943 | 1,029 |
| Black, both sexes | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 174 | 189 | 172 | 203 | 173 | 200 | 220 | 225 |
| Routine care activities ³ | 245 | 202 | 262 | 245 | 288 | 249 | 268 | 251 |
| Other activities ⁴ | 279 | 296 | 221 | 264 | 284 | 271 | 296 | 305 |
| Not limited ⁵ | 743 | 799 | 884 | 755 | 803 | 862 | 919 | 860 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | *34 | *51 | *30 | 49 | 44 | 55 | 40 | 89 |
| Routine care activities ³ | *47 | *27 | 51 | 44 | 59 | *34 | 41 | 44 |
| Other activities ⁴ | *24 | *19 | *18 | *17 | *10 | *25 | *20 | *22 |
| Not limited ⁵ | *39 | *67 | 48 | 58 | 70 | 66 | 67 | 85 |
| White male | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 421 | 304 | 352 | 414 | 475 | 426 | 528 | 505 |
| Routine care activities ³ | 571 | 520 | 544 | 553 | 577 | 519 | 586 | 662 |
| Other activities ⁴ | 1,361 | 1,510 | 1,480 | 1,423 | 1,567 | 1,528 | 1,687 | 1,732 |
| Not limited ⁵ | 3,972 | 4,109 | 4,170 | 4,379 | 4,273 | 4,618 | 4,655 | 4,657 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 107 | 95 | 79 | 83 | 96 | 95 | 140 | 95 |
| Routine care activities ³ | 134 | 118 | 126 | 106 | 116 | 115 | 105 | 126 |
| Other activities ⁴ | 81 | *82 | 147 | 119 | 107 | 105 | 107 | 122 |
| Not limited ⁵ | 286 | 274 | 232 | 306 | 327 | 339 | 309 | 343 |

Table 2. Number of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and type of limitation</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> | <i>1992</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| White female | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 612 | 840 | 753 | 794 | 727 | 814 | 948 | 965 |
| Routine care activities ³ | 1,550 | 1,306 | 1,469 | 1,476 | 1,477 | 1,511 | 1,515 | 1,596 |
| Other activities ⁴ | 1,773 | 1,811 | 1,616 | 1,650 | 1,860 | 1,949 | 1,901 | 1,899 |
| Not limited ⁵ | 5,849 | 5,856 | 6,248 | 6,447 | 6,543 | 6,463 | 6,623 | 6,788 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 199 | 258 | 262 | 272 | 250 | 269 | 349 | 331 |
| Routine care activities ³ | 334 | 267 | 366 | 317 | 314 | 392 | 397 | 406 |
| Other activities ⁴ | 157 | 198 | 139 | 144 | 202 | 205 | 183 | 224 |
| Not limited ⁵ | 524 | 502 | 646 | 626 | 563 | 582 | 634 | 687 |
| Black male | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | *46 | 64 | 62 | 59 | 64 | 62 | 71 | 68 |
| Routine care activities ³ | 86 | 58 | 60 | 73 | 84 | 92 | 83 | 70 |
| Other activities ⁴ | 122 | 107 | 103 | 117 | 132 | 86 | 136 | 152 |
| Not limited ⁵ | 274 | 318 | 370 | 291 | 317 | 365 | 378 | 351 |
| Black female | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 128 | 125 | 110 | 143 | 109 | 137 | 149 | 156 |
| Routine care activities ³ | 160 | 144 | 202 | 172 | 204 | 157 | 185 | 182 |
| Other activities ⁴ | 157 | 190 | 119 | 148 | 153 | 185 | 160 | 154 |
| Not limited ⁵ | 469 | 481 | 514 | 464 | 486 | 497 | 541 | 509 |

¹Data include races other than white and black.

²Limited in activities such as eating, bathing, dressing, or getting around the home.

³Limited in activities such as doing everyday household chores, doing necessary business, shopping, or getting around for other purposes. Excludes persons who need help with personal care activities.

⁴Excludes those who need help of others with personal or routine care activities.

⁵Includes persons of unknown limitation status.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 3. Percent of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985–92

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and type of limitation</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> | <i>1992</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| All races, both sexes ¹ | | | | | | | | |
| Percent | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 6.9 | 7.6 | 7.0 | 7.6 | 7.2 | 7.4 | 8.4 | 8.3 |
| Routine care activities ³ | 13.5 | 11.3 | 12.5 | 12.2 | 12.3 | 11.7 | 11.7 | 12.3 |
| Other activities ⁴ | 19.4 | 20.2 | 18.2 | 17.9 | 19.4 | 19.2 | 19.2 | 19.1 |
| Not limited ⁵ | 60.2 | 60.9 | 62.3 | 62.4 | 61.0 | 61.7 | 60.6 | 60.3 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 17.4 | 20.4 | 17.5 | 18.8 | 18.2 | 18.2 | 22.1 | 20.0 |
| Routine care activities ³ | 26.3 | 20.9 | 25.0 | 21.6 | 22.7 | 23.6 | 22.4 | 22.3 |
| Other activities ⁴ | 13.3 | 15.0 | 14.2 | 13.2 | 14.8 | 14.6 | 12.8 | 14.3 |
| Not limited ⁵ | 42.9 | 43.8 | 43.3 | 46.4 | 44.3 | 43.6 | 42.7 | 43.4 |
| All races, male ¹ | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 6.9 | 5.4 | 5.8 | 6.5 | 7.2 | 6.3 | 7.4 | 7.0 |
| Routine care activities ³ | 9.6 | 8.1 | 8.5 | 8.7 | 9.0 | 8.0 | 8.2 | 9.0 |
| Other activities ⁴ | 21.6 | 22.9 | 22.0 | 21.0 | 22.5 | 21.0 | 22.4 | 22.8 |
| Not limited ⁵ | 61.9 | 63.6 | 63.7 | 63.9 | 61.3 | 64.8 | 62.0 | 61.2 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 18.0 | 16.2 | 12.2 | 13.6 | 15.4 | 14.8 | 21.0 | 15.0 |
| Routine care activities ³ | 22.3 | 20.5 | 18.6 | 17.7 | 18.9 | 18.1 | 15.8 | 17.7 |
| Other activities ⁴ | 13.8 | 14.7 | 21.8 | 19.5 | 15.9 | 15.3 | 15.8 | 17.5 |
| Not limited ⁵ | 45.9 | 48.6 | 47.4 | 49.2 | 49.9 | 51.8 | 47.4 | 49.8 |
| All races, female ¹ | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 6.9 | 9.0 | 7.8 | 8.3 | 7.2 | 8.1 | 9.1 | 9.3 |
| Routine care activities ³ | 16.0 | 13.4 | 15.2 | 14.5 | 14.5 | 14.2 | 14.1 | 14.5 |
| Other activities ⁴ | 18.0 | 18.4 | 15.7 | 15.8 | 17.4 | 18.0 | 17.1 | 16.6 |
| Not limited ⁵ | 59.1 | 59.1 | 61.4 | 61.4 | 60.9 | 59.7 | 59.7 | 59.6 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 17.2 | 22.2 | 20.1 | 21.1 | 19.5 | 19.7 | 22.6 | 22.1 |
| Routine care activities ³ | 28.3 | 21.1 | 28.3 | 23.3 | 24.5 | 26.1 | 25.3 | 24.2 |
| Other activities ⁴ | 13.1 | 15.1 | 10.4 | 10.3 | 14.3 | 14.3 | 11.4 | 13.0 |
| Not limited ⁵ | 41.5 | 41.6 | 41.2 | 45.2 | 41.7 | 39.9 | 40.7 | 40.7 |

Table 3. Percent of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985-92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and type of limitation</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> | <i>1992</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| White, both sexes | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 6.4 | 7.0 | 6.6 | 7.0 | 6.9 | 7.0 | 8.0 | 7.8 |
| Routine care activities ³ | 13.2 | 11.2 | 12.1 | 11.8 | 11.7 | 11.4 | 11.4 | 12.0 |
| Other activities ⁴ | 19.5 | 20.4 | 18.6 | 17.9 | 19.6 | 19.5 | 19.5 | 19.3 |
| Not limited ⁵ | 61.0 | 61.3 | 62.6 | 63.2 | 61.8 | 62.2 | 61.2 | 60.9 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 16.8 | 19.7 | 17.1 | 18.0 | 17.5 | 17.3 | 22.0 | 18.3 |
| Routine care activities ³ | 25.7 | 21.5 | 24.6 | 21.4 | 21.8 | 24.1 | 22.6 | 22.8 |
| Other activities ⁴ | 13.1 | 15.6 | 14.3 | 13.3 | 15.6 | 14.8 | 13.0 | 14.8 |
| Not limited ⁵ | 44.5 | 43.2 | 44.0 | 47.3 | 45.1 | 43.8 | 42.4 | 44.1 |
| Black, both sexes | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 12.1 | 12.7 | 11.2 | 13.8 | 11.2 | 12.6 | 12.9 | 13.7 |
| Routine care activities ³ | 17.0 | 13.6 | 17.0 | 16.7 | 18.6 | 15.7 | 15.7 | 15.3 |
| Other activities ⁴ | 19.3 | 19.9 | 14.4 | 18.0 | 18.3 | 17.1 | 17.4 | 18.6 |
| Not limited ⁵ | 51.6 | 53.7 | 57.4 | 51.5 | 51.9 | 54.5 | 54.0 | 52.4 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | *23.6 | *31.0 | *20.6 | 29.2 | 23.8 | 30.7 | 23.9 | 37.1 |
| Routine care activities ³ | *32.9 | *16.8 | 34.4 | 26.2 | 32.4 | *19.0 | 24.4 | 18.4 |
| Other activities ⁴ | *16.7 | *11.4 | *12.5 | *9.9 | *5.6 | *13.6 | *11.9 | *9.3 |
| Not limited ⁵ | *26.9 | *40.9 | 32.4 | 34.7 | 38.2 | 36.6 | 39.8 | 35.2 |
| White male | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 6.7 | 4.7 | 5.4 | 6.1 | 6.9 | 6.0 | 7.1 | 6.7 |
| Routine care activities ³ | 9.0 | *8.1 | 8.3 | 8.2 | 8.4 | 7.3 | 7.9 | 8.8 |
| Other activities ⁴ | 21.5 | 23.4 | 22.6 | 21.0 | 22.7 | 21.5 | 22.6 | 22.9 |
| Not limited ⁵ | 62.8 | 63.8 | 63.7 | 64.7 | 62.0 | 65.1 | 62.4 | 61.6 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 17.5 | 16.7 | 13.5 | 13.5 | 14.8 | 14.5 | 21.1 | 13.9 |
| Routine care activities ³ | 22.0 | 20.7 | 21.5 | 17.2 | 18.0 | 17.6 | 15.9 | 18.4 |
| Other activities ⁴ | 13.4 | 14.5 | 25.2 | 19.4 | 16.5 | 16.0 | 16.1 | 17.8 |
| Not limited ⁵ | 47.1 | 48.1 | 39.7 | 49.9 | 50.6 | 51.9 | 46.8 | 49.9 |

Table 3. Percent of persons 70 years of age and over with and without limitation in selected types of activities as a result of chronic conditions, by race, sex, age, and type of limitation: United States, 1985-92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, age, and type of limitation</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> | <i>1992</i> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| White female | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 6.3 | 8.6 | 7.5 | 7.7 | 6.9 | 7.6 | 8.6 | 8.6 |
| Routine care activities ³ | 15.8 | 13.3 | 14.6 | 14.2 | 13.9 | 14.1 | 13.8 | 14.2 |
| Other activities ⁴ | 18.1 | 18.5 | 16.0 | 15.9 | 17.5 | 18.2 | 17.3 | 16.9 |
| Not limited ⁵ | 59.8 | 59.7 | 62.0 | 62.2 | 61.7 | 60.2 | 60.3 | 60.3 |
| 85 years and over: | | | | | | | | |
| Personal care activities ² | 16.4 | 21.1 | 18.5 | 20.0 | 18.8 | 18.6 | 22.3 | 20.1 |
| Routine care activities ³ | 27.5 | 21.8 | 25.9 | 23.3 | 23.6 | 27.1 | 25.4 | 24.6 |
| Other activities ⁴ | 12.9 | 16.2 | 9.8 | 10.6 | 15.2 | 14.2 | 11.7 | 13.6 |
| Not limited ⁵ | 43.2 | 41.0 | 45.7 | 46.1 | 42.4 | 40.2 | 40.6 | 41.7 |
| Black male | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | *8.7 | 11.7 | 10.4 | 11.0 | 10.7 | 10.3 | 10.6 | 10.7 |
| Routine care activities ³ | 16.2 | 10.7 | 10.1 | 13.5 | 14.0 | 15.1 | 12.5 | 10.9 |
| Other activities ⁴ | 23.2 | 19.5 | 17.3 | 21.6 | 22.1 | 14.2 | 20.4 | 23.6 |
| Not limited ⁵ | 51.9 | 58.1 | 62.2 | 53.9 | 53.2 | 60.4 | 56.6 | 54.8 |
| Black female | | | | | | | | |
| 70 years and over: | | | | | | | | |
| Personal care activities ² | 14.0 | 13.3 | 11.6 | 15.5 | 11.5 | 14.1 | 14.4 | 15.6 |
| Routine care activities ³ | 17.5 | 15.3 | 21.4 | 18.6 | 21.5 | 16.1 | 17.8 | 18.1 |
| Other activities ⁴ | 17.1 | 20.2 | 12.6 | 15.9 | 16.0 | 19.0 | 15.5 | 15.4 |
| Not limited ⁵ | 51.4 | 51.2 | 54.4 | 50.1 | 51.0 | 50.9 | 52.3 | 50.9 |

¹Data include races other than white and black.

²Limited in activities such as eating, bathing, dressing, and getting around the home.

³Limited in activities such as doing everyday household chores, doing necessary business, shopping, or getting around for other purposes. Excludes persons who need help with personal care activities.

⁴Excludes those who need help of others with personal or routine care activities.

⁵Includes persons of unknown limitation status.

NOTE: Percentages may not add to 100 because of rounding.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 4. Number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, and age: United States, 1982–92

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, and age</i> | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|--|--------------------------|------|------|------|------|------|------|------|------|------|------|
| All races, both sexes¹ | | | | | | | | | | | |
| | Days per person per year | | | | | | | | | | |
| All ages | 14.3 | 14.5 | 14.8 | 14.8 | 15.2 | 14.5 | 14.7 | 15.2 | 14.9 | 16.1 | 16.3 |
| 55–64 years | 23.5 | 22.8 | 23.2 | 22.9 | 24.5 | 22.4 | 23.5 | 21.7 | 22.2 | 24.6 | 24.5 |
| 65–74 years | 29.8 | 27.5 | 28.3 | 29.1 | 30.1 | 27.6 | 26.7 | 26.9 | 26.5 | 29.1 | 30.2 |
| 75–84 years | 33.1 | 37.7 | 36.8 | 38.3 | 33.0 | 33.8 | 34.9 | 36.7 | 36.5 | 38.4 | 41.5 |
| 65 years and over | 31.6 | 32.1 | 31.8 | 33.1 | 32.1 | 30.3 | 30.6 | 31.5 | 31.4 | 34.0 | 35.4 |
| 75 years and over | 34.6 | 39.6 | 37.4 | 39.5 | 35.4 | 34.7 | 36.9 | 38.6 | 39.1 | 41.5 | 43.2 |
| 85 years and over | 40.8 | 47.2 | 40.1 | 45.0 | 45.3 | 38.3 | 45.0 | 46.5 | 49.6 | 53.7 | 49.6 |
| All races, male¹ | | | | | | | | | | | |
| All ages | 12.5 | 12.3 | 13.0 | 12.8 | 13.1 | 12.7 | 12.7 | 13.2 | 13.1 | 14.1 | 14.2 |
| 55–64 years | 23.0 | 20.9 | 22.9 | 22.9 | 22.0 | 22.1 | 22.6 | 18.8 | 22.9 | 22.9 | 22.2 |
| 65–74 years | 27.8 | 24.2 | 27.4 | 29.1 | 28.1 | 26.0 | 22.9 | 26.2 | 24.7 | 27.2 | 28.8 |
| 75–84 years | 23.7 | 32.9 | 33.8 | 38.3 | 27.0 | 29.9 | 28.5 | 32.8 | 33.8 | 36.9 | 42.0 |
| 65 years and over | 27.3 | 27.2 | 29.6 | 33.1 | 27.6 | 27.5 | 26.0 | 29.9 | 28.4 | 31.2 | 34.0 |
| 75 years and over | 26.3 | 33.1 | 33.9 | 39.5 | 26.7 | 30.4 | 31.9 | 36.9 | 35.1 | 38.6 | 43.2 |
| 85 years and over | 39.4 | 34.4 | 34.7 | 45.0 | 25.1 | 32.6 | 49.2 | 57.2 | 41.7 | 47.1 | 49.0 |
| All races, female¹ | | | | | | | | | | | |
| All ages | 16.0 | 16.5 | 16.5 | 16.6 | 17.2 | 16.1 | 16.5 | 17.0 | 16.7 | 17.9 | 18.2 |
| 55–64 years | 23.9 | 24.4 | 23.5 | 22.9 | 26.7 | 22.6 | 24.2 | 24.2 | 21.6 | 26.1 | 26.6 |
| 65–74 years | 31.4 | 30.1 | 28.9 | 30.6 | 31.6 | 28.9 | 29.8 | 27.4 | 27.9 | 30.7 | 31.4 |
| 75–84 years | 38.8 | 40.7 | 38.6 | 41.0 | 36.7 | 36.1 | 38.9 | 39.1 | 38.1 | 39.3 | 41.1 |
| 65 years and over | 34.6 | 35.4 | 33.2 | 35.4 | 35.2 | 32.3 | 34.0 | 32.6 | 33.6 | 36.0 | 36.5 |
| 75 years and over | 39.3 | 43.3 | 39.4 | 42.4 | 40.4 | 37.2 | 39.8 | 39.6 | 41.4 | 43.2 | 43.2 |
| 85 years and over | 41.4 | 53.4 | 42.4 | 47.9 | 54.3 | 41.1 | 43.1 | 41.4 | 53.2 | 56.6 | 49.8 |
| White, both sexes | | | | | | | | | | | |
| All ages | 14.2 | 14.3 | 14.7 | 14.5 | 15.2 | 14.3 | 14.6 | 15.0 | 14.8 | 16.1 | 16.2 |
| 55–64 years | 22.6 | 21.1 | 21.7 | 21.3 | 24.0 | 21.5 | 22.2 | 20.8 | 21.0 | 23.6 | 23.9 |
| 65–74 years | 28.3 | 26.4 | 27.1 | 27.9 | 28.6 | 27.0 | 25.8 | 25.7 | 25.6 | 28.0 | 39.6 |
| 75–84 years | 32.6 | 36.2 | 36.0 | 37.7 | 32.1 | 32.0 | 33.5 | 36.3 | 34.0 | 35.6 | 40.5 |
| 65 years and over | 30.5 | 30.6 | 30.9 | 32.0 | 31.0 | 29.3 | 29.5 | 30.5 | 30.1 | 32.5 | 34.4 |
| 75 years and over | 34.2 | 37.5 | 36.8 | 38.6 | 34.9 | 33.0 | 35.4 | 37.9 | 37.0 | 39.3 | 41.3 |
| 85 years and over | 40.9 | 42.9 | 40.2 | 42.3 | 47.3 | 36.8 | 43.1 | 44.2 | 48.9 | 54.0 | 44.4 |

Table 4. Number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, and age: United States, 1982–92—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, and age</i> | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|---------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Black, both sexes | | | | | | | | | | | |
| All ages | 16.3 | 16.6 | 16.6 | 17.4 | 16.6 | 16.4 | 16.6 | 17.1 | 17.7 | 17.5 | 18.6 |
| 55–64 years | 33.9 | 40.6 | 37.8 | 37.0 | 31.7 | 31.1 | 35.4 | 29.2 | 34.9 | 34.7 | 31.0 |
| 65–74 years | 45.7 | 40.4 | 40.8 | 46.2 | 45.6 | 34.8 | 38.1 | 37.5 | 37.5 | 39.1 | 40.0 |
| 75–84 years | 37.5 | 60.6 | 42.9 | 42.8 | 41.0 | 53.0 | 49.5 | 42.7 | 65.2 | 63.8 | 51.0 |
| 65 years and over | 42.8 | 50.2 | 41.2 | 47.2 | 43.4 | 41.4 | 44.0 | 41.1 | 47.2 | 47.6 | 48.3 |
| 75 years and over | 37.8 | 67.1 | 41.8 | 49.1 | 39.4 | 53.0 | 54.2 | 47.1 | 63.5 | 62.1 | 62.3 |
| 85 years and over | 39.1 | 92.1 | 35.8 | 79.0 | 32.7 | 52.7 | 74.3 | 65.0 | 56.5 | 54.4 | 97.1 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 5. Number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, and age: United States, 1982–92

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, and age</i> | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Days per person per year | | | | | | | | | | | |
| All races, both sexes ¹ | | | | | | | | | | | |
| All ages | 6.4 | 6.7 | 6.5 | 6.1 | 6.5 | 6.2 | 6.3 | 6.5 | 6.2 | 6.5 | 6.3 |
| 55–64 years | 10.1 | 10.1 | 10.1 | 9.1 | 9.8 | 9.6 | 9.9 | 8.5 | 8.9 | 9.4 | 8.7 |
| 65–74 years | 13.1 | 14.2 | 12.4 | 11.2 | 13.0 | 12.3 | 12.5 | 11.4 | 10.8 | 12.1 | 11.8 |
| 75–84 years | 15.6 | 17.9 | 18.3 | 15.6 | 15.6 | 14.8 | 15.0 | 16.8 | 16.0 | 16.1 | 17.5 |
| 65 years and over | 14.7 | 16.7 | 15.1 | 13.7 | 14.9 | 14.0 | 14.4 | 14.2 | 13.6 | 14.7 | 14.8 |
| 75 years and over | 17.4 | 20.8 | 19.4 | 17.8 | 18.1 | 16.6 | 17.3 | 18.6 | 18.1 | 18.7 | 19.1 |
| 85 years and over | 25.0 | 32.8 | 24.0 | 27.0 | 29.0 | 23.7 | 26.9 | 26.1 | 26.3 | 29.3 | 25.3 |
| All races, male ¹ | | | | | | | | | | | |
| All ages | 5.4 | 5.7 | 5.6 | 5.2 | 5.4 | 5.2 | 5.2 | 5.5 | 5.2 | 5.4 | 5.3 |
| 55–64 years | 10.1 | 8.9 | 9.4 | 8.7 | 7.9 | 8.8 | 8.9 | 7.8 | 8.4 | 8.2 | 7.6 |
| 65–74 years | 12.3 | 13.7 | 12.4 | 11.7 | 11.6 | 11.8 | 10.6 | 11.9 | 10.5 | 11.7 | 11.2 |
| 75–84 years | 12.7 | 16.4 | 18.7 | 14.6 | 10.6 | 13.5 | 12.8 | 15.9 | 15.9 | 15.3 | 18.2 |
| 65 years and over | 13.1 | 15.4 | 14.8 | 13.5 | 11.6 | 12.9 | 12.2 | 14.1 | 12.8 | 13.7 | 14.1 |
| 75 years and over | 14.6 | 18.6 | 19.4 | 16.7 | 11.6 | 14.9 | 15.3 | 18.0 | 17.1 | 17.4 | 19.3 |
| 85 years and over | 24.1 | 29.7 | 23.4 | 27.0 | 16.7 | 21.3 | 27.8 | 28.6 | 22.7 | 28.0 | 25.0 |
| All races, female ¹ | | | | | | | | | | | |
| All ages | 7.3 | 7.6 | 7.4 | 7.1 | 7.7 | 7.1 | 7.3 | 7.4 | 7.1 | 7.5 | 7.3 |
| 55–64 years | 10.1 | 11.1 | 10.6 | 9.5 | 11.4 | 10.2 | 10.9 | 9.1 | 9.3 | 10.5 | 9.7 |
| 65–74 years | 13.7 | 14.6 | 12.4 | 10.9 | 14.0 | 12.8 | 14.1 | 11.0 | 11.0 | 12.5 | 12.4 |
| 75–84 years | 17.3 | 18.8 | 18.1 | 16.1 | 18.6 | 15.6 | 16.3 | 17.4 | 16.0 | 16.6 | 17.0 |
| 65 years and over | 15.8 | 17.6 | 15.2 | 13.9 | 17.2 | 14.8 | 15.9 | 14.3 | 14.2 | 15.5 | 15.2 |
| 75 years and over | 19.0 | 22.0 | 19.4 | 18.3 | 21.9 | 17.6 | 18.5 | 18.9 | 18.7 | 19.6 | 19.0 |
| 85 years and over | 25.5 | 34.3 | 24.2 | 27.0 | 34.5 | 24.9 | 26.5 | 24.9 | 28.0 | 29.8 | 25.4 |
| White, both sexes | | | | | | | | | | | |
| All ages | 6.1 | 6.4 | 6.3 | 5.9 | 6.5 | 6.0 | 6.2 | 6.3 | 6.0 | 6.3 | 6.1 |
| 55–64 years | 9.5 | 8.9 | 9.0 | 8.1 | 9.5 | 9.0 | 9.0 | 8.1 | 8.3 | 8.7 | 8.1 |
| 65–74 years | 12.1 | 13.2 | 11.4 | 10.4 | 12.1 | 11.9 | 12.0 | 10.7 | 10.3 | 11.6 | 11.4 |
| 75–84 years | 15.1 | 17.4 | 17.7 | 14.8 | 15.3 | 13.9 | 14.2 | 16.2 | 14.3 | 14.9 | 17.2 |
| 65 years and over | 13.9 | 15.6 | 14.3 | 13.1 | 14.4 | 13.4 | 13.8 | 13.5 | 12.8 | 14.2 | 14.1 |
| 75 years and over | 17.0 | 19.6 | 19.0 | 17.3 | 18.0 | 15.7 | 16.5 | 17.7 | 16.6 | 18.0 | 18.2 |
| 85 years and over | 24.9 | 28.8 | 24.4 | 27.7 | 29.8 | 22.8 | 25.8 | 24.2 | 26.0 | 30.2 | 21.8 |

8 **Table 5. Number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, and age: United States, 1982-92—Con.**

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, and age</i> | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 |
|---------------------------|------|------|------|------|------|------|------|------|-------|-------|------|
| Black, both sexes | | | | | | | | | | | |
| All ages | 8.4 | 8.6 | 8.0 | 8.0 | 7.7 | 8.1 | 7.9 | 8.0 | 8.2 | 8.0 | 8.2 |
| 55-64 years | 17.1 | 22.3 | 19.1 | 17.8 | 12.9 | 15.1 | 17.6 | 12.1 | 15.1 | 15.1 | 13.7 |
| 65-74 years | 23.3 | 24.9 | 21.8 | 21.5 | 22.4 | 17.5 | 18.9 | 17.0 | 16.7 | 17.2 | 18.3 |
| 75-84 years | 17.9 | 26.6 | 21.4 | 19.9 | 18.1 | 25.2 | 21.1 | 23.8 | 32.8 | 27.6 | 19.6 |
| 65 years and over | 22.0 | 29.0 | 21.2 | 20.6 | 21.4 | 20.8 | 21.4 | 21.0 | 22.5 | 20.6 | 21.9 |
| 75 years and over | 19.6 | 36.1 | 20.4 | 19.2 | 19.8 | 26.5 | 25.5 | 27.8 | 32.4 | 26.3 | 27.8 |
| 85 years and over | 28.0 | 72.2 | 15.1 | 15.7 | 26.7 | 32.8 | 44.9 | 44.0 | *30.6 | *20.4 | 52.8 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 6. Average number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, and age | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|------------------------------------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|
| | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA |
| Days per person per year | | | | | | | | | | | | | | | |
| All races, both sexes ¹ | | | | | | | | | | | | | | | |
| All ages | 14.5 | 14.5 | 14.6 | 14.8 | 14.8 | 15.0 | 14.9 | 14.7 | 15.7 | 15.4 | 15.2 | 16.1 | 15.8 | 15.5 | 16.6 |
| 55-64 years | 23.1 | 22.2 | 25.1 | 23.3 | 23.2 | 23.5 | 22.5 | 21.9 | 24.2 | 22.8 | 22.4 | 24.2 | 23.8 | 23.2 | 25.5 |
| 65-74 years | 28.5 | 28.5 | 28.5 | 28.9 | 28.9 | 28.8 | 26.7 | 27.1 | 25.5 | 27.5 | 27.8 | 26.6 | 28.6 | 28.6 | 28.8 |
| 75-84 years | 35.9 | 35.8 | 36.1 | 35.0 | 35.7 | 33.2 | 36.0 | 36.0 | 36.1 | 37.2 | 37.6 | 36.2 | 38.8 | 39.1 | 38.0 |
| 65 years and over | 31.8 | 31.8 | 31.8 | 31.8 | 32.0 | 31.3 | 31.2 | 31.4 | 30.7 | 32.3 | 32.5 | 31.7 | 33.6 | 33.6 | 33.7 |
| 75 years and over | 37.2 | 37.3 | 37.0 | 36.5 | 37.0 | 35.2 | 38.2 | 38.2 | 38.3 | 39.7 | 40.1 | 38.8 | 41.3 | 41.5 | 40.7 |
| 85 years and over | 42.7 | 43.7 | 41.0 | 42.7 | 42.4 | 43.6 | 47.1 | 46.8 | 48.0 | 50.1 | 50.2 | 49.8 | 51.0 | 50.8 | 51.3 |
| All races, male ¹ | | | | | | | | | | | | | | | |
| All ages | 12.6 | 12.3 | 13.3 | 12.9 | 12.6 | 13.5 | 13.0 | 12.7 | 14.2 | 13.5 | 13.2 | 14.5 | 13.8 | 13.5 | 14.7 |
| 55-64 years | 22.2 | 20.7 | 25.3 | 22.3 | 21.4 | 25.1 | 21.5 | 20.7 | 23.9 | 21.5 | 20.9 | 23.6 | 22.7 | 22.0 | 24.8 |
| 65-74 years | 26.5 | 25.9 | 27.4 | 27.1 | 26.4 | 28.9 | 24.6 | 24.7 | 24.3 | 26.0 | 26.4 | 25.1 | 26.9 | 27.0 | 26.6 |
| 75-84 years | 30.2 | 28.6 | 32.7 | 30.2 | 30.8 | 28.6 | 31.7 | 30.7 | 34.2 | 34.5 | 34.3 | 35.2 | 37.7 | 37.3 | 38.6 |
| 65 years and over | 28.1 | 27.2 | 29.6 | 28.3 | 27.9 | 29.2 | 28.1 | 28.0 | 28.4 | 29.8 | 30.2 | 28.8 | 31.2 | 31.4 | 30.8 |
| 75 years and over | 31.2 | 29.7 | 33.6 | 30.6 | 30.8 | 29.9 | 34.7 | 34.4 | 35.4 | 36.9 | 37.8 | 34.8 | 39.1 | 39.6 | 37.7 |
| 85 years and over | 36.1 | 34.9 | 38.2 | 32.4 | 30.8 | 37.2 | 49.4 | 52.1 | 42.0 | 48.6 | 55.0 | 32.6 | 46.0 | 51.0 | 33.6 |
| All races, female ¹ | | | | | | | | | | | | | | | |
| All ages | 16.3 | 16.6 | 15.8 | 16.7 | 16.7 | 16.3 | 16.7 | 16.6 | 17.2 | 17.2 | 17.1 | 17.7 | 17.6 | 17.4 | 18.4 |
| 55-64 years | 23.9 | 23.5 | 24.9 | 24.1 | 24.8 | 22.0 | 23.4 | 23.0 | 24.5 | 24.0 | 23.7 | 24.8 | 24.8 | 24.3 | 26.1 |
| 65-74 years | 30.1 | 30.5 | 29.5 | 30.4 | 30.9 | 28.8 | 28.4 | 29.0 | 26.5 | 28.7 | 29.0 | 27.8 | 30.0 | 29.8 | 30.6 |
| 75-84 years | 39.4 | 39.9 | 38.4 | 37.9 | 38.5 | 36.3 | 38.7 | 39.2 | 37.3 | 38.9 | 39.6 | 36.9 | 39.5 | 40.2 | 37.6 |
| 65 years and over | 34.4 | 34.9 | 33.4 | 34.3 | 34.8 | 32.9 | 33.4 | 33.7 | 32.4 | 34.1 | 34.2 | 33.8 | 35.4 | 35.2 | 35.9 |
| 75 years and over | 40.7 | 41.4 | 39.2 | 39.9 | 40.5 | 38.5 | 40.3 | 40.3 | 40.1 | 41.4 | 41.4 | 41.4 | 42.6 | 42.7 | 42.5 |
| 85 years and over | 45.8 | 47.6 | 42.4 | 47.7 | 48.2 | 46.5 | 46.1 | 44.4 | 50.9 | 50.7 | 48.0 | 58.1 | 53.1 | 50.7 | 59.5 |
| White, both sexes | | | | | | | | | | | | | | | |
| All ages | 14.4 | 14.3 | 14.5 | 14.7 | 14.6 | 15.0 | 14.8 | 14.6 | 15.5 | 15.3 | 15.1 | 16.1 | 15.7 | 15.4 | 16.6 |
| 55-64 years | 21.8 | 20.5 | 24.4 | 22.3 | 21.9 | 23.5 | 21.3 | 20.8 | 22.8 | 21.8 | 21.3 | 23.2 | 22.8 | 22.2 | 24.5 |
| 65-74 years | 27.3 | 26.8 | 28.1 | 27.8 | 27.6 | 28.3 | 25.7 | 26.0 | 24.7 | 26.4 | 26.4 | 26.4 | 27.7 | 27.5 | 28.5 |
| 75-84 years | 35.0 | 34.8 | 35.2 | 33.9 | 34.6 | 32.2 | 34.6 | 34.8 | 34.2 | 35.3 | 35.7 | 34.2 | 36.8 | 37.1 | 35.8 |
| 65 years and over | 30.7 | 30.5 | 30.9 | 30.8 | 30.8 | 30.7 | 30.0 | 30.2 | 29.5 | 31.0 | 31.1 | 30.9 | 32.4 | 32.2 | 32.8 |
| 75 years and over | 36.2 | 36.6 | 35.5 | 35.5 | 35.9 | 34.3 | 36.8 | 36.9 | 36.6 | 38.1 | 38.4 | 37.2 | 39.3 | 39.4 | 38.8 |
| 85 years and over | 41.3 | 43.8 | 37.1 | 41.9 | 41.2 | 43.8 | 45.5 | 44.9 | 47.2 | 49.3 | 49.0 | 49.9 | 49.0 | 48.3 | 51.0 |

8 **Table 6. Average number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years—Con.**

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, and age | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--------------------------|---------------|-------|---------|---------------|-------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|
| | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA |
| Black, both sexes | | | | | | | | | | | | | | | |
| All ages | 16.5 | 16.9 | 15.0 | 16.8 | 17.1 | 14.9 | 17.1 | 17.0 | 17.7 | 17.4 | 17.5 | 17.0 | 17.9 | 18.0 | 17.3 |
| 55-64 years | 37.4 | 38.3 | 34.8 | 33.2 | 35.2 | 24.4 | 33.2 | 31.9 | 39.7 | 32.9 | 32.0 | 37.6 | 33.5 | 32.8 | 37.4 |
| 65-74 years | 42.3 | 45.5 | 34.5 | 42.1 | 43.3 | 37.1 | 37.7 | 38.2 | 35.4 | 38.0 | 40.5 | 27.2 | 38.9 | 39.8 | 34.4 |
| 75-84 years | 46.8 | 45.1 | 50.4 | 45.7 | 45.9 | 45.1 | 52.6 | 50.9 | 57.9 | 57.4 | 56.6 | 60.3 | 60.1 | 60.3 | 59.4 |
| 65 years and over | 44.7 | 45.3 | 43.5 | 44.0 | 45.0 | 40.1 | 44.1 | 43.8 | 45.3 | 45.3 | 46.6 | 40.3 | 47.7 | 48.4 | 45.0 |
| 75 years and over | 48.9 | 44.9 | 57.7 | 47.2 | 47.9 | 44.8 | 55.0 | 54.0 | 58.0 | 57.7 | 57.7 | 57.7 | 62.6 | 64.0 | 58.1 |
| 85 years and over | 58.9 | 43.6 | 88.5 | 53.8 | 56.8 | *43.1 | 65.0 | 67.3 | 58.6 | 58.7 | 62.7 | 48.1 | 72.4 | 78.9 | 53.6 |
| White male | | | | | | | | | | | | | | | |
| All ages | 12.6 | 12.3 | 13.3 | 12.8 | 12.5 | 13.7 | 13.0 | 12.7 | 14.0 | 13.5 | 13.2 | 14.6 | 13.8 | 13.5 | 14.8 |
| 55-64 years | 21.0 | 19.2 | 24.4 | 21.6 | 20.3 | 25.4 | 20.7 | 20.1 | 22.5 | 20.6 | 19.9 | 22.4 | 22.0 | 21.5 | 23.5 |
| 65-74 years | 25.2 | 24.4 | 26.4 | 26.0 | 25.2 | 28.2 | 23.7 | 23.7 | 23.6 | 25.5 | 25.4 | 25.5 | 26.5 | 26.5 | 26.4 |
| 75-84 years | 29.9 | 28.5 | 32.1 | 29.5 | 29.6 | 29.1 | 30.3 | 29.4 | 32.3 | 32.7 | 32.1 | 34.1 | 36.3 | 35.6 | 38.1 |
| 65 years and over | 27.0 | 26.1 | 28.5 | 27.4 | 26.8 | 28.8 | 26.9 | 26.8 | 27.3 | 28.9 | 29.0 | 28.7 | 30.5 | 30.5 | 30.5 |
| 75 years and over | 30.7 | 29.5 | 32.5 | 29.9 | 30.0 | 29.9 | 33.1 | 32.8 | 33.7 | 35.2 | 35.8 | 33.8 | 37.7 | 37.9 | 37.2 |
| 85 years and over | 34.3 | 34.3 | 34.4 | 32.1 | 31.3 | 34.5 | 46.9 | 49.0 | 41.2 | 47.8 | 54.1 | 31.8 | 44.6 | 49.4 | 32.3 |
| White female | | | | | | | | | | | | | | | |
| All ages | 16.1 | 16.2 | 15.7 | 16.5 | 16.6 | 16.3 | 16.5 | 16.9 | 16.9 | 17.0 | 16.9 | 17.5 | 17.4 | 17.2 | 18.3 |
| 55-64 years | 22.5 | 21.6 | 24.4 | 22.8 | 23.2 | 21.7 | 21.9 | 22.5 | 23.1 | 22.8 | 22.5 | 23.9 | 23.5 | 22.9 | 25.4 |
| 65-74 years | 28.9 | 28.6 | 29.4 | 29.2 | 29.5 | 28.5 | 27.3 | 27.3 | 25.7 | 27.2 | 27.3 | 27.2 | 28.8 | 28.2 | 30.3 |
| 75-84 years | 38.0 | 38.4 | 37.2 | 36.5 | 37.4 | 34.2 | 37.3 | 38.0 | 35.4 | 36.9 | 38.0 | 34.3 | 37.0 | 38.1 | 34.3 |
| 65 years and over | 33.2 | 33.5 | 32.7 | 33.2 | 33.5 | 32.1 | 32.2 | 32.6 | 31.1 | 32.6 | 32.6 | 32.5 | 33.7 | 33.4 | 34.6 |
| 75 years and over | 39.3 | 40.4 | 37.4 | 38.6 | 39.2 | 37.1 | 38.9 | 39.9 | 38.4 | 39.8 | 39.9 | 39.4 | 40.2 | 40.3 | 39.9 |
| 85 years and over | 44.6 | 48.0 | 38.4 | 46.8 | 46.3 | 48.1 | 44.9 | 46.8 | 50.1 | 49.9 | 46.8 | 58.4 | 50.9 | 47.8 | 59.2 |
| Black male | | | | | | | | | | | | | | | |
| All ages | 13.5 | 13.5 | 13.5 | 14.2 | 14.6 | 12.0 | 14.3 | 14.1 | 15.3 | 14.4 | 14.6 | 13.7 | 15.0 | 15.1 | 14.2 |
| 55-64 years | 35.9 | 35.1 | 38.0 | 31.1 | 33.2 | 22.4 | 28.8 | 26.5 | 40.6 | 31.2 | 28.8 | 44.2 | 30.2 | 27.8 | 42.1 |
| 65-74 years | 41.3 | 41.0 | 42.2 | 40.7 | 41.1 | 38.8 | 34.2 | 34.8 | 31.7 | 32.2 | 35.5 | 18.5 | 32.5 | 32.7 | 31.3 |
| 75-84 years | 33.0 | 27.2 | 44.4 | 33.7 | 37.9 | *19.2 | 47.2 | 45.5 | 52.7 | 52.7 | 55.1 | 44.0 | 51.1 | 54.5 | 38.5 |
| 65 years and over | 39.3 | 37.0 | 45.0 | 38.4 | 39.3 | 35.0 | 39.8 | 39.9 | 39.5 | 38.8 | 41.9 | 26.9 | 39.0 | 40.3 | 33.7 |
| 75 years and over | 35.6 | 28.4 | 49.2 | 34.0 | 35.7 | *28.2 | 50.9 | 50.7 | 51.6 | 52.1 | 55.3 | 41.2 | 52.2 | 56.7 | 37.4 |
| 85 years and over | 51.8 | *36.5 | *74.1 | *36.0 | *21.2 | *90.1 | 73.7 | 81.8 | *43.6 | 48.9 | 57.0 | *29.4 | 58.3 | 69.9 | *33.9 |

Table 6. Average number of restricted-activity days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, and age | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|-------------------------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|
| | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA |
| Black female | | | | | | | | | | | | | | | |
| All ages | 19.1 | 19.9 | 16.3 | 19.1 | 19.4 | 17.4 | 19.6 | 19.6 | 19.8 | 20.0 | 20.1 | 19.8 | 20.5 | 20.6 | 20.0 |
| 55-64 years | 38.7 | 40.7 | 32.1 | 34.9 | 36.7 | 26.2 | 36.8 | 36.3 | 39.0 | 34.4 | 34.7 | 33.0 | 36.3 | 36.9 | 33.3 |
| 65-74 years | 43.0 | 48.9 | 29.9 | 43.2 | 44.9 | 35.9 | 40.3 | 40.8 | 38.2 | 42.2 | 44.3 | 34.1 | 43.7 | 45.1 | 37.0 |
| 75-84 years | 55.5 | 55.8 | 54.8 | 53.4 | 50.9 | 63.1 | 56.0 | 54.3 | 61.3 | 60.4 | 57.6 | 69.4 | 65.6 | 63.9 | 71.2 |
| 65 years and over | 48.3 | 50.8 | 42.5 | 47.7 | 48.7 | 43.6 | 47.0 | 46.5 | 49.2 | 49.7 | 49.9 | 49.2 | 53.6 | 53.8 | 52.8 |
| 75 years and over | 56.7 | 53.9 | 63.5 | 54.8 | 54.8 | 54.9 | 57.3 | 55.9 | 61.7 | 60.8 | 59.1 | 66.3 | 68.5 | 68.1 | 69.7 |
| 85 years and over | 61.7 | 46.0 | 96.0 | 60.4 | 70.1 | *26.2 | 62.0 | 61.7 | 62.6 | 62.5 | 64.8 | 56.1 | 78.1 | 82.1 | 64.7 |

¹Data include races other than white and black.

NOTE: MSA is metropolitan statistical area.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 7. Average number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, and age | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|------------------------------------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|---------------|------|---------|
| | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA |
| All races, both sexes ¹ | | | | | | | | | | | | | | | |
| Days per person per year | | | | | | | | | | | | | | | |
| All ages | 6.5 | 6.6 | 6.4 | 6.3 | 6.3 | 6.4 | 6.3 | 6.2 | 6.7 | 6.4 | 6.3 | 6.7 | 6.3 | 6.2 | 6.7 |
| 55-64 years | 10.1 | 9.7 | 10.9 | 9.5 | 9.5 | 9.3 | 9.1 | 8.9 | 9.8 | 8.9 | 8.9 | 9.2 | 9.0 | 8.9 | 9.5 |
| 65-74 years | 13.2 | 13.6 | 12.5 | 12.2 | 12.1 | 12.3 | 11.5 | 12.0 | 10.4 | 11.4 | 11.6 | 10.8 | 11.6 | 11.8 | 10.9 |
| 75-84 years | 17.3 | 17.4 | 17.1 | 15.3 | 15.7 | 14.5 | 15.9 | 15.7 | 16.7 | 16.3 | 16.1 | 16.8 | 16.5 | 16.3 | 17.1 |
| 65 years and over | 15.5 | 15.9 | 14.8 | 14.2 | 14.3 | 14.0 | 14.1 | 14.1 | 13.9 | 14.2 | 14.2 | 14.3 | 14.4 | 14.4 | 14.4 |
| 75 years and over | 19.2 | 19.6 | 18.5 | 17.5 | 17.8 | 16.6 | 18.0 | 17.5 | 19.2 | 18.5 | 18.2 | 19.2 | 18.7 | 18.4 | 19.4 |
| 85 years and over | 27.3 | 28.7 | 24.9 | 26.5 | 26.7 | 25.9 | 26.4 | 25.1 | 30.2 | 27.3 | 26.4 | 29.6 | 26.9 | 26.4 | 28.3 |
| All races, male ¹ | | | | | | | | | | | | | | | |
| All ages | 5.6 | 5.4 | 5.8 | 5.2 | 5.1 | 5.6 | 5.3 | 5.2 | 5.8 | 5.4 | 5.3 | 5.9 | 5.3 | 5.2 | 5.7 |
| 55-64 years | 9.5 | 8.5 | 11.5 | 8.5 | 8.1 | 9.5 | 8.4 | 8.0 | 9.5 | 8.1 | 7.9 | 8.8 | 8.1 | 7.9 | 8.8 |
| 65-74 years | 12.8 | 12.9 | 12.6 | 11.7 | 11.1 | 13.3 | 11.0 | 11.3 | 10.2 | 11.4 | 11.7 | 10.5 | 11.1 | 11.6 | 9.7 |
| 75-84 years | 16.0 | 15.9 | 16.2 | 12.9 | 13.2 | 12.2 | 14.9 | 14.0 | 17.0 | 15.7 | 15.1 | 17.2 | 16.5 | 15.7 | 18.5 |
| 65 years and over | 14.4 | 14.5 | 14.4 | 12.6 | 12.4 | 13.3 | 13.0 | 12.9 | 13.3 | 13.5 | 13.5 | 13.4 | 13.5 | 13.6 | 13.3 |
| 75 years and over | 17.6 | 17.6 | 17.7 | 14.4 | 14.8 | 13.4 | 16.8 | 16.0 | 18.8 | 17.5 | 17.2 | 18.3 | 17.9 | 17.4 | 19.3 |
| 85 years and over | 25.8 | 26.2 | 25.2 | 21.8 | 22.2 | 20.5 | 26.3 | 25.5 | 28.5 | 26.4 | 27.4 | 23.9 | 25.2 | 26.0 | 23.5 |
| All races, female ¹ | | | | | | | | | | | | | | | |
| All ages | 7.4 | 7.6 | 7.0 | 7.3 | 7.3 | 7.2 | 7.3 | 7.2 | 7.5 | 7.3 | 7.2 | 7.5 | 7.3 | 7.2 | 7.7 |
| 55-64 years | 10.6 | 10.7 | 10.3 | 10.3 | 10.8 | 9.0 | 9.8 | 9.7 | 10.1 | 9.6 | 9.7 | 9.5 | 9.9 | 9.8 | 10.2 |
| 65-74 years | 13.6 | 14.2 | 12.5 | 12.5 | 12.9 | 11.5 | 12.0 | 12.5 | 10.6 | 11.5 | 11.6 | 11.1 | 11.9 | 12.0 | 11.9 |
| 75-84 years | 18.1 | 18.3 | 17.6 | 16.8 | 17.1 | 16.0 | 16.6 | 16.6 | 16.4 | 16.7 | 16.8 | 16.4 | 16.6 | 16.7 | 16.1 |
| 65 years and over | 16.2 | 16.8 | 15.1 | 15.3 | 15.6 | 14.5 | 14.8 | 15.0 | 14.4 | 14.7 | 14.6 | 14.9 | 15.0 | 14.9 | 15.3 |
| 75 years and over | 20.1 | 20.7 | 19.1 | 19.3 | 19.5 | 18.6 | 18.7 | 18.4 | 19.5 | 19.1 | 18.8 | 19.8 | 19.1 | 19.0 | 19.4 |
| 85 years and over | 28.0 | 29.7 | 24.7 | 28.8 | 28.9 | 28.3 | 26.5 | 24.9 | 31.0 | 27.7 | 25.9 | 32.4 | 27.7 | 26.6 | 30.6 |
| White, both sexes | | | | | | | | | | | | | | | |
| All ages | 6.3 | 6.3 | 6.3 | 6.1 | 6.0 | 6.4 | 6.1 | 6.0 | 6.5 | 6.2 | 6.1 | 6.6 | 6.1 | 6.0 | 6.5 |
| 55-64 years | 9.2 | 8.6 | 10.3 | 8.9 | 8.7 | 9.3 | 8.5 | 8.3 | 9.2 | 8.4 | 8.3 | 8.7 | 8.4 | 8.1 | 9.1 |
| 65-74 years | 12.2 | 12.3 | 12.0 | 11.5 | 11.2 | 12.3 | 11.0 | 11.2 | 10.3 | 10.9 | 10.9 | 10.8 | 11.1 | 11.2 | 10.7 |
| 75-84 years | 16.8 | 17.0 | 16.4 | 14.7 | 15.0 | 13.8 | 14.9 | 14.7 | 15.5 | 15.1 | 15.0 | 15.3 | 15.5 | 15.5 | 15.5 |
| 65 years and over | 14.6 | 14.9 | 14.1 | 13.6 | 13.5 | 13.8 | 13.3 | 13.3 | 13.4 | 13.5 | 13.4 | 13.8 | 13.7 | 13.7 | 13.8 |
| 75 years and over | 18.5 | 19.1 | 17.5 | 17.0 | 17.3 | 16.2 | 16.9 | 16.5 | 18.0 | 17.5 | 17.3 | 18.0 | 17.6 | 17.4 | 18.1 |
| 85 years and over | 26.0 | 28.3 | 22.1 | 26.6 | 26.7 | 26.5 | 25.3 | 24.0 | 28.9 | 26.9 | 26.0 | 29.4 | 25.9 | 25.0 | 28.2 |

Table 7. Average number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Race, sex, and age | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--------------------------|---------------|-------|---------|---------------|-------|---------|---------------|-------|---------|---------------|-------|---------|---------------|-------|---------|
| | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA | All locations | MSA | Not MSA |
| Black, both sexes | | | | | | | | | | | | | | | |
| All ages | 8.3 | 8.5 | 7.8 | 7.9 | 8.1 | 6.8 | 8.0 | 8.1 | 7.9 | 8.0 | 8.1 | 7.9 | 8.1 | 8.2 | 7.9 |
| 55-64 years | 19.5 | 20.0 | 18.1 | 15.2 | 16.6 | 9.0 | 14.9 | 14.7 | 16.1 | 14.1 | 13.9 | 15.0 | 14.7 | 14.7 | 14.3 |
| 65-74 years | 23.3 | 25.3 | 18.4 | 20.4 | 22.3 | 12.8 | 17.5 | 19.0 | 11.1 | 17.0 | 18.5 | 10.3 | 17.4 | 18.1 | 14.0 |
| 75-84 years | 21.9 | 20.5 | 24.9 | 21.1 | 21.0 | 21.6 | 26.0 | 26.1 | 25.7 | 28.1 | 26.9 | 32.3 | 26.7 | 25.3 | 31.6 |
| 65 years and over | 24.1 | 24.3 | 23.5 | 21.0 | 22.2 | 16.1 | 21.6 | 22.2 | 19.6 | 21.4 | 21.7 | 20.1 | 21.7 | 21.7 | 21.5 |
| 75 years and over | 25.3 | 22.4 | 31.6 | 21.9 | 22.0 | 21.3 | 28.6 | 28.0 | 30.5 | 28.8 | 27.5 | 33.1 | 28.8 | 28.2 | 30.7 |
| 85 years and over | 41.4 | 31.7 | 60.1 | 25.2 | 26.7 | *19.8 | 39.7 | 36.5 | 48.7 | 32.0 | 30.5 | *35.9 | 36.7 | 39.8 | *27.7 |
| White male | | | | | | | | | | | | | | | |
| All ages | 5.4 | 5.2 | 5.7 | 5.1 | 4.9 | 5.6 | 5.2 | 5.1 | 5.6 | 5.3 | 5.2 | 5.8 | 5.2 | 5.1 | 5.5 |
| 55-64 years | 8.6 | 7.5 | 10.7 | 8.0 | 7.4 | 9.7 | 8.1 | 7.8 | 8.9 | 7.8 | 7.6 | 8.3 | 7.7 | 7.5 | 8.3 |
| 65-74 years | 11.7 | 11.5 | 12.0 | 11.2 | 10.3 | 13.5 | 10.6 | 10.7 | 10.3 | 11.1 | 11.3 | 10.6 | 10.8 | 11.4 | 9.4 |
| 75-84 years | 16.0 | 15.7 | 16.4 | 12.3 | 12.5 | 11.6 | 13.8 | 13.1 | 15.2 | 14.6 | 14.1 | 15.7 | 15.9 | 15.3 | 17.4 |
| 65 years and over | 13.6 | 13.5 | 13.8 | 12.1 | 11.7 | 13.2 | 12.4 | 12.2 | 12.9 | 13.0 | 13.0 | 13.0 | 13.2 | 13.3 | 12.8 |
| 75 years and over | 17.2 | 17.3 | 17.2 | 13.9 | 14.4 | 12.8 | 15.7 | 15.1 | 17.2 | 16.6 | 16.5 | 17.0 | 17.3 | 16.9 | 18.2 |
| 85 years and over | 23.6 | 25.0 | 21.4 | 21.7 | 22.7 | 18.9 | 25.2 | 24.2 | 28.0 | 26.9 | 27.9 | 24.3 | 24.7 | 25.4 | 22.9 |
| White female | | | | | | | | | | | | | | | |
| All ages | 7.1 | 7.3 | 6.8 | 7.1 | 7.1 | 7.1 | 7.0 | 6.9 | 7.3 | 7.0 | 6.9 | 7.3 | 7.0 | 6.8 | 7.5 |
| 55-64 years | 9.7 | 9.5 | 10.0 | 9.7 | 9.9 | 8.9 | 8.8 | 8.6 | 9.4 | 8.9 | 8.8 | 9.0 | 9.0 | 8.7 | 9.8 |
| 65-74 years | 12.6 | 13.0 | 12.0 | 11.7 | 11.9 | 11.3 | 11.3 | 11.7 | 10.3 | 10.7 | 10.6 | 11.0 | 11.3 | 11.1 | 11.8 |
| 75-84 years | 17.2 | 17.7 | 16.5 | 16.1 | 16.5 | 15.2 | 15.6 | 15.6 | 15.8 | 15.5 | 15.6 | 15.1 | 15.2 | 15.6 | 14.3 |
| 65 years and over | 15.3 | 15.9 | 14.3 | 14.7 | 14.8 | 14.3 | 14.0 | 14.1 | 13.8 | 13.8 | 13.6 | 14.3 | 14.1 | 13.9 | 14.6 |
| 75 years and over | 19.3 | 20.1 | 17.7 | 18.8 | 19.0 | 18.3 | 17.7 | 17.4 | 18.5 | 18.0 | 17.7 | 18.6 | 17.8 | 17.7 | 17.9 |
| 85 years and over | 27.2 | 29.8 | 22.5 | 29.1 | 28.7 | 30.0 | 25.4 | 24.0 | 29.3 | 26.9 | 25.1 | 31.9 | 26.4 | 24.9 | 30.6 |
| Black male | | | | | | | | | | | | | | | |
| All ages | 6.8 | 6.8 | 7.0 | 6.4 | 6.6 | 5.4 | 6.5 | 6.3 | 7.2 | 6.4 | 6.4 | 6.7 | 6.4 | 6.4 | 6.6 |
| 55-64 years | 19.4 | 18.6 | 21.5 | 13.8 | 15.2 | *7.6 | 11.3 | 10.3 | 16.6 | 11.5 | 10.5 | 16.9 | 11.2 | 10.5 | 14.6 |
| 65-74 years | 23.8 | 25.0 | 20.4 | 18.2 | 20.4 | *9.5 | 15.3 | 17.0 | *7.5 | 14.8 | 16.3 | *8.5 | 15.4 | 15.7 | *14.3 |
| 75-84 years | 14.1 | 13.1 | *16.0 | 15.8 | 16.0 | *15.3 | 25.2 | 22.8 | 32.5 | 26.1 | 24.5 | 32.1 | 21.8 | 20.5 | *26.7 |
| 65 years and over | 22.2 | 22.1 | 22.2 | 17.6 | 18.7 | 13.2 | 19.2 | 19.6 | 17.9 | 18.2 | 18.5 | 17.0 | 17.8 | 17.6 | 18.9 |
| 75 years and over | 19.1 | 16.0 | 24.9 | 16.4 | 15.4 | *20.0 | 27.1 | 25.0 | 33.8 | 25.1 | 23.2 | 31.6 | 22.7 | 21.7 | 26.0 |
| 85 years and over | 50.8 | *36.5 | *71.6 | *19.9 | *11.1 | *52.1 | *39.2 | *38.0 | *43.6 | *19.1 | *14.9 | *29.4 | *27.1 | *28.8 | *23.5 |

Table 7. Average number of bed-disability days per person per year as a result of acute and chronic conditions, by race, sex, age, and location: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Race, sex, and age</i> | <i>1982-84</i> | | | <i>1985-87</i> | | | <i>1988-90</i> | | | <i>1989-91</i> | | | <i>1990-92</i> | | |
|---------------------------|----------------------|------------|----------------|----------------------|------------|----------------|----------------------|------------|----------------|----------------------|------------|----------------|----------------------|------------|----------------|
| | <i>All locations</i> | <i>MSA</i> | <i>Not MSA</i> | <i>All locations</i> | <i>MSA</i> | <i>Not MSA</i> | <i>All locations</i> | <i>MSA</i> | <i>Not MSA</i> | <i>All locations</i> | <i>MSA</i> | <i>Not MSA</i> | <i>All locations</i> | <i>MSA</i> | <i>Not MSA</i> |
| Black female | | | | | | | | | | | | | | | |
| All ages | 9.6 | 9.9 | 8.6 | 9.3 | 9.5 | 8.1 | 9.4 | 9.6 | 8.6 | 9.5 | 9.6 | 9.0 | 9.6 | 9.7 | 9.1 |
| 55-64 years | 19.6 | 21.0 | 15.3 | 16.4 | 17.7 | 10.4 | 17.9 | 18.4 | 15.7 | 16.3 | 16.8 | 13.7 | 17.5 | 18.1 | 14.0 |
| 65-74 years | 23.0 | 25.6 | 17.2 | 22.1 | 23.7 | 15.4 | 19.2 | 20.4 | 13.9 | 18.6 | 20.1 | 11.8 | 18.9 | 20.0 | 13.7 |
| 75-84 years | 26.8 | 24.9 | 31.4 | 24.5 | 24.1 | 26.0 | 26.5 | 28.1 | 21.1 | 29.3 | 28.4 | 32.4 | 29.8 | 28.4 | 34.3 |
| 65 years and over | 25.3 | 25.7 | 24.4 | 23.2 | 24.5 | 18.1 | 23.3 | 23.9 | 20.8 | 23.5 | 23.9 | 22.1 | 24.3 | 24.5 | 23.2 |
| 75 years and over | 29.0 | 25.9 | 36.2 | 25.0 | 25.8 | 22.1 | 29.5 | 29.8 | 28.6 | 31.0 | 30.0 | 33.8 | 32.3 | 31.9 | 33.3 |
| 85 years and over | 37.6 | 30.1 | *54.1 | 27.1 | 32.5 | *8.2 | 39.9 | 36.0 | 50.1 | 36.9 | 36.3 | *38.7 | 40.5 | 43.7 | *30.1 |

¹Data include races other than white and black.

NOTE: MSA is metropolitan statistical area.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 8. Average annual number of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Number of impairments in thousands | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | 383 | 191 | 192 | 487 | 203 | 284 | 549 | 244 | 305 | 485 | 234 | 251 | 550 | 285 | 265 |
| Other visual impairment | 7,857 | 4,744 | 3,113 | 7,773 | 4,762 | 3,012 | 7,374 | 4,648 | 2,726 | 7,313 | 4,584 | 2,729 | 7,612 | 4,810 | 2,803 |
| Cataract | 7,984 | 1,631 | 6,353 | 5,481 | 1,761 | 3,719 | 5,910 | 1,888 | 4,022 | 6,070 | 1,953 | 4,117 | 6,411 | 2,146 | 4,265 |
| Glaucoma | 1,649 | 727 | 922 | 1,896 | 801 | 1,096 | 2,131 | 879 | 1,252 | 2,369 | 963 | 1,406 | 2,431 | 1,102 | 1,328 |
| Diseases of retina | 833 | 282 | 551 | 778 | 332 | 446 | 1,229 | 512 | 717 | 1,217 | 482 | 735 | 1,293 | 520 | 772 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 1,761 | 991 | 770 | 1,600 | 895 | 705 | 1,404 | 817 | 588 | 1,338 | 782 | 556 | 1,464 | 842 | 622 |
| Other hearing impairment | 18,793 | 10,598 | 8,195 | 19,373 | 11,021 | 8,352 | 20,396 | 11,697 | 8,699 | 20,734 | 11,752 | 8,983 | 21,786 | 12,353 | 9,432 |
| Tinnitus | 5,394 | 2,530 | 2,864 | 6,259 | 3,111 | 3,149 | 6,458 | 3,199 | 3,260 | 6,501 | 3,293 | 3,208 | 7,139 | 3,684 | 3,454 |
| Deformity or orthopedic impairment | 23,316 | 10,990 | 12,326 | 27,139 | 12,915 | 14,224 | 27,922 | 13,060 | 14,862 | 28,537 | 13,379 | 15,158 | 29,718 | 13,958 | 15,760 |
| Back | 13,553 | 5,664 | 7,889 | 15,433 | 6,596 | 8,838 | 16,453 | 6,885 | 9,568 | 17,208 | 7,398 | 9,809 | 17,881 | 7,750 | 10,132 |
| Upper extremities | 3,123 | 1,800 | 1,323 | 3,082 | 1,713 | 1,370 | 3,431 | 1,949 | 1,483 | 3,481 | 1,979 | 1,501 | 3,804 | 2,105 | 1,699 |
| Lower extremities | 9,158 | 4,730 | 4,428 | 11,699 | 6,065 | 5,634 | 11,288 | 5,810 | 5,478 | 11,207 | 5,613 | 5,594 | 11,792 | 5,913 | 5,879 |
| 55-64 years | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *54 | *25 | *28 | *57 | *28 | *29 | *42 | *26 | *16 | *43 | *35 | *8 | *47 | *37 | *11 |
| Other visual impairment | 1,167 | 717 | 450 | 1,071 | 652 | 420 | 1,029 | 695 | 334 | 1,013 | 680 | 333 | 1,040 | 658 | 382 |
| Cataract | 677 | 279 | 398 | 739 | 292 | 448 | 698 | 313 | 385 | 688 | 271 | 416 | 816 | 291 | 525 |
| Glaucoma | 306 | 160 | 146 | 393 | 181 | 211 | 385 | 162 | 223 | 361 | 141 | 220 | 382 | 190 | 192 |
| Diseases of retina | 118 | *45 | *73 | 118 | *26 | 92 | 147 | 64 | 83 | 132 | 54 | 78 | 130 | 63 | 67 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 344 | 265 | 79 | 271 | 158 | 113 | 200 | 140 | 59 | 206 | 140 | 66 | 245 | 184 | 61 |
| Other hearing impairment | 3,645 | 2,190 | 1,455 | 3,751 | 2,328 | 1,423 | 3,675 | 2,259 | 1,417 | 3,617 | 2,177 | 1,440 | 3,721 | 2,262 | 1,458 |
| Tinnitus | 1,227 | 629 | 599 | 1,383 | 767 | 617 | 1,416 | 725 | 692 | 1,398 | 683 | 715 | 1,531 | 826 | 705 |
| Deformity or orthopedic impairment | 3,304 | 1,571 | 1,733 | 3,413 | 1,707 | 1,705 | 3,404 | 1,615 | 1,789 | 3,326 | 1,596 | 1,730 | 3,535 | 1,650 | 1,885 |
| Back | 1,928 | 852 | 1,076 | 1,854 | 942 | 912 | 1,996 | 902 | 1,094 | 1,942 | 884 | 1,059 | 2,069 | 947 | 1,122 |
| Upper extremities | 552 | 308 | 244 | 502 | 257 | 245 | 575 | 317 | 258 | 545 | 322 | 223 | 533 | 278 | 256 |
| Lower extremities | 1,292 | 653 | 638 | 1,468 | 764 | 704 | 1,326 | 668 | 659 | 1,264 | 627 | 637 | 1,404 | 670 | 734 |

8 **Table 8. Average annual number of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years—Con.**

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 65-74 years | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *64 | *55 | *9 | 89 | *37 | *51 | 79 | *39 | *40 | 73 | *37 | *35 | 59 | *36 | *23 |
| Other visual impairment | 1,111 | 553 | 558 | 1,054 | 594 | 559 | 1,038 | 580 | 458 | 995 | 556 | 439 | 1,032 | 625 | 407 |
| Cataract | 1,516 | 439 | 1,077 | 1,681 | 534 | 1,147 | 2,006 | 677 | 1,329 | 2,093 | 706 | 1,387 | 2,231 | 815 | 1,416 |
| Glaucoma | 517 | 264 | 253 | 584 | 239 | 345 | 693 | 302 | 391 | 789 | 323 | 466 | 790 | 367 | 423 |
| Diseases of retina | 248 | 101 | 147 | 180 | 70 | 110 | 330 | 158 | 172 | 340 | 151 | 189 | 341 | 144 | 198 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 380 | 259 | 120 | 361 | 217 | 144 | 346 | 209 | 136 | 337 | 198 | 140 | 324 | 197 | 127 |
| Other hearing impairment | 3,807 | 1,954 | 1,853 | 4,006 | 2,261 | 1,746 | 4,273 | 2,480 | 1,792 | 4,302 | 2,463 | 1,839 | 4,476 | 2,536 | 1,940 |
| Tinnitus | 1,347 | 611 | 736 | 1,585 | 753 | 832 | 1,546 | 753 | 793 | 1,603 | 821 | 782 | 1,675 | 860 | 814 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 1,423 | 509 | 914 | 1,524 | 562 | 962 | 1,448 | 546 | 902 | 1,588 | 647 | 942 | 1,669 | 703 | 965 |
| Upper extremities | 428 | 198 | 230 | 323 | 110 | 213 | 419 | 206 | 212 | 460 | 237 | 223 | 528 | 263 | 265 |
| Lower extremities | 1,105 | 449 | 656 | 1,260 | 478 | 782 | 1,301 | 579 | 722 | 1,305 | 530 | 775 | 1,357 | 535 | 822 |
| 75-84 years | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *32 | *12 | *21 | 84 | *40 | *44 | 136 | *46 | 90 | 129 | *46 | 84 | 122 | *45 | 77 |
| Other visual impairment | 924 | 391 | 533 | 867 | 341 | 526 | 749 | 358 | 391 | 789 | 392 | 396 | 765 | 376 | 389 |
| Cataract | 1,739 | 491 | 1,249 | 1,994 | 517 | 1,477 | 2,026 | 524 | 1,502 | 2,143 | 606 | 1,537 | 2,129 | 623 | 1,507 |
| Glaucoma | 406 | *76 | 329 | 421 | 145 | 276 | 548 | 223 | 324 | 611 | 235 | 375 | 581 | 250 | 331 |
| Diseases of retina | 174 | *34 | 141 | 183 | 73 | 109 | 304 | 95 | 209 | 322 | 110 | 213 | 362 | 115 | 247 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 397 | 200 | 197 | 329 | 174 | 156 | 326 | 165 | 161 | 328 | 163 | 165 | 331 | 163 | 168 |
| Other hearing impairment | 2,488 | 1,072 | 1,415 | 2,479 | 1,064 | 1,415 | 2,866 | 1,224 | 1,642 | 3,077 | 1,356 | 1,721 | 3,237 | 1,470 | 1,767 |
| Tinnitus | 622 | 233 | 389 | 716 | 271 | 445 | 742 | 255 | 487 | 740 | 303 | 438 | 858 | 382 | 476 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 676 | 159 | 517 | 759 | 212 | 547 | 860 | 179 | 681 | 866 | 190 | 676 | 955 | 245 | 709 |
| Upper extremities | 235 | 124 | 111 | 221 | 81 | 140 | 267 | 103 | 164 | 261 | 100 | 161 | 266 | 104 | 162 |
| Lower extremities | 541 | 179 | 362 | 782 | 261 | 522 | 685 | 232 | 453 | 726 | 251 | 474 | 874 | 296 | 579 |

Table 8. Average annual number of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over | | | | | | | | | | | | | | | |
| Visual problems:¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | 164 | 94 | *69 | 233 | 106 | 127 | 300 | 121 | 179 | 252 | 100 | 152 | 253 | 108 | 145 |
| Other visual impairment | 2,375 | 1,063 | 1,313 | 2,234 | 1,010 | 1,224 | 2,090 | 1,027 | 1,063 | 2,070 | 1,026 | 1,044 | 2,165 | 1,114 | 1,051 |
| Cataract | 3,867 | 1,099 | 2,768 | 4,294 | 1,214 | 3,079 | 4,658 | 1,352 | 3,306 | 4,802 | 1,450 | 3,352 | 4,978 | 1,600 | 3,377 |
| Glaucoma | 1,058 | 402 | 655 | 1,163 | 433 | 730 | 1,425 | 558 | 867 | 1,610 | 604 | 1,006 | 1,601 | 665 | 936 |
| Diseases of retina | 476 | 148 | 328 | 411 | 161 | 250 | 725 | 292 | 433 | 749 | 282 | 467 | 832 | 295 | 537 |
| Hearing problems:¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 991 | 504 | 487 | 910 | 496 | 414 | 879 | 463 | 416 | 852 | 456 | 395 | 863 | 433 | 430 |
| Other hearing impairment | 7,005 | 3,288 | 3,717 | 7,243 | 3,601 | 3,642 | 8,119 | 4,006 | 4,113 | 8,370 | 4,113 | 4,257 | 8,856 | 4,341 | 4,515 |
| Tinnitus | 2,043 | 866 | 1,177 | 2,411 | 1,066 | 1,345 | 2,433 | 1,046 | 1,387 | 2,462 | 1,144 | 1,319 | 2,664 | 1,263 | 1,402 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 2,241 | 720 | 1,521 | 2,496 | 821 | 1,675 | 2,492 | 764 | 1,728 | 2,691 | 890 | 1,801 | 2,917 | 1,010 | 1,907 |
| Upper extremities | 741 | 342 | 398 | 569 | 194 | 375 | 737 | 328 | 409 | 780 | 356 | 425 | 859 | 397 | 462 |
| Lower extremities | 1,849 | 676 | 1,173 | 2,274 | 806 | 1,468 | 2,228 | 856 | 1,372 | 2,279 | 833 | 1,445 | 2,491 | 870 | 1,621 |
| 75 years and over | | | | | | | | | | | | | | | |
| Visual problems:¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | 100 | *39 | *61 | 145 | *68 | 76 | 221 | 82 | 139 | 179 | 63 | 116 | 193 | 72 | 121 |
| Other visual impairment | 1,264 | 510 | 755 | 1,181 | 416 | 765 | 1,053 | 447 | 606 | 1,075 | 470 | 604 | 1,133 | 489 | 644 |
| Cataract | 2,350 | 659 | 1,691 | 2,613 | 681 | 1,932 | 2,652 | 675 | 1,977 | 2,709 | 744 | 1,965 | 2,746 | 785 | 1,961 |
| Glaucoma | 541 | 138 | 403 | 580 | 195 | 385 | 732 | 256 | 475 | 820 | 281 | 540 | 811 | 298 | 513 |
| Diseases of retina | 227 | *47 | 180 | 230 | 91 | 140 | 396 | 134 | 262 | 410 | 132 | 278 | 491 | 151 | 340 |
| Hearing problems:¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 612 | 245 | 366 | 549 | 279 | 270 | 534 | 254 | 280 | 514 | 259 | 256 | 539 | 236 | 303 |
| Other hearing impairment | 3,198 | 1,334 | 1,864 | 3,236 | 1,340 | 1,896 | 3,846 | 1,525 | 2,321 | 4,068 | 1,650 | 2,418 | 4,380 | 1,805 | 2,576 |
| Tinnitus | 696 | 255 | 442 | 826 | 313 | 513 | 887 | 293 | 594 | 859 | 323 | 536 | 990 | 402 | 587 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 818 | 211 | 607 | 972 | 259 | 713 | 1,044 | 219 | 826 | 1,103 | 244 | 859 | 1,249 | 306 | 942 |
| Upper extremities | 313 | 145 | 168 | 247 | 85 | 162 | 318 | 121 | 197 | 320 | 119 | 201 | 331 | 134 | 197 |
| Lower extremities | 744 | 227 | 517 | 1,014 | 328 | 686 | 927 | 277 | 650 | 974 | 304 | 670 | 1,134 | 335 | 799 |

Table 8. Average annual number of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *67 | *27 | *40 | *61 | *29 | *32 | 85 | *36 | 49 | *50 | *17 | *33 | 72 | *27 | *44 |
| Other visual impairment | 341 | 119 | 221 | 314 | 75 | 239 | 304 | 89 | 215 | 286 | 78 | 208 | 367 | 113 | 255 |
| Cataract | 611 | 169 | 442 | 619 | 163 | 456 | 626 | 151 | 475 | 566 | 138 | 427 | 617 | 163 | 454 |
| Glaucoma | 135 | *62 | *73 | 158 | *49 | 109 | 184 | *33 | 151 | 210 | *45 | 164 | 230 | *48 | 182 |
| Diseases of retina | *53 | *13 | *39 | *48 | *17 | *30 | 92 | *39 | 53 | 87 | *22 | 65 | 129 | *36 | 93 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 214 | *45 | 169 | 219 | 105 | 114 | 208 | 89 | 119 | 186 | 96 | 90 | 209 | 74 | 135 |
| Other hearing impairment | 711 | 262 | 449 | 757 | 276 | 481 | 981 | 302 | 679 | 991 | 294 | 697 | 1,143 | 335 | 808 |
| Tinnitus | *74 | *21 | *53 | 110 | *42 | *68 | 145 | *38 | 107 | 119 | *20 | 99 | 131 | *20 | 111 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 394 | 107 | 287 | 434 | 115 | 318 | 436 | 95 | 342 | 503 | 117 | 385 | 581 | 124 | 457 |
| Upper extremities | 142 | *52 | 91 | 213 | *47 | 166 | 184 | *40 | 144 | 236 | 53 | 183 | 294 | 61 | 233 |
| Lower extremities | *78 | *20 | *58 | *25 | *4 | *22 | 51 | *18 | *33 | 59 | *20 | *40 | 65 | *30 | *36 |
| | 203 | *48 | 155 | 232 | 67 | 164 | 242 | *45 | 197 | 248 | 52 | 196 | 260 | *39 | 220 |

¹A person may be counted more than once depending upon hearing or visual problem.

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 9. Average annual rate of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | 1.7 | 1.7 | 1.6 | 2.1 | 1.8 | 2.3 | 2.3 | 2.1 | 2.4 | 2.0 | 2.0 | 2.0 | 2.2 | 2.4 | 2.1 |
| Other visual impairment | 34.3 | 42.9 | 26.2 | 32.9 | 41.7 | 24.7 | 30.3 | 39.4 | 21.7 | 29.7 | 38.4 | 21.5 | 30.6 | 39.8 | 21.9 |
| Cataract | 21.7 | 14.7 | 28.3 | 23.2 | 15.4 | 30.5 | 24.3 | 16.0 | 32.0 | 24.7 | 16.4 | 32.5 | 25.8 | 17.8 | 33.3 |
| Glaucoma | 7.2 | 6.6 | 7.8 | 8.0 | 7.0 | 9.0 | 8.8 | 7.4 | 10.0 | 9.6 | 8.1 | 11.1 | 9.8 | 9.1 | 10.4 |
| Diseases of retina | 3.6 | 2.5 | 4.6 | 3.3 | 2.9 | 3.7 | 5.0 | 4.3 | 5.7 | 4.9 | 4.0 | 5.8 | 5.2 | 4.3 | 6.0 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 7.7 | 9.0 | 6.5 | 6.9 | 7.8 | 5.8 | 5.8 | 6.9 | 4.7 | 5.4 | 6.6 | 4.4 | 5.9 | 7.0 | 4.9 |
| Other hearing impairment | 81.9 | 95.7 | 69.1 | 82.0 | 96.5 | 68.5 | 83.8 | 99.1 | 69.3 | 84.2 | 98.4 | 70.9 | 87.6 | 102.3 | 73.7 |
| Tinnitus | 23.5 | 22.9 | 24.1 | 26.5 | 27.2 | 25.8 | 26.5 | 27.1 | 26.0 | 26.4 | 27.6 | 25.3 | 28.7 | 30.5 | 27.0 |
| Deformity or orthopedic impairment | 101.7 | 99.3 | 103.9 | 114.9 | 113.1 | 116.6 | 114.7 | 110.7 | 118.4 | 116.0 | 112.1 | 119.6 | 119.5 | 115.6 | 123.1 |
| Back | 59.1 | 51.2 | 66.5 | 65.3 | 57.7 | 72.4 | 67.7 | 58.3 | 76.2 | 69.9 | 62.0 | 77.4 | 71.9 | 64.2 | 79.2 |
| Upper extremities | 13.6 | 16.3 | 11.1 | 13.0 | 15.0 | 11.2 | 14.1 | 16.5 | 11.8 | 14.1 | 16.6 | 11.8 | 15.3 | 17.4 | 13.3 |
| Lower extremities | 39.9 | 42.7 | 37.3 | 49.5 | 53.1 | 46.2 | 46.4 | 49.2 | 43.6 | 45.5 | 47.0 | 44.1 | 47.4 | 49.0 | 45.9 |
| 55-64 years | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *2.4 | *2.5 | *2.4 | *2.6 | *2.7 | *2.5 | *1.9 | *2.5 | *1.4 | *2.0 | *3.5 | *0.7 | *2.2 | *3.7 | *0.9 |
| Other visual impairment | 53.1 | 69.9 | 38.3 | 48.7 | 63.1 | 35.9 | 48.0 | 68.7 | 29.5 | 47.6 | 67.6 | 29.6 | 49.1 | 65.7 | 34.2 |
| Cataract | 30.8 | 27.2 | 33.9 | 33.6 | 28.2 | 38.4 | 32.6 | 30.9 | 34.0 | 32.3 | 27.0 | 37.1 | 38.6 | 29.0 | 47.1 |
| Glaucoma | 13.9 | 15.7 | 12.4 | 17.9 | 17.6 | 18.1 | 17.9 | 16.0 | 19.7 | 17.0 | 14.0 | 19.6 | 18.0 | 18.9 | 17.2 |
| Diseases of retina | 5.4 | *4.4 | *6.2 | 5.4 | *2.5 | 7.9 | 6.9 | 6.4 | 7.3 | 6.2 | 5.3 | 6.9 | 6.1 | 6.3 | 6.0 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 15.7 | 25.9 | 6.8 | 12.3 | 15.3 | 9.7 | 9.3 | 13.9 | 5.2 | 9.7 | 13.9 | 5.8 | 11.6 | 18.3 | 5.5 |
| Other hearing impairment | 165.8 | 213.6 | 124.0 | 170.5 | 225.3 | 121.9 | 171.4 | 223.4 | 125.0 | 169.9 | 216.5 | 128.2 | 175.8 | 225.8 | 130.8 |
| Tinnitus | 55.8 | 61.3 | 51.0 | 62.9 | 74.2 | 52.8 | 66.0 | 71.7 | 61.0 | 65.7 | 67.9 | 63.7 | 72.3 | 82.5 | 63.2 |
| Deformity or orthopedic impairment | 150.3 | 153.2 | 147.7 | 155.1 | 165.3 | 146.1 | 158.7 | 159.7 | 157.9 | 156.3 | 158.7 | 154.1 | 167.0 | 164.7 | 169.1 |
| Back | 87.7 | 83.1 | 91.7 | 84.3 | 91.2 | 78.2 | 93.1 | 89.2 | 96.5 | 91.2 | 87.9 | 94.3 | 97.7 | 94.5 | 100.6 |
| Upper extremities | 25.1 | 30.0 | 20.8 | 22.8 | 24.9 | 21.0 | 26.8 | 31.3 | 22.7 | 25.6 | 32.0 | 19.9 | 25.2 | 27.7 | 22.9 |
| Lower extremities | 58.7 | 63.7 | 54.4 | 66.7 | 74.0 | 60.3 | 61.9 | 66.0 | 58.1 | 59.4 | 62.3 | 56.7 | 66.3 | 66.8 | 65.8 |

Table 9. Average annual rate of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 65-74 years | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *4.0 | *8.0 | *1.0 | 5.2 | *5.0 | *5.4 | 4.4 | *4.9 | *4.0 | 4.0 | *4.6 | *3.5 | 3.3 | *4.4 | *2.3 |
| Other visual impairment | 69.2 | 79.3 | 61.5 | 62.0 | 79.3 | 48.3 | 58.2 | 73.1 | 46.3 | 55.1 | 68.9 | 43.9 | 56.4 | 76.4 | 40.3 |
| Cataract | 94.4 | 63.0 | 118.5 | 98.9 | 71.3 | 120.6 | 112.5 | 85.3 | 134.3 | 115.8 | 87.5 | 138.6 | 122.0 | 99.7 | 140.1 |
| Glaucoma | 32.2 | 37.9 | 27.8 | 34.3 | 31.9 | 36.3 | 38.9 | 38.0 | 39.6 | 43.7 | 40.0 | 46.6 | 43.2 | 44.8 | 41.9 |
| Diseases of retina | 15.5 | 14.5 | 16.2 | 10.6 | 9.4 | 11.6 | 18.5 | 19.9 | 17.3 | 18.8 | 18.7 | 18.9 | 18.7 | 17.6 | 19.5 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 23.6 | 37.2 | 13.3 | 21.3 | 29.0 | 15.2 | 19.4 | 26.4 | 13.8 | 18.7 | 24.5 | 14.0 | 17.7 | 24.1 | 12.6 |
| Other hearing impairment | 237.1 | 280.4 | 203.9 | 235.7 | 301.9 | 183.6 | 239.6 | 312.5 | 181.2 | 238.0 | 305.4 | 183.7 | 244.7 | 310.1 | 191.9 |
| Tinnitus | 83.9 | 87.7 | 81.0 | 93.2 | 100.6 | 87.5 | 86.7 | 94.8 | 80.2 | 88.7 | 101.8 | 78.1 | 91.6 | 105.2 | 80.5 |
| Deformity or orthopedic impairment | 165.3 | 147.6 | 178.8 | 160.3 | 139.0 | 177.1 | 153.7 | 146.6 | 159.4 | 159.0 | 153.7 | 163.3 | 165.6 | 158.6 | 171.4 |
| Back | 88.6 | 73.0 | 100.6 | 89.7 | 75.1 | 101.2 | 81.2 | 68.8 | 91.2 | 87.9 | 80.2 | 94.1 | 91.2 | 86.0 | 95.5 |
| Upper extremities | 26.6 | 28.4 | 25.3 | 19.0 | 14.6 | 22.4 | 23.5 | 26.0 | 21.5 | 25.5 | 29.4 | 22.3 | 28.9 | 32.2 | 26.2 |
| Lower extremities | 68.9 | 64.5 | 72.2 | 74.1 | 63.9 | 82.2 | 73.0 | 72.9 | 73.0 | 72.2 | 65.7 | 77.4 | 74.2 | 65.4 | 81.3 |
| 75-84 years | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *4.0 | *3.8 | *4.2 | 9.8 | *12.4 | *8.3 | 14.8 | *13.0 | 15.9 | 13.8 | *12.6 | 14.5 | 12.7 | *11.9 | 13.3 |
| Other visual impairment | 115.7 | 129.4 | 107.3 | 101.6 | 106.1 | 99.0 | 81.7 | 101.8 | 69.2 | 84.1 | 108.5 | 68.9 | 80.2 | 100.8 | 67.0 |
| Cataract | 217.8 | 162.6 | 251.4 | 233.7 | 160.8 | 227.8 | 221.0 | 149.2 | 265.6 | 228.6 | 167.5 | 267.0 | 223.2 | 166.9 | 259.3 |
| Glaucoma | 50.8 | *25.3 | 66.3 | 49.4 | 45.2 | 52.0 | 59.7 | 63.6 | 57.3 | 65.2 | 65.1 | 65.2 | 60.9 | 67.1 | 56.9 |
| Diseases of retina | 21.9 | *11.1 | 28.4 | 21.4 | 22.8 | 20.6 | 33.1 | 27.1 | 36.9 | 34.4 | 30.4 | 36.9 | 37.9 | 30.8 | 42.5 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 49.8 | 66.4 | 39.6 | 38.6 | 54.0 | 29.3 | 35.5 | 46.9 | 28.4 | 35.0 | 45.0 | 28.7 | 34.6 | 43.6 | 28.9 |
| Other hearing impairment | 311.6 | 355.4 | 284.9 | 290.5 | 330.7 | 266.2 | 312.5 | 348.3 | 290.3 | 328.2 | 375.1 | 298.8 | 339.3 | 394.0 | 304.1 |
| Tinnitus | 77.9 | 77.3 | 78.3 | 83.9 | 84.2 | 83.6 | 80.9 | 72.6 | 86.1 | 79.0 | 83.7 | 76.0 | 90.0 | 102.5 | 81.9 |
| Deformity or orthopedic impairment | 162.0 | 137.0 | 177.2 | 177.9 | 147.8 | 196.1 | 175.2 | 127.3 | 205.0 | 177.0 | 135.4 | 203.1 | 190.6 | 157.0 | 212.2 |
| Back | 84.7 | 52.3 | 104.0 | 88.9 | 65.9 | 102.9 | 93.8 | 50.9 | 120.4 | 92.4 | 52.6 | 117.5 | 100.1 | 65.7 | 122.1 |
| Upper extremities | 29.5 | 41.3 | 22.3 | 25.9 | 25.2 | 26.4 | 29.1 | 29.4 | 29.0 | 27.8 | 27.5 | 28.0 | 27.9 | 28.0 | 27.8 |
| Lower extremities | 67.8 | 59.5 | 72.8 | 91.7 | 81.0 | 98.2 | 74.7 | 66.1 | 80.1 | 77.4 | 69.5 | 82.4 | 91.6 | 79.2 | 99.6 |

Table 9. Average annual rate of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | 6.3 | 8.9 | *4.5 | 8.5 | 9.3 | 7.9 | 10.3 | 9.9 | 10.5 | 8.5 | 8.1 | 8.7 | 8.3 | 8.6 | 8.2 |
| Other visual impairment | 91.7 | 100.5 | 85.7 | 81.0 | 88.8 | 75.5 | 71.5 | 84.5 | 62.3 | 69.6 | 82.7 | 60.1 | 71.5 | 88.0 | 59.6 |
| Cataract | 149.3 | 103.9 | 180.6 | 155.7 | 106.8 | 190.0 | 159.4 | 111.3 | 193.6 | 161.3 | 116.9 | 193.1 | 164.3 | 126.5 | 191.5 |
| Glaucoma | 40.8 | 38.0 | 42.8 | 42.2 | 38.1 | 45.0 | 48.8 | 45.9 | 50.8 | 54.1 | 48.7 | 58.0 | 52.9 | 52.5 | 53.1 |
| Diseases of retina | 18.4 | 14.0 | 21.4 | 14.9 | 14.1 | 15.4 | 24.8 | 24.1 | 25.4 | 25.2 | 22.8 | 26.9 | 27.5 | 23.3 | 30.5 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 38.3 | 47.7 | 31.8 | 33.0 | 43.6 | 25.6 | 30.1 | 38.1 | 24.3 | 28.6 | 36.8 | 22.8 | 28.5 | 34.2 | 24.4 |
| Other hearing impairment | 270.4 | 210.9 | 242.5 | 262.6 | 316.7 | 224.7 | 277.8 | 329.7 | 240.9 | 281.2 | 331.6 | 245.2 | 292.4 | 343.1 | 256.0 |
| Tinnitus | 78.9 | 81.8 | 76.8 | 87.4 | 93.8 | 83.0 | 83.2 | 86.1 | 81.2 | 82.7 | 92.2 | 76.0 | 88.0 | 99.8 | 79.5 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 167.6 | 146.4 | 182.1 | 169.6 | 143.5 | 187.9 | 163.7 | 140.3 | 180.2 | 169.2 | 148.8 | 183.7 | 179.2 | 158.6 | 194.1 |
| Upper extremities | 86.5 | 68.0 | 99.3 | 90.5 | 72.2 | 103.3 | 85.3 | 62.9 | 101.2 | 90.4 | 71.8 | 103.7 | 96.3 | 79.8 | 108.2 |
| Lower extremities | 28.6 | 32.4 | 26.0 | 20.6 | 17.1 | 23.1 | 25.2 | 27.0 | 24.0 | 26.2 | 28.7 | 24.5 | 28.4 | 31.4 | 26.2 |
| | 71.4 | 64.0 | 76.5 | 82.5 | 70.9 | 90.6 | 76.2 | 70.5 | 80.3 | 76.6 | 67.2 | 83.3 | 82.2 | 68.8 | 91.9 |
| 75 years and over | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | 10.1 | *10.8 | *9.7 | 13.7 | *17.6 | 11.4 | 19.4 | 19.4 | 19.4 | 15.3 | 14.4 | 15.8 | 16.1 | 16.1 | 16.1 |
| Other visual impairment | 128.4 | 141.3 | 120.9 | 111.6 | 107.1 | 114.2 | 92.4 | 106.1 | 84.3 | 91.9 | 108.4 | 82.2 | 94.4 | 109.3 | 85.5 |
| Cataract | 238.6 | 182.8 | 270.8 | 246.9 | 175.3 | 288.4 | 232.7 | 160.3 | 275.2 | 231.8 | 171.5 | 267.3 | 228.9 | 175.5 | 260.6 |
| Glaucoma | 54.9 | 38.4 | 64.5 | 54.8 | 50.2 | 57.5 | 64.2 | 60.8 | 66.2 | 70.2 | 64.7 | 73.4 | 67.6 | 66.6 | 68.2 |
| Diseases of retina | 23.1 | *13.0 | 28.9 | 21.8 | 23.3 | 20.9 | 34.7 | 31.8 | 36.4 | 35.0 | 30.3 | 37.8 | 40.9 | 33.8 | 45.1 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 62.1 | 68.0 | 58.7 | 51.9 | 71.8 | 40.3 | 46.8 | 60.3 | 38.9 | 44.0 | 59.6 | 34.8 | 44.9 | 52.8 | 40.3 |
| Other hearing impairment | 324.7 | 369.9 | 298.6 | 305.9 | 345.2 | 283.0 | 337.4 | 362.0 | 323.0 | 348.0 | 380.3 | 328.9 | 365.1 | 403.4 | 342.3 |
| Tinnitus | 70.7 | 70.6 | 70.7 | 78.0 | 80.6 | 76.5 | 77.8 | 69.6 | 82.6 | 73.5 | 74.3 | 73.0 | 82.5 | 89.9 | 78.0 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 171.3 | 144.2 | 187.0 | 184.4 | 152.2 | 20.3 | 179.2 | 128.6 | 208.9 | 184.9 | 139.8 | 211.5 | 199.9 | 158.5 | 224.5 |
| Upper extremities | 83.1 | 58.5 | 97.3 | 91.9 | 66.7 | 106.4 | 91.6 | 51.9 | 114.9 | 94.4 | 56.1 | 116.9 | 104.1 | 68.5 | 125.2 |
| Lower extremities | 31.8 | 40.1 | 27.0 | 23.3 | 21.8 | 24.1 | 27.9 | 28.8 | 27.4 | 27.4 | 27.5 | 27.3 | 27.6 | 30.0 | 26.2 |
| | 75.5 | 63.0 | 82.8 | 95.9 | 84.5 | 102.4 | 81.3 | 65.8 | 90.4 | 83.3 | 70.0 | 91.2 | 94.5 | 74.8 | 106.2 |

Table 9. Average annual rate of selected respondent-reported impairments, by sex, age, and type of impairment: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|--------|--------|------------|--------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Visual problems: ¹ | | | | | | | | | | | | | | | |
| Blind, both eyes | *36.1 | *46.5 | *31.3 | *29.6 | *42.9 | *23.2 | 38.2 | *51.2 | 32.2 | *21.4 | *23.6 | *20.4 | 29.2 | *36.8 | *25.9 |
| Other visual impairment | 182.6 | 202.0 | 173.6 | 153.0 | 112.4 | 142.5 | 136.4 | 127.9 | 140.3 | 123.5 | 108.1 | 130.5 | 149.5 | 151.6 | 148.6 |
| Cataract | 327.4 | 286.3 | 346.4 | 302.0 | 245.5 | 329.2 | 280.9 | 215.6 | 310.8 | 244.4 | 191.6 | 268.4 | 250.9 | 218.3 | 265.1 |
| Glaucoma | 72.4 | *105.0 | *57.3 | 77.2 | *74.4 | 78.6 | 82.6 | *47.0 | 98.9 | 90.6 | *62.7 | 103.2 | 93.5 | *64.1 | 106.3 |
| Diseases of retina | *28.3 | *22.8 | *30.9 | *23.3 | *25.9 | *22.0 | 41.2 | *55.7 | 34.6 | 37.6 | *30.1 | 41.1 | 52.5 | *48.9 | 54.1 |
| Hearing problems: ¹ | | | | | | | | | | | | | | | |
| Deaf, both ears | 114.9 | *76.0 | 132.8 | 107.1 | 157.9 | 82.6 | 93.3 | 127.2 | 77.8 | 80.5 | 132.8 | 56.8 | 84.9 | 98.8 | 78.8 |
| Other hearing impairment | 380.8 | 443.7 | 351.7 | 369.6 | 415.6 | 347.6 | 440.0 | 431.1 | 444.1 | 428.0 | 406.3 | 437.8 | 465.2 | 450.3 | 471.6 |
| Tinnitus | *39.7 | *36.2 | *41.3 | 53.7 | *62.9 | *49.3 | 65.0 | *54.7 | 69.7 | 51.2 | *27.3 | 62.0 | 53.5 | *27.1 | 64.9 |
| Deformity or orthopedic impairment | 211.0 | 181.2 | 224.8 | 211.6 | 173.2 | 230.0 | 195.8 | 135.3 | 223.5 | 216.8 | 161.7 | 241.8 | 236.2 | 166.5 | 266.6 |
| Back | 76.2 | *87.5 | 71.0 | 104.0 | *70.6 | 120.0 | 82.7 | *57.0 | 94.5 | 102.1 | 73.9 | 114.9 | 119.6 | 82.4 | 135.7 |
| Upper extremities | *41.7 | *34.1 | *45.2 | *12.3 | *5.5 | *15.5 | 23.0 | *26.1 | *21.6 | 25.6 | *27.0 | *24.9 | 26.6 | *40.1 | *20.8 |
| Lower extremities | 108.6 | *81.0 | 121.3 | 113.1 | *101.4 | 118.7 | 108.5 | *64.4 | 128.7 | 107.3 | 72.6 | 123.1 | 105.6 | *52.8 | 128.6 |

¹A person may be counted more than once depending upon hearing or visual problem.

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 10. Average annual number of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Number of impairments in thousands | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | 383 | 328 | *47 | 487 | 430 | *52 | 549 | 471 | 73 | 485 | 420 | 64 | 550 | 480 | 69 |
| Other visual impairment | 7,857 | 6,895 | 823 | 7,773 | 6,844 | 753 | 7,374 | 6,574 | 669 | 7,313 | 6,420 | 750 | 7,612 | 6,626 | 823 |
| Cataract | 7,984 | 4,560 | 341 | 5,481 | 4,912 | 453 | 5,910 | 5,361 | 491 | 6,070 | 5,500 | 521 | 6,411 | 5,758 | 574 |
| Glaucoma | 1,649 | 1,381 | 251 | 1,896 | 1,587 | 262 | 2,131 | 1,775 | 345 | 2,369 | 1,992 | 358 | 2,431 | 2,052 | 341 |
| Diseases of retina | 833 | 780 | *43 | 776 | 740 | *17 | 1,229 | 1,177 | *46 | 1,217 | 1,161 | *50 | 1,293 | 1,236 | *45 |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 1,761 | 1,677 | *64 | 1,600 | 1,492 | 69 | 1,404 | 1,347 | *45 | 1,338 | 1,292 | *38 | 1,464 | 1,386 | 64 |
| Other hearing impairment | 18,793 | 17,111 | 1,358 | 19,373 | 17,646 | 1,307 | 20,396 | 18,645 | 1,376 | 20,734 | 18,786 | 1,460 | 21,786 | 19,734 | 1,573 |
| Tinnitus | 5,394 | 4,907 | 407 | 6,259 | 5,735 | 441 | 6,458 | 5,796 | 525 | 6,501 | 5,763 | 563 | 7,139 | 6,364 | 618 |
| Deformity or orthopedic impairment | 23,316 | 20,623 | 2,261 | 27,139 | 24,133 | 2,472 | 27,922 | 24,651 | 2,611 | 28,537 | 25,248 | 2,582 | 29,718 | 26,153 | 2,810 |
| Back | 13,553 | 12,109 | 1,206 | 15,433 | 13,875 | 1,276 | 16,453 | 14,791 | 1,268 | 17,208 | 15,462 | 1,284 | 17,881 | 15,989 | 1,409 |
| Upper extremities | 3,123 | 2,790 | 270 | 3,082 | 2,704 | 271 | 3,431 | 3,043 | 323 | 3,481 | 3,065 | 349 | 3,804 | 3,330 | 375 |
| Lower extremities | 9,156 | 7,839 | 1,130 | 11,699 | 10,263 | 1,202 | 11,288 | 9,737 | 1,300 | 11,207 | 9,731 | 1,236 | 11,792 | 10,099 | 1,438 |
| 55-64 years | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind both eyes | *54 | *54 | - | *57 | *46 | *11 | *42 | *38 | *4 | *43 | *33 | *10 | *47 | *32 | *15 |
| Other visual impairment | 1,167 | 983 | 176 | 1,071 | 942 | 111 | 1,029 | 875 | 123 | 1,013 | 866 | 116 | 1,040 | 889 | 108 |
| Cataract | 677 | 897 | *56 | 739 | 645 | *54 | 698 | 609 | 77 | 688 | 592 | 80 | 816 | 695 | 110 |
| Glaucoma | 306 | 219 | 83 | 393 | 307 | *65 | 385 | 298 | 75 | 361 | 277 | 77 | 382 | 301 | 69 |
| Diseases of retina | 118 | 114 | *4 | 118 | 113 | - | 147 | 140 | *7 | 132 | 128 | *4 | 130 | 130 | - |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 344 | 331 | *10 | 271 | 235 | *8 | 200 | 182 | *9 | 206 | 197 | - | 245 | 232 | *2 |
| Other hearing impairment | 3,645 | 3,379 | 222 | 3,751 | 3,437 | 257 | 3,675 | 3,368 | 244 | 3,617 | 3,286 | 251 | 3,721 | 3,370 | 260 |
| Tinnitus | 1,227 | 1,167 | *44 | 1,383 | 1,262 | 113 | 1,416 | 1,264 | 105 | 1,398 | 1,256 | 93 | 1,531 | 1,388 | 89 |
| Deformity or orthopedic impairment | 3,304 | 2,909 | 345 | 3,413 | 3,012 | 341 | 3,404 | 2,972 | 339 | 3,326 | 2,918 | 311 | 3,535 | 3,067 | 353 |
| Back | 1,928 | 1,699 | 210 | 1,854 | 1,628 | 210 | 1,996 | 1,777 | 171 | 1,942 | 1,738 | 156 | 2,069 | 1,823 | 185 |
| Upper extremities | 552 | 484 | *64 | 502 | 418 | *64 | 575 | 510 | 55 | 545 | 487 | *44 | 533 | 476 | *41 |
| Lower extremities | 1,292 | 1,093 | 164 | 1,468 | 1,295 | 135 | 1,326 | 1,138 | 157 | 1,264 | 1,081 | 147 | 1,404 | 1,193 | 177 |

Table 10. Average annual number of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 65-74 years | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | *64 | *55 | *10 | 89 | 79 | *10 | 79 | 65 | *14 | 73 | 64 | *9 | 59 | 55 | *5 |
| Other visual impairment | 1,111 | 979 | 121 | 1,054 | 943 | 88 | 1,038 | 934 | 90 | 995 | 888 | 91 | 1,032 | 944 | 79 |
| Cataract | 1,516 | 1,394 | 117 | 1,681 | 1,475 | 167 | 2,006 | 1,842 | 145 | 2,093 | 1,919 | 155 | 2,231 | 2,065 | 147 |
| Glaucoma | 517 | 459 | *54 | 584 | 503 | 72 | 693 | 557 | 136 | 789 | 644 | 145 | 790 | 641 | 138 |
| Diseases of retina | 248 | 239 | *6 | 180 | 177 | *3 | 330 | 317 | *9 | 340 | 324 | *12 | 341 | 328 | *10 |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 380 | 369 | *6 | 361 | 242 | *15 | 346 | 342 | *4 | 337 | 337 | — | 324 | 322 | *2 |
| Other hearing impairment | 3,807 | 3,507 | 283 | 4,006 | 3,639 | 279 | 4,273 | 3,984 | 230 | 4,302 | 3,984 | 249 | 4,476 | 4,165 | 238 |
| Tinnitus | 1,347 | 1,221 | 112 | 1,585 | 1,466 | 97 | 1,546 | 1,461 | 76 | 1,603 | 1,499 | 87 | 1,675 | 1,567 | 95 |
| Deformity or orthopedic impairment | 2,653 | 2,355 | 261 | 2,725 | 2,468 | 219 | 2,741 | 2,508 | 198 | 2,874 | 2,605 | 225 | 3,030 | 2,756 | 220 |
| Back | 1,423 | 1,300 | 109 | 1,524 | 1,390 | 103 | 1,448 | 1,340 | 97 | 1,588 | 1,467 | 94 | 1,669 | 1,535 | 98 |
| Upper extremities | 428 | 356 | *61 | 323 | 297 | *22 | 419 | 383 | *31 | 460 | 407 | *49 | 528 | 483 | *36 |
| Lower extremities | 1,105 | 969 | 119 | 1,260 | 1,104 | 140 | 1,301 | 1,174 | 107 | 1,305 | 1,160 | 122 | 1,357 | 1,225 | 108 |
| 75-84 years | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | *32 | *25 | *3 | 84 | 79 | *5 | 136 | 109 | *23 | 129 | 108 | *21 | 122 | 105 | *16 |
| Other visual impairment | 924 | 814 | 97 | 867 | 754 | 81 | 749 | 680 | 51 | 789 | 708 | 60 | 765 | 691 | 64 |
| Cataract | 1,739 | 1,615 | 90 | 1,994 | 1,831 | 137 | 2,026 | 1,847 | 160 | 2,143 | 1,959 | 173 | 2,129 | 1,919 | 186 |
| Glaucoma | 406 | 354 | *44 | 421 | 383 | *38 | 548 | 476 | 71 | 611 | 528 | 80 | 581 | 503 | 71 |
| Diseases of retina | 174 | 170 | *5 | 183 | 172 | *1 | 304 | 300 | — | 322 | 319 | — | 362 | 358 | — |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 397 | 378 | *15 | 329 | 317 | *8 | 326 | 306 | *15 | 328 | 312 | *16 | 331 | 304 | *26 |
| Other hearing impairment | 2,488 | 2,239 | 194 | 2,479 | 2,307 | 146 | 2,866 | 2,658 | 181 | 3,077 | 2,852 | 192 | 3,237 | 2,977 | 235 |
| Tinnitus | 622 | 571 | *51 | 716 | 666 | *43 | 742 | 686 | 56 | 740 | 672 | 65 | 858 | 785 | 70 |
| Deformity or orthopedic impairment | 1,294 | 1,158 | 114 | 1,518 | 1,419 | 82 | 1,606 | 1,488 | 106 | 1,659 | 1,531 | 114 | 1,818 | 1,648 | 141 |
| Back | 676 | 596 | *68 | 759 | 710 | *46 | 860 | 825 | *32 | 866 | 828 | *35 | 955 | 890 | *51 |
| Upper extremities | 235 | 219 | *7 | 221 | 214 | *8 | 267 | 234 | *30 | 261 | 230 | *24 | 266 | 235 | *22 |
| Lower extremities | 541 | 484 | *54 | 782 | 731 | *37 | 685 | 617 | 60 | 726 | 655 | 62 | 874 | 773 | 87 |

Table 10. Average annual number of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 65 years and over | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | 164 | 137 | *22 | 233 | 208 | *20 | 300 | 249 | *47 | 252 | 215 | *37 | 253 | 225 | *28 |
| Other visual impairment | 2,375 | 2,101 | 249 | 2,234 | 2,002 | 177 | 2,090 | 1,894 | 162 | 2,070 | 1,857 | 176 | 2,165 | 1,952 | 180 |
| Cataract | 3,867 | 3,578 | 245 | 4,294 | 3,895 | 335 | 4,658 | 4,276 | 344 | 4,802 | 4,400 | 369 | 4,978 | 4,524 | 390 |
| Glaucoma | 1,058 | 948 | 97 | 1,163 | 1,039 | 116 | 1,425 | 1,194 | 231 | 1,610 | 1,361 | 242 | 1,601 | 1,355 | 224 |
| Diseases of retina | 476 | 461 | *11 | 411 | 397 | *4 | 725 | 709 | *9 | 749 | 730 | *12 | 832 | 815 | *10 |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 991 | 943 | *39 | 910 | 870 | *32 | 879 | 851 | *24 | 852 | 831 | *21 | 863 | 826 | *37 |
| Other hearing impairment | 7,005 | 6,402 | 522 | 7,243 | 6,669 | 444 | 8,119 | 7,532 | 476 | 8,370 | 7,725 | 504 | 8,856 | 8,180 | 551 |
| Tinnitus | 2,043 | 1,859 | 170 | 2,411 | 2,242 | 140 | 2,433 | 2,281 | 138 | 2,462 | 2,283 | 154 | 2,664 | 2,473 | 175 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 4,341 | 3,867 | 416 | 4,677 | 4,302 | 320 | 4,783 | 4,406 | 326 | 5,035 | 4,595 | 365 | 5,429 | 4,929 | 397 |
| Upper extremities | 2,241 | 2,020 | 196 | 2,496 | 2,305 | 158 | 2,492 | 2,336 | 138 | 2,691 | 2,505 | 141 | 2,917 | 2,694 | 153 |
| Lower extremities | 741 | 649 | *72 | 569 | 531 | *35 | 737 | 661 | 64 | 780 | 690 | 75 | 859 | 780 | 61 |
| | 1,849 | 1,629 | 200 | 2,274 | 2,063 | 182 | 2,228 | 2,018 | 177 | 2,279 | 2,045 | 198 | 2,491 | 2,236 | 217 |
| 75 years and over | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | 100 | 83 | *13 | 145 | 130 | *10 | 221 | 184 | *33 | 179 | 151 | *28 | 193 | 170 | *23 |
| Other visual impairment | 1,264 | 1,123 | 129 | 1,181 | 1,059 | 89 | 1,053 | 959 | 72 | 1,075 | 969 | 85 | 1,133 | 1,008 | 101 |
| Cataract | 2,350 | 2,184 | 127 | 2,613 | 2,420 | 167 | 2,652 | 2,434 | 199 | 2,709 | 2,480 | 213 | 2,746 | 2,459 | 243 |
| Glaucoma | 541 | 489 | *44 | 580 | 536 | *44 | 732 | 637 | 95 | 820 | 717 | 97 | 811 | 714 | 86 |
| Diseases of retina | 227 | 222 | *5 | 230 | 220 | *1 | 396 | 392 | - | 410 | 406 | - | 491 | 487 | - |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 612 | 574 | *33 | 549 | 528 | *17 | 534 | 509 | *20 | 514 | 493 | *21 | 539 | 504 | *35 |
| Other hearing impairment | 3,198 | 2,895 | 239 | 3,236 | 3,030 | 165 | 3,846 | 3,548 | 247 | 4,068 | 3,741 | 255 | 4,380 | 4,015 | 313 |
| Tinnitus | 696 | 638 | *58 | 826 | 776 | *43 | 887 | 821 | 62 | 859 | 784 | 67 | 990 | 906 | 80 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 1,687 | 1,511 | 155 | 1,951 | 1,834 | 100 | 2,043 | 1,899 | 128 | 2,161 | 1,990 | 141 | 2,399 | 2,173 | 177 |
| Upper extremities | 818 | 720 | 86 | 972 | 915 | *54 | 1,044 | 996 | *41 | 1,103 | 1,037 | *47 | 1,249 | 1,159 | 56 |
| Lower extremities | 313 | 293 | *10 | 247 | 233 | *13 | 318 | 278 | *33 | 320 | 283 | *26 | 331 | 297 | *25 |
| | 744 | 659 | 81 | 1,014 | 958 | *42 | 927 | 844 | 70 | 974 | 885 | 76 | 1,134 | 1,011 | 109 |

¹Data include races other than white and black.

²A person may be counted more than once depending upon hearing or visual problem.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 11. Average annual rate of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | 1.7 | 1.7 | *1.7 | 2.1 | 2.1 | *1.8 | 2.3 | 2.3 | 2.4 | 2.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.2 |
| Other visual impairment | 34.3 | 35.2 | 30.1 | 32.9 | 34.1 | 26.4 | 30.3 | 32.0 | 22.4 | 29.7 | 31.0 | 24.7 | 30.6 | 31.8 | 26.6 |
| Cataract | 21.7 | 23.3 | 12.5 | 23.2 | 24.5 | 15.9 | 24.3 | 26.1 | 16.4 | 24.7 | 26.6 | 17.2 | 25.8 | 27.6 | 18.6 |
| Glaucoma | 7.2 | 7.0 | 9.2 | 8.0 | 7.9 | 9.6 | 8.8 | 8.6 | 11.5 | 9.6 | 9.6 | 11.8 | 9.8 | 9.9 | 11.0 |
| Diseases of retina | 3.6 | 4.0 | *1.6 | 3.3 | 3.7 | *0.6 | 5.0 | 5.7 | *1.5 | 4.9 | 5.6 | *1.6 | 5.2 | 5.9 | *1.5 |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 7.7 | 8.6 | *2.3 | 6.9 | 7.4 | 2.4 | 5.8 | 6.6 | *1.5 | 5.4 | 6.2 | *1.3 | 5.9 | 6.7 | 2.1 |
| Other hearing impairment | 81.9 | 87.3 | 49.7 | 82.0 | 88.0 | 45.8 | 83.8 | 90.8 | 46.1 | 84.2 | 90.8 | 48.0 | 87.6 | 94.8 | 50.9 |
| Tinnitus | 23.5 | 25.0 | 14.9 | 26.5 | 28.6 | 15.5 | 26.5 | 28.2 | 17.6 | 26.4 | 27.9 | 18.5 | 28.7 | 30.6 | 20.0 |
| Deformity or orthopedic impairment | 101.7 | 105.2 | 82.8 | 114.9 | 120.4 | 86.6 | 114.7 | 120.1 | 87.4 | 116.0 | 122.0 | 85.0 | 119.5 | 125.6 | 90.9 |
| Back | 59.1 | 61.7 | 44.1 | 65.3 | 69.2 | 44.7 | 67.7 | 72.1 | 42.4 | 69.9 | 74.7 | 42.2 | 71.9 | 76.8 | 45.6 |
| Upper extremities | 13.6 | 14.2 | 9.9 | 13.0 | 13.5 | 9.5 | 14.1 | 14.8 | 10.8 | 14.1 | 14.8 | 11.5 | 15.3 | 16.0 | 12.1 |
| Lower extremities | 39.9 | 40.0 | 41.4 | 49.5 | 51.2 | 42.1 | 46.4 | 47.4 | 43.5 | 45.5 | 47.0 | 40.7 | 47.4 | 48.5 | 46.5 |
| 55-64 years | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | *2.4 | *2.7 | *- | *2.6 | *2.4 | *5.4 | *1.9 | *2.0 | *1.9 | *2.0 | *1.8 | *4.6 | *2.2 | *1.8 | *6.9 |
| Other visual impairment | 53.1 | 49.9 | 90.0 | 48.7 | 48.2 | 53.4 | 48.0 | 46.6 | 57.8 | 47.6 | 46.6 | 54.1 | 49.1 | 48.4 | 50.1 |
| Cataract | 30.8 | 30.3 | *28.5 | 33.6 | 33.1 | *25.9 | 32.6 | 32.5 | 36.4 | 32.3 | 31.9 | 37.4 | 38.6 | 37.8 | 50.8 |
| Glaucoma | 13.9 | 11.1 | 42.4 | 17.9 | 15.8 | *31.5 | 17.9 | 15.9 | 35.5 | 17.0 | 14.9 | 35.9 | 18.0 | 16.4 | 31.9 |
| Diseases of retina | 5.4 | 5.8 | *1.9 | 5.4 | 5.8 | *- | 6.9 | 7.5 | *3.3 | 6.2 | 6.9 | *1.7 | 6.1 | 7.1 | *- |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 15.7 | 16.8 | *5.0 | 12.3 | 12.1 | *3.8 | 9.3 | 9.7 | *4.3 | 9.7 | 10.6 | *- | 11.6 | 12.6 | *0.9 |
| Other hearing impairment | 165.8 | 171.7 | 113.3 | 170.5 | 176.4 | 123.6 | 171.4 | 179.5 | 114.8 | 169.9 | 177.0 | 117.4 | 175.8 | 183.6 | 120.6 |
| Tinnitus | 55.8 | 59.3 | *22.4 | 62.9 | 64.8 | 54.4 | 66.0 | 67.3 | 49.6 | 65.7 | 67.7 | 43.7 | 72.3 | 75.6 | 41.5 |
| Deformity or orthopedic impairment | 150.3 | 147.8 | 176.1 | 155.1 | 154.6 | 164.1 | 158.7 | 158.4 | 159.8 | 156.3 | 157.2 | 145.4 | 167.0 | 167.1 | 163.9 |
| Back | 87.7 | 86.3 | 107.5 | 84.3 | 83.6 | 101.2 | 93.1 | 94.7 | 80.3 | 91.2 | 93.6 | 72.8 | 97.7 | 99.3 | 86.0 |
| Upper extremities | 25.1 | 24.6 | *32.7 | 22.8 | 21.5 | *30.6 | 26.8 | 27.2 | 25.8 | 25.6 | 26.2 | *20.8 | 25.2 | 25.9 | *19.2 |
| Lower extremities | 58.7 | 55.5 | 83.8 | 66.7 | 66.5 | 65.0 | 61.9 | 60.6 | 73.8 | 59.4 | 58.3 | 68.7 | 66.3 | 65.0 | 82.1 |

Table 11. Average annual rate of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------------------|-------|--------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 65-74 years | | | | | | | | | | | | | | | |
| Visual problems:² | | | | | | | | | | | | | | | |
| Blind, both eyes | *4.0 | *3.8 | *7.0 | 5.2 | 5.1 | *6.9 | 4.4 | 4.1 | *8.9 | 4.0 | 4.0 | *5.7 | 3.3 | 3.4 | *2.8 |
| Other visual impairment | 69.2 | 67.5 | 89.2 | 62.0 | 61.7 | 60.1 | 58.2 | 58.5 | 58.3 | 55.1 | 54.9 | 57.4 | 56.4 | 57.9 | 49.2 |
| Cataract | 94.4 | 96.3 | 86.8 | 98.9 | 96.5 | 114.7 | 112.5 | 115.3 | 94.1 | 115.8 | 118.7 | 98.6 | 122.0 | 126.6 | 91.6 |
| Glaucoma | 32.2 | 31.7 | *39.6 | 34.3 | 32.9 | 49.6 | 38.9 | 34.9 | 88.1 | 43.7 | 39.8 | 92.2 | 43.2 | 39.3 | 85.8 |
| Diseases of retina | 15.5 | 16.5 | *4.4 | 10.6 | 11.6 | *2.1 | 18.5 | 19.8 | *6.1 | 18.8 | 20.0 | *7.9 | 18.7 | 20.1 | *6.5 |
| Hearing problems:² | | | | | | | | | | | | | | | |
| Deaf, both ears | 23.6 | 25.5 | *4.6 | 21.3 | 22.4 | *10.1 | 19.4 | 21.4 | *2.6 | 18.7 | 20.9 | *- | 17.7 | 19.7 | *1.4 |
| Other hearing impairment | 237.1 | 242.1 | 209.1 | 235.7 | 238.2 | 191.1 | 239.6 | 249.3 | 148.6 | 238.0 | 246.3 | 157.6 | 244.7 | 255.4 | 147.9 |
| Tinnitus | 83.9 | 84.3 | 83.0 | 93.2 | 96.0 | 66.2 | 86.7 | 91.4 | 48.9 | 88.7 | 92.7 | 55.1 | 91.6 | 96.1 | 59.1 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 88.6 | 89.7 | 80.9 | 89.7 | 91.0 | 70.9 | 81.2 | 83.9 | 62.8 | 87.9 | 90.7 | 59.5 | 91.2 | 94.1 | 60.6 |
| Upper extremities | 26.6 | 24.6 | *45.4 | 19.0 | 19.5 | *14.8 | 23.5 | 23.9 | *20.3 | 25.5 | 25.1 | *31.2 | 28.9 | 29.6 | *22.6 |
| Lower extremities | 68.9 | 66.9 | 87.9 | 74.1 | 72.3 | 96.1 | 73.0 | 73.5 | 69.4 | 72.2 | 71.7 | 77.1 | 74.2 | 75.1 | 67.1 |
| 75-84 years | | | | | | | | | | | | | | | |
| Visual problems:² | | | | | | | | | | | | | | | |
| Blind, both eyes | *4.0 | *3.4 | *5.2 | 9.8 | 10.2 | *7.7 | 14.8 | 13.1 | *31.2 | 13.8 | 12.8 | *27.5 | 12.7 | 12.2 | *21.6 |
| Other visual impairment | 115.7 | 112.5 | 148.1 | 101.6 | 97.7 | 116.1 | 81.7 | 81.8 | 70.1 | 84.1 | 83.4 | 79.8 | 80.2 | 79.9 | 84.4 |
| Cataract | 217.8 | 223.0 | 138.2 | 233.7 | 237.2 | 198.1 | 221.0 | 222.2 | 218.8 | 228.6 | 230.6 | 229.9 | 223.2 | 221.9 | 246.3 |
| Glaucoma | 50.8 | 48.8 | *67.3 | 49.4 | 49.7 | *54.7 | 59.7 | 57.3 | 97.4 | 65.2 | 62.1 | 105.9 | 60.9 | 58.2 | 93.3 |
| Diseases of retina | 21.9 | 23.4 | *7.6 | 21.4 | 22.3 | *1.9 | 33.1 | 36.1 | *- | 34.4 | 37.6 | *- | 37.9 | 41.4 | *- |
| Hearing problems:² | | | | | | | | | | | | | | | |
| Deaf, both ears | 49.8 | 52.2 | *22.7 | 38.6 | 41.1 | *12.0 | 35.5 | 36.8 | *21.1 | 35.0 | 36.7 | *21.5 | 34.6 | 35.2 | *34.9 |
| Other hearing impairment | 311.6 | 309.2 | 297.3 | 290.5 | 298.9 | 209.9 | 312.5 | 319.8 | 247.4 | 328.2 | 335.8 | 254.4 | 339.3 | 344.2 | 309.8 |
| Tinnitus | 77.9 | 78.9 | *78.5 | 83.9 | 86.2 | *62.2 | 80.9 | 82.6 | 76.7 | 79.0 | 79.1 | 86.4 | 90.0 | 90.8 | 92.0 |
| Deformity or orthopedic impairment | | | | | | | | | | | | | | | |
| Back | 84.7 | 82.3 | *104.7 | 88.9 | 91.9 | *66.8 | 93.8 | 99.3 | *43.4 | 92.4 | 97.5 | *46.8 | 100.1 | 102.9 | *66.8 |
| Upper extremities | 29.5 | 30.2 | *11.3 | 25.9 | 27.7 | *10.9 | 29.1 | 28.1 | *41.1 | 27.8 | 27.1 | *31.8 | 27.9 | 27.2 | *28.7 |
| Lower extremities | 67.8 | 66.8 | *82.9 | 91.7 | 94.7 | *53.5 | 74.7 | 74.2 | 82.1 | 77.4 | 77.1 | 82.7 | 91.6 | 89.4 | 115.4 |

Table 11. Average annual rate of selected respondent-reported impairments, by race, age, and type of impairment: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of impairment | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 65 years and over | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | 6.3 | 5.9 | *10.3 | 8.5 | 8.4 | *8.6 | 10.3 | 9.5 | *19.0 | 8.5 | 8.0 | *14.6 | 8.3 | 8.3 | *10.9 |
| Other visual impairment | 91.7 | 89.7 | 116.3 | 81.0 | 80.5 | 76.7 | 71.5 | 72.0 | 66.0 | 69.6 | 69.4 | 70.1 | 71.5 | 71.8 | 70.4 |
| Cataract | 149.3 | 152.7 | 114.0 | 155.7 | 156.6 | 145.3 | 159.4 | 162.6 | 140.4 | 161.3 | 164.4 | 147.0 | 164.3 | 166.5 | 152.1 |
| Glaucoma | 40.8 | 40.4 | 45.5 | 42.2 | 41.8 | 50.3 | 48.8 | 45.4 | 94.3 | 54.1 | 50.8 | 96.5 | 52.9 | 49.9 | 87.4 |
| Diseases of retina | 18.4 | 19.7 | *5.1 | 14.9 | 16.0 | *1.9 | 24.8 | 27.0 | *3.9 | 25.2 | 27.3 | *5.0 | 27.5 | 30.0 | *4.1 |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 38.3 | 40.2 | *18.3 | 33.0 | 35.0 | *13.9 | 30.1 | 32.3 | *9.8 | 28.6 | 31.0 | *8.3 | 28.5 | 30.4 | *14.6 |
| Other hearing impairment | 270.4 | 273.1 | 243.2 | 262.6 | 268.2 | 192.8 | 277.8 | 286.3 | 194.1 | 281.2 | 288.6 | 200.9 | 292.4 | 301.0 | 214.9 |
| Tinnitus | 78.9 | 79.3 | 79.4 | 87.4 | 90.1 | 60.7 | 83.2 | 86.7 | 56.1 | 82.7 | 85.3 | 61.5 | 88.0 | 91.0 | 68.3 |
| Deformity or orthopedic impairment | 167.6 | 165.0 | 194.0 | 169.6 | 173.0 | 138.7 | 163.7 | 167.5 | 132.8 | 169.2 | 171.7 | 145.7 | 179.2 | 181.4 | 154.8 |
| Back | 86.5 | 86.2 | 91.3 | 90.5 | 92.7 | 68.4 | 85.3 | 88.8 | 56.2 | 90.4 | 93.6 | 56.0 | 96.3 | 99.1 | 59.8 |
| Upper extremities | 28.6 | 27.7 | *33.4 | 20.6 | 21.3 | *15.1 | 25.2 | 25.1 | 26.1 | 26.2 | 25.8 | 30.0 | 28.4 | 28.7 | 24.0 |
| Lower extremities | 71.4 | 69.5 | 93.3 | 82.5 | 82.9 | 79.0 | 76.2 | 76.7 | 72.3 | 76.6 | 76.4 | 78.8 | 82.2 | 82.3 | 84.6 |
| 75 years and over | | | | | | | | | | | | | | | |
| Visual problems: ² | | | | | | | | | | | | | | | |
| Blind, both eyes | 10.1 | 9.2 | *16.0 | 13.7 | 13.5 | *11.5 | 19.4 | 17.8 | *36.1 | 15.3 | 14.2 | *29.9 | 16.1 | 15.6 | *24.6 |
| Other visual impairment | 128.4 | 125.4 | 162.6 | 111.6 | 110.5 | 105.3 | 92.4 | 92.9 | 79.2 | 91.9 | 91.4 | 91.7 | 94.4 | 92.8 | 106.1 |
| Cataract | 238.6 | 244.0 | 160.6 | 246.9 | 252.3 | 198.1 | 232.7 | 235.7 | 219.1 | 231.8 | 234.2 | 229.0 | 228.9 | 226.2 | 254.2 |
| Glaucoma | 54.9 | 54.6 | *55.4 | 54.8 | 55.9 | *51.5 | 64.2 | 61.6 | 104.8 | 70.2 | 27.6 | 103.8 | 67.6 | 65.7 | 90.1 |
| Diseases of retina | 23.1 | 24.8 | *6.3 | 21.8 | 22.9 | *1.6 | 34.7 | 38.0 | *- | 35.0 | 38.3 | *- | 40.9 | 44.8 | *- |
| Hearing problems: ² | | | | | | | | | | | | | | | |
| Deaf, both ears | 62.1 | 64.1 | *41.8 | 51.9 | 55.0 | *20.6 | 46.8 | 49.3 | *22.1 | 44.0 | 46.6 | *22.4 | 44.9 | 46.4 | *36.9 |
| Other hearing impairment | 324.7 | 323.4 | 301.5 | 305.9 | 315.9 | 195.7 | 337.4 | 343.6 | 271.6 | 348.0 | 353.1 | 274.2 | 365.1 | 369.4 | 327.9 |
| Tinnitus | 70.7 | 71.3 | *73.2 | 78.0 | 80.9 | *51.0 | 77.8 | 79.5 | 68.4 | 73.5 | 74.0 | 72.3 | 82.5 | 83.4 | 83.9 |
| Deformity or orthopedic impairment | 171.3 | 168.8 | 195.9 | 184.4 | 191.2 | 118.8 | 179.2 | 183.9 | 141.0 | 184.9 | 187.9 | 151.1 | 199.9 | 199.9 | 185.2 |
| Back | 83.1 | 80.5 | 109.1 | 91.9 | 95.4 | *64.1 | 91.6 | 96.4 | *45.2 | 94.4 | 97.9 | *50.2 | 104.1 | 106.6 | 58.5 |
| Upper extremities | 31.8 | 32.8 | *13.0 | 23.3 | 24.3 | *15.4 | 27.9 | 26.9 | *35.9 | 27.4 | 26.7 | *27.9 | 27.6 | 27.4 | *26.3 |
| Lower extremities | 75.5 | 73.7 | 102.5 | 95.9 | 99.9 | *49.5 | 81.3 | 81.7 | 77.4 | 83.3 | 83.6 | 81.8 | 94.5 | 93.1 | 114.0 |

¹Data include races other than white and black.²A person may be counted more than once depending upon hearing or visual problems.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 12. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--------------------------------------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| Arthritis | 30,367 | 10,805 | 19,562 | 30,801 | 10,471 | 20,330 | 31,039 | 11,167 | 19,873 | 30,991 | 11,363 | 19,628 | 31,764 | 11,539 | 20,225 |
| Gout | 2,274 | 1,464 | 811 | 2,266 | 1,549 | 717 | 2,121 | 1,499 | 622 | 2,151 | 1,474 | 676 | 2,165 | 1,454 | 711 |
| Intervertebral disk disorders | 3,802 | 2,096 | 1,705 | 4,067 | 2,270 | 1,797 | 4,484 | 2,447 | 2,037 | 4,721 | 2,606 | 2,115 | 4,972 | 2,748 | 2,224 |
| Bone spur or tendinitis, NOS | 1,548 | 600 | 948 | 2,000 | 864 | 1,137 | 2,195 | 937 | 1,258 | 2,198 | 918 | 1,280 | 2,631 | 1,093 | 1,537 |
| Trouble with bunions | 2,205 | 456 | 1,749 | 2,612 | 469 | 2,144 | 2,879 | 450 | 2,428 | 2,898 | 456 | 2,442 | 2,905 | 433 | 2,472 |
| Bursitis, NEC | 4,478 | 1,820 | 2,658 | 4,523 | 1,840 | 2,683 | 4,424 | 1,684 | 2,739 | 4,445 | 1,739 | 2,706 | 4,671 | 1,900 | 2,771 |
| Dermatitis | 8,826 | 3,321 | 5,505 | 9,116 | 3,576 | 5,540 | 8,708 | 3,322 | 5,386 | 8,691 | 3,355 | 5,336 | 9,266 | 3,519 | 5,748 |
| Trouble with ingrown nails | 4,717 | 2,045 | 2,671 | 5,496 | 2,518 | 2,978 | 5,981 | 2,506 | 3,475 | 5,891 | 2,568 | 3,323 | 6,074 | 2,793 | 3,280 |
| Trouble with corns or calluses | 4,712 | 1,467 | 3,245 | 4,690 | 1,580 | 3,110 | 4,602 | 1,578 | 3,024 | 4,697 | 1,565 | 3,132 | 4,727 | 1,576 | 3,151 |
| Malignant skin neoplasms | 994 | 629 | 365 | 1,925 | 1,143 | 782 | 2,222 | 1,251 | 972 | 2,260 | 1,259 | 1,002 | 2,267 | 1,314 | 953 |
| 55-64 years | | | | | | | | | | | | | | | |
| Arthritis | 7,712 | 2,858 | 4,854 | 7,717 | 2,956 | 4,760 | 7,131 | 2,863 | 4,268 | 7,022 | 2,867 | 4,155 | 7,124 | 2,770 | 4,354 |
| Gout | 566 | 370 | 196 | 610 | 412 | 198 | 573 | 433 | 140 | 515 | 366 | 150 | 504 | 339 | 165 |
| Intervertebral disk disorders | 755 | 409 | 346 | 838 | 450 | 388 | 823 | 434 | 389 | 794 | 454 | 340 | 811 | 459 | 353 |
| Bone spur or tendinitis, NOS | 381 | 146 | 235 | 502 | 221 | 282 | 329 | 150 | 179 | 374 | 165 | 209 | 433 | 175 | 258 |
| Trouble with bunions | 496 | 109 | 387 | 419 | *61 | 358 | 537 | 113 | 423 | 531 | 105 | 426 | 558 | 95 | 463 |
| Bursitis, NEC | 1,137 | 526 | 611 | 1,096 | 463 | 634 | 855 | 375 | 481 | 849 | 398 | 451 | 924 | 402 | 522 |
| Dermatitis | 797 | 268 | 529 | 733 | 297 | 436 | 738 | 280 | 458 | 734 | 269 | 465 | 804 | 315 | 490 |
| Trouble with ingrown nails | 722 | 258 | 463 | 765 | 380 | 384 | 740 | 279 | 461 | 694 | 254 | 440 | 703 | 282 | 421 |
| Trouble with corns or calluses | 930 | 319 | 611 | 799 | 265 | 534 | 851 | 286 | 565 | 772 | 237 | 535 | 797 | 285 | 513 |
| Malignant skin neoplasms | 303 | 217 | 86 | 384 | 261 | 122 | 520 | 289 | 232 | 499 | 305 | 195 | 514 | 340 | 174 |
| 65-74 years | | | | | | | | | | | | | | | |
| Arthritis | 7,637 | 2,785 | 4,852 | 7,740 | 2,616 | 5,124 | 7,784 | 2,822 | 4,962 | 7,777 | 2,812 | 4,965 | 7,913 | 2,926 | 4,986 |
| Gout | 558 | 368 | 191 | 621 | 441 | 180 | 544 | 364 | 180 | 537 | 369 | 168 | 568 | 389 | 178 |
| Intervertebral disk disorders | 523 | 285 | 239 | 503 | 245 | 257 | 565 | 290 | 275 | 579 | 285 | 294 | 613 | 325 | 289 |
| Bone spur or tendinitis, NOS | 230 | *74 | 156 | 248 | 70 | 177 | 315 | 137 | 178 | 316 | 145 | 171 | 422 | 173 | 248 |
| Trouble with bunions | 431 | *72 | 359 | 530 | 78 | 452 | 626 | 71 | 555 | 565 | 73 | 492 | 512 | *51 | 461 |
| Bursitis, NEC | 661 | 233 | 428 | 741 | 261 | 479 | 679 | 258 | 421 | 716 | 275 | 441 | 774 | 334 | 439 |
| Dermatitis | 491 | 131 | 360 | 491 | 173 | 318 | 575 | 203 | 372 | 611 | 247 | 364 | 671 | 242 | 429 |
| Trouble with ingrown nails | 637 | 219 | 418 | 661 | 217 | 445 | 711 | 203 | 508 | 800 | 259 | 541 | 824 | 282 | 542 |
| Trouble with corns or calluses | 778 | 244 | 534 | 634 | 203 | 431 | 797 | 221 | 576 | 770 | 189 | 581 | 739 | 150 | 589 |
| Malignant skin neoplasms | 278 | 153 | 125 | 580 | 379 | 201 | 641 | 400 | 241 | 620 | 385 | 234 | 628 | 375 | 254 |

Table 12. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--------------------------------------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75–84 years | | | | | | | | | | | | | | | |
| Arthritis | 3,974 | 1,157 | 2,817 | 4,402 | 1,283 | 3,119 | 4,925 | 1,490 | 3,435 | 5,101 | 1,630 | 3,471 | 5,118 | 1,576 | 3,542 |
| Gout | 356 | 129 | 227 | 297 | 170 | 127 | 278 | 156 | 123 | 309 | 176 | 132 | 282 | 148 | 134 |
| Intervertebral disk disorders | 102 | *29 | *73 | 178 | 84 | 94 | 197 | 58 | 139 | 196 | 69 | 127 | 210 | 87 | 123 |
| Bone spur or tendinitis, NOS | 100 | *24 | *76 | 102 | *32 | 70 | 105 | *29 | 76 | 133 | *31 | 133 | 163 | *49 | 114 |
| Trouble with bunions | 245 | *24 | 221 | 309 | *30 | 278 | 295 | *35 | 259 | 345 | *47 | 345 | 370 | *46 | 324 |
| Bursitis, NEC | 306 | 79 | 227 | 273 | 99 | 174 | 394 | 142 | 252 | 354 | 119 | 234 | 350 | 113 | 238 |
| Dermatitis | 250 | *63 | 187 | 267 | 101 | 166 | 254 | 109 | 145 | 252 | 105 | 147 | 214 | 81 | 133 |
| Trouble with ingrown nails | 375 | 94 | 281 | 508 | 202 | 306 | 516 | 164 | 352 | 507 | 183 | 324 | 510 | 146 | 364 |
| Trouble with corns or calluses | 447 | 92 | 355 | 530 | 108 | 422 | 418 | 119 | 299 | 505 | 123 | 382 | 515 | 133 | 383 |
| Malignant skin neoplasms | 123 | *63 | *60 | 343 | 193 | 150 | 424 | 235 | 189 | 507 | 285 | 221 | 496 | 287 | 209 |
| 65 years and over | | | | | | | | | | | | | | | |
| Arthritis | 12,581 | 4,209 | 8,372 | 13,197 | 4,157 | 9,039 | 14,013 | 4,628 | 9,386 | 14,265 | 4,770 | 9,495 | 14,508 | 4,830 | 9,678 |
| Gout | 965 | 516 | 449 | 961 | 624 | 337 | 861 | 534 | 327 | 896 | 555 | 341 | 917 | 558 | 359 |
| Intervertebral disk disorders | 657 | 328 | 328 | 689 | 334 | 355 | 797 | 361 | 436 | 832 | 372 | 460 | 871 | 424 | 447 |
| Bone spur or tendinitis, NOS | 349 | 113 | 236 | 360 | 108 | 252 | 451 | 174 | 278 | 475 | 176 | 300 | 609 | 223 | 386 |
| Trouble with bunions | 781 | 118 | 663 | 926 | 117 | 810 | 1,032 | 117 | 915 | 1,032 | 127 | 905 | 957 | 101 | 856 |
| Bursitis, NEC | 1,025 | 330 | 696 | 1,040 | 364 | 676 | 1,134 | 410 | 724 | 1,137 | 407 | 730 | 1,214 | 455 | 759 |
| Dermatitis | 813 | 207 | 606 | 790 | 281 | 510 | 913 | 325 | 588 | 964 | 374 | 591 | 1,021 | 357 | 664 |
| Trouble with ingrown nails | 1,104 | 348 | 756 | 1,261 | 454 | 807 | 1,388 | 421 | 967 | 1,484 | 499 | 986 | 1,502 | 465 | 1,036 |
| Trouble with corns or calluses | 1,395 | 359 | 1,036 | 1,249 | 315 | 935 | 1,324 | 362 | 962 | 1,392 | 336 | 1,055 | 1,373 | 311 | 1,062 |
| Malignant skin neoplasms | 456 | 252 | 204 | 1,000 | 604 | 395 | 1,158 | 662 | 496 | 1,245 | 727 | 518 | 1,250 | 723 | 527 |
| 75 years and over | | | | | | | | | | | | | | | |
| Arthritis | 4,944 | 1,424 | 3,520 | 5,456 | 1,541 | 3,915 | 6,229 | 1,805 | 4,424 | 6,489 | 1,958 | 4,531 | 6,595 | 1,904 | 4,691 |
| Gout | 407 | 149 | 258 | 340 | 183 | 157 | 316 | 169 | 147 | 359 | 186 | 173 | 350 | 169 | 181 |
| Intervertebral disk disorders | 134 | *44 | 90 | 186 | 88 | 98 | 233 | 71 | 162 | 253 | 87 | 166 | 258 | 99 | 159 |
| Bone spur or tendinitis, NOS | 119 | *39 | 80 | 112 | *38 | 74 | 136 | *36 | 100 | 159 | *31 | 159 | 187 | *49 | 138 |
| Trouble with bunions | 350 | *46 | 304 | 397 | *39 | 358 | 407 | *46 | 360 | 467 | 54 | 413 | 445 | *50 | 395 |
| Bursitis, NEC | 364 | 96 | 268 | 299 | 103 | 197 | 455 | 152 | 303 | 421 | 132 | 289 | 440 | 121 | 319 |
| Dermatitis | 322 | *76 | 246 | 299 | 108 | 191 | 338 | 122 | 216 | 353 | 126 | 227 | 350 | 115 | 235 |
| Trouble with ingrown nails | 468 | 130 | 338 | 599 | 237 | 362 | 677 | 218 | 459 | 684 | 239 | 445 | 677 | 183 | 494 |
| Trouble with corns or calluses | 617 | 115 | 502 | 615 | 112 | 503 | 527 | 141 | 386 | 622 | 148 | 474 | 635 | 161 | 474 |
| Malignant skin neoplasms | 178 | 99 | 79 | 420 | 225 | 195 | 517 | 262 | 255 | 625 | 342 | 283 | 622 | 348 | 274 |

Table 12. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|-------------------------------------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Arthritis | 970 | 267 | 703 | 1,054 | 258 | 796 | 1,304 | 315 | 989 | 1,388 | 329 | 1,059 | 1,477 | 328 | 1,149 |
| Trouble with bunions | 105 | *22 | 83 | 88 | *8 | 80 | 112 | *11 | 101 | 123 | *8 | 123 | 75 | *4 | 71 |
| Trouble with ingrown nails | 93 | *36 | *58 | 91 | *35 | *56 | 161 | 54 | 107 | 177 | 56 | 121 | 167 | *37 | 130 |
| Trouble with corns or calluses | 170 | *23 | 148 | 85 | *4 | 81 | 109 | *22 | 87 | 117 | *25 | 117 | 119 | *28 | 91 |
| Malignant skin neoplasms | *56 | *36 | *20 | 76 | *32 | *45 | 93 | *28 | 65 | 118 | 56 | 62 | 126 | 61 | 64 |

NOTES: Data include races other than white and black. NOS is not otherwise specified. NEC is not elsewhere classified.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 13. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|-------------------------------------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Arthritis | 132.4 | 97.6 | 164.9 | 130.4 | 91.7 | 166.7 | 127.5 | 94.6 | 158.4 | 125.9 | 95.2 | 154.9 | 127.7 | 95.6 | 158.0 |
| Gout | 9.9 | 13.2 | 6.8 | 9.6 | 13.6 | 5.9 | 8.7 | 12.7 | 5.0 | 8.7 | 12.4 | 5.3 | 8.7 | 12.0 | 5.6 |
| Intervertebral disk disorders | 16.6 | 18.9 | 14.4 | 17.2 | 19.9 | 14.7 | 18.4 | 20.7 | 16.2 | 19.2 | 21.8 | 16.7 | 20.0 | 22.8 | 17.4 |
| Bone spur or tendinitis, NOS | 6.8 | 5.4 | 8.0 | 8.5 | 7.6 | 9.3 | 9.0 | 7.9 | 10.0 | 8.9 | 7.7 | 10.1 | 10.6 | 9.1 | 12.0 |
| Trouble with bunions | 9.6 | 4.1 | 14.7 | 11.1 | 4.1 | 17.6 | 11.8 | 3.8 | 19.3 | 11.8 | 3.8 | 19.3 | 11.7 | 3.6 | 19.3 |
| Bursitis, NEC | 19.5 | 16.4 | 22.4 | 19.1 | 16.1 | 22.0 | 18.2 | 14.3 | 21.8 | 18.1 | 14.6 | 21.4 | 18.8 | 15.7 | 21.6 |
| Dermatitis | 38.5 | 30.0 | 46.4 | 38.6 | 31.3 | 45.4 | 35.8 | 28.2 | 42.9 | 35.3 | 28.1 | 42.1 | 37.3 | 29.1 | 44.9 |
| Trouble with ingrown nails | 20.6 | 18.5 | 22.5 | 23.3 | 22.0 | 24.4 | 24.6 | 21.2 | 27.7 | 23.9 | 21.5 | 26.2 | 24.4 | 23.1 | 25.6 |
| Trouble with corns or calluses ... | 20.5 | 13.3 | 27.3 | 19.9 | 13.8 | 25.5 | 18.9 | 13.4 | 24.1 | 19.1 | 13.1 | 24.7 | 19.0 | 13.0 | 24.6 |
| Malignant skin neoplasms | 4.3 | 5.7 | 3.1 | 8.1 | 10.0 | 6.4 | 9.1 | 10.6 | 7.7 | 9.2 | 10.5 | 7.9 | 9.1 | 10.9 | 7.4 |
| 55-64 years | | | | | | | | | | | | | | | |
| Arthritis | 350.7 | 278.7 | 413.6 | 350.7 | 286.1 | 407.9 | 332.5 | 283.1 | 376.6 | 329.9 | 285.1 | 370.0 | 336.6 | 276.5 | 390.6 |
| Gout | 25.8 | 36.1 | 16.7 | 27.7 | 39.9 | 17.0 | 26.7 | 42.8 | 12.3 | 24.2 | 36.4 | 13.3 | 23.8 | 33.9 | 14.8 |
| Intervertebral disk disorders | 34.3 | 39.9 | 29.5 | 38.1 | 43.5 | 33.3 | 38.4 | 43.0 | 34.3 | 37.3 | 45.2 | 30.3 | 38.3 | 45.8 | 31.6 |
| Bone spur or tendinitis, NOS | 17.3 | 14.2 | 20.0 | 22.8 | 21.4 | 24.1 | 15.4 | 14.8 | 15.8 | 17.6 | 16.5 | 18.6 | 20.4 | 17.5 | 23.1 |
| Trouble with bunions | 22.5 | 10.6 | 32.9 | 19.1 | *6.0 | 30.7 | 25.0 | 11.2 | 37.4 | 25.0 | 10.5 | 37.9 | 26.4 | 9.5 | 41.6 |
| Bursitis, NEC | 51.7 | 51.3 | 52.1 | 49.8 | 44.8 | 54.3 | 39.9 | 37.1 | 42.4 | 39.9 | 39.5 | 40.2 | 43.7 | 40.1 | 46.9 |
| Dermatitis | 36.3 | 26.1 | 45.1 | 33.3 | 28.7 | 37.3 | 34.4 | 27.7 | 40.4 | 34.5 | 26.8 | 41.4 | 38.0 | 31.4 | 43.9 |
| Trouble with ingrown nails | 32.8 | 25.2 | 39.5 | 34.8 | 36.8 | 32.9 | 34.5 | 27.6 | 40.7 | 32.6 | 25.3 | 39.2 | 33.2 | 28.2 | 37.8 |
| Trouble with corns or calluses ... | 42.3 | 31.2 | 52.0 | 36.3 | 25.6 | 45.7 | 39.7 | 28.2 | 49.9 | 36.3 | 23.6 | 47.6 | 37.7 | 28.4 | 46.0 |
| Malignant skin neoplasms | 13.8 | 21.2 | 7.3 | 17.4 | 25.3 | 10.5 | 24.3 | 28.5 | 20.4 | 23.4 | 30.3 | 17.3 | 24.3 | 33.9 | 15.6 |
| 65-74 years | | | | | | | | | | | | | | | |
| Arthritis | 475.7 | 399.6 | 534.1 | 455.4 | 349.4 | 538.9 | 436.6 | 355.6 | 501.5 | 430.2 | 348.6 | 496.0 | 432.7 | 357.8 | 493.2 |
| Gout | 34.8 | 52.7 | 21.0 | 36.5 | 58.9 | 19.0 | 30.5 | 45.9 | 18.2 | 29.7 | 45.7 | 16.8 | 31.0 | 47.6 | 17.6 |
| Intervertebral disk disorders | 32.6 | 40.8 | 26.3 | 29.6 | 32.8 | 27.1 | 31.7 | 36.5 | 27.8 | 32.0 | 35.3 | 29.4 | 33.5 | 39.7 | 28.5 |
| Bone spur or tendinitis, NOS | 14.3 | *10.6 | 17.2 | 14.6 | 9.4 | 18.7 | 17.7 | 17.3 | 18.0 | 17.5 | 17.9 | 17.1 | 23.1 | 21.2 | 24.6 |
| Trouble with bunions | 26.8 | *10.3 | 39.5 | 31.2 | 10.4 | 47.5 | 35.1 | 9.0 | 56.1 | 31.3 | 9.1 | 49.1 | 28.0 | *6.2 | 45.6 |
| Bursitis, NEC | 41.2 | 33.5 | 47.1 | 43.6 | 34.9 | 50.4 | 38.1 | 32.5 | 42.6 | 39.6 | 34.1 | 44.1 | 42.3 | 40.9 | 43.5 |
| Dermatitis | 30.6 | 18.8 | 39.6 | 28.9 | 23.1 | 33.5 | 32.3 | 25.6 | 37.6 | 33.8 | 30.7 | 36.3 | 36.7 | 29.6 | 42.5 |
| Trouble with ingrown nails | 39.7 | 31.4 | 46.0 | 38.9 | 28.9 | 46.8 | 39.9 | 25.5 | 51.4 | 44.3 | 32.2 | 54.0 | 45.1 | 34.5 | 53.6 |
| Trouble with corns or calluses ... | 48.4 | 35.0 | 58.8 | 37.3 | 27.1 | 45.3 | 44.7 | 27.9 | 58.2 | 42.6 | 23.4 | 58.1 | 40.4 | 18.3 | 58.2 |
| Malignant skin neoplasms | 17.3 | 22.0 | 13.7 | 34.1 | 50.7 | 21.1 | 36.0 | 50.4 | 24.4 | 34.3 | 47.8 | 23.4 | 34.4 | 45.8 | 25.1 |

Table 13. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|-------------------------------------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75-84 years | | | | | | | | | | | | | | | |
| Arthritis | 497.7 | 383.6 | 567.0 | 516.0 | 398.9 | 586.9 | 537.2 | 424.0 | 607.5 | 544.2 | 450.8 | 602.8 | 536.5 | 422.6 | 609.6 |
| Gout | 44.5 | 42.6 | 45.7 | 34.8 | 52.9 | 23.9 | 30.3 | 44.3 | 21.7 | 33.0 | 48.8 | 23.0 | 29.6 | 39.5 | 23.2 |
| Intervertebral disk disorders | 12.8 | *9.6 | *14.8 | 20.9 | 26.1 | 17.7 | 21.5 | 16.5 | 24.6 | 20.9 | 19.1 | 22.1 | 22.0 | 23.3 | 21.2 |
| Bone spur or tendinitis, NOS | 12.5 | *8.0 | *15.3 | 12.0 | *10.0 | 13.2 | 211.4 | *8.2 | 13.4 | 14.2 | *8.6 | 17.7 | 17.1 | *13.2 | 19.5 |
| Trouble with bunions | 30.7 | *8.0 | 44.6 | 36.2 | *9.5 | 52.3 | 32.2 | *10.1 | 45.9 | 36.8 | *12.9 | 51.8 | 38.8 | *12.4 | 55.7 |
| Bursitis, NEC | 38.3 | 26.3 | 45.6 | 32.0 | 30.7 | 32.8 | 43.0 | 40.5 | 44.6 | 37.7 | 33.0 | 40.7 | 36.7 | 30.2 | 40.9 |
| Dermatitis | 31.3 | *20.8 | 37.6 | 31.3 | 31.5 | 31.3 | 27.7 | 31.0 | 25.7 | 26.9 | 29.2 | 25.5 | 22.4 | 21.8 | 22.8 |
| Trouble with ingrown nails | 46.9 | 31.2 | 56.5 | 59.6 | 62.8 | 57.6 | 56.3 | 46.7 | 62.2 | 54.1 | 50.6 | 56.3 | 53.5 | 39.1 | 62.7 |
| Trouble with corns or calluses ... | 56.0 | 30.5 | 71.4 | 62.1 | 33.6 | 79.4 | 45.6 | 33.8 | 53.0 | 53.9 | 34.0 | 66.3 | 54.0 | 35.6 | 65.8 |
| Malignant skin neoplasms | 15.4 | *21.0 | *12.0 | 40.2 | 60.0 | 28.2 | 46.2 | 66.8 | 33.5 | 54.1 | 78.9 | 38.4 | 52.0 | 76.9 | 36.0 |
| 65 years and over | | | | | | | | | | | | | | | |
| Arthritis | 485.7 | 398.0 | 546.2 | 478.5 | 365.6 | 557.7 | 479.5 | 380.9 | 549.6 | 479.3 | 384.6 | 547.0 | 479.0 | 381.7 | 548.8 |
| Gout | 37.3 | 48.8 | 29.3 | 34.9 | 54.9 | 20.8 | 29.4 | 43.9 | 19.2 | 30.1 | 44.7 | 19.7 | 30.3 | 44.1 | 20.4 |
| Intervertebral disk disorders | 25.4 | 31.0 | 21.4 | 25.0 | 29.4 | 21.9 | 27.3 | 29.7 | 25.6 | 28.0 | 30.0 | 26.5 | 28.8 | 33.5 | 25.4 |
| Bone spur or tendinitis, NOS | 13.5 | 10.7 | 15.4 | 13.0 | 9.5 | 15.5 | 15.4 | 14.3 | 16.3 | 16.0 | 14.2 | 17.3 | 20.1 | 17.6 | 21.9 |
| Trouble with bunions | 30.1 | 11.1 | 43.3 | 33.6 | 10.3 | 50.0 | 35.3 | 9.7 | 53.6 | 34.7 | 10.3 | 52.1 | 31.6 | 8.0 | 48.6 |
| Bursitis, NEC | 39.6 | 31.2 | 45.4 | 37.7 | 32.0 | 41.7 | 38.8 | 33.8 | 42.4 | 38.2 | 32.8 | 42.0 | 40.1 | 36.0 | 43.0 |
| Dermatitis | 31.4 | 19.6 | 39.5 | 28.7 | 24.7 | 31.4 | 31.2 | 26.7 | 34.5 | 32.4 | 30.1 | 34.0 | 33.7 | 28.2 | 37.7 |
| Trouble with ingrown nails | 42.6 | 32.9 | 49.3 | 45.7 | 39.9 | 49.8 | 47.5 | 34.6 | 56.6 | 49.9 | 40.2 | 56.8 | 49.6 | 36.8 | 58.8 |
| Trouble with corns or calluses ... | 53.9 | 33.9 | 67.6 | 45.3 | 27.7 | 57.7 | 45.3 | 29.8 | 56.3 | 46.8 | 27.1 | 60.8 | 45.3 | 24.6 | 60.2 |
| Malignant skin neoplasms | 17.6 | 23.9 | 13.3 | 36.3 | 53.2 | 24.4 | 39.6 | 54.5 | 29.1 | 41.8 | 58.6 | 29.8 | 41.3 | 57.1 | 29.9 |
| 75 years and over | | | | | | | | | | | | | | | |
| Arthritis | 501.9 | 394.9 | 563.8 | 515.6 | 396.9 | 584.4 | 546.6 | 428.4 | 615.8 | 555.1 | 451.4 | 616.3 | 549.6 | 425.5 | 623.4 |
| Gout | 41.3 | 41.2 | 41.3 | 32.1 | 47.2 | 23.4 | 27.7 | 40.2 | 20.4 | 30.7 | 42.9 | 23.6 | 29.1 | 37.7 | 24.0 |
| Intervertebral disk disorders | 13.6 | *12.6 | 14.4 | 17.6 | 22.8 | 14.6 | 20.4 | 16.8 | 22.5 | 21.7 | 20.2 | 22.6 | 21.5 | 22.2 | 21.1 |
| Bone spur or tendinitis, NOS | 12.1 | *10.9 | 12.8 | 10.6 | *9.7 | 11.1 | 11.9 | *8.6 | 13.9 | 13.6 | *7.2 | 17.5 | 15.6 | *11.0 | 18.3 |
| Trouble with bunions | 35.5 | *12.7 | 48.7 | 37.5 | *10.0 | 53.4 | 35.7 | *11.0 | 50.2 | 40.0 | 12.5 | 56.2 | 37.1 | *11.3 | 52.5 |
| Bursitis, NEC | 37.0 | 26.7 | 42.9 | 28.3 | 26.4 | 29.4 | 39.9 | 36.2 | 42.2 | 36.0 | 30.4 | 39.3 | 36.7 | 27.0 | 42.4 |
| Dermatitis | 32.7 | *21.0 | 39.4 | 28.3 | 27.8 | 28.6 | 29.6 | 28.9 | 30.1 | 30.2 | 29.1 | 30.9 | 29.2 | 25.7 | 31.2 |
| Trouble with ingrown nails | 47.5 | 36.0 | 54.2 | 56.6 | 61.1 | 54.0 | 59.4 | 51.7 | 63.9 | 58.5 | 55.1 | 60.5 | 56.4 | 41.0 | 65.6 |
| Trouble with corns or calluses ... | 62.7 | 31.8 | 80.5 | 58.1 | 28.8 | 75.1 | 46.3 | 33.4 | 53.8 | 53.2 | 34.0 | 64.5 | 52.9 | 36.0 | 63.0 |
| Malignant skin neoplasms | 18.1 | 27.5 | 12.7 | 39.6 | 58.0 | 29.0 | 45.4 | 62.3 | 35.5 | 53.4 | 78.7 | 38.5 | 51.8 | 77.8 | 36.4 |

88 **Table 13. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by sex, age, and type of condition: United States, selected years—Con.**

[Data are based on household interviews of the civilian noninstitutionalized population]

| <i>Age and type of condition</i> | <i>1982–84</i> | | | <i>1985–87</i> | | | <i>1988–90</i> | | | <i>1989–91</i> | | | <i>1990–92</i> | | |
|------------------------------------|-------------------|-------------|---------------|-------------------|-------------|---------------|-------------------|-------------|---------------|-------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| 85 years and over | | | | | | | | | | | | | | | |
| Arthritis | 520.0 | 452.6 | 551.2 | 514.2 | 387.6 | 575.0 | 585.1 | 450.4 | 646.8 | 599.5 | 454.7 | 665.1 | 600.7 | 440.1 | 670.5 |
| Trouble with bunions | 56.0 | *37.1 | 64.8 | 43.0 | *12.4 | 57.7 | 50.2 | *15.7 | 66.0 | 52.9 | *17.4 | 72.2 | 30.6 | *5.4 | 41.5 |
| Trouble with ingrown nails | 49.9 | *60.2 | *45.1 | 44.4 | *53.1 | *40.3 | 72.3 | 76.9 | 70.1 | 76.5 | 77.8 | 75.9 | 67.9 | *50.2 | 75.6 |
| Trouble with corns or calluses ... | 91.3 | *38.6 | 115.6 | 41.6 | *5.9 | 58.7 | 49.0 | *31.7 | 56.9 | 50.4 | *33.9 | 57.9 | 48.6 | *37.9 | 53.2 |
| Malignant skin neoplasms | *29.8 | *61.2 | *15.3 | 37.3 | *47.9 | *32.2 | 41.8 | *39.7 | 42.8 | 51.0 | 77.7 | 38.9 | 51.1 | 82.6 | 37.4 |

NOTES: Data include races other than white and black. NOS is not otherwise specified. NEC is not elsewhere classified.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 14. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| Arthritis | 30,367 | 26,944 | 3,108 | 30,801 | 26,894 | 3,499 | 31,039 | 27,480 | 3,081 | 30,991 | 27,310 | 3,154 | 31,764 | 29,093 | 3,087 |
| Gout | 2,274 | 1,901 | 349 | 2,266 | 1,929 | 298 | 2,121 | 1,771 | 305 | 2,151 | 1,777 | 353 | 2,165 | 1,778 | 362 |
| Intervertebral disk disorders | 3,802 | 3,425 | 328 | 4,067 | 3,729 | 290 | 4,484 | 4,087 | 325 | 4,721 | 4,296 | 355 | 4,972 | 4,518 | 324 |
| Bone spur or tendinitis, NOS | 1,548 | 1,496 | *46 | 2,000 | 1,902 | 71 | 2,195 | 2,060 | 93 | 2,198 | 2,067 | 97 | 2,631 | 2,450 | 128 |
| Trouble with bunions | 2,205 | 1,869 | 321 | 2,612 | 2,168 | 367 | 2,879 | 2,462 | 380 | 2,898 | 2,506 | 337 | 2,905 | 2,499 | 308 |
| Bursitis, NEC | 4,478 | 4,134 | 269 | 4,523 | 4,022 | 427 | 4,424 | 4,024 | 328 | 4,445 | 4,030 | 346 | 4,671 | 4,138 | 436 |
| Dermatitis | 8,826 | 7,850 | 827 | 9,116 | 8,004 | 836 | 8,708 | 7,699 | 729 | 8,691 | 7,558 | 794 | 9,266 | 8,021 | 852 |
| Trouble with ingrown nails | 4,717 | 4,125 | 518 | 5,496 | 4,969 | 463 | 5,981 | 5,367 | 500 | 5,891 | 5,261 | 522 | 6,074 | 5,320 | 574 |
| Trouble with corns or calluses | 4,712 | 3,848 | 811 | 4,690 | 3,794 | 848 | 4,602 | 3,761 | 762 | 4,697 | 3,835 | 775 | 4,727 | 3,905 | 742 |
| Malignant skin neoplasms | 994 | 987 | *3 | 1,925 | 1,921 | *4 | 2,222 | 2,196 | *14 | 2,260 | 2,229 | *20 | 2,267 | 2,229 | *18 |
| 55-64 years | | | | | | | | | | | | | | | |
| Arthritis | 7,712 | 6,897 | 762 | 7,717 | 6,681 | 923 | 7,131 | 6,249 | 761 | 7,022 | 6,099 | 811 | 7,124 | 6,185 | 803 |
| Gout | 566 | 475 | 91 | 610 | 493 | 106 | 573 | 480 | 80 | 515 | 423 | 89 | 504 | 404 | 100 |
| Intervertebral disk disorders | 755 | 702 | *45 | 838 | 764 | *58 | 823 | 748 | 71 | 794 | 717 | 73 | 811 | 733 | 62 |
| Bone spur or tendinitis, NOS | 381 | 364 | *17 | 502 | 475 | *18 | 329 | 317 | *8 | 374 | 369 | *5 | 433 | 427 | *4 |
| Trouble with bunions | 496 | 406 | 85 | 419 | 348 | 71 | 537 | 472 | 62 | 531 | 465 | 66 | 558 | 490 | 54 |
| Bursitis, NEC | 1,137 | 1,062 | *55 | 1,096 | 976 | 106 | 855 | 778 | 56 | 849 | 768 | 64 | 924 | 825 | 79 |
| Dermatitis | 797 | 758 | *39 | 733 | 683 | *50 | 738 | 671 | *42 | 734 | 648 | 61 | 804 | 705 | 69 |
| Trouble with ingrown nails | 722 | 619 | 99 | 765 | 685 | 71 | 740 | 670 | 61 | 694 | 616 | 74 | 703 | 609 | 87 |
| Trouble with corns or calluses | 930 | 800 | 130 | 799 | 655 | 126 | 851 | 729 | 113 | 772 | 658 | 109 | 797 | 660 | 129 |
| Malignant skin neoplasms | 303 | 303 | - | 384 | 384 | - | 520 | 500 | *14 | 499 | 476 | *17 | 514 | 509 | *6 |
| 65-74 years | | | | | | | | | | | | | | | |
| Arthritis | 7,637 | 6,776 | 777 | 7,740 | 6,851 | 821 | 7,784 | 7,007 | 721 | 7,777 | 6,976 | 738 | 7,913 | 7,122 | 706 |
| Gout | 558 | 469 | *76 | 621 | 525 | 89 | 544 | 463 | 78 | 537 | 446 | 91 | 568 | 484 | 78 |
| Intervertebral disk disorders | 523 | 481 | *42 | 503 | 462 | *41 | 565 | 537 | *25 | 579 | 554 | *25 | 613 | 575 | *34 |
| Bone spur or tendinitis, NOS | 230 | 222 | *9 | 248 | 239 | *9 | 315 | 314 | *1 | 316 | 313 | *3 | 422 | 404 | *17 |
| Trouble with bunions | 431 | 390 | *36 | 530 | 445 | *67 | 626 | 574 | 47 | 565 | 517 | *40 | 512 | 455 | *41 |
| Bursitis, NEC | 661 | 621 | *36 | 741 | 644 | 88 | 679 | 626 | 49 | 716 | 666 | *47 | 774 | 713 | 57 |
| Dermatitis | 491 | 469 | *19 | 491 | 467 | *10 | 575 | 551 | *15 | 611 | 586 | *21 | 671 | 631 | *32 |
| Trouble with ingrown nails | 637 | 578 | *49 | 661 | 589 | *69 | 711 | 648 | 55 | 800 | 712 | 78 | 824 | 725 | 79 |
| Trouble with corns or calluses | 778 | 676 | 97 | 634 | 528 | 102 | 797 | 675 | 115 | 770 | 661 | 100 | 739 | 650 | 87 |
| Malignant skin neoplasms | 278 | 278 | - | 580 | 579 | *2 | 641 | 641 | - | 620 | 620 | - | 628 | 625 | *3 |

Table 14. Average annual number of selected respondent-reported chronic skin and musculoskeletal conditions, by race, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|-------------------------------------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75–84 years | | | | | | | | | | | | | | | |
| Arthritis | 3,974 | 3,583 | 374 | 4,402 | 3,927 | 437 | 4,925 | 4,437 | 425 | 5,101 | 4,635 | 405 | 5,118 | 4,662 | 385 |
| Gout | 356 | 269 | 87 | 297 | 269 | *17 | 278 | 242 | *37 | 309 | 268 | *41 | 282 | 232 | *51 |
| Intervertebral disk disorders | 102 | 98 | *5 | 178 | 175 | *3 | 197 | 187 | *10 | 196 | 186 | *4 | 210 | 190 | *13 |
| Bone spur or tendinitis, NOS | 100 | 95 | — | 102 | 102 | — | 105 | 85 | *19 | 133 | 123 | *10 | 163 | 152 | *10 |
| Trouble with bunions | 245 | 228 | *13 | 309 | 283 | *20 | 295 | 272 | *23 | 345 | 315 | *26 | 370 | 341 | *26 |
| Bursitis, NEC | 306 | 298 | *8 | 273 | 257 | *16 | 394 | 375 | *19 | 354 | 331 | *22 | 350 | 316 | *34 |
| Dermatitis | 250 | 245 | *4 | 267 | 254 | *10 | 254 | 236 | *8 | 252 | 234 | *8 | 214 | 203 | — |
| Trouble with ingrown nails | 375 | 332 | *39 | 508 | 453 | *48 | 516 | 468 | *42 | 507 | 446 | 56 | 510 | 448 | 58 |
| Trouble with corns or calluses ... | 447 | 409 | *34 | 530 | 485 | *46 | 418 | 366 | *46 | 505 | 453 | *47 | 515 | 472 | *38 |
| Malignant skin neoplasms | 123 | 123 | — | 343 | 343 | — | 424 | 424 | — | 507 | 507 | — | 496 | 496 | — |
| 65 years and over | | | | | | | | | | | | | | | |
| Arthritis | 12,581 | 11,247 | 1,226 | 13,197 | 11,750 | 1,335 | 14,013 | 12,651 | 1,238 | 14,265 | 12,877 | 1,248 | 14,508 | 13,109 | 1,227 |
| Gout | 965 | 783 | 170 | 961 | 827 | 115 | 861 | 740 | 117 | 896 | 762 | 135 | 917 | 777 | 135 |
| Intervertebral disk disorders | 657 | 592 | *65 | 689 | 645 | *44 | 797 | 759 | *36 | 832 | 792 | *34 | 871 | 810 | *50 |
| Bone spur or tendinitis, NOS | 349 | 336 | *9 | 360 | 351 | *9 | 451 | 428 | *23 | 475 | 462 | *13 | 609 | 581 | *28 |
| Trouble with bunions | 781 | 707 | *64 | 926 | 816 | 87 | 1,032 | 953 | 75 | 1,032 | 950 | 71 | 957 | 869 | 69 |
| Bursitis, NEC | 1,025 | 973 | *47 | 1,040 | 921 | 108 | 1,134 | 1,056 | 75 | 1,137 | 1,060 | 73 | 1,214 | 1,117 | 94 |
| Dermatitis | 813 | 782 | *23 | 790 | 751 | *22 | 913 | 867 | *22 | 964 | 917 | *29 | 1,021 | 959 | *34 |
| Trouble with ingrown nails | 1,104 | 985 | 106 | 1,261 | 1,133 | 117 | 1,388 | 1,271 | 104 | 1,484 | 1,322 | 146 | 1,502 | 1,321 | 155 |
| Trouble with corns or calluses ... | 1,395 | 1,241 | 145 | 1,249 | 1,092 | 154 | 1,324 | 1,132 | 179 | 1,392 | 1,218 | 159 | 1,373 | 1,223 | 143 |
| Malignant skin neoplasms | 456 | 456 | — | 1,000 | 998 | *2 | 1,158 | 1,158 | — | 1,245 | 1,237 | *3 | 1,250 | 1,239 | *6 |
| 75 years and over | | | | | | | | | | | | | | | |
| Arthritis | 4,944 | 4,471 | 449 | 5,456 | 4,898 | 514 | 6,229 | 5,645 | 517 | 6,489 | 5,901 | 510 | 6,595 | 5,987 | 520 |
| Gout | 407 | 313 | 93 | 340 | 302 | *26 | 316 | 277 | *39 | 359 | 316 | *43 | 350 | 293 | 57 |
| Intervertebral disk disorders | 134 | 111 | *23 | 186 | 183 | *3 | 233 | 221 | *11 | 253 | 238 | *9 | 258 | 236 | *16 |
| Bone spur or tendinitis, NOS | 119 | 114 | — | 112 | 112 | — | 136 | 114 | *22 | 159 | 150 | *10 | 187 | 177 | *10 |
| Trouble with bunions | 350 | 317 | *28 | 397 | 371 | *20 | 407 | 379 | *28 | 467 | 433 | *31 | 445 | 413 | *28 |
| Bursitis, NEC | 364 | 353 | *11 | 299 | 277 | *19 | 455 | 430 | *26 | 421 | 394 | *27 | 440 | 404 | *36 |
| Dermatitis | 322 | 313 | *4 | 299 | 283 | *12 | 338 | 316 | *8 | 353 | 331 | *8 | 350 | 328 | *3 |
| Trouble with ingrown nails | 468 | 407 | *57 | 599 | 545 | *48 | 677 | 623 | 49 | 684 | 611 | 68 | 677 | 596 | 76 |
| Trouble with corns or calluses ... | 617 | 565 | *48 | 615 | 564 | *52 | 527 | 457 | 65 | 622 | 558 | 59 | 635 | 574 | 56 |
| Malignant skin neoplasms | 178 | 178 | — | 420 | 420 | — | 517 | 517 | — | 625 | 617 | *3 | 622 | 614 | *3 |

¹Data include races other than white and black.

NOTES: NOS is not otherwise specified. NEC is not elsewhere classified.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 15. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Arthritis | 132.4 | 137.4 | 113.8 | 130.4 | 134.2 | 122.6 | 127.5 | 133.9 | 103.1 | 125.9 | 132.0 | 103.8 | 127.7 | 134.9 | 99.9 |
| Gout | 9.9 | 9.7 | 12.8 | 9.6 | 9.6 | 10.5 | 8.7 | 8.6 | 10.2 | 8.7 | 8.6 | 11.6 | 8.7 | 8.5 | 11.7 |
| Intervertebral disk disorders | 16.6 | 17.5 | 12.0 | 17.2 | 18.6 | 10.2 | 18.4 | 19.9 | 10.9 | 19.2 | 20.8 | 11.7 | 20.0 | 21.7 | 10.5 |
| Bone spur or tendinitis, NOS | 6.8 | 7.6 | *1.7 | 8.5 | 9.5 | 2.5 | 9.0 | 10.0 | 3.1 | 8.9 | 10.0 | 3.2 | 10.6 | 11.8 | 4.2 |
| Trouble with bunions | 9.6 | 9.5 | 11.7 | 11.1 | 10.8 | 12.8 | 11.8 | 12.0 | 12.7 | 11.8 | 12.1 | 11.1 | 11.7 | 12.0 | 10.0 |
| Bursitis, NEC | 19.5 | 21.1 | 9.8 | 19.1 | 20.1 | 15.0 | 18.2 | 19.6 | 11.0 | 18.1 | 19.5 | 11.4 | 18.8 | 19.9 | 14.1 |
| Dermatitis | 38.5 | 40.0 | 30.3 | 38.6 | 39.9 | 29.3 | 35.8 | 37.5 | 24.4 | 35.3 | 36.5 | 26.1 | 37.3 | 38.5 | 27.6 |
| Trouble with ingrown nails | 20.6 | 21.0 | 18.9 | 23.3 | 24.8 | 16.2 | 24.6 | 26.2 | 16.7 | 23.9 | 25.4 | 17.2 | 24.4 | 25.5 | 18.6 |
| Trouble with corns or calluses | 20.5 | 19.6 | 29.7 | 19.9 | 18.9 | 29.7 | 18.9 | 18.3 | 25.5 | 19.1 | 18.5 | 25.5 | 19.0 | 18.7 | 24.0 |
| Malignant skin neoplasms | 4.3 | 5.0 | *0.1 | 8.1 | 9.6 | *0.1 | 9.1 | 10.7 | *0.5 | 9.2 | 10.8 | *0.7 | 9.1 | 10.7 | *0.6 |
| 55-64 years | | | | | | | | | | | | | | | |
| Arthritis | 350.7 | 350.4 | 389.3 | 350.7 | 343.0 | 444.1 | 332.5 | 333.0 | 358.1 | 329.9 | 328.6 | 379.3 | 336.6 | 337.0 | 372.7 |
| Gout | 25.8 | 24.1 | 46.7 | 27.7 | 25.3 | 51.0 | 26.7 | 25.6 | 37.6 | 24.2 | 22.8 | 41.5 | 23.8 | 22.0 | 46.6 |
| Intervertebral disk disorders | 34.3 | 35.7 | *22.9 | 38.1 | 39.2 | *28.1 | 38.4 | 39.9 | 33.6 | 37.3 | 38.6 | 34.3 | 38.3 | 39.9 | 29.0 |
| Bone spur or tendinitis, NOS | 17.3 | 18.5 | *8.9 | 22.8 | 24.4 | *8.9 | 15.4 | 16.9 | *3.7 | 17.6 | 19.9 | *2.6 | 20.4 | 23.3 | *1.9 |
| Trouble with bunions | 22.5 | 20.6 | 43.5 | 19.1 | 17.9 | 34.1 | 25.0 | 25.1 | 29.0 | 25.0 | 25.1 | 30.7 | 26.4 | 26.7 | 24.9 |
| Bursitis, NEC | 51.7 | 53.9 | *28.1 | 49.8 | 50.1 | 50.9 | 39.9 | 41.4 | 26.5 | 39.9 | 41.4 | 29.8 | 43.7 | 44.9 | 36.4 |
| Dermatitis | 36.3 | 38.5 | *19.9 | 33.3 | 35.0 | *24.0 | 34.4 | 35.8 | *19.7 | 34.5 | 34.9 | 28.5 | 38.0 | 38.4 | 32.0 |
| Trouble with ingrown nails | 32.8 | 31.4 | 50.6 | 34.8 | 35.2 | 34.0 | 34.5 | 35.7 | 28.6 | 32.6 | 33.2 | 34.6 | 33.2 | 33.2 | 40.5 |
| Trouble with corns or calluses | 42.3 | 40.6 | 66.6 | 36.3 | 33.6 | 60.7 | 39.7 | 38.8 | 53.3 | 36.3 | 35.5 | 51.1 | 37.7 | 36.0 | 59.8 |
| Malignant skin neoplasms | 13.8 | 15.4 | *- | 17.4 | 19.7 | *- | 24.3 | 26.6 | *6.7 | 23.4 | 25.6 | *8.1 | 24.3 | 27.7 | *2.6 |
| 65-74 years | | | | | | | | | | | | | | | |
| Arthritis | 475.7 | 467.8 | 574.7 | 455.4 | 448.4 | 563.0 | 436.6 | 438.5 | 466.9 | 430.2 | 431.4 | 468.0 | 432.7 | 436.7 | 438.9 |
| Gout | 34.8 | 32.4 | *56.5 | 36.5 | 34.3 | 61.0 | 30.5 | 29.0 | 50.4 | 29.7 | 27.6 | 58.0 | 31.0 | 29.7 | 48.5 |
| Intervertebral disk disorders | 32.6 | 33.2 | *30.9 | 29.6 | 30.2 | *28.0 | 31.7 | 33.6 | *16.0 | 32.0 | 34.2 | *15.9 | 33.5 | 35.2 | *21.4 |
| Bone spur or tendinitis, NOS | 14.3 | 15.3 | *6.3 | 14.6 | 15.6 | *6.2 | 17.7 | 19.7 | *0.8 | 17.5 | 19.3 | *2.0 | 23.1 | 24.8 | *10.7 |
| Trouble with bunions | 26.8 | 26.9 | *26.6 | 31.2 | 29.2 | *46.0 | 35.1 | 35.9 | 30.5 | 31.3 | 32.0 | *25.2 | 28.0 | 27.9 | *25.4 |
| Bursitis, NEC | 41.2 | 42.9 | *26.6 | 43.6 | 42.1 | 60.5 | 38.1 | 39.2 | 31.9 | 39.6 | 41.2 | *29.5 | 42.3 | 43.7 | 35.6 |
| Dermatitis | 30.6 | 32.3 | *13.8 | 28.9 | 30.6 | *6.9 | 32.3 | 34.5 | *9.5 | 33.8 | 36.3 | *13.4 | 36.7 | 38.7 | *19.7 |
| Trouble with ingrown nails | 39.7 | 39.9 | *36.2 | 38.9 | 38.5 | *47.2 | 39.9 | 40.6 | 35.6 | 44.3 | 44.0 | 49.2 | 45.1 | 44.5 | 49.0 |
| Trouble with corns or calluses | 48.4 | 46.7 | 71.7 | 37.3 | 34.6 | 70.2 | 44.7 | 42.3 | 74.1 | 42.6 | 40.8 | 63.5 | 40.4 | 39.8 | 53.9 |
| Malignant skin neoplasms | 17.3 | 19.2 | *- | 34.1 | 37.9 | *1.0 | 36.0 | 40.1 | *- | 34.3 | 38.3 | *- | 34.4 | 38.4 | *1.8 |

Table 15. Average annual rate of selected respondent-reported chronic skin and musculoskeletal conditions, by race, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|-------------------------------------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75–84 years | | | | | | | | | | | | | | | |
| Arthritis | 497.7 | 494.8 | 574.3 | 516.0 | 508.8 | 630.2 | 537.2 | 533.9 | 580.9 | 544.2 | 545.7 | 537.5 | 536.5 | 539.1 | 509.0 |
| Gout | 44.5 | 37.1 | 133.1 | 34.8 | 34.8 | *23.9 | 30.3 | 29.1 | *50.0 | 33.0 | 31.6 | *54.1 | 29.6 | 26.8 | *66.7 |
| Intervertebral disk disorders | 12.8 | 13.5 | *7.2 | 20.9 | 22.6 | *4.9 | 21.5 | 22.5 | *13.1 | 20.9 | 21.9 | *5.6 | 22.0 | 22.0 | *17.3 |
| Bone spur or tendinitis, NOS | 12.5 | 13.1 | *— | 12.0 | 13.3 | *— | 11.4 | 10.3 | *26.2 | 14.2 | 14.5 | *13.2 | 17.1 | 17.6 | *13.7 |
| Trouble with bunions | 30.7 | 31.4 | *19.5 | 36.2 | 36.6 | *29.3 | 32.2 | 32.7 | *31.6 | 36.8 | 37.1 | *34.9 | 38.8 | 39.4 | *33.9 |
| Bursitis, NEC | 38.3 | 41.1 | *12.3 | 32.0 | 33.2 | *23.7 | 43.0 | 45.1 | *26.3 | 37.7 | 39.0 | *29.9 | 36.7 | 36.6 | *44.8 |
| Dermatitis | 31.3 | 33.9 | *6.3 | 31.3 | 32.9 | *14.3 | 27.7 | 28.3 | *10.3 | 26.9 | 27.5 | *10.0 | 22.4 | 23.5 | *— |
| Trouble with ingrown nails | 46.9 | 45.8 | *59.4 | 59.6 | 58.7 | *69.4 | 56.3 | 56.3 | *57.9 | 54.1 | 52.5 | 73.9 | 53.5 | 51.8 | 76.6 |
| Trouble with corns or calluses ... | 56.0 | 56.5 | *52.0 | 62.1 | 62.8 | *65.6 | 45.6 | 44.0 | *63.2 | 53.9 | 53.4 | *62.2 | 54.0 | 54.6 | *50.5 |
| Malignant skin neoplasms | 15.4 | 17.0 | *— | 40.2 | 44.4 | *— | 46.2 | 51.0 | *— | 54.1 | 59.7 | *— | 52.0 | 57.4 | *— |
| 65 years and over | | | | | | | | | | | | | | | |
| Arthritis | 485.7 | 479.8 | 571.8 | 478.5 | 472.4 | 579.8 | 479.5 | 480.9 | 504.6 | 479.3 | 481.1 | 497.7 | 479.0 | 482.4 | 478.5 |
| Gout | 37.3 | 33.4 | 79.1 | 34.9 | 33.3 | 49.8 | 29.4 | 28.1 | 47.7 | 30.1 | 28.5 | 53.7 | 30.3 | 28.6 | 52.7 |
| Intervertebral disk disorders | 25.4 | 25.3 | *30.1 | 25.0 | 25.9 | *19.2 | 27.3 | 28.8 | *14.6 | 28.0 | 29.6 | *13.5 | 28.8 | 29.8 | *19.6 |
| Bone spur or tendinitis, NOS | 13.5 | 14.3 | *4.0 | 13.0 | 14.1 | *3.9 | 15.4 | 16.3 | *9.5 | 16.0 | 17.3 | *5.2 | 20.1 | 21.4 | *10.8 |
| Trouble with bunions | 30.1 | 30.2 | *29.8 | 33.6 | 32.8 | 37.9 | 35.3 | 36.2 | 30.5 | 34.7 | 35.5 | 28.2 | 31.6 | 32.0 | 27.0 |
| Bursitis, NEC | 39.6 | 41.5 | *22.1 | 37.7 | 37.0 | 46.8 | 38.8 | 40.1 | 30.6 | 38.2 | 39.6 | 29.2 | 40.1 | 41.1 | 36.6 |
| Dermatitis | 31.4 | 33.4 | *10.6 | 28.7 | 30.2 | *9.7 | 31.2 | 33.0 | *9.1 | 32.4 | 34.3 | *11.4 | 33.7 | 35.3 | *13.3 |
| Trouble with ingrown nails | 42.6 | 42.0 | 49.3 | 45.7 | 45.6 | 50.8 | 47.5 | 48.3 | 42.2 | 49.9 | 49.4 | 58.0 | 49.6 | 48.6 | 60.5 |
| Trouble with corns or calluses ... | 53.9 | 52.9 | 67.7 | 45.3 | 43.9 | 66.9 | 45.3 | 43.0 | 73.1 | 46.8 | 45.5 | 63.5 | 45.3 | 45.0 | 55.8 |
| Malignant skin neoplasms | 17.6 | 19.5 | *— | 36.3 | 40.1 | *0.7 | 39.6 | 44.0 | *— | 41.8 | 46.2 | *1.1 | 41.3 | 45.6 | *2.2 |
| 75 years and over | | | | | | | | | | | | | | | |
| Arthritis | 501.9 | 499.4 | 566.7 | 515.6 | 510.7 | 608.9 | 546.6 | 546.6 | 568.7 | 555.1 | 557.0 | 548.0 | 549.6 | 550.9 | 545.2 |
| Gout | 41.3 | 35.0 | 117.8 | 32.1 | 31.5 | *30.4 | 27.7 | 26.8 | *43.1 | 30.7 | 29.8 | *46.6 | 29.1 | 26.9 | 59.8 |
| Intervertebral disk disorders | 13.6 | 12.4 | *28.7 | 17.6 | 19.1 | *4.0 | 20.4 | 21.4 | *12.3 | 21.7 | 22.5 | *9.4 | 21.5 | 21.7 | *16.8 |
| Bone spur or tendinitis, NOS | 12.1 | 12.7 | *— | 10.6 | 11.7 | *— | 11.9 | 11.0 | *24.3 | 13.6 | 14.1 | *10.7 | 15.6 | 16.3 | *10.9 |
| Trouble with bunions | 35.5 | 35.4 | *35.3 | 37.5 | 38.7 | *24.0 | 35.7 | 36.7 | *30.6 | 40.0 | 40.8 | *33.3 | 37.1 | 38.0 | *29.7 |
| Bursitis, NEC | 37.0 | 39.4 | *14.5 | 28.3 | 28.9 | *23.0 | 39.9 | 41.6 | *28.3 | 36.0 | 37.2 | *28.7 | 36.7 | 37.1 | *38.2 |
| Dermatitis | 32.7 | 35.0 | *5.2 | 28.3 | 29.5 | *14.6 | 29.6 | 30.6 | *8.3 | 30.2 | 31.2 | *8.1 | 29.2 | 30.2 | *2.6 |
| Trouble with ingrown nails | 47.5 | 45.5 | *71.6 | 56.6 | 56.8 | *57.0 | 59.4 | 60.3 | 53.5 | 58.5 | 57.7 | 73.0 | 56.4 | 54.9 | 79.9 |
| Trouble with corns or calluses ... | 62.7 | 63.1 | *60.9 | 58.1 | 58.8 | *61.2 | 46.3 | 44.2 | 71.3 | 53.2 | 52.7 | 63.4 | 52.9 | 52.8 | 59.0 |
| Malignant skin neoplasms | 18.1 | 19.9 | *— | 39.6 | 43.7 | *— | 45.4 | 50.1 | *— | 53.4 | 58.2 | *3.1 | 51.8 | 56.5 | *3.0 |

¹Data include races other than white and black.

NOTES: NOS is not otherwise specified. NEC is not elsewhere classified.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 16. Average annual number of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | | |
|--|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|--|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | |
| Number of conditions in thousands | | | | | | | | | | | | | | | | |
| All ages | | | | | | | | | | | | | | | | |
| Ischemic heart disease | 6,741 | 3,939 | 2,803 | 6,931 | 3,997 | 2,934 | 7,362 | 4,458 | 2,904 | 7,324 | 4,450 | 2,874 | 7,727 | 4,661 | 3,066 | |
| Heart rhythm problems: | | | | | | | | | | | | | | | | |
| Tachycardia | 1,929 | 673 | 1,255 | 1,831 | 565 | 1,265 | 1,771 | 598 | 1,173 | 1,895 | 621 | 1,274 | 1,910 | 638 | 1,272 | |
| Heart murmurs | 3,818 | 1,422 | 2,397 | 4,288 | 1,588 | 2,700 | 4,139 | 1,572 | 2,567 | 4,100 | 1,552 | 2,548 | 4,272 | 1,577 | 2,695 | |
| Other rhythm disorders | 1,418 | 573 | 845 | 1,421 | 609 | 813 | 1,606 | 678 | 928 | 1,611 | 660 | 952 | 1,679 | 685 | 994 | |
| Other heart diseases | 3,903 | 1,730 | 2,173 | 3,981 | 1,659 | 2,322 | 3,774 | 1,566 | 2,208 | 3,792 | 1,586 | 2,206 | 4,145 | 1,835 | 2,310 | |
| Hypertension | 27,691 | 11,531 | 16,161 | 28,836 | 12,604 | 16,232 | 28,015 | 12,090 | 15,925 | 27,529 | 11,776 | 15,753 | 27,580 | 12,219 | 15,361 | |
| Cerebrovascular disease | 2,362 | 1,154 | 1,208 | 2,739 | 1,291 | 1,447 | 2,674 | 1,305 | 1,370 | 2,788 | 1,290 | 1,498 | 3,000 | 1,449 | 1,551 | |
| Hardening of the arteries | 3,156 | 1,547 | 1,610 | 2,610 | 1,335 | 1,275 | 2,323 | 1,202 | 1,122 | 2,045 | 1,022 | 1,023 | 2,072 | 1,028 | 1,044 | |
| Phlebitis, thrombophlebitis | 858 | 265 | 593 | 885 | 247 | 638 | 806 | 247 | 559 | 778 | 263 | 516 | 726 | 245 | 481 | |
| Varicose veins of lower extremities .. | 6,969 | 1,311 | 5,658 | 7,112 | 1,358 | 5,755 | 7,381 | 1,435 | 5,946 | 7,483 | 1,415 | 6,068 | 7,398 | 1,465 | 5,933 | |
| Hemorrhoids | 10,497 | 4,656 | 5,841 | 10,251 | 4,630 | 5,621 | 10,658 | 4,627 | 6,031 | 10,077 | 4,343 | 5,734 | 9,435 | 4,107 | 5,328 | |
| 55-64 years | | | | | | | | | | | | | | | | |
| Ischemic heart disease | 2,053 | 1,383 | 670 | 1,808 | 1,212 | 596 | 2,045 | 1,455 | 590 | 1,921 | 1,397 | 524 | 1,963 | 1,388 | 576 | |
| Heart rhythm problems: | | | | | | | | | | | | | | | | |
| Tachycardia | 427 | 195 | 232 | 265 | 98 | 167 | 328 | 115 | 213 | 306 | 115 | 191 | 353 | 135 | 218 | |
| Heart murmurs | 363 | 106 | 258 | 382 | 122 | 260 | 393 | 115 | 279 | 407 | 133 | 275 | 424 | 132 | 292 | |
| Other rhythm disorders | 277 | 127 | 150 | 303 | 143 | 160 | 314 | 122 | 191 | 243 | 94 | 148 | 228 | 89 | 139 | |
| Other heart diseases | 893 | 430 | 462 | 701 | 337 | 365 | 702 | 358 | 344 | 751 | 396 | 355 | 790 | 432 | 358 | |
| Hypertension | 6,749 | 2,994 | 3,755 | 6,673 | 2,980 | 3,692 | 6,316 | 2,770 | 3,546 | 6,247 | 2,844 | 3,404 | 6,254 | 2,925 | 3,329 | |
| Cerebrovascular disease | 500 | 281 | 219 | 541 | 285 | 256 | 546 | 309 | 237 | 525 | 269 | 256 | 533 | 271 | 262 | |
| Hardening of the arteries | 684 | 394 | 290 | 572 | 416 | 156 | 554 | 338 | 215 | 467 | 261 | 206 | 376 | 191 | 185 | |
| Phlebitis, thrombophlebitis | 206 | *70 | 136 | 172 | *58 | 114 | 169 | 62 | 107 | 180 | 70 | 110 | 142 | *51 | 92 | |
| Varicose veins of lower extremities .. | 1,481 | 373 | 1,109 | 1,312 | 269 | 1,043 | 1,358 | 283 | 1,075 | 1,326 | 260 | 1,066 | 1,254 | 298 | 956 | |
| Hemorrhoids | 1,638 | 798 | 840 | 1,677 | 824 | 852 | 1,738 | 801 | 937 | 1,632 | 728 | 904 | 1,561 | 763 | 799 | |
| 65-74 years | | | | | | | | | | | | | | | | |
| Ischemic heart disease | 2,201 | 1,253 | 948 | 2,249 | 1,307 | 942 | 2,234 | 1,262 | 971 | 2,267 | 1,299 | 969 | 2,410 | 1,458 | 952 | |
| Heart rhythm problems: | | | | | | | | | | | | | | | | |
| Tachycardia | 419 | 154 | 264 | 481 | 133 | 348 | 376 | 105 | 271 | 413 | 125 | 288 | 414 | 143 | 271 | |
| Heart murmurs | 317 | 114 | 203 | 388 | 145 | 242 | 368 | 137 | 232 | 323 | 122 | 201 | 346 | 140 | 206 | |
| Other rhythm disorders | 340 | 110 | 229 | 388 | 185 | 203 | 444 | 211 | 233 | 408 | 178 | 230 | 429 | 161 | 267 | |
| Other heart diseases | 1,061 | 541 | 520 | 1,001 | 466 | 534 | 1,019 | 479 | 539 | 980 | 474 | 506 | 1,087 | 516 | 571 | |
| Hypertension | 6,319 | 2,349 | 3,970 | 6,820 | 2,695 | 4,125 | 6,598 | 2,457 | 4,141 | 6,714 | 2,479 | 4,235 | 6,658 | 2,580 | 4,078 | |
| Cerebrovascular disease | 671 | 371 | 300 | 847 | 444 | 403 | 788 | 435 | 353 | 911 | 477 | 434 | 1,058 | 570 | 487 | |
| Hardening of the arteries | 1,093 | 555 | 538 | 831 | 416 | 415 | 737 | 374 | 363 | 659 | 333 | 327 | 731 | 369 | 362 | |
| Phlebitis, thrombophlebitis | 206 | *61 | 146 | 170 | *58 | 113 | 177 | 55 | 122 | 165 | 64 | 102 | 172 | 59 | 113 | |
| Varicose veins of lower extremities .. | 1,252 | 234 | 1,018 | 1,286 | 356 | 930 | 1,282 | 342 | 940 | 1,390 | 342 | 1,047 | 1,339 | 300 | 1,040 | |
| Hemorrhoids | 1,371 | 561 | 811 | 1,196 | 508 | 688 | 1,222 | 446 | 775 | 1,310 | 513 | 798 | 1,202 | 512 | 690 | |

Table 16. Average annual number of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75–84 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 1,081 | 415 | 667 | 1,245 | 526 | 719 | 1,558 | 800 | 758 | 1,555 | 812 | 743 | 1,640 | 830 | 810 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 219 | *28 | 191 | 194 | *46 | 148 | 199 | *45 | 154 | 243 | *48 | 195 | 263 | *51 | 212 |
| Heart murmurs | 194 | *50 | 144 | 222 | *58 | 163 | 226 | 82 | 144 | 224 | 82 | 141 | 243 | 73 | 170 |
| Other rhythm disorders | 261 | 97 | 164 | 234 | 98 | 135 | 260 | 95 | 165 | 310 | 95 | 215 | 348 | 133 | 215 |
| Other heart diseases | 751 | 235 | 517 | 778 | 235 | 543 | 828 | 285 | 543 | 816 | 270 | 546 | 883 | 324 | 559 |
| Hypertension | 3,179 | 888 | 2,291 | 3,365 | 936 | 2,429 | 3,505 | 1,014 | 2,491 | 3,534 | 1,073 | 2,461 | 3,540 | 1,117 | 2,423 |
| Cerebrovascular disease | 646 | 263 | 384 | 687 | 287 | 400 | 635 | 255 | 380 | 671 | 277 | 395 | 729 | 311 | 418 |
| Hardening of the arteries | 823 | 310 | 513 | 699 | 280 | 419 | 632 | 273 | 359 | 555 | 247 | 308 | 559 | 244 | 315 |
| Phlebitis, thrombophlebitis | 87 | *17 | *69 | 95 | *28 | *67 | 137 | *35 | 102 | 146 | 51 | 94 | 121 | *46 | 75 |
| Varicose veins of lower extremities .. | 659 | 134 | 525 | 645 | 113 | 532 | 825 | 179 | 645 | 762 | 144 | 618 | 779 | 162 | 616 |
| Hemorrhoids | 487 | 175 | 312 | 569 | 228 | 341 | 526 | 133 | 393 | 514 | 119 | 395 | 542 | 151 | 391 |
| 65 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 3,511 | 1,760 | 1,751 | 3,824 | 1,981 | 1,844 | 4,109 | 2,184 | 1,925 | 4,194 | 2,251 | 1,943 | 4,435 | 2,408 | 2,027 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 682 | 197 | 485 | 755 | 199 | 556 | 631 | 161 | 470 | 729 | 181 | 548 | 750 | 202 | 548 |
| Heart murmurs | 566 | 179 | 387 | 645 | 217 | 428 | 650 | 242 | 408 | 600 | 224 | 376 | 641 | 230 | 410 |
| Other rhythm disorders | 674 | 215 | 459 | 662 | 289 | 373 | 779 | 349 | 429 | 827 | 316 | 511 | 897 | 343 | 554 |
| Other heart diseases | 2,070 | 853 | 1,217 | 2,084 | 811 | 1,273 | 2,087 | 823 | 1,264 | 2,033 | 789 | 1,243 | 2,260 | 910 | 1,350 |
| Hypertension | 10,231 | 3,379 | 6,852 | 10,838 | 3,769 | 7,070 | 10,936 | 3,670 | 7,266 | 11,128 | 3,750 | 7,378 | 11,091 | 3,923 | 7,169 |
| Cerebrovascular disease | 1,503 | 694 | 809 | 1,701 | 778 | 923 | 1,660 | 777 | 883 | 1,817 | 840 | 977 | 2,026 | 976 | 1,050 |
| Hardening of the arteries | 2,180 | 932 | 1,248 | 1,764 | 761 | 1,003 | 1,546 | 706 | 839 | 1,387 | 632 | 755 | 1,471 | 676 | 795 |
| Phlebitis, thrombophlebitis | 310 | 82 | 228 | 275 | 91 | 184 | 330 | 95 | 235 | 324 | 116 | 208 | 328 | 110 | 218 |
| Varicose veins of lower extremities .. | 2,068 | 389 | 1,679 | 2,077 | 506 | 1,570 | 2,262 | 557 | 1,705 | 2,298 | 525 | 1,773 | 2,264 | 498 | 1,766 |
| Hemorrhoids | 1,972 | 773 | 1,199 | 1,871 | 770 | 1,101 | 1,879 | 623 | 1,256 | 1,945 | 664 | 1,280 | 1,882 | 695 | 1,188 |
| 75 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 1,310 | 507 | 803 | 1,575 | 674 | 901 | 1,876 | 922 | 954 | 1,927 | 952 | 975 | 2,025 | 950 | 1,075 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 263 | *43 | 220 | 274 | *65 | 209 | 255 | 56 | 199 | 316 | 56 | 260 | 336 | 59 | 277 |
| Heart murmurs | 249 | *66 | 184 | 257 | 71 | 186 | 282 | 105 | 177 | 278 | 102 | 175 | 295 | 91 | 204 |
| Other rhythm disorders | 334 | 104 | 230 | 274 | 105 | 170 | 335 | 139 | 196 | 419 | 138 | 281 | 469 | 182 | 287 |
| Other heart diseases | 1,009 | 312 | 697 | 1,083 | 345 | 738 | 1,069 | 344 | 725 | 1,053 | 315 | 738 | 1,173 | 394 | 779 |
| Hypertension | 3,912 | 1,030 | 2,882 | 4,018 | 1,074 | 2,945 | 4,338 | 1,213 | 3,125 | 4,414 | 1,272 | 3,142 | 4,433 | 1,342 | 3,091 |
| Cerebrovascular disease | 832 | 323 | 509 | 853 | 333 | 520 | 872 | 342 | 530 | 906 | 364 | 542 | 968 | 405 | 563 |
| Hardening of the arteries | 1,086 | 377 | 709 | 933 | 345 | 587 | 809 | 333 | 476 | 728 | 299 | 429 | 740 | 307 | 434 |
| Phlebitis, thrombophlebitis | 103 | *21 | 82 | 104 | *33 | 71 | 153 | *40 | 113 | 159 | 52 | 107 | 155 | *51 | 105 |
| Varicose veins of lower extremities .. | 816 | 154 | 662 | 791 | 150 | 641 | 980 | 215 | 765 | 908 | 183 | 725 | 925 | 199 | 727 |
| Hemorrhoids | 601 | 213 | 388 | 675 | 263 | 413 | 658 | 177 | 481 | 634 | 152 | 483 | 680 | 183 | 497 |

Table 16. Average annual number of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 228 | 92 | 136 | 330 | 148 | 182 | 318 | 122 | 196 | 372 | 140 | 231 | 385 | 120 | 265 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | *44 | *15 | *29 | 80 | *19 | *61 | 57 | *11 | *45 | 73 | *8 | 65 | 73 | *8 | 65 |
| Heart murmurs | *55 | *15 | *40 | *35 | *13 | *23 | 56 | *24 | *33 | 54 | *20 | *34 | *52 | *18 | *34 |
| Other rhythm disorders | *73 | *7 | *66 | *40 | *6 | *34 | 75 | *44 | *31 | 109 | *42 | 66 | 121 | *49 | 72 |
| Other heart diseases | 258 | *77 | 180 | 306 | 111 | 195 | 241 | 58 | 182 | 237 | *46 | 191 | 290 | 70 | 220 |
| Hypertension | 733 | 142 | 591 | 653 | 138 | 515 | 833 | 199 | 634 | 880 | 199 | 681 | 893 | 225 | 668 |
| Cerebrovascular disease | 186 | *60 | 125 | 166 | *46 | 120 | 237 | 87 | 150 | 234 | 87 | 148 | 238 | 94 | 144 |
| Hardening of the arteries | 264 | *67 | 196 | 233 | *65 | 168 | 177 | 60 | 117 | 173 | 52 | 120 | 181 | 62 | 119 |
| Phlebitis, thrombophlebitis | *17 | *4 | *12 | *10 | *5 | *5 | *15 | *4 | *11 | *13 | *1 | *12 | *35 | *4 | *30 |
| Varicose veins of lower extremities .. | 157 | *20 | 137 | 146 | *37 | 108 | 155 | *35 | 120 | 146 | *39 | 107 | 147 | *36 | 110 |
| Hemorrhoids | 114 | *38 | *76 | 107 | *35 | 72 | 131 | *44 | 87 | 120 | *32 | 88 | 138 | *32 | 106 |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 17. Average annual rate of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | Rate per 1,000 persons | | | | | | | | | | | | | | |
| Ischemic heart disease | 29.4 | 35.6 | 23.6 | 29.3 | 35.0 | 24.0 | 30.2 | 37.8 | 23.1 | 29.8 | 37.3 | 22.7 | 31.1 | 38.6 | 24.0 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 8.4 | 6.1 | 10.6 | 7.8 | 5.0 | 10.4 | 7.3 | 5.1 | 9.3 | 7.7 | 5.2 | 10.1 | 7.7 | 5.3 | 9.9 |
| Heart murmurs | 16.6 | 12.8 | 20.2 | 18.2 | 13.9 | 22.1 | 17.0 | 13.3 | 20.5 | 16.7 | 13.0 | 20.1 | 17.2 | 13.1 | 21.1 |
| Other rhythm disorders | 6.2 | 5.2 | 7.1 | 6.0 | 5.3 | 6.7 | 6.6 | 5.7 | 7.4 | 6.5 | 5.5 | 7.5 | 6.8 | 5.7 | 7.8 |
| Other heart disease | 17.0 | 15.6 | 18.3 | 16.9 | 14.5 | 19.0 | 15.5 | 13.3 | 17.6 | 15.4 | 13.3 | 17.4 | 16.7 | 15.2 | 18.0 |
| Hypertension | 120.7 | 104.2 | 136.2 | 122.1 | 110.4 | 133.1 | 115.0 | 102.4 | 126.9 | 111.9 | 98.7 | 124.3 | 110.9 | 101.2 | 120.0 |
| Cerebrovascular disease | 10.3 | 10.4 | 10.2 | 11.6 | 11.3 | 11.9 | 11.0 | 11.1 | 10.9 | 11.3 | 10.8 | 11.8 | 12.1 | 12.0 | 12.1 |
| Hardening of the arteries | 13.8 | 14.0 | 13.6 | 11.0 | 11.7 | 10.5 | 9.5 | 10.2 | 8.9 | 8.3 | 8.6 | 8.1 | 8.3 | 8.5 | 8.2 |
| Phlebitis, thrombophlebitis | 3.7 | 2.4 | 5.0 | 3.7 | 2.2 | 5.2 | 3.3 | 2.1 | 4.5 | 3.2 | 2.2 | 4.1 | 2.9 | 2.0 | 3.8 |
| Varicose veins of lower extremities .. | 30.4 | 11.8 | 47.7 | 30.1 | 11.9 | 47.2 | 30.3 | 12.2 | 47.4 | 30.4 | 11.9 | 47.9 | 29.7 | 12.1 | 46.4 |
| Hemorrhoids | 45.8 | 42.1 | 49.2 | 43.4 | 40.5 | 46.1 | 43.8 | 39.2 | 48.1 | 40.9 | 36.4 | 45.2 | 37.9 | 34.0 | 41.6 |
| 55-64 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 93.4 | 134.8 | 57.1 | 82.2 | 117.3 | 51.0 | 95.3 | 143.9 | 52.1 | 90.3 | 138.9 | 46.7 | 92.8 | 138.5 | 51.7 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 19.4 | 19.0 | 19.8 | 12.0 | 9.5 | 14.3 | 15.3 | 11.4 | 18.8 | 14.4 | 11.5 | 17.0 | 16.7 | 13.4 | 19.6 |
| Heart murmurs | 16.5 | 10.3 | 22.0 | 17.4 | 11.8 | 22.3 | 18.3 | 11.3 | 24.6 | 19.1 | 13.2 | 24.4 | 20.0 | 13.2 | 26.2 |
| Other rhythm disorders | 12.6 | 12.4 | 12.8 | 13.8 | 13.9 | 13.7 | 14.6 | 12.1 | 16.9 | 11.4 | 9.4 | 13.2 | 10.8 | 8.9 | 12.5 |
| Other heart disease | 40.6 | 42.0 | 39.4 | 31.9 | 32.6 | 31.2 | 32.8 | 35.4 | 30.4 | 35.3 | 39.4 | 31.6 | 37.3 | 43.1 | 32.1 |
| Hypertension | 306.9 | 292.0 | 320.0 | 303.3 | 288.5 | 316.4 | 294.5 | 273.9 | 312.9 | 293.5 | 282.8 | 303.1 | 295.5 | 292.0 | 298.7 |
| Cerebrovascular disease | 22.7 | 27.4 | 18.7 | 24.6 | 27.6 | 21.9 | 25.5 | 30.5 | 20.9 | 24.7 | 26.7 | 22.8 | 25.2 | 27.1 | 23.5 |
| Hardening of the arteries | 31.1 | 38.4 | 24.7 | 26.0 | 40.3 | 13.4 | 25.8 | 33.4 | 19.0 | 21.9 | 26.0 | 18.3 | 17.8 | 19.1 | 16.6 |
| Phlebitis, thrombophlebitis | 9.3 | *6.8 | 11.6 | 7.8 | *5.6 | 9.8 | 7.9 | 6.1 | 9.4 | 8.4 | 6.9 | 9.8 | 6.7 | *5.1 | 8.2 |
| Varicose veins of lower extremities .. | 67.4 | 36.4 | 94.5 | 59.6 | 26.0 | 89.4 | 63.3 | 28.0 | 94.9 | 62.3 | 25.8 | 94.9 | 59.2 | 29.8 | 85.8 |
| Hemorrhoids | 74.5 | 77.9 | 71.5 | 76.2 | 79.8 | 73.0 | 81.1 | 79.2 | 82.7 | 76.7 | 72.4 | 30.5 | 73.8 | 76.1 | 71.7 |
| 65-74 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 137.1 | 179.7 | 104.4 | 132.3 | 174.5 | 99.1 | 125.2 | 159.0 | 98.1 | 125.4 | 161.1 | 96.8 | 131.8 | 178.3 | 94.1 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 26.1 | 22.1 | 29.1 | 28.3 | 17.8 | 36.6 | 21.1 | 13.2 | 27.4 | 22.8 | 15.4 | 28.8 | 22.7 | 17.5 | 26.8 |
| Heart murmurs | 19.7 | 16.3 | 22.4 | 22.8 | 19.4 | 25.5 | 20.6 | 17.2 | 23.3 | 17.9 | 15.1 | 20.1 | 18.9 | 17.1 | 20.4 |
| Other rhythm disorders | 21.2 | 15.9 | 25.2 | 22.8 | 24.7 | 21.4 | 24.9 | 26.5 | 23.6 | 22.6 | 22.1 | 23.0 | 23.4 | 19.7 | 26.4 |
| Other heart disease | 66.1 | 77.6 | 57.2 | 58.9 | 62.3 | 56.2 | 57.1 | 60.4 | 54.5 | 54.2 | 58.8 | 50.5 | 59.5 | 63.1 | 56.5 |
| Hypertension | 393.6 | 337.0 | 437.0 | 401.3 | 359.9 | 433.9 | 370.1 | 309.5 | 418.6 | 371.5 | 307.4 | 423.1 | 364.0 | 315.5 | 403.3 |
| Cerebrovascular disease | 41.8 | 53.2 | 33.0 | 49.9 | 59.3 | 42.4 | 44.2 | 54.8 | 35.6 | 50.4 | 59.1 | 43.4 | 57.8 | 69.7 | 48.2 |
| Hardening of the arteries | 68.1 | 79.6 | 59.2 | 48.9 | 55.5 | 43.7 | 41.3 | 47.1 | 36.7 | 36.5 | 41.2 | 32.6 | 40.0 | 45.1 | 35.8 |
| Phlebitis, thrombophlebitis | 12.9 | *8.7 | 16.1 | 10.0 | *7.7 | 11.9 | 9.9 | 6.9 | 12.3 | 9.1 | 7.9 | 10.1 | 9.4 | 7.2 | 11.2 |
| Varicose veins of lower extremities .. | 78.0 | 33.6 | 112.0 | 75.7 | 47.6 | 97.8 | 71.9 | 43.1 | 95.0 | 76.9 | 42.4 | 104.6 | 73.2 | 36.6 | 102.8 |
| Hemorrhoids | 85.4 | 80.5 | 89.2 | 70.4 | 67.8 | 72.4 | 68.5 | 56.2 | 78.4 | 72.5 | 63.6 | 79.7 | 65.7 | 62.6 | 68.3 |

Table 17. Average annual rate of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75–84 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 135.4 | 137.4 | 134.3 | 146.0 | 163.5 | 135.3 | 169.9 | 227.6 | 124.0 | 165.9 | 224.7 | 129.1 | 171.9 | 222.4 | 139.4 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 27.4 | *9.2 | 38.5 | 22.8 | *14.3 | 27.9 | 21.7 | *12.8 | 27.2 | 25.9 | *13.2 | 33.9 | 27.5 | *13.7 | 36.5 |
| Heart murmurs | 24.3 | *16.6 | 29.0 | 26.0 | *18.2 | 30.7 | 24.6 | 23.2 | 25.5 | 23.8 | 22.7 | 24.6 | 25.4 | 19.4 | 29.3 |
| Other rhythm disorders | 32.7 | 32.0 | 33.1 | 27.4 | 30.6 | 25.4 | 28.3 | 27.0 | 29.1 | 33.1 | 26.4 | 37.3 | 36.4 | 35.6 | 37.0 |
| Other heart disease | 94.1 | 77.8 | 104.0 | 91.1 | 72.9 | 102.2 | 90.3 | 81.2 | 96.0 | 87.1 | 74.6 | 94.9 | 92.5 | 86.8 | 96.2 |
| Hypertension | 398.1 | 294.2 | 461.3 | 394.4 | 290.8 | 457.1 | 382.3 | 288.6 | 440.4 | 377.1 | 296.8 | 427.5 | 371.1 | 299.6 | 417.0 |
| Cerebrovascular disease | 80.9 | 87.0 | 77.2 | 80.5 | 89.3 | 75.2 | 69.3 | 75.2 | 67.3 | 71.6 | 76.5 | 68.5 | 76.5 | 83.4 | 72.0 |
| Hardening of the arteries | 103.1 | 102.7 | 103.3 | 82.0 | 87.0 | 78.9 | 68.9 | 77.6 | 63.5 | 59.3 | 68.3 | 53.6 | 58.6 | 65.5 | 54.2 |
| Phlebitis, thrombophlebitis | 10.8 | *5.7 | *14.0 | 11.1 | *8.7 | *12.5 | 15.0 | *10.0 | 18.1 | 15.6 | 14.2 | 16.4 | 12.7 | *12.4 | 12.8 |
| Varicose veins of lower extremities .. | 82.6 | 44.5 | 105.7 | 75.6 | 35.0 | 100.1 | 89.9 | 51.0 | 114.1 | 81.2 | 39.8 | 107.3 | 81.6 | 43.5 | 106.0 |
| Hemorrhoids | 61.0 | 57.9 | 62.9 | 66.7 | 70.9 | 64.1 | 57.4 | 37.9 | 69.6 | 54.8 | 33.0 | 68.5 | 56.8 | 40.4 | 67.4 |
| 65 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 135.5 | 166.4 | 114.2 | 138.7 | 174.2 | 113.8 | 140.6 | 179.8 | 112.7 | 140.9 | 181.5 | 111.9 | 146.4 | 190.3 | 115.0 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 26.3 | 18.6 | 31.6 | 27.4 | 17.5 | 34.3 | 21.6 | 13.2 | 27.5 | 24.5 | 14.6 | 31.6 | 24.8 | 16.0 | 61.1 |
| Heart murmurs | 21.9 | 17.0 | 25.2 | 23.4 | 19.0 | 26.4 | 22.2 | 19.9 | 23.9 | 20.2 | 18.1 | 21.7 | 21.2 | 18.2 | 23.3 |
| Other rhythm disorders | 26.0 | 20.3 | 29.9 | 24.0 | 25.4 | 23.0 | 26.6 | 28.7 | 25.1 | 27.8 | 25.5 | 29.4 | 29.6 | 27.1 | 31.4 |
| Other heart disease | 79.9 | 80.6 | 79.4 | 75.6 | 71.4 | 78.5 | 71.4 | 67.7 | 74.0 | 68.3 | 63.6 | 71.6 | 74.6 | 71.9 | 76.6 |
| Hypertension | 394.9 | 319.4 | 447.0 | 393.0 | 331.4 | 436.2 | 374.2 | 302.0 | 425.5 | 373.9 | 302.4 | 425.0 | 366.2 | 310.0 | 406.5 |
| Cerebrovascular disease | 58.0 | 65.6 | 52.8 | 61.7 | 68.4 | 57.0 | 56.8 | 64.0 | 51.7 | 61.0 | 67.8 | 56.3 | 66.9 | 77.1 | 59.5 |
| Hardening of the arteries | 84.1 | 88.1 | 81.4 | 64.0 | 66.9 | 61.9 | 82.9 | 58.1 | 49.1 | 46.6 | 51.0 | 43.5 | 48.6 | 53.4 | 45.1 |
| Phlebitis, thrombophlebitis | 12.0 | 7.7 | 14.9 | 10.0 | 8.0 | 11.4 | 11.3 | 7.8 | 13.8 | 10.9 | 9.4 | 12.0 | 10.8 | 8.7 | 12.4 |
| Varicose veins of lower extremities .. | 79.8 | 36.8 | 109.5 | 75.3 | 44.5 | 96.9 | 77.4 | 45.9 | 99.8 | 77.2 | 42.3 | 102.1 | 74.8 | 39.4 | 100.1 |
| Hemorrhoids | 76.1 | 73.1 | 78.2 | 67.9 | 67.7 | 67.9 | 64.3 | 51.3 | 73.6 | 65.3 | 53.6 | 73.7 | 62.1 | 54.9 | 67.3 |
| 75 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 133.0 | 140.5 | 128.6 | 148.9 | 173.6 | 134.6 | 164.6 | 218.8 | 132.8 | 164.9 | 219.5 | 132.6 | 168.8 | 212.3 | 142.9 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 26.7 | *11.9 | 35.2 | 25.9 | *16.8 | 31.1 | 22.4 | 13.3 | 27.7 | 27.1 | 13.0 | 35.4 | 28.0 | 13.2 | 36.8 |
| Heart murmurs | 25.3 | *18.2 | 29.4 | 24.3 | 18.3 | 27.7 | 24.8 | 25.0 | 24.6 | 23.7 | 23.6 | 23.8 | 24.6 | 20.3 | 27.1 |
| Other rhythm disorders | 33.9 | 28.8 | 36.8 | 25.9 | 26.9 | 25.3 | 29.4 | 32.9 | 27.3 | 35.8 | 31.7 | 38.3 | 39.1 | 40.6 | 38.1 |
| Other heart disease | 102.4 | 86.5 | 111.6 | 102.4 | 88.9 | 110.2 | 93.8 | 81.6 | 100.9 | 90.1 | 72.7 | 100.3 | 97.7 | 88.1 | 103.5 |
| Hypertension | 397.2 | 285.5 | 461.7 | 379.7 | 276.6 | 439.5 | 380.6 | 287.9 | 435.0 | 377.6 | 293.1 | 427.5 | 369.5 | 300.0 | 410.8 |
| Cerebrovascular disease | 84.5 | 89.5 | 81.5 | 80.6 | 85.9 | 77.6 | 76.5 | 81.2 | 73.8 | 77.5 | 83.8 | 73.7 | 80.7 | 90.6 | 74.8 |
| Hardening of the arteries | 110.3 | 104.5 | 113.6 | 88.1 | 89.0 | 87.7 | 71.0 | 78.9 | 66.3 | 62.3 | 69.0 | 58.3 | 61.7 | 68.5 | 57.6 |
| Phlebitis, thrombophlebitis | 10.5 | *5.9 | 13.1 | 9.9 | *8.5 | 10.7 | 13.4 | *9.4 | 15.8 | 13.6 | 12.0 | 14.5 | 13.0 | *11.3 | 13.9 |
| Varicose veins of lower extremities .. | 82.8 | 42.8 | 106.0 | 74.7 | 38.7 | 95.6 | 86.0 | 51.0 | 106.5 | 77.7 | 42.1 | 98.6 | 77.1 | 44.4 | 96.5 |
| Hemorrhoids | 61.0 | 59.0 | 62.2 | 63.8 | 67.6 | 61.6 | 57.7 | 42.0 | 66.9 | 54.2 | 34.9 | 65.6 | 56.7 | 40.8 | 66.1 |

Table 17. Average annual rate of selected respondent-reported chronic circulatory conditions, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--|------------|--------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 122.4 | 156.7 | 106.5 | 161.0 | 222.1 | 131.6 | 142.9 | 174.5 | 128.5 | 160.5 | 193.9 | 145.3 | 156.8 | 161.4 | 154.8 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | *23.6 | *25.6 | *22.6 | 39.0 | *29.0 | *43.7 | 25.4 | *15.9 | *29.7 | 31.6 | *11.7 | 40.6 | 29.7 | *10.8 | 37.9 |
| Heart murmurs | *29.1 | *26.7 | *31.1 | *17.2 | *19.2 | *16.3 | 25.3 | *33.8 | *21.4 | 23.3 | *28.2 | *21.1 | 21.2 | *24.5 | *19.8 |
| Other rhythm disorders | *39.1 | *12.6 | *51.4 | *19.8 | *9.2 | *24.8 | 33.8 | *62.6 | *20.6 | 47.0 | *58.7 | 41.6 | 49.2 | *65.7 | 42.0 |
| Other heart disease | 138.0 | *131.2 | 141.2 | 149.2 | 166.2 | 141.1 | 108.0 | 83.6 | 119.2 | 102.3 | *63.1 | 120.1 | 118.1 | 94.6 | 128.3 |
| Hypertension | 393.0 | 241.1 | 463.3 | 318.7 | 207.7 | 372.0 | 373.7 | 284.1 | 414.7 | 380.0 | 275.0 | 427.6 | 363.3 | 30.3 | 389.7 |
| Cerebrovascular disease | 99.6 | *102.5 | 98.2 | 81.1 | *69.4 | 86.7 | 106.4 | 124.7 | 98.0 | 101.3 | 120.2 | 92.7 | 97.0 | 126.5 | 84.2 |
| Hardening of the arteries | 141.2 | *113.8 | 153.9 | 113.9 | *98.3 | 121.4 | 79.5 | 85.6 | 76.7 | 74.5 | 72.6 | 75.4 | 73.7 | 83.9 | 69.3 |
| Phlebitis, thrombophlebitis | *8.9 | *6.9 | *9.8 | *4.8 | *7.6 | *3.4 | *6.9 | *6.2 | *7.2 | *5.7 | *1.2 | *7.8 | *14.1 | *5.7 | *17.7 |
| Varicose veins of lower extremities .. | 84.0 | *34.0 | 107.1 | 71.1 | *56.4 | 78.2 | 69.7 | *50.7 | 78.4 | 63.2 | *54.0 | 67.4 | 59.7 | *48.9 | 64.4 |
| Hemorrhoids | 61.1 | *64.2 | *59.7 | 52.1 | *52.0 | 52.2 | 58.8 | *62.5 | 57.2 | 51.9 | *44.8 | 55.2 | 56.1 | *43.0 | 61.8 |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 18. Average annual number of selected respondent-reported chronic circulatory conditions by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| All ages | | | | | | | | | | | | | | | |
| Ischemic heart disease | 6,741 | 6,366 | 312 | 6,931 | 6,570 | 286 | 7,362 | 6,761 | 466 | 7,324 | 6,709 | 505 | 7,727 | 7,086 | 514 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 1,929 | 1,787 | 121 | 1,831 | 1,728 | 85 | 1,771 | 1,599 | 165 | 1,895 | 1,705 | 164 | 1,910 | 1,704 | 184 |
| Heart murmurs | 3,818 | 3,323 | 453 | 4,288 | 3,766 | 411 | 4,139 | 3,522 | 577 | 4,100 | 3,470 | 577 | 4,272 | 3,558 | 627 |
| Other rhythm disorders | 1,418 | 1,328 | *70 | 1,421 | 1,322 | 83 | 1,606 | 1,482 | 90 | 1,611 | 1,476 | 124 | 1,679 | 1,519 | 141 |
| Other heart diseases | 3,903 | 3,315 | 543 | 3,981 | 3,247 | 692 | 3,774 | 3,125 | 577 | 3,792 | 3,200 | 538 | 4,145 | 3,548 | 534 |
| Hypertension | 27,691 | 23,301 | 3,955 | 28,836 | 24,012 | 4,159 | 28,015 | 23,143 | 4,264 | 27,529 | 22,791 | 4,203 | 27,580 | 22,794 | 4,177 |
| Cerebrovascular disease | 2,362 | 2,010 | 325 | 2,739 | 2,388 | 305 | 2,674 | 2,286 | 325 | 2,788 | 2,406 | 335 | 3,000 | 2,547 | 404 |
| Hardening of the arteries | 3,156 | 2,986 | 149 | 2,610 | 2,440 | 152 | 2,323 | 2,140 | 151 | 2,045 | 1,917 | 119 | 2,072 | 1,938 | 103 |
| Phlebitis, thrombophlebitis | 858 | 782 | *77 | 885 | 789 | 96 | 806 | 716 | 85 | 778 | 671 | 102 | 726 | 647 | 75 |
| Varicose veins of lower extremities .. | 6,969 | 6,440 | 457 | 7,112 | 6,537 | 473 | 7,381 | 6,749 | 536 | 7,483 | 6,870 | 522 | 7,398 | 6,759 | 532 |
| Hemorrhoids | 10,497 | 9,566 | 791 | 10,251 | 9,191 | 875 | 10,658 | 9,505 | 899 | 10,077 | 9,025 | 872 | 9,435 | 8,453 | 776 |
| 55-64 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 2,053 | 1,935 | 93 | 1,808 | 1,703 | 101 | 2,045 | 1,839 | 153 | 1,921 | 1,735 | 160 | 1,963 | 1,763 | 161 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 427 | 390 | *37 | 265 | 246 | *19 | 328 | 288 | *39 | 306 | 262 | *32 | 353 | 305 | *35 |
| Heart murmurs | 363 | 327 | *36 | 382 | 352 | *18 | 393 | 313 | 72 | 407 | 348 | 55 | 424 | 362 | *42 |
| Other rhythm disorders | 277 | 245 | *24 | 303 | 289 | *10 | 314 | 292 | *14 | 243 | 222 | *17 | 228 | 194 | *27 |
| Other heart diseases | 893 | 745 | 139 | 701 | 549 | 152 | 702 | 554 | 129 | 751 | 603 | 131 | 790 | 639 | 138 |
| Hypertension | 6,749 | 5,789 | 868 | 6,673 | 5,654 | 869 | 6,316 | 5,200 | 983 | 6,247 | 5,153 | 994 | 6,254 | 5,129 | 976 |
| Cerebrovascular disease | 500 | 417 | *75 | 541 | 449 | 85 | 546 | 430 | 103 | 525 | 424 | 92 | 533 | 414 | 107 |
| Hardening of the arteries | 684 | 634 | *50 | 572 | 521 | *51 | 554 | 520 | *25 | 467 | 451 | *16 | 376 | 342 | *25 |
| Phlebitis, thrombophlebitis | 206 | 179 | *26 | 172 | 139 | *34 | 169 | 149 | *15 | 180 | 158 | *17 | 142 | 133 | *6 |
| Varicose veins of lower extremities .. | 1,481 | 1,375 | 88 | 1,312 | 1,196 | 76 | 1,358 | 1,235 | 100 | 1,326 | 1,202 | 95 | 1,254 | 1,128 | 97 |
| Hemorrhoids | 1,638 | 1,500 | 130 | 1,677 | 1,536 | 116 | 1,738 | 1,615 | 91 | 1,632 | 1,522 | 83 | 1,561 | 1,419 | 107 |
| 65-74 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 2,201 | 2,109 | 84 | 2,249 | 2,140 | 97 | 2,234 | 2,112 | 89 | 2,267 | 2,117 | 119 | 2,410 | 2,263 | 126 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 419 | 415 | *4 | 481 | 460 | *21 | 376 | 345 | *30 | 413 | 383 | *26 | 414 | 377 | *32 |
| Heart murmurs | 317 | 303 | *10 | 388 | 352 | *36 | 368 | 347 | *14 | 323 | 302 | *20 | 346 | 311 | *31 |
| Other rhythm disorders | 340 | 333 | *6 | 388 | 366 | *12 | 444 | 418 | *22 | 408 | 380 | *25 | 429 | 396 | *29 |
| Other heart diseases | 1,061 | 902 | 150 | 1,001 | 793 | 201 | 1,019 | 865 | 147 | 980 | 850 | 130 | 1,087 | 944 | 143 |
| Hypertension | 6,319 | 5,499 | 749 | 6,820 | 5,948 | 743 | 6,598 | 5,728 | 759 | 6,714 | 5,868 | 734 | 6,658 | 5,786 | 772 |
| Cerebrovascular disease | 671 | 577 | 89 | 847 | 742 | 90 | 788 | 682 | 87 | 911 | 801 | 90 | 1,058 | 916 | 123 |
| Hardening of the arteries | 1,093 | 1,032 | *49 | 831 | 793 | *38 | 737 | 664 | 64 | 659 | 609 | 51 | 731 | 696 | *32 |
| Phlebitis, thrombophlebitis | 206 | 201 | *5 | 170 | 152 | *18 | 177 | 157 | *19 | 165 | 143 | *22 | 172 | 166 | *6 |
| Varicose veins of lower extremities .. | 1,252 | 1,185 | *55 | 1,286 | 1,217 | *57 | 1,282 | 1,177 | 89 | 1,390 | 1,259 | 106 | 1,339 | 1,223 | 91 |
| Hemorrhoids | 1,371 | 1,300 | *58 | 1,196 | 1,109 | 83 | 1,222 | 1,099 | 105 | 1,310 | 1,212 | 83 | 1,202 | 1,107 | 84 |

Table 18. Average annual number of selected respondent-reported chronic circulatory conditions by race, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75-84 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 1,081 | 1,025 | *57 | 1,245 | 1,222 | *16 | 1,558 | 1,481 | 59 | 1,555 | 1,468 | 70 | 1,640 | 1,555 | 69 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 219 | 219 | — | 194 | 190 | *4 | 199 | 196 | *2 | 243 | 230 | *13 | 263 | 250 | *13 |
| Heart murmurs | 194 | 180 | *14 | 222 | 215 | *6 | 226 | 205 | *20 | 224 | 200 | *24 | 243 | 209 | *34 |
| Other rhythm disorders | 261 | 261 | — | 234 | 230 | *1 | 260 | 243 | *17 | 310 | 290 | *20 | 348 | 328 | *19 |
| Other heart diseases | 751 | 657 | 90 | 778 | 661 | 86 | 828 | 734 | 76 | 816 | 744 | 60 | 883 | 822 | *49 |
| Hypertension | 3,179 | 2,804 | 339 | 3,365 | 3,004 | 289 | 3,505 | 3,109 | 363 | 3,534 | 3,143 | 356 | 3,540 | 3,154 | 343 |
| Cerebrovascular disease | 646 | 555 | 84 | 687 | 620 | *52 | 635 | 574 | 52 | 671 | 593 | 72 | 729 | 639 | 84 |
| Hardening of the arteries | 823 | 792 | *26 | 699 | 657 | *38 | 632 | 598 | *29 | 555 | 525 | *26 | 559 | 529 | *26 |
| Phlebitis, thrombophlebitis | 87 | 81 | *6 | 95 | 91 | *4 | 137 | 126 | *12 | 146 | 124 | *21 | 121 | 99 | *22 |
| Varicose veins of lower extremities .. | 659 | 641 | *18 | 645 | 629 | *16 | 825 | 782 | *43 | 762 | 722 | *40 | 779 | 728 | *43 |
| Hemorrhoids | 487 | 463 | *25 | 569 | 524 | *31 | 526 | 490 | *37 | 514 | 476 | *37 | 542 | 507 | *35 |
| 65 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 3,511 | 3,352 | 151 | 3,824 | 3,682 | 122 | 4,109 | 3,865 | 185 | 4,194 | 3,912 | 224 | 4,435 | 4,155 | 233 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 682 | 678 | *4 | 755 | 729 | *26 | 631 | 598 | *32 | 729 | 680 | *45 | 750 | 691 | 55 |
| Heart murmurs | 566 | 538 | *24 | 645 | 600 | *45 | 650 | 608 | *34 | 600 | 556 | *44 | 641 | 573 | 65 |
| Other rhythm disorders | 674 | 661 | *13 | 662 | 634 | *16 | 779 | 736 | *39 | 827 | 778 | *45 | 897 | 845 | *48 |
| Other heart diseases | 2,070 | 1,790 | 263 | 2,084 | 1,723 | 324 | 2,087 | 1,790 | 269 | 2,033 | 1,779 | 242 | 2,260 | 2,001 | 248 |
| Hypertension | 10,231 | 8,978 | 1,147 | 10,838 | 9,517 | 1,092 | 10,936 | 9,563 | 1,202 | 11,128 | 9,803 | 1,160 | 11,091 | 9,766 | 1,165 |
| Cerebrovascular disease | 1,503 | 1,300 | 191 | 1,701 | 1,525 | 146 | 1,660 | 1,463 | 164 | 1,817 | 1,609 | 178 | 2,026 | 1,772 | 225 |
| Hardening of the arteries | 2,180 | 2,066 | 93 | 1,764 | 1,678 | 81 | 1,546 | 1,425 | 108 | 1,387 | 1,297 | 87 | 1,471 | 1,402 | 61 |
| Phlebitis, thrombophlebitis | 310 | 294 | *15 | 275 | 253 | *22 | 330 | 294 | *35 | 324 | 275 | *49 | 328 | 295 | *33 |
| Varicose veins of lower extremities .. | 2,068 | 1,974 | 83 | 2,077 | 1,986 | 78 | 2,262 | 2,108 | 137 | 2,298 | 2,124 | 149 | 2,264 | 2,092 | 140 |
| Hemorrhoids | 1,972 | 1,877 | 82 | 1,871 | 1,734 | 118 | 1,879 | 1,709 | 152 | 1,945 | 1,801 | 127 | 1,882 | 1,729 | 142 |

Table 18. Average annual number of selected respondent-reported chronic circulatory conditions by race, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 1,310 | 1,243 | *67 | 1,575 | 1,542 | *25 | 1,876 | 1,754 | 96 | 1,927 | 1,795 | 106 | 2,025 | 1,893 | 107 |
| Heart rhythm problems | | | | | | | | | | | | | | | |
| Tachycardia | 263 | 263 | — | 274 | 270 | *4 | 255 | 253 | *2 | 316 | 297 | *19 | 336 | 313 | *23 |
| Heart murmurs | 249 | 235 | *14 | 257 | 248 | *9 | 282 | 262 | *20 | 278 | 254 | *24 | 295 | 261 | *34 |
| Other rhythm disorders | 334 | 328 | *6 | 274 | 268 | *4 | 335 | 318 | *16 | 419 | 398 | *20 | 469 | 449 | *19 |
| Other heart diseases | 1,009 | 889 | 113 | 1,083 | 929 | 123 | 1,069 | 925 | 122 | 1,053 | 929 | 111 | 1,173 | 1,057 | 105 |
| Hypertension | 3,912 | 3,479 | 398 | 4,018 | 3,569 | 349 | 4,338 | 3,835 | 443 | 4,414 | 3,934 | 427 | 4,433 | 3,979 | 393 |
| Cerebrovascular disease | 832 | 723 | 101 | 853 | 783 | *56 | 872 | 782 | 77 | 906 | 808 | 88 | 968 | 856 | 102 |
| Hardening of the arteries | 1,086 | 1,033 | *44 | 933 | 885 | *43 | 809 | 761 | *44 | 728 | 688 | *36 | 740 | 707 | *30 |
| Phlebitis, thrombophlebitis | 103 | 93 | *10 | 104 | 101 | *22 | 153 | 137 | *16 | 159 | 132 | *27 | 155 | 129 | *27 |
| Varicose veins of lower extremities .. | 816 | 788 | *28 | 791 | 769 | *36 | 980 | 932 | 48 | 908 | 865 | *43 | 925 | 869 | *49 |
| Hemorrhoids | 601 | 576 | *25 | 675 | 626 | *25 | 658 | 610 | 47 | 634 | 589 | *45 | 680 | 622 | 58 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 19. Average annual rate of selected respondent-reported chronic circulatory conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Ischemic heart disease | 29.4 | 32.5 | 11.4 | 29.3 | 32.8 | 10.0 | 30.2 | 32.9 | 15.6 | 29.8 | 32.4 | 16.6 | 31.1 | 34.0 | 16.6 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 8.4 | 9.1 | 4.4 | 7.8 | 8.6 | 3.0 | 7.3 | 7.8 | 5.5 | 7.7 | 8.2 | 5.4 | 7.7 | 8.2 | 5.9 |
| Heart murmurs | 16.6 | 16.9 | 16.6 | 18.2 | 18.8 | 14.4 | 17.0 | 17.2 | 19.3 | 16.7 | 16.8 | 19.0 | 17.2 | 17.1 | 20.3 |
| Other rhythm disorders | 6.2 | 6.8 | *2.6 | 6.0 | 6.6 | 2.9 | 6.6 | 7.2 | 3.0 | 6.5 | 7.1 | 4.1 | 6.8 | 7.3 | 4.6 |
| Other heart diseases | 17.0 | 16.9 | 19.9 | 16.9 | 16.2 | 24.2 | 15.5 | 15.2 | 19.3 | 15.4 | 15.5 | 17.7 | 16.7 | 17.0 | 17.3 |
| Hypertension | 120.7 | 118.8 | 144.7 | 122.1 | 119.8 | 145.7 | 115.0 | 112.8 | 142.7 | 111.9 | 110.2 | 138.3 | 110.9 | 109.4 | 135.1 |
| Cerebrovascular disorders | 10.3 | 10.2 | 11.9 | 11.6 | 11.9 | 10.7 | 11.0 | 11.1 | 10.9 | 11.3 | 11.6 | 11.0 | 12.1 | 12.2 | 13.1 |
| Hardening of the arteries | 13.8 | 15.2 | 5.5 | 11.0 | 12.2 | 5.3 | 9.5 | 10.4 | 5.1 | 8.3 | 9.3 | 3.9 | 8.3 | 9.3 | 3.3 |
| Phlebitis, thrombophlebitis | 3.7 | 4.0 | 2.8 | 3.7 | 3.9 | 3.4 | 3.3 | 3.5 | 2.8 | 3.2 | 3.2 | 3.4 | 2.9 | 3.1 | 2.4 |
| Varicose veins of lower extremities .. | 30.4 | 32.8 | 16.7 | 30.1 | 32.6 | 16.6 | 30.3 | 32.9 | 17.9 | 30.4 | 33.2 | 17.2 | 29.7 | 32.5 | 17.2 |
| Hemorrhoids | 45.8 | 48.8 | 29.0 | 43.4 | 45.8 | 30.7 | 43.8 | 46.3 | 30.1 | 40.9 | 43.6 | 28.7 | 37.9 | 40.6 | 25.1 |
| 55-64 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 93.4 | 98.3 | 47.5 | 82.2 | 87.4 | 48.4 | 95.3 | 98.0 | 72.1 | 90.3 | 93.5 | 74.6 | 92.8 | 96.1 | 74.5 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 19.4 | 19.8 | *18.9 | 12.0 | 12.6 | *9.3 | 15.3 | 15.4 | *18.5 | 14.4 | 14.1 | *15.0 | 16.7 | 16.6 | *16.4 |
| Heart murmurs | 16.5 | 16.6 | *18.6 | 17.4 | 18.1 | *8.6 | 18.3 | 16.7 | 33.7 | 19.1 | 18.7 | 25.9 | 20.0 | 19.7 | *19.7 |
| Other rhythm disorders | 12.6 | 12.4 | *12.3 | 13.8 | 14.9 | *5.0 | 14.6 | 15.6 | *6.5 | 11.4 | 12.0 | *7.8 | 10.8 | 10.6 | *12.3 |
| Other heart diseases | 40.6 | 37.9 | 71.0 | 31.9 | 28.2 | 73.2 | 32.8 | 29.5 | 60.9 | 35.3 | 32.5 | 61.3 | 37.3 | 34.8 | 64.1 |
| Hypertension | 306.9 | 294.1 | 443.5 | 303.3 | 290.3 | 418.2 | 294.5 | 277.1 | 462.8 | 293.5 | 277.6 | 464.7 | 295.5 | 279.4 | 452.9 |
| Cerebrovascular disorders | 22.7 | 21.2 | *38.2 | 24.6 | 23.0 | 40.7 | 25.5 | 22.9 | 48.6 | 24.7 | 22.9 | 43.0 | 25.2 | 22.6 | 49.4 |
| Hardening of the arteries | 31.1 | 32.2 | *25.5 | 26.0 | 26.8 | *24.6 | 25.8 | 27.7 | *11.7 | 21.9 | 24.3 | *7.5 | 17.8 | 18.6 | *11.7 |
| Phlebitis, thrombophlebitis | 9.3 | 9.1 | *13.4 | 7.8 | 7.1 | *16.1 | 7.9 | 7.9 | *7.1 | 8.4 | 8.5 | *7.8 | 6.7 | 7.2 | *2.6 |
| Varicose veins of lower extremities .. | 67.4 | 69.8 | 44.9 | 59.6 | 61.4 | 36.3 | 63.3 | 65.8 | 47.0 | 62.3 | 64.8 | 44.3 | 59.2 | 61.5 | 44.9 |
| Hemorrhoids | 74.5 | 76.2 | 66.3 | 76.2 | 78.9 | 56.0 | 81.1 | 86.0 | 43.0 | 76.7 | 82.0 | 38.8 | 73.8 | 77.3 | 49.8 |
| 65-74 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 137.1 | 145.6 | 61.8 | 132.3 | 140.1 | 66.4 | 125.2 | 132.2 | 57.5 | 125.4 | 130.9 | 75.3 | 131.8 | 138.7 | 78.4 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 26.1 | 28.7 | *2.7 | 28.3 | 30.1 | *14.5 | 21.1 | 21.6 | *19.5 | 22.8 | 23.7 | *16.4 | 22.7 | 23.1 | *20.3 |
| Heart murmurs | 19.7 | 20.9 | *7.2 | 22.8 | 23.0 | *24.6 | 20.6 | 21.7 | *9.0 | 17.9 | 18.7 | *12.9 | 18.9 | 19.1 | *19.4 |
| Other rhythm disorders | 21.2 | 23.0 | *4.7 | 22.8 | 23.9 | *8.5 | 24.9 | 26.2 | *13.9 | 22.6 | 23.5 | *15.9 | 23.4 | 24.3 | *18.1 |
| Other heart diseases | 66.1 | 62.2 | 111.0 | 58.9 | 51.9 | 137.9 | 57.1 | 54.1 | 95.1 | 54.2 | 52.5 | 82.6 | 59.5 | 57.9 | 89.0 |
| Hypertension | 393.6 | 379.6 | 553.6 | 401.3 | 389.3 | 509.7 | 370.1 | 358.5 | 491.3 | 371.5 | 362.8 | 465.4 | 364.0 | 354.8 | 479.9 |
| Cerebrovascular disorders | 41.8 | 39.9 | 66.1 | 49.9 | 48.6 | 61.6 | 44.2 | 42.7 | 56.6 | 50.4 | 49.5 | 57.4 | 57.8 | 56.2 | 76.7 |
| Hardening of the arteries | 68.1 | 71.2 | *36.1 | 48.9 | 51.9 | *26.1 | 41.3 | 41.6 | 41.3 | 36.5 | 37.6 | 32.1 | 40.0 | 42.7 | *19.7 |
| Phlebitis, thrombophlebitis | 12.9 | 13.9 | *3.8 | 10.0 | 10.0 | *12.4 | 9.9 | 9.8 | *12.5 | 9.1 | 8.8 | *14.2 | 9.4 | 10.2 | *3.9 |
| Varicose veins of lower extremities .. | 78.0 | 81.8 | *40.7 | 75.7 | 79.7 | *39.0 | 71.9 | 73.6 | 57.5 | 76.9 | 77.9 | 67.0 | 73.2 | 75.0 | 56.6 |
| Hemorrhoids | 85.4 | 89.8 | *42.6 | 70.4 | 72.6 | 56.6 | 68.5 | 68.8 | 67.7 | 72.5 | 74.9 | 52.4 | 65.7 | 67.9 | 52.2 |

Table 19. Average annual rate of selected respondent-reported chronic circulatory conditions, by race, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75-84 years | | | | | | | | | | | | | | | |
| Ischemic heart disease | 135.4 | 141.5 | *87.3 | 146.0 | 158.3 | *22.4 | 169.9 | 178.3 | 81.1 | 165.9 | 172.9 | 93.5 | 171.9 | 179.8 | 90.7 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 27.4 | 30.2 | * | 22.8 | 24.6 | *6.4 | 21.7 | 23.6 | *2.9 | 25.9 | 27.1 | *17.3 | 27.5 | 28.9 | *17.2 |
| Heart murmurs | 24.3 | 24.8 | *21.7 | 26.0 | 27.9 | *9.2 | 24.6 | 24.7 | *28.0 | 23.8 | 23.5 | *31.5 | 25.4 | 24.2 | *44.2 |
| Other rhythm disorders | 32.7 | 36.0 | * | 27.4 | 29.8 | *1.6 | 28.3 | 29.2 | *23.2 | 33.1 | 34.1 | *27.2 | 36.4 | 38.0 | *25.3 |
| Other heart diseases | 94.1 | 90.8 | 138.2 | 91.1 | 85.6 | 124.0 | 90.3 | 88.3 | 104.3 | 87.1 | 87.6 | 79.9 | 92.5 | 95.0 | *65.2 |
| Hypertension | 398.1 | 387.2 | 520.1 | 394.4 | 389.2 | 416.4 | 382.3 | 374.1 | 496.2 | 377.1 | 370.1 | 472.9 | 371.1 | 364.7 | 453.7 |
| Cerebrovascular disorders | 80.9 | 76.6 | 128.3 | 80.5 | 80.3 | *75.6 | 69.3 | 69.1 | 70.4 | 71.6 | 69.8 | 95.4 | 76.5 | 73.9 | 110.6 |
| Hardening of the arteries | 103.1 | 109.4 | *39.6 | 82.0 | 85.1 | *54.1 | 68.9 | 72.0 | *40.2 | 59.3 | 61.8 | *34.8 | 58.6 | 61.1 | *35.0 |
| Phlebitis, thrombophlebitis | 10.8 | 11.1 | *9.3 | 11.1 | 11.8 | *5.5 | 15.0 | 15.1 | *16.0 | 15.6 | 14.7 | *28.3 | 12.7 | 11.5 | *28.8 |
| Varicose veins of lower extremities .. | 82.6 | 88.5 | *28.2 | 75.6 | 81.4 | *23.4 | 89.9 | 94.1 | *58.2 | 81.2 | 85.0 | *52.9 | 81.6 | 84.1 | *57.0 |
| Hemorrhoids | 61.0 | 63.9 | *37.6 | 66.7 | 67.9 | *44.0 | 57.4 | 58.9 | *50.4 | 54.8 | 56.1 | *49.5 | 56.8 | 58.7 | *45.9 |
| 65 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 135.5 | 143.0 | 70.3 | 138.7 | 148.1 | 52.9 | 140.6 | 146.9 | 75.4 | 140.9 | 146.2 | 89.4 | 146.4 | 152.9 | 90.8 |
| Heart rhythm problems: | | | | | | | | | | | | | | | |
| Tachycardia | 26.3 | 28.9 | *1.7 | 27.4 | 29.3 | *11.1 | 21.6 | 22.7 | *13.2 | 24.5 | 25.4 | *18.0 | 24.8 | 25.4 | 21.6 |
| Heart murmurs | 21.9 | 23.0 | *11.1 | 23.4 | 24.1 | *19.5 | 22.2 | 23.1 | *14.0 | 20.2 | 20.8 | *17.6 | 21.2 | 21.1 | 25.3 |
| Other rhythm disorders | 26.0 | 28.2 | *5.9 | 24.0 | 25.5 | *6.9 | 26.6 | 28.0 | *15.7 | 27.8 | 29.1 | *18.1 | 29.6 | 31.1 | *18.8 |
| Other heart diseases | 79.9 | 76.4 | 122.7 | 75.6 | 69.3 | 140.8 | 71.4 | 68.0 | 109.8 | 68.3 | 66.5 | 96.4 | 74.6 | 73.6 | 96.9 |
| Hypertension | 394.9 | 383.0 | 534.7 | 393.0 | 382.7 | 474.4 | 374.2 | 363.5 | 490.1 | 373.9 | 366.2 | 462.8 | 366.2 | 359.4 | 454.6 |
| Cerebrovascular disorders | 58.0 | 55.5 | 88.9 | 61.7 | 61.3 | 63.2 | 56.8 | 55.6 | 66.9 | 61.0 | 60.1 | 71.0 | 66.9 | 65.2 | 87.8 |
| Hardening of the arteries | 84.1 | 88.1 | 43.4 | 64.0 | 67.5 | 35.2 | 82.9 | 54.2 | 43.9 | 46.6 | 48.4 | 34.6 | 48.6 | 51.6 | 24.0 |
| Phlebitis, thrombophlebitis | 12.0 | 12.6 | *7.1 | 10.0 | 10.2 | *9.5 | 11.3 | 11.2 | *14.4 | 10.9 | 10.3 | *19.7 | 10.8 | 10.9 | *12.8 |
| Varicose veins of lower extremities .. | 79.8 | 84.2 | 38.5 | 75.3 | 79.9 | 34.1 | 77.4 | 80.1 | 55.9 | 77.2 | 79.3 | 59.4 | 74.8 | 77.0 | 54.6 |
| Hemorrhoids | 76.1 | 80.1 | 38.3 | 67.9 | 69.7 | 51.3 | 64.3 | 65.0 | 62.1 | 65.3 | 67.3 | 50.8 | 62.1 | 63.6 | 55.4 |

Table 19. Average annual rate of selected respondent-reported chronic circulatory conditions, by race, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75 years and over | | | | | | | | | | | | | | | |
| Ischemic heart disease | 133.0 | 138.8 | *85.0 | 148.9 | 160.8 | *29.6 | 164.6 | 169.8 | 105.9 | 164.9 | 169.5 | 113.4 | 168.8 | 174.1 | 111.8 |
| Heart rhythm problems | | | | | | | | | | | | | | | |
| Tachycardia | 26.7 | 29.4 | *— | 25.9 | 28.1 | *5.3 | 22.4 | 24.5 | *2.4 | 27.1 | 28.0 | *20.9 | 28.0 | 28.8 | *23.7 |
| Heart murmurs | 25.3 | 26.3 | *17.8 | 24.3 | 25.9 | *10.6 | 24.8 | 25.3 | *22.5 | 23.7 | 24.0 | *25.5 | 24.6 | 24.1 | *35.1 |
| Other rhythm disorders | 33.9 | 36.6 | *7.9 | 25.9 | 27.9 | *4.2 | 29.4 | 30.8 | *18.7 | 35.8 | 37.6 | *22.0 | 39.1 | 41.4 | *20.1 |
| Other heart diseases | 102.4 | 99.3 | 142.7 | 102.4 | 96.9 | 145.9 | 93.8 | 89.6 | 134.8 | 90.1 | 87.7 | 119.6 | 97.7 | 97.2 | 110.1 |
| Hypertension | 397.2 | 388.5 | 502.3 | 379.7 | 372.1 | 413.4 | 380.6 | 371.4 | 488.0 | 377.6 | 371.4 | 458.4 | 369.5 | 366.1 | 412.0 |
| Cerebrovascular disorders | 84.5 | 80.8 | 127.7 | 80.6 | 81.6 | *65.9 | 76.5 | 75.7 | 84.5 | 77.5 | 76.3 | 94.2 | 80.7 | 78.8 | 106.6 |
| Hardening of the arteries | 110.3 | 115.4 | *56.0 | 88.1 | 92.3 | *50.7 | 71.0 | 73.7 | *48.2 | 62.3 | 64.9 | *38.7 | 61.7 | 65.0 | *31.1 |
| Phlebitis, thrombophlebitis | 10.5 | 10.4 | *12.8 | 9.9 | 10.5 | *4.5 | 13.4 | 13.3 | *17.6 | 13.6 | 12.5 | *29.0 | 13.0 | 11.9 | *27.8 |
| Varicose veins of lower extremities .. | 82.8 | 88.1 | *34.8 | 74.7 | 80.2 | *25.5 | 86.0 | 90.2 | 53.2 | 77.7 | 81.6 | *46.6 | 77.1 | 79.9 | *51.2 |
| Hemorrhoids | 61.0 | 64.4 | *31.0 | 63.8 | 65.3 | *42.2 | 57.7 | 59.1 | 52.5 | 54.2 | 55.6 | *48.0 | 56.7 | 57.2 | 60.7 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 20. Average annual number of selected respondent-reported chronic respiratory conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| Chronic bronchitis | 9,832 | 4,087 | 5,745 | 11,914 | 4,769 | 7,145 | 12,150 | 4,683 | 7,467 | 12,368 | 4,816 | 7,553 | 12,875 | 5,120 | 7,755 |
| Asthma | 8,358 | 3,912 | 4,446 | 9,288 | 4,381 | 4,908 | 10,622 | 4,994 | 5,628 | 11,222 | 5,352 | 5,870 | 11,473 | 5,327 | 6,146 |
| Hay fever/allergic rhinitis | 19,901 | 9,351 | 10,550 | 21,343 | 9,897 | 11,445 | 21,921 | 10,165 | 11,756 | 22,533 | 10,534 | 11,998 | 24,043 | 11,143 | 12,901 |
| Chronic sinusitis | 29,545 | 12,332 | 17,213 | 32,838 | 13,926 | 18,913 | 33,216 | 13,847 | 19,369 | 32,719 | 13,740 | 18,980 | 33,711 | 13,823 | 19,888 |
| Emphysema | 1,182 | 1,546 | 636 | 2,037 | 1,304 | 732 | 1,972 | 1,276 | 696 | 1,885 | 1,192 | 693 | 1,859 | 1,164 | 695 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 194 | 119 | *75 | 232 | 140 | 93 | 220 | 157 | 64 | 230 | 155 | 75 | 218 | 144 | 74 |
| 55-64 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 1,112 | 422 | 690 | 1,271 | 460 | 811 | 1,330 | 434 | 895 | 1,265 | 449 | 816 | 1,231 | 420 | 811 |
| Asthma | 829 | 323 | 506 | 731 | 288 | 443 | 927 | 365 | 562 | 915 | 391 | 524 | 890 | 360 | 530 |
| Hay fever/allergic rhinitis | 1,624 | 725 | 899 | 1,737 | 740 | 997 | 1,780 | 756 | 1,024 | 1,875 | 793 | 1,082 | 1,941 | 860 | 1,081 |
| Chronic sinusitis | 3,928 | 1,631 | 2,297 | 4,053 | 1,631 | 2,422 | 3,737 | 1,587 | 2,150 | 3,812 | 1,646 | 2,167 | 3,924 | 1,619 | 2,305 |
| Emphysema | 693 | 494 | 199 | 546 | 386 | 159 | 518 | 361 | 157 | 449 | 309 | 140 | 417 | 272 | 145 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *55 | *32 | *23 | *69 | *30 | *38 | 66 | 54 | *12 | 67 | *45 | *22 | 74 | *50 | *23 |
| 65-74 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 1,010 | 347 | 663 | 1,230 | 412 | 818 | 1,167 | 426 | 741 | 1,125 | 460 | 665 | 1,287 | 532 | 755 |
| Asthma | 739 | 342 | 397 | 757 | 260 | 497 | 791 | 318 | 473 | 768 | 295 | 473 | 697 | 249 | 448 |
| Hay fever/allergic rhinitis | 1,118 | 466 | 652 | 1,210 | 433 | 777 | 1,329 | 507 | 823 | 1,351 | 562 | 790 | 1,459 | 567 | 892 |
| Chronic sinusitis | 2,722 | 992 | 1,730 | 2,684 | 1,097 | 1,587 | 2,863 | 1,131 | 1,732 | 2,785 | 1,081 | 1,704 | 2,855 | 1,024 | 1,831 |
| Emphysema | 693 | 485 | 207 | 796 | 505 | 291 | 668 | 423 | 245 | 660 | 442 | 218 | 655 | 457 | 198 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *38 | *21 | *17 | 106 | *68 | *38 | 97 | 70 | *27 | 100 | 72 | *28 | 74 | *51 | *23 |
| 75-84 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 408 | 156 | 252 | 480 | 164 | 316 | 608 | 195 | 414 | 544 | 172 | 372 | 540 | 179 | 362 |
| Asthma | 243 | 102 | 141 | 294 | 118 | 176 | 410 | 135 | 275 | 388 | 147 | 241 | 367 | 148 | 219 |
| Hay fever/allergic rhinitis | 441 | 177 | 264 | 519 | 168 | 351 | 620 | 247 | 373 | 643 | 249 | 394 | 692 | 254 | 438 |
| Chronic sinusitis | 1,124 | 406 | 718 | 1,371 | 440 | 931 | 1,518 | 484 | 1,034 | 1,367 | 446 | 921 | 1,439 | 486 | 952 |
| Emphysema | 326 | 247 | 79 | 353 | 223 | 131 | 411 | 279 | 133 | 396 | 252 | 144 | 394 | 229 | 165 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *63 | *45 | *18 | *31 | *21 | *9 | *21 | *10 | *12 | *28 | *16 | *12 | *39 | *24 | *15 |

Table 20. Average annual number of selected respondent-reported chronic respiratory conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 1,498 | 521 | 997 | 1,828 | 598 | 1,230 | 1,860 | 637 | 1,223 | 1,770 | 651 | 1,118 | 1,943 | 726 | 1,217 |
| Asthma | 1,023 | 458 | 565 | 1,099 | 387 | 711 | 1,258 | 464 | 794 | 1,237 | 455 | 782 | 1,145 | 413 | 732 |
| Hay fever/allergic rhinitis | 1,645 | 668 | 977 | 1,799 | 623 | 1,176 | 2,016 | 779 | 1,237 | 2,069 | 842 | 1,227 | 2,258 | 861 | 1,396 |
| Chronic sinusitis | 4,067 | 1,456 | 2,612 | 4,311 | 1,596 | 2,715 | 4,653 | 1,662 | 2,992 | 4,408 | 1,573 | 2,835 | 4,543 | 1,562 | 2,981 |
| Emphysema | 1,050 | 754 | 296 | 1,171 | 744 | 427 | 1,164 | 764 | 399 | 1,132 | 742 | 389 | 1,133 | 723 | 410 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 101 | *66 | *35 | 143 | 95 | *48 | 122 | 84 | *38 | 132 | 92 | *40 | 117 | 79 | *38 |
| 75 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 488 | 174 | 314 | 598 | 186 | 412 | 693 | 212 | 481 | 644 | 191 | 453 | 657 | 195 | 462 |
| Asthma | 284 | 116 | 168 | 341 | 127 | 214 | 466 | 146 | 320 | 469 | 161 | 309 | 448 | 164 | 284 |
| Hay fever/allergic rhinitis | 527 | 202 | 325 | 589 | 189 | 399 | 686 | 272 | 414 | 718 | 281 | 437 | 799 | 295 | 504 |
| Chronic sinusitis | 1,346 | 464 | 881 | 1,627 | 499 | 1,128 | 1,790 | 530 | 1,260 | 1,623 | 492 | 1,131 | 1,688 | 538 | 1,150 |
| Emphysema | 357 | 268 | 89 | 375 | 239 | 136 | 496 | 342 | 154 | 472 | 301 | 171 | 478 | 266 | 213 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *63 | *45 | *18 | *37 | *28 | *9 | *25 | *14 | *12 | *32 | *20 | *12 | *43 | *28 | *15 |
| 85 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 80 | *18 | *62 | 118 | *22 | 96 | 85 | *17 | 67 | 100 | *19 | 81 | 116 | *16 | 100 |
| Asthma | *41 | *14 | *27 | *47 | *9 | *9 | 57 | *11 | *46 | 81 | *14 | 67 | 81 | *16 | 65 |
| Hay fever/allergic rhinitis | 86 | *25 | *62 | 70 | *21 | *49 | 67 | *25 | *42 | 74 | *32 | *43 | 107 | *41 | 67 |
| Chronic sinusitis | 221 | *58 | 163 | 256 | *59 | 197 | 272 | *46 | 226 | 256 | *46 | 210 | 249 | *52 | 197 |
| Emphysema | *31 | *22 | *9 | *22 | *17 | *5 | 85 | 63 | *22 | 76 | *49 | *27 | 84 | *37 | *48 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | — | — | — | *6 | *6 | — | *4 | *4 | — | *4 | *4 | — | *4 | *4 | — |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 21. Average annual rate of selected respondent-reported chronic respiratory conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|--|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | |
| All ages | | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | | |
| Chronic bronchitis | 42.9 | 36.9 | 48.4 | 50.4 | 41.8 | 58.6 | 49.9 | 39.7 | 59.5 | 50.3 | 40.3 | 59.6 | 51.8 | 42.4 | 60.6 | |
| Asthma | 36.4 | 35.3 | 37.5 | 39.3 | 38.4 | 40.2 | 43.6 | 42.3 | 44.8 | 45.6 | 44.8 | 46.3 | 46.1 | 44.1 | 48.0 | |
| Hay fever/allergic rhinitis | 86.8 | 84.5 | 88.9 | 90.4 | 86.7 | 93.8 | 90.0 | 86.1 | 93.7 | 91.6 | 88.3 | 94.7 | 96.7 | 92.3 | 100.8 | |
| Chronic sinusitis | 128.8 | 111.4 | 145.1 | 139.0 | 121.9 | 155.0 | 136.4 | 117.3 | 154.3 | 132.9 | 115.1 | 149.7 | 135.5 | 114.5 | 155.4 | |
| Emphysema | 9.5 | 14.0 | 5.4 | 8.6 | 11.4 | 6.0 | 8.1 | 10.8 | 5.5 | 7.7 | 10.0 | 5.5 | 7.5 | 9.6 | 5.4 | |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 0.8 | 1.1 | *0.6 | 1.0 | 1.2 | 0.8 | 0.9 | 1.3 | 0.5 | 0.9 | 1.3 | 0.6 | 0.9 | 1.2 | 0.6 | |
| 55-64 years | | | | | | | | | | | | | | | | |
| Chronic bronchitis | 50.6 | 41.2 | 58.8 | 57.8 | 44.5 | 69.5 | 62.0 | 43.0 | 79.0 | 59.4 | 44.7 | 72.6 | 58.2 | 41.9 | 72.7 | |
| Asthma | 37.7 | 31.5 | 43.1 | 33.2 | 27.8 | 38.0 | 43.2 | 36.1 | 49.6 | 43.0 | 38.9 | 46.6 | 42.0 | 35.9 | 47.5 | |
| Hay fever/allergic rhinitis | 73.9 | 70.7 | 76.6 | 79.0 | 71.6 | 85.5 | 83.0 | 74.7 | 90.4 | 88.1 | 78.8 | 96.4 | 91.7 | 85.9 | 96.9 | |
| Chronic sinusitis | 178.6 | 159.1 | 195.7 | 184.2 | 157.8 | 207.6 | 174.3 | 157.0 | 189.7 | 179.1 | 163.6 | 193.0 | 185.4 | 161.6 | 206.8 | |
| Emphysema | 31.5 | 48.1 | 17.0 | 24.8 | 37.4 | 13.6 | 24.2 | 35.7 | 13.9 | 21.1 | 30.7 | 12.5 | 19.7 | 27.1 | 13.0 | |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *2.5 | *3.1 | *2.0 | *3.1 | *2.9 | *3.3 | 3.1 | 5.3 | *1.1 | 3.1 | *4.4 | *2.0 | 3.5 | *5.0 | *2.1 | |
| 65-74 years | | | | | | | | | | | | | | | | |
| Chronic bronchitis | 62.9 | 49.8 | 73.0 | 72.4 | 55.0 | 86.1 | 65.4 | 53.6 | 74.9 | 62.2 | 57.0 | 66.4 | 70.3 | 65.0 | 74.7 | |
| Asthma | 46.0 | 49.1 | 43.7 | 44.6 | 34.7 | 52.3 | 44.4 | 40.1 | 47.8 | 45.5 | 36.6 | 47.3 | 38.1 | 30.5 | 44.3 | |
| Hay fever/allergic rhinitis | 69.6 | 66.8 | 71.8 | 71.2 | 57.9 | 81.7 | 74.6 | 63.9 | 83.2 | 74.8 | 69.6 | 78.9 | 79.8 | 69.3 | 88.2 | |
| Chronic sinusitis | 169.5 | 142.3 | 190.4 | 157.9 | 146.5 | 166.9 | 160.6 | 142.5 | 175.0 | 154.1 | 134.1 | 170.2 | 156.1 | 125.2 | 181.1 | |
| Emphysema | 43.1 | 69.6 | 22.8 | 46.8 | 67.4 | 30.6 | 37.5 | 53.3 | 24.8 | 36.5 | 54.8 | 21.8 | 35.8 | 55.9 | 19.5 | |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *2.4 | *3.0 | *1.9 | 6.2 | *9.0 | *4.0 | 5.4 | 8.8 | *2.7 | 5.5 | 8.9 | *2.8 | 4.0 | *6.2 | *2.3 | |
| 75-84 years | | | | | | | | | | | | | | | | |
| Chronic bronchitis | 51.1 | 51.6 | 50.8 | 56.3 | 51.1 | 59.4 | 66.4 | 55.4 | 73.2 | 58.1 | 47.6 | 64.7 | 56.6 | 47.9 | 62.2 | |
| Asthma | 30.4 | 33.9 | 28.3 | 34.4 | 36.7 | 33.1 | 44.7 | 38.4 | 48.6 | 41.4 | 40.6 | 41.9 | 38.4 | 39.6 | 37.7 | |
| Hay fever/allergic rhinitis | 55.2 | 58.8 | 53.1 | 60.8 | 52.3 | 66.0 | 67.6 | 70.3 | 65.9 | 68.6 | 68.9 | 68.4 | 72.5 | 68.1 | 75.3 | |
| Chronic sinusitis | 140.8 | 134.6 | 144.6 | 160.6 | 136.6 | 175.2 | 165.5 | 137.7 | 182.8 | 145.8 | 123.3 | 159.9 | 150.8 | 130.4 | 163.9 | |
| Emphysema | 40.8 | 81.8 | 16.0 | 41.4 | 69.2 | 24.6 | 44.8 | 79.3 | 23.4 | 42.2 | 69.6 | 25.0 | 41.3 | 61.5 | 28.4 | |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *7.9 | *14.9 | *3.6 | *3.6 | *6.6 | *1.7 | *2.3 | *2.8 | *2.1 | *3.0 | *4.5 | *2.1 | *4.1 | *6.5 | *2.5 | |

Table 21. Average annual rate of selected respondent-reported chronic respiratory conditions, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 57.8 | 49.3 | 63.7 | 66.3 | 52.6 | 75.9 | 63.6 | 52.5 | 71.6 | 59.5 | 52.5 | 64.4 | 64.2 | 57.4 | 69.0 |
| Asthma | 39.5 | 43.3 | 36.9 | 39.8 | 34.0 | 43.9 | 43.0 | 38.2 | 46.5 | 41.6 | 36.7 | 45.0 | 37.8 | 32.7 | 41.5 |
| Hay fever/allergic rhinitis | 63.5 | 63.1 | 63.8 | 65.2 | 54.8 | 72.6 | 69.0 | 64.1 | 72.4 | 69.5 | 67.9 | 70.7 | 74.5 | 68.1 | 79.2 |
| Chronic sinusitis | 157.0 | 137.6 | 170.4 | 156.3 | 140.4 | 167.5 | 159.2 | 136.7 | 175.2 | 148.1 | 126.9 | 163.3 | 150.0 | 123.4 | 169.0 |
| Emphysema | 40.5 | 71.2 | 19.3 | 42.5 | 65.4 | 26.4 | 39.8 | 62.9 | 23.4 | 38.0 | 59.9 | 22.4 | 37.4 | 57.1 | 23.3 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 3.9 | *6.2 | *2.3 | 5.2 | 11.0 | *2.9 | 4.2 | 6.9 | *2.2 | 4.4 | 7.4 | *2.3 | 3.8 | 6.2 | *2.1 |
| 75 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 49.5 | 48.3 | 50.3 | 56.5 | 48.0 | 61.5 | 60.8 | 50.2 | 67.0 | 55.1 | 44.1 | 61.7 | 54.7 | 43.6 | 61.4 |
| Asthma | 28.8 | 32.1 | 26.9 | 32.2 | 32.7 | 32.0 | 40.9 | 34.6 | 44.6 | 40.1 | 37.0 | 42.0 | 37.3 | 36.7 | 37.7 |
| Hay fever/allergic rhinitis | 53.5 | 56.0 | 52.1 | 55.6 | 48.8 | 59.6 | 60.2 | 64.5 | 57.7 | 61.4 | 64.7 | 59.4 | 66.6 | 65.9 | 67.0 |
| Chronic sinusitis | 136.6 | 128.6 | 141.2 | 153.8 | 128.5 | 168.4 | 157.1 | 125.9 | 175.4 | 138.8 | 113.5 | 153.8 | 140.6 | 120.2 | 152.8 |
| Emphysema | 36.2 | 74.4 | 14.2 | 35.4 | 61.6 | 20.3 | 43.5 | 81.1 | 21.5 | 40.4 | 69.3 | 23.3 | 39.9 | 59.4 | 28.2 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *6.4 | *12.5 | *2.8 | *3.5 | *7.1 | *1.4 | *2.2 | *3.3 | *1.6 | *2.7 | *4.7 | *1.6 | *3.6 | *6.3 | *2.0 |
| 85 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 42.9 | *31.1 | *48.4 | 57.6 | *33.0 | 69.4 | 37.9 | *24.5 | 44.1 | 43.2 | *26.6 | 50.8 | 47.3 | *21.6 | 58.5 |
| Asthma | *21.9 | *23.3 | *21.3 | *23.1 | *13.1 | *27.9 | 25.5 | *15.7 | *30.0 | 35.1 | *19.3 | 42.3 | 33.0 | *22.0 | 37.8 |
| Hay fever/allergic rhinitis | 46.3 | *41.9 | *48.3 | 34.0 | *31.6 | *35.1 | 29.9 | *35.4 | *27.4 | 32.2 | *43.6 | *27.0 | 43.6 | *54.6 | 38.9 |
| Chronic sinusitis | 118.5 | *98.3 | 127.8 | 125.1 | *89.1 | 142.4 | 122.3 | *66.5 | 147.8 | 110.7 | *64.1 | 131.8 | 101.3 | *69.3 | 115.2 |
| Emphysema | *16.5 | *36.5 | *7.2 | *10.5 | *25.0 | *3.6 | 38.0 | 90.1 | *14.1 | 33.0 | *67.7 | *17.2 | 34.3 | *49.1 | *27.8 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *_ | *_ | *_ | *3.1 | *9.6 | *_ | *1.8 | *5.8 | *_ | *1.8 | *5.6 | *_ | *1.7 | *5.5 | *_ |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 22. Average annual number of selected respondent-reported chronic respiratory conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|------------------------|--------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| All ages | | | | | | | | | | | | | | | |
| Chronic bronchitis | 9,832 | 8,855 | 865 | 11,914 | 10,701 | 1,008 | 12,150 | 10,864 | 1,066 | 12,368 | 11,054 | 1,097 | 12,875 | 11,456 | 1,175 |
| Asthma | 8,358 | 7,139 | 1,083 | 9,288 | 7,913 | 1,204 | 10,622 | 8,773 | 1,544 | 11,222 | 9,292 | 1,580 | 11,473 | 9,504 | 1,647 |
| Hay fever/allergic rhinitis | 19,901 | 17,632 | 1,803 | 21,343 | 19,078 | 1,707 | 21,921 | 19,488 | 1,823 | 22,533 | 19,929 | 1,834 | 24,043 | 21,227 | 2,107 |
| Chronic sinusitis | 29,545 | 26,410 | 2,735 | 32,838 | 29,349 | 3,045 | 33,216 | 29,030 | 3,721 | 32,719 | 28,460 | 3,770 | 33,711 | 29,096 | 3,972 |
| Emphysema | 1,182 | 2,055 | 115 | 2,037 | 1,911 | 100 | 1,972 | 1,843 | 114 | 1,885 | 1,771 | 100 | 1,859 | 1,745 | 93 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 194 | 184 | *10 | 232 | 220 | *12 | 220 | 214 | *6 | 230 | 219 | *8 | 218 | 205 | *9 |
| 55-64 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 1,112 | 965 | 125 | 1,271 | 1,168 | 96 | 1,330 | 1,206 | 100 | 1,265 | 1,153 | 108 | 1,231 | 1,098 | 129 |
| Asthma | 829 | 710 | 111 | 731 | 649 | 74 | 927 | 831 | 72 | 915 | 834 | 65 | 890 | 801 | 83 |
| Hay fever/allergic rhinitis | 1,624 | 1,453 | 117 | 1,737 | 1,549 | 169 | 1,780 | 1,597 | 143 | 1,875 | 1,649 | 180 | 1,941 | 1,683 | 192 |
| Chronic sinusitis | 3,928 | 3,533 | 334 | 4,053 | 3,626 | 420 | 3,737 | 3,349 | 351 | 3,812 | 3,381 | 394 | 3,924 | 3,430 | 424 |
| Emphysema | 693 | 640 | *50 | 546 | 517 | *28 | 518 | 491 | *28 | 449 | 426 | *22 | 417 | 396 | *19 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *55 | *51 | *4 | *69 | *62 | *6 | 66 | 63 | *3 | 67 | 64 | *3 | 74 | 70 | *4 |
| 65-74 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 1,010 | 943 | *55 | 1,230 | 1,160 | *58 | 1,167 | 1,092 | 72 | 1,125 | 1,053 | 68 | 1,287 | 1,193 | 86 |
| Asthma | 739 | 646 | *77 | 757 | 663 | 83 | 791 | 680 | 105 | 768 | 653 | 102 | 697 | 601 | 81 |
| Hay fever/allergic rhinitis | 1,118 | 967 | 134 | 1,210 | 1,156 | *42 | 1,329 | 1,205 | 101 | 1,351 | 1,223 | 88 | 1,459 | 1,305 | 113 |
| Chronic sinusitis | 2,722 | 2,490 | 208 | 2,684 | 2,439 | 220 | 2,863 | 2,642 | 199 | 2,785 | 2,516 | 221 | 2,855 | 2,568 | 239 |
| Emphysema | 693 | 664 | *29 | 796 | 750 | *46 | 668 | 629 | *39 | 660 | 625 | *31 | 655 | 616 | *36 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *38 | *38 | - | 106 | 104 | *2 | 97 | 93 | *3 | 100 | 91 | *5 | 74 | 65 | *5 |
| 75-84 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 408 | 403 | *5 | 480 | 441 | *27 | 608 | 573 | *26 | 544 | 527 | *12 | 540 | 521 | *14 |
| Asthma | 243 | 233 | *10 | 294 | 258 | *24 | 410 | 362 | *30 | 388 | 353 | *25 | 367 | 320 | *37 |
| Hay fever/allergic rhinitis | 441 | 383 | *53 | 519 | 485 | *29 | 620 | 572 | *43 | 643 | 595 | *37 | 692 | 644 | *40 |
| Chronic sinusitis | 1,124 | 1,045 | *53 | 1,371 | 1,221 | 124 | 1,518 | 1,406 | 111 | 1,367 | 1,254 | 105 | 1,439 | 1,326 | 100 |
| Emphysema | 326 | 310 | *17 | 353 | 328 | *6 | 411 | 394 | *14 | 396 | 384 | *12 | 394 | 381 | *13 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *63 | *63 | - | *31 | *30 | *1 | *21 | *21 | - | *28 | *28 | - | *39 | *39 | - |

Table 22. Average annual number of selected respondent-reported chronic respiratory conditions, by race, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 65 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 1,498 | 1,426 | *60 | 1,828 | 1,717 | 87 | 1,860 | 1,745 | 102 | 1,770 | 1,673 | 86 | 1,943 | 1,826 | 102 |
| Asthma | 1,023 | 920 | 87 | 1,099 | 967 | 110 | 1,258 | 1,095 | 134 | 1,237 | 1,084 | 127 | 1,145 | 1,002 | 118 |
| Hay fever/allergic rhinitis | 1,645 | 1,437 | 187 | 1,799 | 1,706 | 76 | 2,016 | 1,833 | 155 | 2,069 | 1,884 | 133 | 2,258 | 2,053 | 155 |
| Chronic sinusitis | 4,067 | 3,735 | 278 | 4,311 | 3,903 | 356 | 4,653 | 4,301 | 322 | 4,408 | 4,008 | 340 | 4,543 | 4,133 | 349 |
| Emphysema | 1,050 | 999 | *51 | 1,171 | 1,100 | *53 | 1,164 | 1,090 | 66 | 1,132 | 1,068 | 57 | 1,133 | 1,073 | 53 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 101 | 101 | — | 143 | 141 | *2 | 122 | 119 | *3 | 132 | 123 | *5 | 117 | 108 | *5 |
| 75 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 488 | 483 | *5 | 598 | 558 | *29 | 693 | 653 | *30 | 644 | 620 | *18 | 657 | 634 | *16 |
| Asthma | 284 | 274 | *10 | 341 | 303 | *26 | 466 | 415 | *30 | 469 | 430 | *25 | 448 | 401 | *37 |
| Hay fever/allergic rhinitis | 527 | 470 | *53 | 589 | 549 | *34 | 686 | 628 | 55 | 718 | 661 | *45 | 799 | 749 | *42 |
| Chronic sinusitis | 1,346 | 1,245 | *69 | 1,627 | 1,465 | 136 | 1,790 | 1,659 | 124 | 1,623 | 1,492 | 119 | 1,688 | 1,565 | 110 |
| Emphysema | 357 | 335 | *22 | 375 | 350 | *6 | 496 | 461 | *28 | 472 | 443 | *25 | 478 | 457 | *18 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *63 | *63 | — | *37 | *36 | *1 | *25 | *25 | — | *32 | *32 | — | *43 | *43 | — |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 23. Average annual rate of selected respondent-reported chronic respiratory conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Chronic bronchitis | 42.9 | 45.2 | 31.7 | 50.4 | 53.4 | 35.3 | 49.9 | 52.9 | 35.7 | 50.3 | 53.4 | 36.1 | 51.8 | 55.0 | 38.0 |
| Asthma | 36.4 | 36.4 | 39.6 | 39.3 | 39.5 | 42.2 | 43.6 | 42.7 | 51.7 | 45.6 | 44.9 | 52.0 | 46.1 | 45.6 | 53.3 |
| Hay fever/allergic rhinitis | 86.8 | 89.9 | 66.0 | 90.4 | 95.2 | 59.8 | 90.0 | 95.0 | 61.0 | 91.6 | 96.3 | 60.4 | 96.7 | 101.4 | 68.2 |
| Chronic sinusitis | 128.8 | 134.7 | 100.1 | 139.0 | 146.4 | 106.7 | 136.4 | 141.5 | 124.5 | 132.9 | 137.6 | 124.1 | 135.5 | 139.7 | 128.5 |
| Emphysema | 9.5 | 10.5 | 4.2 | 8.6 | 9.5 | 3.5 | 8.1 | 9.0 | 3.8 | 7.7 | 8.6 | 3.3 | 7.5 | 8.4 | 3.0 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 0.8 | 0.9 | *0.4 | 1.0 | 1.1 | *0.4 | 0.9 | 1.0 | *0.2 | 0.9 | 1.1 | *0.3 | 0.9 | 1.0 | *0.3 |
| 55-64 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 50.6 | 49.0 | 64.0 | 57.8 | 60.0 | 46.0 | 62.0 | 64.3 | 46.9 | 59.4 | 62.1 | 50.4 | 58.2 | 59.8 | 59.7 |
| Asthma | 37.7 | 36.1 | 56.5 | 33.2 | 33.3 | 35.5 | 43.2 | 44.3 | 33.8 | 43.0 | 44.9 | 30.5 | 42.0 | 43.6 | 38.5 |
| Hay fever/allergic rhinitis | 73.9 | 73.8 | 59.5 | 79.0 | 79.5 | 81.5 | 83.0 | 85.1 | 67.4 | 88.1 | 88.9 | 84.0 | 91.7 | 91.7 | 88.9 |
| Chronic sinusitis | 178.6 | 179.5 | 170.7 | 184.2 | 186.2 | 201.8 | 174.3 | 178.5 | 165.0 | 179.1 | 182.1 | 184.2 | 185.4 | 186.8 | 196.7 |
| Emphysema | 31.5 | 32.5 | *25.3 | 24.8 | 26.6 | *13.5 | 24.2 | 26.1 | *13.0 | 21.1 | 23.0 | *10.4 | 19.7 | 21.6 | *8.8 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *2.5 | *2.6 | *1.9 | *3.1 | *3.2 | *3.0 | 3.1 | 3.3 | *1.4 | 3.1 | 3.4 | *1.0 | 3.5 | 3.8 | *1.9 |
| 65-74 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 62.9 | 65.1 | *40.5 | 72.4 | 75.9 | *39.7 | 65.4 | 68.3 | 46.3 | 62.2 | 65.1 | 43.4 | 70.3 | 73.1 | 53.5 |
| Asthma | 46.0 | 44.6 | *56.9 | 44.6 | 43.4 | 57.2 | 44.4 | 42.5 | 67.7 | 45.5 | 40.4 | 64.5 | 38.1 | 36.8 | 50.6 |
| Hay fever/allergic rhinitis | 69.6 | 66.8 | 99.3 | 71.2 | 75.7 | *28.8 | 74.6 | 75.4 | 65.1 | 74.8 | 75.6 | 55.7 | 79.8 | 80.0 | 70.2 |
| Chronic sinusitis | 169.5 | 171.9 | 154.0 | 157.9 | 159.6 | 150.7 | 160.6 | 165.3 | 128.6 | 154.1 | 155.6 | 140.4 | 156.1 | 157.5 | 148.6 |
| Emphysema | 43.1 | 45.8 | *21.1 | 46.8 | 49.1 | *31.6 | 37.5 | 39.4 | *25.0 | 36.5 | 38.7 | *19.8 | 35.8 | 37.8 | *22.1 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *2.4 | *2.6 | *- | 6.2 | 6.8 | *1.2 | 5.4 | 5.8 | *2.1 | 5.5 | 5.6 | *3.3 | 4.0 | 4.0 | *3.2 |
| 75-84 years | | | | | | | | | | | | | | | |
| Chronic bronchitis | 51.1 | 55.6 | *8.3 | 56.3 | 57.2 | *39.6 | 66.4 | 69.0 | *35.4 | 58.1 | 62.1 | *15.5 | 56.6 | 60.2 | *19.0 |
| Asthma | 30.4 | 32.2 | *14.8 | 34.4 | 33.5 | *35.0 | 44.7 | 43.6 | *40.3 | 41.4 | 41.6 | *33.0 | 38.4 | 37.0 | *48.5 |
| Hay fever/allergic rhinitis | 55.2 | 52.9 | *81.4 | 60.8 | 62.9 | *41.3 | 67.6 | 68.9 | *59.2 | 68.6 | 70.0 | *48.7 | 72.5 | 74.4 | *52.5 |
| Chronic sinusitis | 140.8 | 144.3 | *80.8 | 160.6 | 158.1 | 178.4 | 165.5 | 169.3 | 152.2 | 145.8 | 147.6 | 139.1 | 150.8 | 153.3 | 131.6 |
| Emphysema | 40.8 | 42.8 | *25.3 | 41.4 | 42.5 | *9.4 | 44.8 | 47.4 | *19.7 | 42.2 | 45.2 | *15.9 | 41.3 | 44.1 | *16.9 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *7.9 | *8.7 | *- | *3.6 | *3.9 | *0.8 | *2.3 | *2.6 | *- | *3.0 | *3.3 | *- | *4.1 | *4.5 | *- |

Table 23. Average annual rate of selected respondent-reported chronic respiratory conditions, by race, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 65 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 57.8 | 60.8 | *28.1 | 66.3 | 69.1 | 37.8 | 63.6 | 66.3 | 41.5 | 59.5 | 62.5 | 34.4 | 64.2 | 67.2 | 39.9 |
| Asthma | 39.5 | 39.3 | 40.4 | 39.8 | 38.9 | 47.7 | 43.0 | 41.6 | 54.6 | 41.6 | 40.5 | 50.5 | 37.8 | 36.9 | 46.1 |
| Hay fever/allergic rhinitis | 63.5 | 61.3 | 87.4 | 65.2 | 68.6 | 33.1 | 69.0 | 69.7 | 63.3 | 69.5 | 70.4 | 52.9 | 74.5 | 75.6 | 60.6 |
| Chronic sinusitis | 157.0 | 159.3 | 129.4 | 156.3 | 156.9 | 154.5 | 159.2 | 163.5 | 131.3 | 148.1 | 149.8 | 135.7 | 150.0 | 152.1 | 136.1 |
| Emphysema | 40.5 | 42.6 | *23.6 | 42.5 | 44.2 | *22.8 | 39.8 | 41.4 | 27.1 | 38.0 | 39.9 | 22.6 | 37.4 | 39.5 | 20.7 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | 3.9 | 4.3 | *_ | 5.2 | 5.7 | *1.0 | 4.2 | 4.5 | *1.3 | 4.4 | 4.6 | *2.0 | 3.8 | 4.0 | *2.0 |
| 75 years and over | | | | | | | | | | | | | | | |
| Chronic bronchitis | 49.5 | 53.9 | *6.8 | 56.5 | 58.1 | *34.5 | 60.8 | 63.3 | *33.4 | 55.1 | 58.5 | *19.3 | 54.7 | 58.3 | *17.0 |
| Asthma | 28.8 | 30.6 | *12.2 | 32.2 | 31.6 | *31.3 | 40.9 | 40.2 | *32.5 | 40.1 | 40.6 | *26.7 | 37.3 | 36.9 | *38.5 |
| Hay fever/allergic rhinitis | 53.5 | 52.5 | *67.1 | 55.6 | 57.3 | *40.7 | 60.2 | 60.8 | 60.2 | 61.4 | 62.4 | *48.1 | 66.6 | 38.9 | *44.2 |
| Chronic sinusitis | 136.6 | 139.0 | *87.4 | 153.8 | 152.7 | 161.2 | 157.1 | 160.7 | 136.0 | 138.8 | 140.9 | 127.8 | 140.6 | 144.0 | 115.1 |
| Emphysema | 36.2 | 37.4 | *28.0 | 35.4 | 36.5 | *7.7 | 43.5 | 44.6 | *30.6 | 40.4 | 41.8 | *27.3 | 39.9 | 42.0 | *18.4 |
| Malignant neoplasms of the lung/bronchus and other respiratory sites | *6.4 | *7.0 | *_ | *3.5 | *3.8 | *0.6 | *2.2 | *2.5 | *_ | *2.7 | *3.0 | *_ | *3.6 | *1.8 | *_ |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 24. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 3,169 | 374 | 2,794 | 2,780 | 342 | 2,437 | 3,524 | 504 | 3,020 | 3,399 | 496 | 2,902 | 3,712 | 544 | 3,168 |
| Diabetes | 5,811 | 2,394 | 3,416 | 5,222 | 2,956 | 3,497 | 6,314 | 2,823 | 3,491 | 6,648 | 2,909 | 3,739 | 6,957 | 3,038 | 3,919 |
| Anemias | 3,420 | 533 | 2,887 | 3,245 | 625 | 2,619 | 3,902 | 696 | 3,206 | 3,756 | 634 | 3,122 | 3,736 | 606 | 3,130 |
| Migraine headache | 7,514 | 1,957 | 5,556 | 8,460 | 2,096 | 6,364 | 9,663 | 2,541 | 7,122 | 9,768 | 2,610 | 7,159 | 9,984 | 2,641 | 7,344 |
| Neuralgia or neuritis, unspecified ... | 925 | 262 | 663 | 720 | 267 | 452 | 539 | 148 | 391 | 511 | 158 | 353 | 518 | 166 | 352 |
| Kidney disorders | 3,321 | 1,106 | 2,215 | 3,478 | 1,259 | 2,219 | 3,177 | 1,217 | 1,960 | 3,113 | 1,158 | 1,955 | 3,145 | 1,132 | 2,013 |
| Bladder disorders | 3,435 | 439 | 2,996 | 3,706 | 590 | 3,116 | 3,225 | 473 | 2,752 | 3,452 | 479 | 2,973 | 3,432 | 481 | 2,950 |
| Diseases of prostate | 1,421 | 1,421 | ... | 1,470 | 1,470 | ... | 1,655 | 1,655 | ... | 1,677 | 1,677 | ... | 1,847 | 1,847 | ... |
| Diseases of female genital organs .. | 4,888 | ... | 4,888 | 6,653 | ... | 6,653 | 6,982 | ... | 6,982 | 7,099 | ... | 7,099 | 7,179 | ... | 7,179 |
| 55-64 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 645 | 102 | 543 | 583 | 98 | 484 | 794 | 120 | 674 | 718 | 97 | 621 | 748 | 111 | 638 |
| Diabetes | 1,584 | 739 | 845 | 1,681 | 817 | 864 | 1,541 | 782 | 759 | 1,592 | 795 | 797 | 1,645 | 802 | 843 |
| Anemias | 283 | *51 | 232 | 217 | *60 | 157 | 282 | 54 | 228 | 270 | *42 | 228 | 210 | *39 | 172 |
| Migraine headache | 859 | 237 | 621 | 832 | 174 | 658 | 831 | 178 | 654 | 864 | 217 | 646 | 914 | 214 | 700 |
| Neuralgia or neuritis, unspecified ... | 282 | 99 | 183 | 174 | *61 | 113 | 163 | 50 | 113 | 143 | 56 | 87 | 125 | *47 | 78 |
| Kidney disorders | 560 | 246 | 314 | 610 | 265 | 345 | 435 | 243 | 191 | 450 | 236 | 213 | 470 | 229 | 240 |
| Bladder disorders | 459 | *55 | 403 | 511 | 78 | 434 | 426 | 81 | 346 | 403 | 70 | 333 | 413 | 59 | 354 |
| Diseases of prostate | 345 | 345 | ... | 378 | 378 | ... | 402 | 402 | ... | 369 | 369 | ... | 377 | 377 | ... |
| Diseases of female genital organs .. | 345 | ... | 345 | 386 | ... | 386 | 460 | ... | 460 | 464 | ... | 464 | 432 | ... | 432 |
| 65-74 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 487 | *62 | 425 | 467 | 73 | 395 | 617 | 93 | 524 | 679 | 114 | 565 | 733 | 111 | 622 |
| Diabetes | 1,503 | 557 | 946 | 1,693 | 769 | 925 | 1,707 | 700 | 1,007 | 1,782 | 735 | 1,047 | 1,950 | 870 | 1,080 |
| Anemias | 284 | *61 | 223 | 314 | 86 | 227 | 335 | 100 | 235 | 380 | 115 | 265 | 352 | 94 | 258 |
| Migraine headache | 372 | 74 | 299 | 344 | 79 | 265 | 456 | 85 | 371 | 433 | 92 | 341 | 418 | 81 | 337 |
| Neuralgia or neuritis, unspecified ... | 240 | *59 | 181 | 167 | 74 | 93 | 97 | *36 | 62 | 110 | *39 | 71 | 125 | 54 | 71 |
| Kidney disorders | 430 | 191 | 234 | 426 | 178 | 248 | 469 | 177 | 292 | 482 | 158 | 324 | 454 | 160 | 294 |
| Bladder disorders | 365 | *71 | 294 | 558 | 168 | 389 | 459 | 79 | 380 | 487 | 66 | 422 | 477 | 65 | 412 |
| Diseases of prostate | 440 | 440 | ... | 478 | 478 | ... | 507 | 507 | ... | 538 | 538 | ... | 653 | 653 | ... |
| Diseases of female genital organs .. | 289 | ... | 289 | 322 | ... | 322 | 432 | ... | 432 | 492 | ... | 492 | 461 | ... | 461 |

Table 24. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75-84 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 253 | *28 | 225 | 246 | *34 | 211 | 306 | 55 | 251 | 304 | 61 | 244 | 326 | *40 | 285 |
| Diabetes | 691 | 270 | 421 | 900 | 359 | 541 | 804 | 318 | 486 | 852 | 333 | 519 | 956 | 377 | 579 |
| Anemias | 206 | *49 | 158 | 189 | *46 | 143 | 234 | *43 | 191 | 214 | *49 | 165 | 218 | *45 | 173 |
| Migraine headache | *75 | *12 | *64 | 123 | *13 | 110 | 139 | *34 | 105 | 197 | *26 | 171 | 212 | *21 | 191 |
| Neuralgia or neuritis, unspecified ... | 144 | *29 | 114 | 142 | *46 | 97 | 58 | *16 | *42 | 65 | *16 | *50 | 77 | *13 | 65 |
| Kidney disorders | 233 | *75 | 158 | 279 | 128 | 151 | 222 | 108 | 114 | 211 | 77 | 134 | 258 | 87 | 171 |
| Bladder disorders | 363 | *76 | 287 | 372 | 101 | 271 | 396 | 97 | 299 | 478 | 146 | 332 | 493 | 132 | 361 |
| Diseases of prostate | 220 | 220 | ... | 275 | 275 | ... | 296 | 296 | ... | 331 | 331 | ... | 338 | 338 | ... |
| Diseases of female genital organs .. | 113 | ... | 113 | 157 | ... | 157 | 225 | ... | 225 | 199 | ... | 199 | 228 | ... | 228 |
| 65 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 768 | 94 | 674 | 753 | 107 | 646 | 991 | 157 | 834 | 1,021 | 182 | 839 | 1,116 | 168 | 947 |
| Diabetes | 2,345 | 878 | 1,467 | 2,760 | 1,171 | 1,589 | 2,668 | 1,058 | 1,610 | 2,788 | 1,105 | 1,683 | 3,063 | 1,285 | 1,778 |
| Anemias | 564 | 119 | 445 | 548 | 140 | 408 | 671 | 173 | 498 | 682 | 199 | 483 | 663 | 182 | 480 |
| Migraine headache | 456 | 86 | 370 | 482 | 96 | 386 | 606 | 119 | 487 | 638 | 118 | 520 | 647 | 102 | 545 |
| Neuralgia or neuritis, unspecified ... | 413 | 96 | 318 | 344 | 126 | 218 | 201 | 69 | 132 | 196 | 55 | 141 | 220 | 67 | 153 |
| Kidney disorders | 739 | 274 | 465 | 776 | 319 | 458 | 735 | 300 | 435 | 734 | 249 | 485 | 756 | 258 | 499 |
| Bladder disorders | 854 | 159 | 696 | 1,082 | 316 | 767 | 953 | 199 | 754 | 1,052 | 228 | 824 | 1,066 | 214 | 851 |
| Diseases of prostate | 684 | 684 | ... | 786 | 786 | ... | 877 | 877 | ... | 936 | 936 | ... | 1,056 | 1,056 | ... |
| Diseases of female genital organs .. | 433 | ... | 433 | 518 | ... | 518 | 725 | ... | 725 | 780 | ... | 780 | 777 | ... | 777 |
| 75 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 281 | *32 | 249 | 286 | *34 | 251 | 374 | 64 | 310 | 342 | 68 | 274 | 383 | 57 | 326 |
| Diabetes | 842 | 320 | 521 | 1,066 | 402 | 664 | 961 | 358 | 603 | 1,006 | 370 | 636 | 1,113 | 415 | 697 |
| Anemias | 280 | *58 | 222 | 234 | *53 | 180 | 336 | 73 | 263 | 302 | 84 | 218 | 311 | 89 | 222 |
| Migraine headache | 83 | *12 | *71 | 138 | *17 | 121 | 150 | *34 | 116 | 205 | *26 | 179 | 229 | *21 | 208 |
| Neuralgia or neuritis, unspecified ... | 173 | *36 | 137 | 177 | *52 | 125 | 104 | *33 | 71 | 86 | *16 | 70 | 95 | *13 | 82 |
| Kidney disorders | 313 | 83 | 230 | 350 | 141 | 210 | 265 | 123 | 143 | 252 | 92 | 160 | 302 | 98 | 205 |
| Bladder disorders | 490 | 88 | 402 | 524 | 147 | 377 | 494 | 120 | 374 | 565 | 163 | 402 | 589 | 149 | 440 |
| Diseases of prostate | 244 | 244 | ... | 308 | 308 | ... | 371 | 371 | ... | 398 | 398 | ... | 403 | 403 | ... |
| Diseases of female genital organs .. | 143 | ... | 143 | 197 | ... | 197 | 292 | ... | 292 | 288 | ... | 288 | 316 | ... | 316 |

Table 24. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|--------------------------------------|------------|--------|-----|------------|--------|-----|------------|--------|-----|------------|--------|-----|------------|--------|-----|
| | Both sexes | | | Both sexes | | | Both sexes | | | Both sexes | | | Both sexes | | |
| | Male | Female | | Male | Female | | Male | Female | | Male | Female | | Male | Female | |
| 85 years and over | | | | | | | | | | | | | | | |
| Diabetes | 151 | *50 | 101 | 167 | *43 | 123 | 157 | *39 | 117 | 154 | *37 | 117 | 156 | *38 | 118 |
| Anemias | *73 | *9 | *64 | *44 | *8 | *37 | 102 | *30 | 72 | 88 | *35 | 53 | 93 | *43 | *50 |
| Kidney disorders | 80 | *7 | *72 | 71 | *13 | *59 | *44 | *15 | *29 | *41 | *15 | *27 | *44 | *11 | *33 |
| Bladder disorders | 127 | *12 | 115 | 153 | *47 | 106 | 99 | *24 | 75 | 87 | *17 | 70 | 96 | *17 | 79 |
| Diseases of prostate | *24 | *24 | ... | *32 | *32 | ... | 75 | 75 | ... | 67 | 67 | ... | 64 | 64 | ... |
| Diseases of female genital organs .. | *30 | ... | *30 | *40 | ... | *40 | 67 | ... | 67 | 89 | ... | 89 | 89 | ... | 89 |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 25. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|-------|--------|------------|-------|--------|------------|------|--------|------------|------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Number per 1,000 persons | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 13.8 | 3.4 | 23.5 | 11.8 | 3.0 | 20.0 | 14.5 | 4.3 | 24.1 | 13.8 | 4.2 | 22.9 | 14.9 | 4.5 | 24.8 |
| Diabetes | 25.3 | 21.6 | 28.8 | 22.1 | 25.9 | 28.7 | 25.9 | 23.9 | 27.8 | 27.0 | 24.4 | 29.5 | 28.0 | 25.2 | 30.6 |
| Anemias | 14.9 | 4.8 | 24.3 | 13.7 | 5.5 | 21.5 | 16.0 | 5.9 | 25.5 | 15.3 | 5.3 | 24.6 | 15.0 | 5.0 | 24.5 |
| Migraine headache | 32.8 | 17.7 | 46.8 | 35.8 | 18.3 | 52.2 | 39.7 | 21.5 | 56.8 | 39.7 | 21.9 | 56.5 | 40.1 | 21.9 | 57.4 |
| Neuralgia or neuritis, unspecified ... | 4.0 | 2.4 | 5.6 | 3.0 | 2.3 | 3.7 | 2.2 | 1.3 | 3.1 | 2.1 | 1.3 | 2.8 | 2.1 | 1.4 | 2.7 |
| Kidney disorders | 14.5 | 10.0 | 18.7 | 14.7 | 11.0 | 18.2 | 13.0 | 10.3 | 15.6 | 12.6 | 9.7 | 15.4 | 12.6 | 9.4 | 15.7 |
| Bladder disorders | 15.0 | 4.0 | 25.3 | 15.7 | 5.2 | 25.5 | 13.2 | 4.0 | 21.9 | 14.0 | 4.0 | 23.5 | 13.8 | 4.0 | 23.1 |
| Diseases of prostate | 6.2 | 12.8 | ... | 6.2 | 12.9 | ... | 6.8 | 14.0 | ... | 6.8 | 14.1 | ... | 7.4 | 15.3 | ... |
| Diseases of female genital organs .. | 21.3 | ... | 41.2 | 28.2 | ... | 54.5 | 28.7 | ... | 55.6 | 28.8 | ... | 56.0 | 28.9 | ... | 56.1 |
| 55-64 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 29.3 | 9.9 | 46.3 | 26.5 | 9.5 | 41.5 | 37.0 | 11.8 | 59.5 | 33.7 | 9.7 | 55.3 | 35.4 | 11.0 | 57.2 |
| Diabetes | 72.0 | 72.0 | 72.0 | 76.4 | 79.1 | 74.0 | 71.9 | 77.4 | 67.0 | 74.8 | 79.0 | 71.0 | 77.7 | 80.1 | 75.6 |
| Anemias | 12.9 | *5.0 | 19.8 | 9.8 | *5.8 | 13.4 | 13.1 | 5.3 | 20.1 | 12.7 | *4.2 | 20.3 | 9.9 | *3.9 | 15.4 |
| Migraine headache | 39.1 | 23.2 | 52.9 | 37.8 | 16.9 | 56.4 | 38.8 | 17.6 | 57.7 | 40.6 | 21.6 | 57.5 | 43.2 | 21.3 | 62.8 |
| Neuralgia or neuritis, unspecified ... | 12.8 | 9.6 | 15.6 | 7.9 | *5.9 | 9.7 | 7.6 | 4.9 | 10.0 | 6.7 | 5.5 | 7.8 | 5.9 | *4.7 | 7.0 |
| Kidney disorders | 25.5 | 23.9 | 26.8 | 27.7 | 25.7 | 29.5 | 20.3 | 24.1 | 16.9 | 21.1 | 23.5 | 19.0 | 22.2 | 22.9 | 21.6 |
| Bladder disorders | 20.9 | *5.4 | 34.3 | 23.2 | 7.5 | 37.2 | 19.9 | 8.0 | 30.5 | 18.9 | 7.0 | 29.7 | 19.5 | 5.9 | 31.8 |
| Diseases of prostate | 15.7 | 33.6 | ... | 17.2 | 16.6 | ... | 18.7 | 39.7 | ... | 17.3 | 36.7 | ... | 17.8 | 37.6 | ... |
| Diseases of female genital organs .. | 15.7 | ... | 29.4 | 17.6 | ... | 33.1 | 21.4 | ... | 40.6 | 21.8 | ... | 41.4 | 20.4 | ... | 38.7 |
| 65-74 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 30.3 | *8.9 | 46.8 | 27.5 | 9.7 | 41.5 | 34.6 | 11.7 | 53.0 | 37.6 | 14.1 | 56.5 | 40.1 | 13.6 | 61.5 |
| Diabetes | 93.6 | 80.0 | 104.1 | 99.6 | 102.6 | 97.2 | 95.8 | 88.3 | 101.8 | 98.6 | 91.2 | 104.6 | 106.6 | 106.4 | 106.9 |
| Anemias | 17.7 | *8.8 | 24.5 | 18.5 | 11.5 | 23.9 | 18.8 | 12.6 | 23.8 | 21.0 | 14.3 | 26.5 | 19.2 | 11.4 | 25.5 |
| Migraine headache | 23.2 | *10.6 | 32.9 | 20.2 | 10.6 | 27.9 | 25.6 | 10.8 | 37.5 | 24.0 | 11.4 | 34.1 | 22.9 | 9.9 | 33.4 |
| Neuralgia or neuritis, unspecified ... | 15.0 | *8.5 | 19.9 | 9.8 | 9.9 | 9.8 | 5.5 | *4.5 | 6.2 | 6.1 | *4.9 | 7.1 | 6.8 | 6.6 | 7.0 |
| Kidney disorders | 26.5 | 27.4 | 25.8 | 25.1 | 23.8 | 26.1 | 26.3 | 22.3 | 29.5 | 26.7 | 19.5 | 32.4 | 24.8 | 19.6 | 29.1 |
| Bladder disorders | 22.7 | *10.2 | 32.4 | 32.8 | 22.5 | 41.0 | 25.7 | 9.9 | 38.4 | 27.0 | 8.1 | 42.1 | 26.1 | 8.0 | 40.7 |
| Diseases of prostate | 27.4 | 63.1 | ... | 28.1 | 63.8 | ... | 28.4 | 63.9 | ... | 29.8 | 66.7 | ... | 35.7 | 79.9 | ... |
| Diseases of female genital organs .. | 18.0 | ... | 31.8 | 18.9 | ... | 33.8 | 24.2 | ... | 43.7 | 27.2 | ... | 49.1 | 25.2 | ... | 45.6 |

Table 25. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75–84 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 31.7 | *9.1 | 45.4 | 28.8 | *10.7 | 39.8 | 33.4 | 15.7 | 44.4 | 32.5 | 16.8 | 42.4 | 34.1 | *10.8 | 49.1 |
| Diabetes | 86.5 | 89.5 | 84.7 | 105.5 | 111.6 | 101.7 | 87.7 | 90.6 | 85.9 | 90.9 | 92.1 | 90.1 | 100.2 | 101.0 | 99.7 |
| Anemias | 25.9 | *16.2 | 31.7 | 22.2 | *14.2 | 27.0 | 25.5 | *12.1 | 33.8 | 22.8 | *13.6 | 28.7 | 22.8 | *12.2 | 29.7 |
| Migraine headache | *9.4 | *3.9 | *12.8 | 14.5 | *4.0 | 20.8 | 15.2 | *9.7 | 18.6 | 21.0 | *7.1 | 29.7 | 22.3 | *5.7 | 32.9 |
| Neuralgia or neuritis, unspecified ... | 18.0 | *9.7 | 23.0 | 16.7 | *14.2 | 18.2 | 6.3 | *4.5 | *7.5 | 7.0 | *4.4 | *8.6 | 8.1 | *3.4 | 11.1 |
| Kidney disorders | 29.2 | *24.9 | 31.8 | 32.7 | 39.7 | 28.5 | 24.2 | 30.8 | 20.1 | 22.5 | 21.3 | 23.2 | 27.0 | 23.3 | 29.4 |
| Bladder disorders | 45.5 | *25.2 | 57.7 | 43.5 | 31.3 | 51.0 | 43.1 | 27.5 | 52.9 | 51.0 | 40.3 | 57.7 | 51.7 | 35.4 | 62.1 |
| Diseases of prostate | 27.6 | 73.0 | ... | 32.3 | 85.6 | ... | 32.3 | 84.2 | ... | 35.3 | 91.4 | ... | 35.5 | 90.7 | ... |
| Diseases of female genital organs .. | 14.2 | ... | 22.8 | 18.4 | ... | 29.5 | 24.5 | ... | 39.8 | 21.2 | ... | 34.6 | 23.9 | ... | 39.2 |
| 65 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 29.7 | 8.9 | 44.0 | 27.3 | 9.4 | 39.8 | 33.9 | 12.9 | 48.9 | 34.3 | 14.7 | 48.3 | 36.8 | 13.3 | 53.7 |
| Diabetes | 90.5 | 83.0 | 95.7 | 100.1 | 103.0 | 98.0 | 91.3 | 87.1 | 94.3 | 93.7 | 89.1 | 96.9 | 101.1 | 101.6 | 100.8 |
| Anemias | 21.8 | 11.3 | 29.0 | 19.9 | 12.3 | 25.2 | 23.0 | 14.2 | 29.2 | 22.9 | 16.0 | 27.8 | 21.9 | 14.4 | 27.2 |
| Migraine headache | 17.6 | 8.1 | 24.1 | 17.5 | 8.5 | 23.8 | 20.7 | 9.8 | 28.5 | 21.4 | 9.5 | 30.0 | 21.4 | 8.1 | 30.9 |
| Neuralgia or neuritis, unspecified ... | 16.0 | 9.0 | 20.7 | 12.5 | 11.1 | 13.4 | 6.9 | 5.6 | 7.8 | 6.6 | 4.4 | 8.1 | 7.3 | 5.3 | 8.7 |
| Kidney disorders | 28.5 | 25.9 | 30.3 | 28.1 | 28.0 | 28.2 | 25.1 | 24.7 | 25.5 | 24.7 | 20.1 | 27.9 | 25.0 | 20.4 | 28.3 |
| Bladder disorders | 33.0 | 15.0 | 45.4 | 39.2 | 27.8 | 47.3 | 32.6 | 16.4 | 44.2 | 35.3 | 18.4 | 47.5 | 35.2 | 16.9 | 48.3 |
| Diseases of prostate | 26.4 | 64.7 | ... | 28.5 | 69.1 | ... | 30.0 | 72.2 | ... | 31.4 | 75.4 | ... | 34.9 | 83.5 | ... |
| Diseases of female genital organs .. | 16.7 | ... | 28.2 | 18.8 | ... | 32.0 | 24.8 | ... | 42.4 | 26.2 | ... | 44.9 | 25.7 | ... | 44.1 |
| 75 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 28.6 | *8.9 | 39.9 | 27.0 | *8.9 | 37.5 | 32.8 | 15.3 | 43.1 | 29.2 | 15.8 | 37.2 | 31.9 | 12.7 | 43.3 |
| Diabetes | 85.5 | 88.8 | 83.5 | 100.8 | 103.6 | 99.1 | 84.3 | 84.9 | 84.0 | 86.0 | 85.2 | 86.5 | 92.7 | 92.8 | 92.7 |
| Anemias | 28.4 | *16.0 | 35.6 | 22.1 | *13.7 | 26.9 | 29.5 | 17.3 | 36.6 | 25.8 | 19.3 | 29.7 | 25.9 | 19.8 | 29.6 |
| Migraine headache | 8.4 | *3.3 | *11.4 | 13.0 | *4.4 | 18.0 | 13.2 | *8.1 | 16.2 | 17.5 | *5.9 | 24.4 | 19.1 | *4.8 | 27.6 |
| Neuralgia or neuritis, unspecified ... | 17.6 | *10.0 | 21.9 | 16.7 | *13.4 | 18.7 | 9.1 | *7.8 | 9.9 | 7.4 | *3.7 | 9.6 | 7.9 | *2.8 | 11.0 |
| Kidney disorders | 31.8 | 22.9 | 36.9 | 33.1 | 36.2 | 31.3 | 23.3 | 29.1 | 19.9 | 21.6 | 21.1 | 21.8 | 25.2 | 21.8 | 27.2 |
| Bladder disorders | 49.7 | 24.3 | 64.4 | 49.6 | 38.0 | 56.3 | 43.4 | 28.5 | 52.1 | 48.3 | 37.5 | 54.7 | 49.1 | 33.3 | 58.4 |
| Diseases of prostate | 24.8 | 67.7 | ... | 29.1 | 79.3 | ... | 32.5 | 87.9 | ... | 34.0 | 91.6 | ... | 33.6 | 90.0 | ... |
| Diseases of female genital organs .. | 14.6 | ... | 23.0 | 18.6 | ... | 29.4 | 25.6 | ... | 40.7 | 24.7 | ... | 39.2 | 26.4 | ... | 42.0 |

Table 25. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|--------------------------------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|---------------|
| | <i>Both</i> | | | <i>Both</i> | | | <i>Both</i> | | | <i>Both</i> | | | <i>Both</i> | | |
| | <i>sexes</i> | <i>Male</i> | <i>Female</i> | <i>sexes</i> | <i>Male</i> | <i>Female</i> | <i>sexes</i> | <i>Male</i> | <i>Female</i> | <i>sexes</i> | <i>Male</i> | <i>Female</i> | <i>sexes</i> | <i>Male</i> | <i>Female</i> |
| 85 years and over | | | | | | | | | | | | | | | |
| Diabetes | 80.9 | *85.3 | 78.8 | 81.3 | *65.0 | 89.1 | 70.3 | *56.3 | 76.7 | 66.3 | *50.8 | 73.4 | 63.6 | *51.6 | 68.8 |
| Anemias | *39.3 | *15.4 | *50.4 | *21.7 | *11.3 | *26.7 | 45.8 | *43.2 | 46.9 | 37.9 | *48.2 | 33.3 | 37.8 | *57.9 | *29.1 |
| Kidney disorders | 42.8 | *12.5 | *56.8 | 34.8 | *19.1 | *42.3 | *19.6 | *20.7 | *19.1 | *17.8 | *20.5 | *16.6 | *18.0 | *14.4 | *19.5 |
| Bladder disorders | 67.9 | *19.6 | 90.2 | 74.6 | *70.4 | 76.7 | 44.3 | *33.7 | 49.2 | 37.5 | *23.5 | 43.9 | 39.0 | *22.8 | 46.0 |
| Diseases of prostate | *12.8 | *40.6 | ... | *15.7 | *48.5 | ... | 33.4 | 106.5 | ... | 28.9 | 92.7 | ... | 26.2 | 86.4 | ... |
| Diseases of female genital organs .. | *16.1 | ... | *23.6 | *19.6 | ... | *29.0 | 30.1 | ... | 43.9 | 38.5 | ... | 55.9 | 36.1 | ... | 51.8 |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 26. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| All ages | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 3,169 | 2,889 | 244 | 2,780 | 2,541 | 177 | 3,524 | 3,196 | 281 | 3,399 | 3,053 | 272 | 3,712 | 3,350 | 357 |
| Diabetes | 5,811 | 4,684 | 1,017 | 5,222 | 5,305 | 1,028 | 6,314 | 5,035 | 1,110 | 6,648 | 5,356 | 1,092 | 6,957 | 5,657 | 1,118 |
| Anemias | 3,420 | 2,680 | 699 | 3,245 | 2,557 | 616 | 3,902 | 2,967 | 808 | 3,756 | 2,874 | 758 | 3,736 | 2,747 | 827 |
| Migraine headache | 7,514 | 6,621 | 763 | 8,460 | 7,495 | 799 | 9,663 | 8,461 | 968 | 9,768 | 8,561 | 933 | 9,984 | 8,737 | 923 |
| Neuralgia or neuritis, unspecified ... | 925 | 819 | 101 | 720 | 639 | 78 | 539 | 470 | 61 | 511 | 439 | *49 | 518 | 455 | *40 |
| Kidney disorders | 3,321 | 2,791 | 468 | 3,478 | 3,067 | 353 | 3,177 | 2,823 | 274 | 3,113 | 2,727 | 283 | 3,145 | 2,703 | 353 |
| Bladder disorders | 3,435 | 3,081 | 316 | 3,706 | 3,272 | 374 | 3,225 | 2,921 | 274 | 3,452 | 3,111 | 304 | 3,432 | 3,068 | 309 |
| Diseases of prostate | 1,421 | 1,282 | 131 | 1,470 | 1,364 | 99 | 1,655 | 1,532 | 94 | 1,677 | 1,548 | 110 | 1,847 | 1,641 | 177 |
| Diseases of female genital organs .. | 4,888 | 7,283 | 510 | 6,653 | 5,681 | 812 | 6,982 | 6,046 | 801 | 7,099 | 6,156 | 797 | 7,179 | 6,240 | 785 |
| 55-64 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 645 | 589 | *47 | 583 | 536 | *30 | 794 | 715 | 71 | 718 | 630 | 71 | 748 | 665 | 57 |
| Diabetes | 1,584 | 1,245 | 295 | 1,681 | 1,349 | 298 | 1,541 | 1,217 | 280 | 1,592 | 1,265 | 278 | 1,645 | 1,328 | 276 |
| Anemias | 283 | 242 | *42 | 217 | 175 | *38 | 282 | 245 | *32 | 270 | 247 | *19 | 210 | 183 | *27 |
| Migraine headache | 859 | 762 | 78 | 832 | 757 | 71 | 831 | 735 | 76 | 864 | 767 | 73 | 914 | 805 | 82 |
| Neuralgia or neuritis, unspecified ... | 282 | 278 | *4 | 174 | 152 | *22 | 163 | 148 | *15 | 143 | 127 | *12 | 125 | 110 | *12 |
| Kidney disorders | 560 | 433 | 110 | 610 | 550 | *54 | 435 | 403 | *18 | 450 | 423 | *14 | 470 | 422 | *35 |
| Bladder disorders | 459 | 411 | *37 | 511 | 472 | *33 | 426 | 412 | *15 | 403 | 377 | *26 | 413 | 376 | *33 |
| Diseases of prostate | 345 | 304 | *37 | 378 | 352 | *22 | 402 | 380 | *10 | 369 | 340 | *16 | 377 | 322 | *35 |
| Diseases of female genital organs .. | 345 | 305 | *32 | 386 | 379 | *8 | 460 | 417 | *43 | 464 | 418 | *43 | 432 | 391 | *34 |
| 65-74 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 487 | 453 | *34 | 467 | 434 | *26 | 617 | 575 | *42 | 679 | 624 | 52 | 733 | 667 | 58 |
| Diabetes | 1,503 | 1,205 | 273 | 1,693 | 1,429 | 230 | 1,707 | 1,407 | 253 | 1,782 | 1,450 | 277 | 1,950 | 1,583 | 324 |
| Anemias | 284 | 274 | *6 | 314 | 288 | *26 | 335 | 281 | 54 | 380 | 325 | 55 | 352 | 313 | *33 |
| Migraine headache | 372 | 355 | *14 | 344 | 295 | *49 | 456 | 423 | *25 | 433 | 394 | *27 | 418 | 387 | *23 |
| Neuralgia or neuritis, unspecified ... | 240 | 188 | *53 | 167 | 140 | *27 | 97 | 83 | *9 | 110 | 89 | *12 | 125 | 106 | *14 |
| Kidney disorders | 426 | 366 | *48 | 426 | 338 | *58 | 469 | 414 | *38 | 482 | 420 | *38 | 454 | 400 | *38 |
| Bladder disorders | 365 | 309 | *45 | 558 | 469 | 73 | 459 | 430 | *25 | 487 | 459 | *17 | 477 | 437 | *29 |
| Diseases of prostate | 440 | 401 | *35 | 478 | 456 | *22 | 507 | 469 | *29 | 538 | 512 | *26 | 653 | 584 | 70 |
| Diseases of female genital organs .. | 289 | 265 | *16 | 322 | 301 | *7 | 432 | 393 | *29 | 492 | 453 | *35 | 461 | 429 | *21 |

Table 26. Average annual number of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by race, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|---|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75–84 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 253 | 220 | *33 | 246 | 242 | *4 | 306 | 281 | *25 | 304 | 290 | *14 | 326 | 305 | *17 |
| Diabetes | 691 | 610 | 81 | 900 | 763 | 115 | 804 | 654 | 147 | 852 | 709 | 132 | 956 | 819 | 118 |
| Anemias | 206 | 186 | *13 | 189 | 168 | *21 | 234 | 211 | *23 | 214 | 194 | *20 | 218 | 200 | *18 |
| Migraine headache | *75 | 61 | *6 | 123 | 111 | *12 | 139 | 135 | — | 197 | 193 | — | 212 | 202 | *4 |
| Neuralgia or neuritis, unspecified ... | 144 | 137 | *6 | 142 | 142 | — | 58 | 44 | *14 | 65 | 60 | *5 | 77 | 72 | *5 |
| Kidney disorders | 233 | 194 | *39 | 279 | 263 | *16 | 222 | 183 | *38 | 211 | 159 | *48 | 258 | 208 | *44 |
| Bladder disorders | 363 | 338 | *25 | 372 | 358 | *14 | 396 | 371 | *24 | 478 | 443 | *35 | 493 | 448 | *34 |
| Diseases of prostate | 220 | 191 | *30 | 275 | 240 | *32 | 296 | 273 | *23 | 331 | 302 | *25 | 338 | 303 | *32 |
| Diseases of female genital organs .. | 113 | 106 | *8 | 157 | 151 | *5 | 225 | 206 | *19 | 199 | 189 | *10 | 228 | 210 | *18 |
| 65 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 768 | 702 | *66 | 753 | 716 | *30 | 991 | 920 | 71 | 1,021 | 947 | 70 | 1,116 | 1,029 | 75 |
| Diabetes | 2,345 | 1,944 | 376 | 2,760 | 2,320 | 384 | 2,668 | 2,202 | 416 | 2,788 | 2,303 | 419 | 3,063 | 2,538 | 458 |
| Anemias | 564 | 534 | *19 | 548 | 498 | *50 | 671 | 586 | 84 | 682 | 596 | 86 | 663 | 599 | 59 |
| Migraine headache | 456 | 424 | *20 | 482 | 418 | *61 | 606 | 570 | *25 | 638 | 595 | *27 | 647 | 605 | *27 |
| Neuralgia or neuritis, unspecified ... | 413 | 351 | *62 | 344 | 314 | *27 | 201 | 168 | *28 | 196 | 170 | *17 | 220 | 195 | *21 |
| Kidney disorders | 739 | 740 | 87 | 776 | 673 | 74 | 735 | 641 | 76 | 734 | 617 | 89 | 756 | 642 | 93 |
| Bladder disorders | 854 | 762 | 81 | 1,082 | 970 | 93 | 953 | 898 | 52 | 1,052 | 986 | 54 | 1,066 | 973 | 71 |
| Diseases of prostate | 684 | 615 | *65 | 786 | 728 | *55 | 877 | 805 | 56 | 936 | 878 | 54 | 1,056 | 951 | 102 |
| Diseases of female genital organs .. | 433 | 401 | *24 | 518 | 493 | *12 | 725 | 665 | 49 | 780 | 730 | *46 | 777 | 726 | *40 |
| 75 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 281 | 249 | *33 | 286 | 282 | *4 | 374 | 345 | *29 | 342 | 324 | *18 | 383 | 362 | *17 |
| Diabetes | 842 | 739 | 103 | 1,066 | 891 | 155 | 961 | 794 | 163 | 1,006 | 852 | 142 | 1,113 | 955 | 134 |
| Anemias | 280 | 259 | *13 | 234 | 210 | *23 | 336 | 305 | *31 | 302 | 271 | *31 | 311 | 286 | *25 |
| Migraine headache | 83 | 69 | *6 | 138 | 123 | *12 | 150 | 146 | — | 205 | 201 | — | 229 | 219 | *4 |
| Neuralgia or neuritis, unspecified ... | 173 | 163 | *10 | 177 | 174 | — | 104 | 85 | *18 | 86 | 81 | *5 | 95 | 88 | *7 |
| Kidney disorders | 313 | 274 | *39 | 350 | 344 | *16 | 265 | 227 | *38 | 252 | 197 | 51 | 302 | 242 | 55 |
| Bladder disorders | 490 | 453 | *36 | 524 | 500 | *21 | 494 | 465 | *27 | 564 | 528 | *37 | 589 | 536 | *42 |
| Diseases of prostate | 244 | 215 | *30 | 308 | 272 | *32 | 371 | 336 | *27 | 398 | 366 | *28 | 403 | 367 | *31 |
| Diseases of female genital organs .. | 143 | 136 | *8 | 197 | 192 | *5 | 292 | 272 | *20 | 288 | 277 | *11 | 316 | 297 | *19 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 27. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Rate per 1,000 persons | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 13.8 | 14.7 | 8.9 | 11.8 | 12.7 | 6.2 | 14.5 | 15.6 | 9.4 | 13.8 | 14.8 | 8.9 | 14.9 | 16.1 | 8.3 |
| Diabetes | 25.3 | 23.9 | 37.2 | 22.1 | 26.5 | 36.0 | 25.9 | 24.5 | 37.1 | 27.0 | 25.9 | 35.9 | 28.0 | 27.2 | 36.2 |
| Anemias | 14.9 | 13.7 | 25.6 | 13.7 | 12.8 | 21.6 | 16.0 | 14.5 | 27.0 | 15.3 | 13.9 | 24.9 | 15.0 | 13.2 | 26.8 |
| Migraine headache | 32.8 | 33.8 | 27.9 | 35.8 | 37.4 | 28.0 | 39.7 | 41.2 | 32.4 | 39.7 | 41.4 | 30.7 | 40.1 | 42.0 | 29.9 |
| Neuralgia or neuritis, unspecified ... | 4.0 | 4.2 | 3.7 | 3.0 | 3.2 | 2.7 | 2.2 | 2.3 | 2.0 | 2.1 | 2.1 | *1.6 | 2.1 | 2.2 | *1.3 |
| Kidney disorders | 14.5 | 14.2 | 17.1 | 14.7 | 15.3 | 12.4 | 13.0 | 13.8 | 9.2 | 12.6 | 13.2 | 9.3 | 12.6 | 13.0 | 11.4 |
| Bladder disorders | 15.0 | 15.7 | 11.6 | 15.7 | 16.3 | 13.1 | 13.2 | 14.2 | 9.2 | 14.0 | 15.0 | 10.0 | 13.8 | 14.7 | 10.0 |
| Diseases of prostate | 6.2 | 6.5 | 4.8 | 6.2 | 6.8 | 3.5 | 6.8 | 7.5 | 3.2 | 6.8 | 7.5 | 3.6 | 7.4 | 7.9 | 5.7 |
| Diseases of female genital organs .. | 21.3 | 21.8 | 18.7 | 28.2 | 28.3 | 28.4 | 28.7 | 29.5 | 26.8 | 28.8 | 29.8 | 26.2 | 28.9 | 30.0 | 25.4 |
| 55-64 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 29.3 | 29.9 | *23.8 | 26.5 | 27.5 | *14.7 | 37.0 | 38.1 | 33.2 | 33.7 | 33.9 | 33.0 | 35.4 | 36.2 | 26.4 |
| Diabetes | 72.0 | 63.2 | 150.6 | 76.4 | 69.2 | 143.2 | 71.9 | 64.9 | 131.7 | 74.8 | 68.1 | 130.1 | 77.7 | 72.3 | 128.0 |
| Anemias | 12.9 | 12.3 | *21.3 | 9.8 | 9.0 | *18.2 | 13.1 | 13.1 | *15.3 | 12.7 | 13.3 | *8.8 | 9.9 | 10.0 | *12.7 |
| Migraine headache | 39.1 | 38.7 | 39.9 | 37.8 | 38.8 | 34.3 | 38.8 | 39.2 | 35.7 | 40.6 | 41.3 | 34.0 | 43.2 | 43.8 | 38.2 |
| Neuralgia or neuritis, unspecified ... | 12.8 | 14.1 | *2.1 | 7.9 | 7.8 | *10.4 | 7.6 | 7.9 | *7.1 | 6.7 | 6.8 | *5.8 | 5.9 | 6.0 | *5.5 |
| Kidney disorders | 25.5 | 22.0 | 56.4 | 27.7 | 28.2 | *25.9 | 20.3 | 21.5 | *8.6 | 21.1 | 22.8 | *6.3 | 22.2 | 23.0 | *16.1 |
| Bladder disorders | 20.9 | 20.9 | *19.0 | 23.2 | 24.2 | *15.8 | 19.9 | 21.9 | *6.9 | 18.9 | 20.3 | *12.1 | 19.5 | 20.5 | *15.3 |
| Diseases of prostate | 15.7 | 15.5 | *18.8 | 17.2 | 18.1 | *10.6 | 18.7 | 20.2 | *4.6 | 17.3 | 18.3 | *7.7 | 17.8 | 17.5 | *16.2 |
| Diseases of female genital organs .. | 15.7 | 15.5 | *16.2 | 17.6 | 19.4 | *3.7 | 21.4 | 22.2 | *20.2 | 21.8 | 22.5 | *20.2 | 20.4 | 21.3 | *15.6 |
| 65-74 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 30.3 | 31.3 | *24.9 | 27.5 | 28.4 | *17.7 | 34.6 | 36.0 | *27.0 | 37.6 | 38.6 | 32.7 | 40.1 | 40.9 | 36.0 |
| Diabetes | 93.6 | 83.2 | 202.0 | 99.6 | 93.5 | 157.4 | 95.8 | 88.1 | 164.0 | 98.6 | 89.7 | 176.0 | 106.6 | 97.1 | 201.0 |
| Anemias | 17.7 | 18.9 | *4.4 | 18.5 | 18.8 | *18.1 | 18.8 | 17.6 | 34.7 | 21.0 | 20.1 | 34.9 | 19.2 | 19.2 | *20.7 |
| Migraine headache | 23.2 | 24.5 | *10.4 | 20.2 | 19.3 | *33.4 | 25.6 | 26.5 | *16.4 | 24.0 | 24.4 | *17.4 | 22.9 | 23.7 | *14.6 |
| Neuralgia or neuritis, unspecified ... | 15.0 | 12.9 | *39.1 | 9.8 | 9.2 | *18.2 | 5.5 | 5.2 | *6.0 | 6.1 | 5.5 | *7.5 | 6.8 | 6.5 | *8.9 |
| Kidney disorders | 26.5 | 25.2 | *35.7 | 25.1 | 22.2 | *39.8 | 26.3 | 25.9 | *24.6 | 26.7 | 25.9 | *24.1 | 24.8 | 24.6 | *23.8 |
| Bladder disorders | 22.7 | 21.3 | *33.0 | 32.8 | 30.7 | 49.7 | 25.7 | 26.9 | *16.3 | 27.0 | 28.4 | *10.6 | 26.1 | 26.8 | *18.0 |
| Diseases of prostate | 27.4 | 27.7 | *25.9 | 28.1 | 29.8 | *15.2 | 28.4 | 29.4 | *18.9 | 29.8 | 31.6 | *16.6 | 35.7 | 35.8 | 43.3 |
| Diseases of female genital organs .. | 18.0 | 18.3 | *12.2 | 18.9 | 19.7 | *4.8 | 24.2 | 24.6 | *18.7 | 27.2 | 28.0 | *22.0 | 25.2 | 26.3 | *13.0 |

Table 27. Average annual rate of selected respondent-reported chronic conditions of the genitourinary, nervous, endocrine, metabolic, and blood and blood-forming systems, by race, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|---|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75–84 years | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 31.7 | 30.4 | *50.0 | 28.8 | 31.3 | *5.9 | 33.4 | 33.8 | *34.5 | 32.5 | 34.2 | *18.9 | 34.1 | 35.2 | *22.6 |
| Diabetes | 86.5 | 84.2 | 124.5 | 105.5 | 98.9 | 166.0 | 87.7 | 78.7 | 200.5 | 90.9 | 83.4 | 175.2 | 100.2 | 94.7 | 155.6 |
| Anemias | 25.9 | 25.7 | *19.4 | 22.2 | 21.8 | *30.0 | 25.5 | 25.4 | *31.0 | 22.8 | 22.8 | *27.2 | 22.8 | 23.1 | *23.5 |
| Migraine headache | *9.4 | *8.5 | *9.3 | 14.5 | 14.4 | *17.3 | 15.2 | 16.3 | *— | 21.0 | 22.7 | *— | 22.3 | 23.4 | *4.7 |
| Neuralgia or neuritis, unspecified ... | 18.0 | 18.9 | *10.0 | 16.7 | 18.5 | *— | 6.3 | 5.3 | *19.6 | 7.0 | 7.1 | *7.2 | 8.1 | 8.3 | *7.2 |
| Kidney disorders | 29.2 | 26.8 | *59.5 | 32.7 | 34.1 | *23.0 | 24.2 | 22.1 | *52.4 | 22.5 | 18.7 | *64.0 | 27.0 | 24.1 | *58.5 |
| Bladder disorders | 45.5 | 46.7 | *37.6 | 43.5 | 46.3 | *20.0 | 43.1 | 44.7 | *33.2 | 51.0 | 52.2 | *46.0 | 51.7 | 51.8 | *45.1 |
| Diseases of prostate | 27.6 | 26.3 | *45.6 | 32.3 | 31.1 | *46.6 | 32.3 | 32.8 | *32.0 | 35.3 | 35.6 | *32.6 | 35.5 | 35.0 | *42.2 |
| Diseases of female genital organs .. | 14.2 | 14.6 | *11.9 | 18.4 | 19.6 | *7.8 | 24.5 | 24.8 | *26.5 | 21.2 | 22.2 | *13.8 | 23.9 | 24.2 | *23.8 |
| 65 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 29.7 | 30.0 | *30.9 | 27.3 | 28.8 | *13.0 | 33.9 | 35.0 | 28.9 | 34.3 | 35.4 | 27.8 | 36.8 | 37.8 | 29.3 |
| Diabetes | 90.5 | 82.9 | 175.5 | 100.1 | 93.3 | 166.8 | 91.3 | 83.7 | 169.7 | 93.7 | 86.0 | 167.2 | 101.1 | 93.4 | 178.6 |
| Anemias | 21.8 | 22.8 | *8.7 | 19.9 | 20.0 | *21.6 | 23.0 | 22.3 | 34.4 | 22.9 | 22.3 | 34.2 | 21.9 | 22.0 | 22.9 |
| Migraine headache | 17.6 | 18.1 | *9.4 | 17.5 | 16.8 | *26.3 | 20.7 | 21.7 | *10.3 | 21.4 | 22.2 | *11.0 | 21.4 | 22.3 | *10.6 |
| Neuralgia or neuritis, unspecified ... | 16.0 | 15.0 | *29.1 | 12.5 | 12.6 | *11.5 | 6.9 | 6.4 | *11.3 | 6.6 | 6.4 | *6.9 | 7.3 | 7.2 | *8.3 |
| Kidney disorders | 28.5 | 27.3 | 40.6 | 28.1 | 27.1 | 32.1 | 25.1 | 24.4 | 31.1 | 24.7 | 23.0 | 35.6 | 25.0 | 23.6 | 36.3 |
| Bladder disorders | 33.0 | 32.5 | 37.9 | 39.2 | 39.0 | 40.6 | 32.6 | 34.1 | 21.2 | 35.3 | 36.9 | 21.5 | 35.2 | 35.8 | 27.8 |
| Diseases of prostate | 26.4 | 26.2 | *30.2 | 28.5 | 29.3 | *23.7 | 30.0 | 30.6 | 22.8 | 31.4 | 32.8 | 21.6 | 34.9 | 35.0 | 39.7 |
| Diseases of female genital organs .. | 16.7 | 17.1 | *11.3 | 18.8 | 19.8 | *5.4 | 24.8 | 25.3 | 20.0 | 26.2 | 27.3 | *18.3 | 25.7 | 26.7 | *15.5 |
| 75 years and over | | | | | | | | | | | | | | | |
| Goiter and other disorders of the thyroid | 28.6 | 27.8 | *41.1 | 27.0 | 29.4 | *4.8 | 32.8 | 33.4 | *32.2 | 29.2 | 30.6 | *19.5 | 31.9 | 33.3 | *17.9 |
| Diabetes | 85.5 | 82.5 | 130.4 | 100.8 | 92.9 | 182.9 | 84.3 | 76.9 | 179.3 | 86.0 | 80.5 | 152.3 | 92.7 | 87.9 | 140.7 |
| Anemias | 28.4 | 29.0 | *16.0 | 22.1 | 21.9 | *27.6 | 29.5 | 29.5 | *33.9 | 25.8 | 25.6 | *32.9 | 25.9 | 26.3 | *26.5 |
| Migraine headache | 8.4 | *7.7 | *7.7 | 13.0 | 12.8 | *14.2 | 13.2 | 14.2 | *— | 17.5 | 19.0 | *— | 19.1 | 20.1 | *3.8 |
| Neuralgia or neuritis, unspecified ... | 17.6 | 18.3 | *12.2 | 16.7 | 18.1 | *— | 9.1 | 8.2 | *20.4 | 7.4 | 7.6 | *5.8 | 7.9 | 8.1 | *7.2 |
| Kidney disorders | 31.8 | 30.6 | *49.0 | 33.1 | 34.9 | *18.9 | 23.3 | 22.0 | *42.2 | 21.6 | 18.6 | 55.0 | 25.2 | 22.2 | 57.4 |
| Bladder disorders | 49.7 | 50.6 | *46.1 | 49.6 | 52.2 | *24.7 | 43.4 | 45.3 | *29.4 | 48.3 | 49.8 | *39.9 | 49.1 | 49.3 | *44.2 |
| Diseases of prostate | 24.8 | 24.0 | *37.5 | 29.1 | 28.4 | *38.3 | 32.5 | 32.5 | *29.5 | 34.0 | 34.6 | *30.0 | 33.6 | 33.8 | *33.5 |
| Diseases of female genital organs .. | 14.6 | 15.2 | *9.8 | 18.6 | 20.0 | *6.4 | 25.6 | 26.3 | *22.3 | 24.7 | 26.1 | *12.1 | 26.4 | 27.4 | *19.9 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 28. Average annual number of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | | | | | | | | | | |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| Gallbladder stones | 959 | 240 | 719 | 964 | 299 | 665 | 1,029 | 306 | 722 | 1,040 | 295 | 744 | 1,067 | 308 | 759 |
| Liver disease (including cirrhosis) . . . | 704 | 409 | 295 | 474 | 286 | 188 | 720 | 396 | 324 | 731 | 397 | 334 | 765 | 406 | 359 |
| Gastric ulcer | 3,134 | 1,413 | 1,721 | 3,555 | 1,653 | 1,902 | 3,241 | 1,497 | 1,744 | 3,099 | 1,411 | 1,688 | 3,118 | 1,473 | 1,646 |
| Duodenal ulcer | 753 | 398 | 355 | 621 | 275 | 346 | 589 | 228 | 361 | 587 | 250 | 337 | 613 | 281 | 332 |
| Abdominal hernia | 4,968 | 2,460 | 2,509 | 4,670 | 2,359 | 2,311 | 4,499 | 2,245 | 2,254 | 4,547 | 2,171 | 2,376 | 4,765 | 2,346 | 2,419 |
| Gastritis and duodenitis | 2,631 | 969 | 1,662 | 2,924 | 1,119 | 1,805 | 2,893 | 1,062 | 1,831 | 2,967 | 1,052 | 1,915 | 3,001 | 1,153 | 1,848 |
| Frequent indigestion | 5,414 | 2,681 | 2,733 | 5,695 | 2,787 | 2,908 | 5,668 | 2,699 | 2,969 | 5,637 | 2,768 | 2,869 | 5,955 | 2,909 | 3,047 |
| Enteritis and colitis | 2,252 | 685 | 1,567 | 2,366 | 732 | 1,634 | 2,409 | 779 | 1,630 | 2,311 | 750 | 1,562 | 2,332 | 816 | 1,516 |
| Spastic colon | 1,158 | 213 | 946 | 1,506 | 253 | 1,253 | 1,504 | 306 | 1,198 | 1,598 | 316 | 1,282 | 1,685 | 295 | 1,390 |
| Diverticula of the intestines | 1,732 | 450 | 1,282 | 1,944 | 478 | 1,466 | 1,960 | 550 | 1,410 | 1,957 | 597 | 1,360 | 1,997 | 591 | 1,406 |
| Frequent constipation | 4,563 | 1,100 | 3,463 | 4,344 | 1,003 | 3,341 | 4,366 | 1,107 | 3,259 | 4,376 | 1,104 | 3,272 | 4,298 | 1,098 | 3,201 |
| 55-64 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 228 | *72 | 156 | 176 | 75 | 102 | 178 | 83 | 95 | 160 | 73 | 87 | 166 | 69 | 97 |
| Liver disease (including cirrhosis) . . . | 214 | 121 | 93 | 86 | *37 | *49 | 140 | 93 | 47 | 133 | 79 | 55 | 145 | 68 | 77 |
| Gastric ulcer | 555 | 237 | 318 | 521 | 237 | 284 | 543 | 263 | 280 | 490 | 227 | 263 | 485 | 213 | 272 |
| Duodenal ulcer | 195 | 126 | *69 | 143 | 71 | 72 | 121 | *45 | 76 | 122 | *40 | 82 | 108 | *45 | 62 |
| Abdominal hernia | 1,172 | 602 | 570 | 1,030 | 455 | 575 | 900 | 496 | 405 | 910 | 459 | 451 | 953 | 482 | 471 |
| Gastritis and duodenitis | 538 | 207 | 331 | 529 | 174 | 355 | 429 | 155 | 274 | 442 | 145 | 297 | 455 | 151 | 304 |
| Frequent indigestion | 888 | 435 | 453 | 878 | 379 | 499 | 737 | 378 | 359 | 736 | 386 | 350 | 773 | 391 | 382 |
| Enteritis and colitis | 361 | 92 | 269 | 340 | 105 | 234 | 294 | 89 | 205 | 286 | 104 | 182 | 270 | 84 | 187 |
| Spastic colon | 207 | *24 | 183 | 258 | *36 | 223 | 256 | 57 | 199 | 265 | 51 | 214 | 230 | *28 | 203 |
| Diverticula of the intestines | 450 | 148 | 302 | 456 | 106 | 350 | 445 | 148 | 298 | 428 | 133 | 295 | 419 | 109 | 310 |
| Frequent constipation | 650 | 136 | 515 | 413 | 89 | 324 | 472 | 101 | 372 | 428 | 82 | 347 | 406 | 85 | 321 |
| 65-74 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 195 | *39 | 156 | 165 | *66 | 99 | 239 | 89 | 150 | 203 | 67 | 136 | 224 | 74 | 150 |
| Liver disease (including cirrhosis) . . . | 87 | *53 | *34 | 96 | *68 | *28 | 66 | *32 | *34 | 68 | *25 | *43 | 86 | *36 | *50 |
| Gastric ulcer | 371 | 177 | 194 | 432 | 228 | 204 | 366 | 152 | 214 | 343 | 159 | 184 | 364 | 175 | 189 |
| Duodenal ulcer | 157 | 86 | *71 | 135 | 78 | *57 | 111 | 50 | 61 | 106 | *45 | 61 | 133 | 68 | 65 |
| Abdominal hernia | 1,256 | 572 | 684 | 1,047 | 455 | 592 | 957 | 386 | 571 | 979 | 378 | 601 | 1,004 | 424 | 580 |
| Gastritis and duodenitis | 381 | 146 | 235 | 375 | 133 | 241 | 392 | 126 | 265 | 402 | 124 | 279 | 421 | 122 | 299 |
| Frequent indigestion | 772 | 378 | 394 | 750 | 270 | 480 | 711 | 258 | 453 | 715 | 245 | 471 | 810 | 326 | 484 |
| Enteritis and colitis | 297 | *78 | 220 | 286 | 84 | 202 | 336 | 109 | 228 | 321 | 104 | 217 | 318 | 117 | 201 |
| Spastic colon | 165 | *32 | 132 | 165 | *22 | 144 | 191 | *45 | 147 | 164 | *39 | 125 | 210 | *43 | 167 |
| Diverticula of the intestines | 580 | 140 | 441 | 621 | 168 | 453 | 672 | 216 | 456 | 697 | 273 | 424 | 770 | 288 | 483 |
| Frequent constipation | 769 | 213 | 557 | 782 | 128 | 653 | 652 | 206 | 446 | 708 | 206 | 502 | 665 | 196 | 469 |

Table 28. Average annual number of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75-84 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 145 | *50 | 94 | 78 | *22 | *56 | 84 | *30 | 54 | 76 | *35 | *42 | 81 | *33 | *48 |
| Liver disease (including cirrhosis) . . . | *46 | *21 | *26 | *12 | *9 | *3 | *45 | *13 | *31 | *44 | *20 | *24 | 55 | *27 | *28 |
| Gastric ulcer | 195 | *56 | 139 | 227 | *65 | 162 | 232 | 91 | 141 | 246 | 101 | 145 | 208 | 100 | 107 |
| Duodenal ulcer | *37 | *16 | *21 | *25 | *7 | *18 | *46 | *15 | *31 | 58 | *20 | *38 | 66 | *23 | *43 |
| Abdominal hernia | 601 | 209 | 392 | 555 | 200 | 355 | 584 | 251 | 332 | 603 | 233 | 370 | 658 | 252 | 405 |
| Gastritis and duodenitis | 190 | *38 | 152 | 181 | *34 | 147 | 169 | *29 | 141 | 168 | *36 | 132 | 191 | 71 | 121 |
| Frequent indigestion | 370 | 112 | 258 | 360 | 170 | 190 | 390 | 147 | 244 | 406 | 169 | 236 | 388 | 167 | 221 |
| Enteritis and colitis | 136 | *15 | 121 | 196 | *19 | 176 | 174 | 47 | 126 | 228 | 50 | 178 | 206 | *39 | 167 |
| Spastic colon | *64 | *19 | *45 | *48 | *7 | *40 | 137 | *16 | 121 | 100 | *9 | 92 | 101 | *11 | 90 |
| Diverticula of the intestines | 346 | *75 | 271 | 418 | 85 | 333 | 401 | 84 | 317 | 378 | 87 | 291 | 372 | 63 | 309 |
| Frequent constipation | 805 | 203 | 603 | 713 | 167 | 546 | 790 | 221 | 568 | 754 | 194 | 559 | 718 | 175 | 543 |
| 65 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 367 | 90 | 277 | 265 | 97 | 168 | 356 | 123 | 232 | 313 | 107 | 206 | 330 | 115 | 215 |
| Liver disease (including cirrhosis) . . . | 142 | 83 | *60 | 112 | 78 | *33 | 111 | *45 | 65 | 116 | *45 | 70 | 148 | 67 | 82 |
| Gastric ulcer | 593 | 237 | 356 | 686 | 298 | 388 | 625 | 259 | 366 | 624 | 281 | 344 | 615 | 300 | 316 |
| Duodenal ulcer | 197 | 105 | 92 | 174 | 85 | 88 | 159 | 65 | 94 | 166 | 65 | 101 | 206 | 91 | 116 |
| Abdominal hernia | 1,966 | 820 | 1,146 | 1,763 | 720 | 1,043 | 1,655 | 675 | 980 | 1,698 | 640 | 1,058 | 1,798 | 722 | 1,076 |
| Gastritis and duodenitis | 616 | 199 | 417 | 600 | 167 | 432 | 634 | 172 | 462 | 634 | 180 | 454 | 670 | 215 | 454 |
| Frequent indigestion | 1,220 | 516 | 703 | 1,186 | 456 | 730 | 1,172 | 428 | 744 | 1,202 | 452 | 750 | 1,278 | 537 | 741 |
| Enteritis and colitis | 478 | 97 | 381 | 535 | 112 | 424 | 544 | 159 | 384 | 592 | 158 | 434 | 559 | 160 | 399 |
| Spastic colon | 241 | *52 | 189 | 229 | *29 | 200 | 346 | 71 | 276 | 283 | 58 | 225 | 333 | 64 | 269 |
| Diverticula of the intestines | 993 | 222 | 771 | 1,091 | 267 | 824 | 1,149 | 300 | 849 | 1,144 | 364 | 780 | 1,226 | 357 | 869 |
| Frequent constipation | 1,808 | 476 | 1,333 | 1,747 | 370 | 1,377 | 1,688 | 479 | 1,209 | 1,734 | 468 | 1,265 | 1,632 | 445 | 1,186 |
| 75 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 172 | *50 | 122 | 100 | *31 | 70 | 117 | *35 | 82 | 110 | *40 | 71 | 106 | *41 | 65 |
| Liver disease (including cirrhosis) . . . | *56 | *30 | *26 | *16 | *11 | *5 | *45 | *13 | *31 | *47 | *20 | *27 | 62 | *31 | *31 |
| Gastric ulcer | 222 | *60 | 162 | 254 | 70 | 184 | 258 | 107 | 152 | 282 | 122 | 160 | 251 | 125 | 126 |
| Duodenal ulcer | *40 | *19 | *21 | *39 | *7 | *32 | 48 | *15 | *33 | 60 | *20 | *40 | 74 | *23 | *51 |
| Abdominal hernia | 709 | 247 | 462 | 716 | 264 | 451 | 697 | 289 | 408 | 719 | 262 | 457 | 794 | 298 | 496 |
| Gastritis and duodenitis | 235 | *52 | 182 | 225 | *34 | 191 | 242 | *46 | 196 | 232 | 56 | 175 | 248 | 93 | 155 |
| Frequent indigestion | 448 | 138 | 309 | 436 | 186 | 250 | 461 | 170 | 291 | 486 | 207 | 279 | 468 | 211 | 257 |
| Enteritis and colitis | 180 | *19 | 161 | 249 | *28 | 222 | 207 | 51 | 157 | 271 | 53 | 217 | 241 | *43 | 199 |
| Spastic colon | *76 | *19 | *57 | *64 | *7 | *57 | 155 | *26 | 129 | 118 | *19 | 100 | 122 | *21 | 101 |
| Diverticula of the intestines | 413 | 83 | 330 | 470 | 99 | 371 | 478 | 84 | 393 | 447 | 91 | 356 | 455 | 69 | 386 |
| Frequent constipation | 1,039 | 263 | 776 | 965 | 241 | 724 | 1,035 | 273 | 762 | 1,026 | 262 | 764 | 967 | 249 | 718 |

Table 28. Average annual number of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982–84 | | | 1985–87 | | | 1988–90 | | | 1989–91 | | | 1990–92 | | |
|---|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | *27 | — | *27 | *22 | *8 | *13 | *33 | *5 | *28 | *34 | *5 | *29 | *25 | *8 | *16 |
| Liver disease (including cirrhosis) ... | *9 | *9 | — | *4 | *2 | *2 | — | — | — | *4 | — | *4 | *7 | *3 | *4 |
| Gastric ulcer | *27 | *4 | *23 | *27 | *5 | *22 | *26 | *16 | *11 | *36 | *21 | *15 | *43 | *24 | *19 |
| Duodenal ulcer | *3 | *3 | — | *14 | — | *14 | *2 | — | *2 | *2 | — | *2 | *8 | — | *8 |
| Abdominal hernia | 108 | *39 | *70 | 161 | *64 | 97 | 114 | *38 | 76 | 116 | *29 | 87 | 137 | *45 | 91 |
| Gastritis and duodenitis | *45 | *15 | *30 | *44 | — | *44 | 73 | *17 | 55 | 64 | *21 | *43 | 57 | *22 | *35 |
| Frequent indigestion | *78 | *26 | *52 | 76 | *16 | *60 | 71 | *23 | 47 | 81 | *38 | *43 | 80 | *45 | *36 |
| Enteritis and colitis | *44 | *4 | *40 | *54 | *8 | *45 | *33 | *3 | *30 | *42 | *3 | *39 | *35 | *3 | *32 |
| Spastic colon | *12 | — | *12 | *16 | — | *16 | *18 | *10 | *8 | *18 | *10 | *8 | *22 | *10 | *12 |
| Diverticula of the intestines | *66 | *8 | *58 | *52 | *14 | *38 | 76 | — | 76 | 69 | *4 | 65 | 83 | *6 | 77 |
| Frequent constipation | 234 | *61 | 173 | 252 | 75 | 177 | 246 | 52 | 194 | 272 | 68 | 204 | 248 | 74 | 174 |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 29. Average annual rate of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------------------|-------|--------|------------|------|--------|------------|------|--------|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | Rate per 1,000 persons | | | | | | | | | | | | | | |
| Gallbladder stones | 4.2 | 2.2 | 6.1 | 4.1 | 2.6 | 5.4 | 4.2 | 2.6 | 5.8 | 4.2 | 2.5 | 5.9 | 4.3 | 2.6 | 5.9 |
| Liver disease (including cirrhosis) . . . | 3.1 | 3.7 | 2.5 | 2.0 | 2.5 | 1.5 | 3.0 | 3.4 | 2.6 | 3.0 | 3.3 | 2.6 | 3.1 | 3.4 | 2.8 |
| Gastric ulcer | 13.7 | 12.8 | 14.5 | 15.1 | 14.5 | 15.6 | 13.3 | 12.7 | 13.9 | 12.6 | 11.8 | 13.3 | 12.5 | 12.2 | 12.9 |
| Duodenal ulcer | 3.3 | 3.6 | 3.0 | 2.6 | 2.4 | 2.8 | 2.4 | 1.9 | 2.9 | 2.4 | 2.1 | 2.7 | 2.5 | 2.3 | 2.6 |
| Abdominal hernia | 21.7 | 22.2 | 21.1 | 19.8 | 20.7 | 18.9 | 18.5 | 19.0 | 18.0 | 18.5 | 18.2 | 18.7 | 19.2 | 19.4 | 18.9 |
| Gastritis and duodenitis | 11.5 | 8.8 | 14.0 | 12.4 | 9.8 | 14.8 | 11.9 | 9.0 | 14.6 | 12.1 | 8.8 | 15.1 | 12.1 | 9.6 | 14.4 |
| Frequent indigestion | 23.6 | 24.2 | 23.0 | 24.1 | 24.4 | 23.8 | 23.3 | 22.9 | 23.7 | 22.9 | 23.2 | 22.6 | 23.9 | 24.1 | 23.8 |
| Enteritis and colitis | 9.8 | 6.2 | 13.2 | 10.0 | 6.4 | 13.4 | 9.9 | 6.6 | 13.0 | 9.4 | 6.3 | 12.3 | 9.4 | 6.8 | 11.8 |
| Spastic colon | 5.0 | 1.9 | 8.0 | 6.4 | 2.2 | 10.3 | 6.2 | 2.6 | 9.5 | 6.5 | 5.6 | 10.1 | 6.8 | 2.4 | 10.9 |
| Diverticula of the intestines | 7.6 | 4.1 | 10.8 | 8.2 | 4.2 | 12.0 | 8.0 | 4.7 | 11.2 | 8.0 | 5.0 | 10.7 | 8.0 | 4.9 | 11.0 |
| Frequent constipation | 19.9 | 9.9 | 29.2 | 18.4 | 8.8 | 27.4 | 17.9 | 9.4 | 26.0 | 17.8 | 9.2 | 25.8 | 17.3 | 9.1 | 25.0 |
| 55-64 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 10.4 | *7.0 | 13.3 | 8.0 | 7.2 | 8.7 | 8.3 | 8.2 | 8.4 | 7.5 | 7.2 | 7.8 | 7.9 | 6.9 | 8.7 |
| Liver disease (including cirrhosis) . . . | 9.7 | 11.8 | 7.9 | 3.9 | *3.6 | *4.2 | 6.5 | 9.2 | 4.2 | 6.3 | 7.8 | 4.9 | 6.8 | 6.7 | 6.9 |
| Gastric ulcer | 25.2 | 23.1 | 27.1 | 23.7 | 22.9 | 24.3 | 25.3 | 26.0 | 24.7 | 23.0 | 22.6 | 23.4 | 22.9 | 21.2 | 24.4 |
| Duodenal ulcer | 8.9 | 12.3 | *5.9 | 6.5 | 6.9 | 6.1 | 5.6 | *4.4 | 6.7 | 5.8 | *4.0 | 7.3 | 5.1 | *4.5 | 5.6 |
| Abdominal hernia | 53.3 | 58.7 | 48.5 | 46.8 | 44.1 | 49.2 | 42.0 | 49.0 | 35.7 | 42.8 | 45.7 | 40.2 | 45.0 | 48.1 | 42.2 |
| Gastritis and duodenitis | 24.4 | 20.2 | 28.2 | 24.1 | 16.9 | 30.4 | 20.0 | 15.4 | 24.2 | 20.8 | 14.4 | 26.4 | 21.5 | 15.1 | 27.2 |
| Frequent indigestion | 40.4 | 42.4 | 38.6 | 39.9 | 36.7 | 42.8 | 34.4 | 37.3 | 31.7 | 34.6 | 38.4 | 31.2 | 36.5 | 39.0 | 34.3 |
| Enteritis and colitis | 16.4 | 9.0 | 22.9 | 15.4 | 10.2 | 20.1 | 13.7 | 8.8 | 18.1 | 13.5 | 10.4 | 16.2 | 12.8 | 8.4 | 16.8 |
| Spastic colon | 9.4 | *2.3 | 15.6 | 11.7 | *3.5 | 19.1 | 11.9 | 5.7 | 17.6 | 12.4 | 5.0 | 19.1 | 10.9 | *2.8 | 18.2 |
| Diverticula of the intestines | 20.5 | 14.4 | 25.7 | 20.7 | 10.2 | 30.0 | 20.8 | 14.6 | 26.3 | 20.1 | 13.2 | 26.3 | 19.8 | 10.8 | 27.8 |
| Frequent constipation | 29.6 | 13.2 | 43.8 | 18.8 | 8.6 | 27.7 | 22.0 | 10.0 | 32.8 | 20.1 | 8.1 | 30.9 | 19.2 | 8.5 | 28.8 |
| 65-74 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 12.2 | *5.6 | 17.1 | 9.7 | *8.9 | 10.4 | 13.4 | 11.2 | 15.2 | 11.2 | 8.4 | 13.5 | 12.2 | 9.0 | 14.9 |
| Liver disease (including cirrhosis) . . . | 5.4 | *7.6 | *3.7 | 5.6 | 9.0 | *3.0 | 3.7 | *4.0 | *3.5 | 3.8 | *3.1 | *4.3 | 4.7 | *4.4 | *5.0 |
| Gastric ulcer | 23.1 | 25.3 | 21.4 | 25.4 | 30.4 | 21.5 | 20.5 | 19.1 | 21.7 | 19.0 | 19.7 | 18.4 | 19.9 | 21.4 | 18.7 |
| Duodenal ulcer | 9.8 | 12.3 | *7.9 | 8.0 | 10.5 | *6.0 | 6.2 | 6.3 | 6.2 | 5.9 | *5.5 | 6.1 | 7.2 | 8.3 | 6.4 |
| Abdominal hernia | 78.3 | 82.1 | 75.3 | 61.6 | 60.8 | 62.3 | 53.7 | 48.6 | 57.8 | 54.2 | 46.9 | 60.1 | 54.9 | 51.9 | 57.3 |
| Gastritis and duodenitis | 23.7 | 21.0 | 25.8 | 22.1 | 17.8 | 25.4 | 22.0 | 15.9 | 26.8 | 22.3 | 15.3 | 27.8 | 23.0 | 15.0 | 29.6 |
| Frequent indigestion | 48.1 | 54.2 | 43.4 | 44.1 | 36.0 | 50.5 | 39.9 | 32.5 | 45.8 | 39.6 | 30.3 | 47.0 | 44.3 | 39.8 | 47.9 |
| Enteritis and colitis | 18.5 | *11.1 | 24.2 | 16.8 | 11.2 | 21.2 | 18.9 | 13.7 | 23.0 | 17.7 | 12.9 | 21.6 | 17.4 | 14.3 | 19.8 |
| Spastic colon | 10.2 | *4.7 | 14.5 | 9.7 | *2.9 | 15.1 | 10.7 | *5.6 | 14.8 | 9.1 | *4.9 | 12.5 | 11.5 | *5.3 | 16.6 |
| Diverticula of the intestines | 36.2 | 20.0 | 48.5 | 36.5 | 22.5 | 47.6 | 37.7 | 27.2 | 46.0 | 38.5 | 33.8 | 42.4 | 42.1 | 35.2 | 47.7 |
| Frequent constipation | 47.9 | 30.5 | 61.3 | 46.0 | 17.1 | 68.7 | 36.6 | 25.9 | 45.1 | 39.2 | 25.6 | 50.1 | 36.4 | 24.0 | 46.4 |

Table 29. Average annual rate of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 75-84 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 18.1 | *16.6 | 19.0 | 9.2 | *6.9 | 910.6 | 9.2 | *8.5 | 9.5 | 8.1 | *9.6 | *7.2 | 8.5 | *8.7 | *8.3 |
| Liver disease (including cirrhosis) . . . | *5.8 | *6.8 | *5.2 | *1.4 | *2.7 | *0.6 | *4.9 | *3.8 | *5.5 | *4.7 | *5.5 | *4.1 | 5.8 | *7.4 | *4.8 |
| Gastric ulcer | 24.4 | *18.6 | 28.0 | 26.6 | *20.2 | 30.4 | 25.3 | 26.0 | 24.9 | 26.2 | 27.9 | 25.2 | 21.8 | 26.9 | 18.5 |
| Duodenal ulcer | *4.6 | *5.3 | *4.2 | *2.9 | *2.1 | *3.4 | *5.1 | *4.3 | *5.5 | 6.2 | *5.5 | *6.6 | 6.9 | *6.1 | *7.5 |
| Abdominal hernia | 75.2 | 69.2 | 78.9 | 65.0 | 62.3 | 66.7 | 63.6 | 71.5 | 58.7 | 64.3 | 64.4 | 64.2 | 68.9 | 67.7 | 69.7 |
| Gastritis and duodenitis | 23.8 | *12.5 | 30.7 | 21.2 | *10.5 | 27.6 | 18.5 | *8.2 | 24.9 | 17.9 | *9.9 | 23.0 | 20.0 | 18.9 | 20.8 |
| Frequent indigestion | 46.4 | 37.3 | 51.9 | 42.2 | 52.9 | 35.8 | 42.6 | 41.7 | 43.1 | 43.3 | 46.9 | 41.0 | 40.7 | 44.8 | 38.1 |
| Enteritis and colitis | 17.0 | *5.0 | 24.3 | 22.9 | *6.0 | 33.1 | 18.9 | 13.5 | 22.3 | 24.4 | 13.8 | 31.0 | 21.6 | *10.5 | 28.8 |
| Spastic colon | *8.0 | *6.5 | *9.0 | *5.6 | *2.3 | *7.6 | 14.9 | *4.5 | 21.4 | 10.7 | *2.4 | 16.0 | 10.5 | *2.9 | 15.5 |
| Diverticula of the intestines | 43.4 | *24.8 | 54.6 | 49.0 | 26.3 | 62.7 | 43.8 | 24.0 | 56.1 | 40.3 | 24.1 | 50.5 | 39.0 | 16.9 | 53.2 |
| Frequent constipation | 100.8 | 67.1 | 121.3 | 83.5 | 51.8 | 102.8 | 86.1 | 62.9 | 100.5 | 80.4 | 53.8 | 97.2 | 75.3 | 46.9 | 93.5 |
| 65 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 14.2 | 8.5 | 18.1 | 9.6 | 8.5 | 10.4 | 12.2 | 10.2 | 13.6 | 10.5 | 8.6 | 11.9 | 10.9 | 9.7 | 12.2 |
| Liver disease (including cirrhosis) . . . | 5.5 | 7.8 | *3.9 | 4.1 | 6.9 | *2.1 | 3.8 | *3.7 | 3.8 | 3.9 | *3.6 | 4.1 | 4.9 | 5.3 | 4.6 |
| Gastric ulcer | 22.9 | 22.4 | 23.2 | 24.9 | 26.2 | 24.0 | 21.4 | 21.3 | 21.4 | 21.0 | 22.6 | 19.8 | 20.3 | 23.7 | 17.9 |
| Duodenal ulcer | 7.6 | 9.9 | 6.0 | 6.3 | 7.5 | 5.5 | 5.5 | 5.4 | 5.5 | 5.6 | 5.2 | 5.8 | 6.8 | 7.2 | 6.6 |
| Abdominal hernia | 75.9 | 77.5 | 74.7 | 63.9 | 63.3 | 64.4 | 56.6 | 55.5 | 57.4 | 57.1 | 51.6 | 61.0 | 59.4 | 57.1 | 61.0 |
| Gastritis and duodenitis | 23.8 | 18.8 | 27.2 | 21.7 | 14.7 | 26.7 | 21.7 | 14.2 | 27.0 | 21.3 | 14.5 | 26.2 | 22.1 | 17.0 | 25.8 |
| Frequent indigestion | 47.1 | 48.8 | 45.9 | 43.0 | 40.1 | 45.1 | 40.1 | 35.2 | 43.6 | 40.4 | 36.4 | 43.2 | 42.2 | 42.5 | 42.0 |
| Enteritis and colitis | 18.4 | 9.2 | 24.8 | 19.4 | 9.8 | 26.1 | 18.6 | 13.1 | 22.5 | 19.9 | 12.7 | 25.0 | 18.4 | 12.6 | 22.6 |
| Spastic colon | 9.3 | *4.9 | 12.3 | 8.3 | *2.6 | 12.3 | 11.9 | 5.8 | 16.1 | 9.5 | 4.7 | 13.0 | 11.0 | 5.0 | 15.2 |
| Diverticula of the intestines | 38.3 | 21.0 | 50.3 | 39.5 | 23.5 | 50.8 | 39.3 | 24.7 | 49.7 | 38.4 | 29.3 | 44.9 | 40.5 | 28.2 | 49.3 |
| Frequent constipation | 69.8 | 45.0 | 86.9 | 63.3 | 32.5 | 85.0 | 57.7 | 39.4 | 70.8 | 58.3 | 37.8 | 72.9 | 53.9 | 35.2 | 67.3 |
| 75 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 17.5 | *13.9 | 19.5 | 9.5 | *7.9 | 10.4 | 10.3 | *8.3 | 11.5 | 9.4 | *9.1 | 9.6 | 8.8 | *9.2 | 8.6 |
| Liver disease (including cirrhosis) . . . | *5.6 | *8.3 | *4.1 | *1.5 | *2.8 | *0.8 | *3.9 | *3.2 | *4.3 | *4.1 | *4.6 | *3.7 | 5.2 | *6.9 | *4.2 |
| Gastric ulcer | 22.5 | *16.6 | 26.0 | 24.0 | 18.1 | 27.5 | 22.7 | 25.4 | 21.1 | 24.1 | 28.0 | 21.8 | 20.9 | 27.8 | 16.8 |
| Duodenal ulcer | *4.1 | *5.3 | *3.3 | *3.6 | *1.8 | *4.7 | 4.3 | *3.6 | *4.6 | 5.1 | *4.6 | *5.5 | 6.1 | *5.1 | *6.8 |
| Abdominal hernia | 72.0 | 68.6 | 73.9 | 67.6 | 68.1 | 67.4 | 61.2 | 68.6 | 56.8 | 61.5 | 60.4 | 62.1 | 66.2 | 66.6 | 66.0 |
| Gastritis and duodenitis | 23.8 | *14.5 | 29.2 | 21.3 | *8.7 | 28.5 | 21.2 | *10.9 | 27.3 | 19.8 | 13.0 | 23.9 | 20.7 | 20.8 | 20.7 |
| Frequent indigestion | 45.4 | 38.4 | 49.5 | 41.2 | 48.0 | 37.4 | 40.5 | 40.3 | 40.5 | 41.6 | 47.9 | 38.0 | 39.0 | 47.3 | 34.2 |
| Enteritis and colitis | 18.3 | *5.3 | 25.8 | 23.6 | *7.2 | 33.1 | 18.2 | 12.0 | 21.8 | 23.2 | 12.3 | 29.6 | 20.1 | *9.5 | 26.4 |
| Spastic colon | *7.7 | *5.4 | *9.1 | *6.0 | *1.9 | *8.4 | 13.6 | *6.2 | 17.9 | 10.1 | *4.3 | 13.6 | 10.2 | *4.7 | 13.5 |
| Diverticula of the intestines | 41.9 | 23.0 | 52.8 | 44.4 | 25.4 | 55.4 | 41.9 | 20.0 | 54.8 | 38.2 | 21.1 | 48.4 | 37.9 | 15.4 | 51.3 |
| Frequent constipation | 105.5 | 72.9 | 124.3 | 91.2 | 62.1 | 108.0 | 90.9 | 64.8 | 106.1 | 87.8 | 60.4 | 103.9 | 80.6 | 55.7 | 95.4 |

Table 29. Average annual rate of selected respondent-reported chronic digestive conditions, by sex, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------|--------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|------------|-------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | *14.6 | *— | *21.4 | *10.6 | *12.7 | *9.6 | *15.0 | *7.0 | *18.6 | *14.6 | *6.8 | *18.2 | *10.1 | *11.2 | *9.6 |
| Liver disease (including cirrhosis) . . . | *5.0 | *15.7 | *— | *2.0 | *3.2 | *1.5 | *— | *— | *— | *1.6 | *— | *2.3 | *2.8 | *4.4 | *2.2 |
| Gastric ulcer | *14.4 | *6.6 | 17.9 | *13.3 | *7.6 | *16.1 | *11.8 | *22.3 | *7.0 | *15.5 | *28.8 | *9.4 | *17.5 | *32.4 | *11.1 |
| Duodenal ulcer | *1.7 | *5.5 | *— | *6.7 | *— | *9.9 | *0.9 | *— | *1.4 | *0.9 | *— | *1.3 | *3.1 | *— | *4.4 |
| Abdominal hernia | 58.1 | *65.5 | 54.7 | 78.4 | *96.5 | 69.7 | 51.0 | *53.9 | 49.7 | 50.2 | *40.5 | 54.6 | 55.6 | *61.0 | 53.2 |
| Gastritis and duodenitis | *23.9 | *24.7 | 23.5 | *21.7 | *— | *32.0 | 32.6 | *24.5 | 36.3 | 27.5 | *28.4 | *27.1 | 23.2 | *29.9 | *20.3 |
| Frequent indigestion | *41.5 | *43.9 | 40.4 | 37.2 | *24.1 | *43.5 | 31.8 | *33.4 | 31.1 | 34.9 | *52.3 | *27.0 | 32.6 | *59.9 | *20.8 |
| Enteritis and colitis | *23.8 | *7.1 | 31.5 | *26.2 | *12.6 | *32.8 | *15.0 | *4.7 | *19.8 | *18.3 | *4.5 | *24.5 | *14.2 | *4.4 | *18.4 |
| Spastic colon | *6.4 | *— | 9.4 | *7.8 | *— | *11.6 | *8.1 | *14.5 | *5.2 | *7.8 | *14.0 | *5.0 | *8.8 | *13.6 | *6.7 |
| Diverticula of the intestines | *35.6 | *13.9 | 45.6 | *25.3 | *21.1 | *27.3 | 34.2 | *— | 49.8 | 29.8 | *5.8 | 40.6 | 33.7 | *8.0 | 44.9 |
| Frequent constipation | 125.2 | *102.7 | 135.7 | 122.9 | 112.1 | 128.1 | 110.3 | 74.4 | 126.8 | 117.5 | 93.7 | 128.3 | 101.1 | 99.7 | 101.6 |

NOTE: Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 30. Average annual number of selected respondent-reported chronic digestive conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|-------------------------------------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Number of conditions in thousands | | | | | | | | | | | | | | | |
| Gallbladder stones | 959 | 871 | *71 | 964 | 827 | 102 | 1,029 | 916 | 88 | 1,040 | 936 | 72 | 1,067 | 929 | 93 |
| Liver disease (including cirrhosis) | 704 | 599 | 92 | 474 | 389 | 70 | 720 | 626 | 62 | 731 | 632 | 76 | 765 | 682 | 61 |
| Gastric ulcer | 3,134 | 2,679 | 374 | 3,555 | 2,987 | 435 | 3,241 | 2,754 | 400 | 3,099 | 2,625 | 394 | 3,118 | 2,599 | 415 |
| Duodenal ulcer | 753 | 727 | *22 | 621 | 597 | *20 | 589 | 526 | *45 | 587 | 537 | *29 | 613 | 574 | *21 |
| Abdominal hernia | 4,968 | 2,240 | 307 | 4,670 | 4,388 | 270 | 4,499 | 4,151 | 322 | 4,547 | 4,211 | 299 | 4,765 | 4,418 | 310 |
| Gastritis and duodenitis | 2,631 | 2,240 | 374 | 2,924 | 2,542 | 266 | 2,893 | 2,476 | 322 | 2,967 | 2,551 | 325 | 3,001 | 2,602 | 349 |
| Frequent indigestion | 5,414 | 4,772 | 545 | 5,695 | 5,060 | 490 | 5,668 | 4,947 | 571 | 5,637 | 4,931 | 575 | 5,955 | 5,279 | 536 |
| Enteritis and colitis | 2,252 | 2,062 | 158 | 2,366 | 2,221 | 110 | 2,409 | 2,272 | 96 | 2,311 | 2,173 | 98 | 2,332 | 2,193 | 91 |
| Spastic colon | 1,158 | 1,142 | *16 | 1,506 | 1,448 | *51 | 1,504 | 1,452 | *36 | 1,598 | 1,537 | *40 | 1,685 | 1,621 | *45 |
| Diverticula of the intestines | 1,732 | 1,714 | *18 | 1,944 | 1,870 | *43 | 1,960 | 1,911 | 49 | 1,957 | 1,893 | 63 | 1,997 | 1,927 | 71 |
| Frequent constipation | 4,563 | 3,806 | 667 | 4,344 | 3,676 | 588 | 4,366 | 3,586 | 669 | 4,376 | 3,634 | 635 | 4,298 | 3,553 | 645 |
| 55-64 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 228 | 180 | *39 | 176 | 166 | *10 | 178 | 164 | *11 | 160 | 149 | *4 | 166 | 145 | *16 |
| Liver disease (including cirrhosis) | 214 | 188 | *17 | 86 | 73 | *13 | 140 | 128 | *4 | 133 | 117 | *12 | 145 | 128 | *12 |
| Gastric ulcer | 555 | 451 | 79 | 521 | 408 | 85 | 543 | 465 | 65 | 490 | 400 | 71 | 485 | 397 | 76 |
| Duodenal ulcer | 195 | 181 | *14 | 143 | 137 | *6 | 121 | 102 | *5 | 122 | 105 | - | 108 | 90 | - |
| Abdominal hernia | 1,172 | 457 | *69 | 1,030 | 956 | *62 | 900 | 849 | 52 | 910 | 862 | *43 | 953 | 907 | *38 |
| Gastritis and duodenitis | 538 | 457 | *77 | 529 | 461 | *46 | 429 | 403 | *23 | 442 | 407 | *35 | 455 | 421 | *32 |
| Frequent indigestion | 888 | 801 | *71 | 878 | 738 | 99 | 737 | 611 | 101 | 736 | 602 | 109 | 773 | 659 | 67 |
| Enteritis and colitis | 361 | 334 | *28 | 340 | 340 | - | 294 | 280 | *3 | 286 | 279 | *4 | 270 | 261 | *6 |
| Spastic colon | 207 | 202 | *5 | 258 | 253 | *6 | 256 | 249 | *2 | 265 | 257 | *3 | 230 | 227 | *3 |
| Diverticula of the intestines | 450 | 445 | *5 | 456 | 442 | *9 | 445 | 425 | *21 | 428 | 410 | *18 | 419 | 400 | *19 |
| Frequent constipation | 650 | 540 | 106 | 413 | 345 | *55 | 472 | 377 | 91 | 428 | 332 | 87 | 406 | 323 | 72 |
| 65-74 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 195 | 191 | *4 | 165 | 149 | *12 | 239 | 226 | *8 | 203 | 195 | *4 | 224 | 203 | *17 |
| Liver disease (including cirrhosis) | 87 | *77 | *10 | 96 | 84 | *7 | 66 | 63 | *3 | 68 | 68 | - | 86 | 86 | - |
| Gastric ulcer | 371 | 345 | *26 | 432 | 392 | *33 | 366 | 324 | *39 | 343 | 301 | *42 | 364 | 301 | 59 |
| Duodenal ulcer | 157 | 157 | - | 135 | 133 | *2 | 111 | 107 | *4 | 106 | 104 | *2 | 133 | 127 | *5 |
| Abdominal hernia | 1,256 | 1,211 | *41 | 1,047 | 1,020 | *28 | 957 | 930 | *23 | 979 | 945 | *22 | 1,004 | 956 | *39 |
| Gastritis and duodenitis | 381 | 369 | *11 | 375 | 335 | *40 | 392 | 343 | *45 | 402 | 361 | *37 | 421 | 380 | *41 |
| Frequent indigestion | 772 | 673 | 91 | 750 | 695 | *44 | 711 | 600 | 98 | 715 | 610 | 95 | 810 | 728 | 68 |
| Enteritis and colitis | 297 | 287 | *11 | 286 | 276 | *3 | 336 | 327 | *10 | 321 | 307 | *10 | 318 | 303 | *10 |
| Spastic colon | 165 | 165 | - | 165 | 160 | *6 | 191 | 183 | *5 | 164 | 158 | *2 | 210 | 208 | *2 |
| Diverticula of the intestines | 580 | 574 | *7 | 621 | 605 | *12 | 672 | 664 | *7 | 697 | 685 | *11 | 770 | 750 | *21 |
| Frequent constipation | 769 | 657 | 98 | 782 | 705 | 73 | 652 | 560 | 88 | 708 | 613 | 74 | 665 | 579 | 69 |

Table 30. Average annual number of selected respondent-reported chronic digestive conditions, by race, age, and type of condition: United States, selected years —Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75-84 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 145 | 145 | — | 78 | 75 | — | 84 | 79 | *5 | 76 | 72 | *4 | 81 | 72 | *6 |
| Liver disease (including cirrhosis) . . . | *46 | *42 | — | *12 | *12 | — | *45 | *39 | *2 | *44 | *38 | *2 | 55 | *49 | *2 |
| Gastric ulcer | 195 | 191 | — | 227 | 209 | *14 | 232 | 202 | *26 | 246 | 216 | *25 | 208 | 181 | *22 |
| Duodenal ulcer | *37 | *37 | — | *25 | *22 | — | *46 | *46 | — | 58 | 58 | — | 66 | 66 | *1 |
| Abdominal hernia | 601 | 594 | *7 | 555 | 544 | *11 | 584 | 561 | *18 | 603 | 582 | *20 | 658 | 625 | *33 |
| Gastritis and duodenitis | 190 | 162 | *28 | 181 | 171 | *9 | 169 | 143 | *22 | 168 | 140 | *21 | 191 | 168 | *16 |
| Frequent indigestion | 370 | 339 | *31 | 360 | 331 | *29 | 390 | 325 | 51 | 406 | 334 | *48 | 388 | 345 | *30 |
| Enteritis and colitis | 136 | 129 | *6 | 196 | 190 | — | 174 | 174 | — | 228 | 213 | *7 | 206 | 190 | *8 |
| Spastic colon | *64 | *64 | — | *48 | *48 | — | 137 | 131 | *6 | 100 | 95 | *5 | 101 | 101 | — |
| Diverticula of the intestines | 346 | 346 | — | 418 | 413 | *5 | 401 | 394 | *8 | 378 | 370 | *8 | 372 | 365 | *7 |
| Frequent constipation | 805 | 734 | *63 | 713 | 628 | 81 | 790 | 698 | 81 | 754 | 668 | 80 | 718 | 622 | 90 |
| 65 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 367 | 359 | *8 | 265 | 244 | *14 | 356 | 338 | *14 | 313 | 301 | *8 | 330 | 300 | *23 |
| Liver disease (including cirrhosis) . . . | 142 | 122 | *16 | 112 | 96 | *11 | 111 | 101 | *6 | 116 | 110 | *2 | 148 | 142 | *2 |
| Gastric ulcer | 593 | 562 | *26 | 686 | 623 | *52 | 625 | 552 | 65 | 624 | 552 | 67 | 615 | 522 | 85 |
| Duodenal ulcer | 197 | 197 | — | 174 | 168 | *2 | 159 | 155 | *4 | 166 | 164 | *2 | 206 | 201 | *6 |
| Abdominal hernia | 1,966 | 1,908 | *53 | 1,763 | 1,720 | *43 | 1,655 | 1,600 | *46 | 1,698 | 1,639 | *47 | 1,798 | 1,718 | 72 |
| Gastritis and duodenitis | 616 | 576 | *40 | 600 | 546 | *52 | 634 | 556 | 70 | 634 | 562 | 61 | 670 | 600 | 62 |
| Frequent indigestion | 1,220 | 1,084 | 128 | 1,186 | 1,089 | 79 | 1,172 | 993 | 151 | 1,202 | 1,021 | 147 | 1,278 | 1,152 | 100 |
| Enteritis and colitis | 478 | 460 | *17 | 535 | 520 | *3 | 544 | 534 | *10 | 592 | 563 | *16 | 559 | 528 | *18 |
| Spastic colon | 241 | 241 | — | 229 | 224 | *6 | 346 | 332 | *10 | 283 | 272 | *7 | 333 | 331 | *2 |
| Diverticula of the intestines | 993 | 986 | *7 | 1,091 | 1,070 | *17 | 1,149 | 1,134 | *15 | 1,144 | 1,124 | *20 | 1,226 | 1,197 | *28 |
| Frequent constipation | 1,808 | 1,596 | 185 | 1,747 | 1,562 | 173 | 1,688 | 1,476 | 194 | 1,734 | 1,526 | 178 | 1,632 | 1,426 | 179 |
| 75 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 172 | 168 | *4 | 100 | 95 | *2 | 117 | 112 | *5 | 110 | 106 | *4 | 106 | 97 | *6 |
| Liver disease (including cirrhosis) . . . | *56 | *45 | *6 | *16 | *12 | *4 | *45 | *39 | *2 | *47 | *41 | *2 | 62 | 56 | *2 |
| Gastric ulcer | 222 | 218 | — | 254 | 232 | *19 | 258 | 228 | *26 | 282 | 251 | *25 | 251 | 221 | *25 |
| Duodenal ulcer | *40 | *40 | — | *39 | *35 | — | 48 | 48 | — | 60 | 60 | — | 74 | 73 | *1 |
| Abdominal hernia | 709 | 697 | *12 | 716 | 700 | *16 | 697 | 670 | *23 | 719 | 694 | *25 | 794 | 762 | *33 |
| Gastritis and duodenitis | 235 | 206 | *28 | 225 | 211 | *11 | 242 | 213 | *25 | 232 | 200 | *24 | 248 | 220 | *21 |
| Frequent indigestion | 448 | 410 | *37 | 436 | 394 | *35 | 461 | 394 | 54 | 486 | 411 | 52 | 468 | 423 | *32 |
| Enteritis and colitis | 180 | 174 | *6 | 249 | 244 | — | 207 | 207 | — | 271 | 256 | *7 | 241 | 225 | *8 |
| Spastic colon | *76 | *76 | — | *64 | *64 | — | 155 | 149 | *6 | 118 | 113 | *5 | 122 | 122 | — |
| Diverticula of the intestines | 413 | 413 | — | 470 | 465 | *5 | 478 | 470 | *8 | 447 | 439 | *8 | 455 | 448 | *7 |
| Frequent constipation | 1,039 | 939 | 88 | 965 | 858 | 100 | 1,035 | 915 | 106 | 1,026 | 913 | 104 | 967 | 847 | 110 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Table 31. Average annual rate of selected respondent-reported chronic digestive conditions, by race, age, and type of condition: United States, selected years

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|-------------------------------------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| All ages | | | | | | | | | | | | | | | |
| Number per 1,000 persons | | | | | | | | | | | | | | | |
| Gallbladder stones | 4.2 | 4.4 | *2.6 | 4.1 | 4.1 | 3.6 | 4.2 | 4.5 | 3.0 | 4.2 | 4.5 | 2.4 | 4.3 | 4.5 | 3.0 |
| Liver disease (including cirrhosis) | 3.1 | 3.1 | 3.4 | 2.0 | 1.9 | 2.5 | 3.0 | 3.1 | 2.1 | 3.0 | 3.1 | 2.5 | 3.1 | 3.3 | 2.0 |
| Gastric ulcer | 13.7 | 13.7 | 13.7 | 15.1 | 14.9 | 15.2 | 13.3 | 13.4 | 13.4 | 12.6 | 12.7 | 13.0 | 12.5 | 12.5 | 13.4 |
| Duodenal ulcer | 3.3 | 3.7 | *0.8 | 2.6 | 3.0 | *0.7 | 2.4 | 2.6 | *1.5 | 2.4 | 2.6 | *1.0 | 2.5 | 2.8 | *0.7 |
| Abdominal hernia | 21.7 | 23.6 | 11.2 | 19.8 | 21.9 | 9.5 | 18.5 | 20.2 | 10.8 | 18.5 | 20.4 | 9.8 | 19.2 | 21.2 | 10.0 |
| Gastritis and duodenitis | 11.5 | 11.4 | 13.7 | 12.4 | 12.7 | 9.3 | 11.9 | 12.1 | 10.8 | 12.1 | 12.3 | 10.7 | 12.1 | 12.5 | 11.3 |
| Frequent indigestion | 23.6 | 24.3 | 19.9 | 24.1 | 25.2 | 17.2 | 23.3 | 24.1 | 19.1 | 22.9 | 23.8 | 18.9 | 23.9 | 25.3 | 17.4 |
| Enteritis and colitis | 9.8 | 10.5 | 5.8 | 10.0 | 11.1 | 3.9 | 9.9 | 11.1 | 3.2 | 9.4 | 10.5 | 3.2 | 9.4 | 10.5 | 2.9 |
| Spastic colon | 5.0 | 5.8 | *0.6 | 6.4 | 7.2 | *1.8 | 6.2 | 7.1 | *1.2 | 6.5 | 7.4 | *1.3 | 6.8 | 7.8 | *1.5 |
| Diverticula of the intestines | 7.6 | 8.7 | *0.7 | 8.2 | 9.3 | *1.5 | 8.0 | 9.3 | 1.6 | 8.0 | 9.2 | 2.1 | 8.0 | 9.3 | 2.3 |
| Frequent constipation | 19.9 | 19.4 | 24.4 | 18.4 | 18.3 | 20.6 | 17.9 | 17.5 | 22.4 | 17.8 | 17.6 | 20.9 | 17.3 | 17.1 | 20.9 |
| 55-64 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 10.4 | 9.2 | *19.8 | 8.0 | 8.5 | *5.0 | 8.3 | 8.7 | *5.0 | 7.5 | 8.0 | *1.7 | 7.9 | 7.9 | *7.2 |
| Liver disease (including cirrhosis) | 9.7 | 9.5 | *8.8 | 3.9 | 3.7 | *6.4 | 6.5 | 6.8 | *1.8 | 6.3 | 6.3 | *5.7 | 6.8 | 7.0 | *5.6 |
| Gastric ulcer | 25.2 | 22.9 | 40.2 | 23.7 | 21.0 | 40.7 | 25.3 | 24.8 | 30.8 | 23.0 | 21.6 | 33.3 | 22.9 | 21.6 | 35.1 |
| Duodenal ulcer | 8.9 | 9.2 | *7.2 | 6.5 | 7.0 | *2.7 | 5.6 | 5.5 | *2.3 | 5.8 | 5.7 | — | 5.1 | 4.9 | — |
| Abdominal hernia | 53.3 | 55.5 | *35.4 | 46.8 | 49.1 | *29.8 | 42.0 | 45.2 | 24.3 | 42.8 | 46.4 | *20.1 | 45.0 | 49.4 | *17.4 |
| Gastritis and duodenitis | 24.4 | 23.2 | *39.1 | 24.1 | 23.7 | *22.2 | 20.0 | 21.5 | *10.8 | 20.8 | 21.9 | *16.4 | 21.5 | 22.9 | *14.6 |
| Frequent indigestion | 40.4 | 40.7 | *36.1 | 39.9 | 37.9 | 47.4 | 34.4 | 32.6 | 47.7 | 34.6 | 32.4 | 50.8 | 36.5 | 35.9 | 44.9 |
| Enteritis and colitis | 16.4 | 17.0 | *14.1 | 15.4 | 17.4 | — | 13.7 | 14.9 | *1.3 | 13.5 | 15.0 | *1.9 | 12.8 | 14.2 | *2.6 |
| Spastic colon | 9.4 | 10.3 | *2.4 | 11.7 | 13.0 | *2.7 | 11.9 | 13.3 | *0.8 | 12.4 | 13.8 | *1.4 | 10.9 | 12.4 | *1.4 |
| Diverticula of the intestines | 20.5 | 22.6 | *2.4 | 20.7 | 22.7 | *4.5 | 20.8 | 22.6 | *9.7 | 20.1 | 22.1 | *8.6 | 19.8 | 21.8 | *8.9 |
| Frequent constipation | 29.6 | 27.4 | 54.3 | 18.8 | 17.7 | *26.4 | 22.0 | 20.1 | 42.8 | 20.1 | 17.9 | 40.8 | 19.2 | 17.6 | 33.3 |
| 65-74 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 12.2 | 13.2 | *3.2 | 9.7 | 9.8 | *8.3 | 13.4 | 14.1 | *5.5 | 11.2 | 12.0 | *2.6 | 12.2 | 12.4 | *10.4 |
| Liver disease (including cirrhosis) | 5.4 | *5.3 | *7.4 | 5.6 | 5.5 | *5.0 | 3.7 | 3.9 | *2.2 | 3.8 | 4.2 | — | 4.7 | 5.3 | — |
| Gastric ulcer | 23.1 | 23.8 | *19.5 | 25.4 | 25.6 | *22.6 | 20.5 | 20.2 | *25.2 | 19.0 | 18.6 | *26.6 | 19.9 | 18.5 | 36.9 |
| Duodenal ulcer | 9.8 | 10.8 | — | 8.0 | 8.7 | *1.2 | 6.2 | 6.7 | *2.5 | 5.9 | 6.4 | *1.5 | 7.2 | 7.8 | *3.2 |
| Abdominal hernia | 78.3 | 83.6 | *30.6 | 61.6 | 66.7 | *18.9 | 53.7 | 58.2 | *14.9 | 54.2 | 58.4 | *13.7 | 54.9 | 58.6 | *24.5 |
| Gastritis and duodenitis | 23.7 | 25.5 | *8.5 | 22.1 | 21.9 | *27.6 | 22.0 | 21.4 | *29.1 | 22.3 | 22.3 | *23.3 | 23.0 | 23.3 | *25.3 |
| Frequent indigestion | 48.1 | 46.5 | 67.1 | 44.1 | 45.5 | *30.4 | 39.9 | 37.5 | 63.2 | 39.6 | 37.7 | 60.3 | 44.3 | 44.7 | 42.2 |
| Enteritis and colitis | 18.5 | 19.8 | *8.0 | 16.8 | 18.1 | *1.9 | 18.9 | 20.4 | *6.4 | 17.7 | 19.0 | *6.2 | 17.4 | 18.6 | *6.3 |
| Spastic colon | 10.2 | 11.4 | — | 9.7 | 10.5 | *3.9 | 10.7 | 11.4 | *2.9 | 9.1 | 9.8 | *1.3 | 11.5 | 12.8 | *1.4 |
| Diverticula of the intestines | 36.2 | 39.6 | *5.2 | 36.5 | 39.6 | *8.4 | 37.7 | 41.6 | *4.8 | 38.5 | 42.4 | *7.2 | 42.1 | 46.0 | *13.0 |
| Frequent constipation | 47.9 | 45.3 | 72.3 | 46.0 | 46.1 | 50.0 | 36.6 | 35.1 | 56.6 | 39.2 | 37.9 | 46.9 | 36.4 | 35.5 | 42.8 |

Table 31. Average annual rate of selected respondent-reported chronic digestive conditions, by race, age, and type of condition: United States, selected years—Con.

[Data are based on household interviews of the civilian noninstitutionalized population]

| Age and type of condition | 1982-84 | | | 1985-87 | | | 1988-90 | | | 1989-91 | | | 1990-92 | | |
|---|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|------------------------|-------|-------|
| | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black | All races ¹ | White | Black |
| 75-84 years | | | | | | | | | | | | | | | |
| Gallbladder stones | 18.1 | 20.0 | *- | 9.2 | 9.7 | *- | 9.2 | 9.5 | *7.4 | 8.1 | 8.5 | *5.4 | 8.5 | 8.3 | *7.7 |
| Liver disease (including cirrhosis) . . . | *5.8 | *5.8 | *- | *1.4 | *1.5 | *- | *4.9 | *4.7 | *3.3 | *4.7 | *4.5 | *3.2 | 5.8 | *5.7 | *3.2 |
| Gastric ulcer | 24.4 | 26.3 | *- | 26.6 | 27.1 | *20.0 | 25.3 | 24.3 | *35.1 | 26.2 | 25.4 | *33.7 | 21.8 | 21.0 | *28.8 |
| Duodenal ulcer | *4.6 | *5.1 | *- | *2.9 | *2.8 | *- | *5.1 | *5.6 | *- | 6.2 | 6.8 | *- | 6.9 | 7.6 | *0.9 |
| Abdominal hernia | 75.2 | 82.0 | *10.5 | 65.0 | 70.4 | *16.3 | 63.6 | 67.5 | *25.1 | 64.3 | 68.6 | *26.8 | 68.9 | 72.3 | *43.0 |
| Gastritis and duodenitis | 23.8 | 22.3 | *43.7 | 21.2 | 22.2 | *13.5 | 18.5 | 17.2 | *30.7 | 17.9 | 16.4 | *27.8 | 20.0 | 19.4 | *21.2 |
| Frequent indigestion | 46.4 | 46.8 | *48.0 | 42.2 | 42.9 | *42.1 | 42.6 | 39.2 | 69.7 | 43.3 | 39.3 | *64.0 | 40.7 | 39.9 | *39.1 |
| Enteritis and colitis | 17.0 | 17.9 | *9.9 | 22.9 | 24.6 | *- | 18.9 | 20.9 | *- | 24.4 | 25.1 | *8.9 | 21.6 | 22.0 | *10.6 |
| Spastic colon | *8.0 | *8.9 | *- | *5.6 | *6.2 | *- | 14.9 | 15.8 | *8.2 | 10.7 | 11.2 | *6.9 | 10.5 | 11.6 | *- |
| Diverticula of the intestines | 43.4 | 47.8 | *- | 49.0 | 53.5 | *6.8 | 43.8 | 47.4 | *10.7 | 40.3 | 43.5 | *11.1 | 39.0 | 42.2 | *9.7 |
| Frequent constipation | 100.8 | 101.4 | *96.6 | 83.5 | 81.4 | 116.7 | 86.1 | 84.0 | 110.2 | 80.4 | 78.7 | 106.1 | 75.3 | 72.0 | 119.4 |
| 65 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 14.2 | 15.3 | *3.9 | 9.6 | 9.8 | *6.7 | 12.2 | 12.8 | *5.6 | 10.5 | 11.2 | *3.3 | 10.9 | 11.0 | *8.8 |
| Liver disease (including cirrhosis) . . . | 5.5 | 5.2 | *7.5 | 4.1 | 3.9 | *5.0 | 3.8 | 3.9 | *2.4 | 3.9 | 4.1 | *1.0 | 4.9 | 5.2 | *0.9 |
| Gastric ulcer | 22.9 | 24.0 | *12.3 | 24.9 | 25.1 | *22.5 | 21.4 | 21.0 | 26.3 | 21.0 | 20.6 | 26.8 | 20.3 | 19.2 | 33.0 |
| Duodenal ulcer | 7.6 | 8.4 | *- | 6.3 | 6.8 | *0.8 | 5.5 | 5.9 | *1.6 | 5.6 | 6.1 | *0.9 | 6.8 | 7.4 | *2.2 |
| Abdominal hernia | 75.9 | 81.4 | *24.9 | 63.9 | 69.1 | *18.9 | 56.6 | 60.8 | *18.9 | 57.1 | 61.2 | *18.7 | 59.4 | 63.2 | 28.1 |
| Gastritis and duodenitis | 23.8 | 24.6 | *18.6 | 21.7 | 21.9 | *22.4 | 21.7 | 21.1 | 28.6 | 21.3 | 21.0 | 24.3 | 22.1 | 22.1 | 24.2 |
| Frequent indigestion | 47.1 | 46.2 | 59.7 | 43.0 | 43.8 | 34.3 | 40.1 | 37.8 | 61.7 | 40.4 | 38.2 | 58.7 | 42.2 | 42.4 | 39.0 |
| Enteritis and colitis | 18.4 | 19.6 | *8.1 | 19.4 | 20.9 | *1.2 | 18.6 | 20.3 | *4.0 | 19.9 | 21.0 | *6.5 | 18.4 | 19.4 | *7.1 |
| Spastic colon | 9.3 | 10.3 | *- | 8.3 | 9.0 | *2.5 | 11.9 | 12.6 | *4.3 | 9.5 | 10.1 | *2.9 | 11.0 | 12.2 | *0.8 |
| Diverticula of the intestines | 38.3 | 42.1 | *3.3 | 39.5 | 43.0 | *7.4 | 39.3 | 43.1 | *6.2 | 38.4 | 42.0 | *7.9 | 40.5 | 44.1 | *11.0 |
| Frequent constipation | 69.8 | 68.1 | 86.4 | 63.3 | 62.8 | 75.0 | 57.7 | 56.1 | 78.9 | 58.3 | 57.0 | 70.9 | 53.9 | 52.5 | 70.0 |
| 75 years and over | | | | | | | | | | | | | | | |
| Gallbladder stones | 17.5 | 18.8 | *5.0 | 9.5 | 9.9 | *2.3 | 10.3 | 10.8 | *5.9 | 9.4 | 10.0 | *4.4 | 8.8 | 8.9 | *6.1 |
| Liver disease (including cirrhosis) . . . | *5.6 | *5.1 | *7.6 | *1.5 | *1.2 | *5.0 | *3.9 | *3.7 | *2.7 | *4.1 | *3.9 | *2.6 | 5.2 | 5.2 | *2.5 |
| Gastric ulcer | 22.5 | 24.3 | *- | 24.0 | 24.1 | *22.4 | 22.7 | 22.1 | *28.3 | 24.1 | 23.7 | *27.3 | 20.9 | 20.3 | *26.5 |
| Duodenal ulcer | *4.1 | *4.5 | *- | *3.6 | *3.7 | *- | 4.3 | 4.7 | *- | 5.1 | 5.7 | *- | 6.1 | 6.7 | *0.7 |
| Abdominal hernia | 72.0 | 77.9 | *15.2 | 67.6 | 73.0 | *18.7 | 61.2 | 64.9 | *25.7 | 61.5 | 65.5 | *27.0 | 66.2 | 70.1 | *34.1 |
| Gastritis and duodenitis | 23.8 | 23.1 | *36.0 | 21.3 | 22.0 | *13.4 | 21.2 | 20.6 | *27.7 | 19.8 | 18.9 | *26.0 | 20.7 | 20.2 | *22.2 |
| Frequent indigestion | 45.4 | 45.8 | *47.2 | 41.2 | 41.1 | *41.1 | 40.5 | 38.1 | 59.1 | 41.6 | 38.8 | *55.9 | 39.0 | 38.9 | *33.6 |
| Enteritis and colitis | 18.3 | 19.4 | *8.1 | 23.6 | 25.4 | *- | 18.2 | 20.1 | *- | 23.2 | 24.1 | *7.2 | 20.1 | 20.7 | *8.4 |
| Spastic colon | *7.7 | *8.5 | *- | *6.0 | *6.7 | *- | 13.6 | 14.4 | *6.6 | 10.1 | 10.7 | *5.6 | 10.2 | 11.3 | *- |
| Diverticula of the intestines | 41.9 | 46.1 | *- | 44.4 | 48.5 | *5.6 | 41.9 | 45.5 | *8.6 | 38.2 | 41.4 | *9.0 | 37.9 | 41.2 | *7.7 |
| Frequent constipation | 105.5 | 104.9 | 110.7 | 91.2 | 89.4 | 118.2 | 90.9 | 88.6 | 116.7 | 87.8 | 86.2 | 111.6 | 80.6 | 77.9 | 115.8 |

¹Data include races other than white and black.

SOURCE: National Center for Health Statistics: Data from the National Health Interview Survey.

Chapter 3

Trends in mortality

Introduction

This chapter presents life expectancy at birth and at 65, 75, and 85 years of age (table 1) as well as age-specific and adjusted death rates for 1960–91 for all causes and for selected specific causes of death (tables 2–9). Specific causes include diseases of the heart, cerebrovascular disease, malignant neoplasms, malignant neoplasms of the respiratory system, malignant neoplasms of the colon, malignant neoplasms of the prostate for males, and malignant neoplasms of the breast for females.

Sources of data

Mortality data are compiled by the National Center for Health Statistics (NCHS) through the National Vital Statistics System. This system is a cooperative effort of the Federal Government and the States, with the States providing information based on death certificates filed in their respective vital statistics registration offices. For this report, the sources of data were the annual volumes of *Vital Statistics of the United States* and unpublished data. Intercensed rates for the 1980's have been revised because of revisions to the intercensal population estimates and therefore differ from previously published rates. Death-rate and life-expectancy data for 1981–91 are available from the Division of Vital Statistics, NCHS. Life-expectancy data for 1970

have also been revised and may differ from previously published rates in the annual volumes of *Vital Statistics of the United States*. Life-expectancy data for earlier years are in the annual volumes of *Vital Statistics of the United States*.

Definition of terms

Age adjustment—Age adjustment, using the direct method, is the application of the age-specific rates in a population of interest to a standardized age distribution in order to eliminate the differences in observed rates that result from age differences in population composition. This adjustment is usually done when comparing two or more populations at one point in time or one population at two or more points in time. For a more complete discussion, see appendix II.

Cause of death—For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and utilizing the international rules for selecting the underlying cause of death from the reported conditions. For data years 1979–91, the *International Classification of Diseases, Ninth Revision (ICD–9)* is used for coding. Data from earlier time periods were coded using the appropriate revision of the ICD for that time period (see appendix II). Changes in classification of causes of death in successive revisions of the ICD may introduce discontinuities in cause-of-death statistics over time. For further discussion, see the technical appendix in the 1989 annual volumes of *Vital Statistics of the United States* (1).

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Life expectancy—The average number of years of life remaining for persons who have attained a given age. Life expectancy at age 65, for example, is defined as the average number of years that a cohort born in a particular year would expect to live if they were to experience, for the rest of their lives, the age-specific death rates prevailing in that calendar year.

Death rate—Death rate is calculated by dividing the number of deaths in a population in a year by the midyear resident population. It is expressed as the number of deaths per 1,000 or per 100,000 population. The rate may be restricted to deaths in specific age, race, sex, or geographic groups or from specific causes of death (specific rate), or it may be applicable to the entire population (crude rate).

Discussion

Life expectancy has increased substantially during the 20th century. The overall decline in age-specific death rates have led to increases in life expectancy at birth and also at 65, 75, and 85 years of age. From 1950 to 1991, life expectancy at age 65 increased for males and females and white and black people (figure 1). However, the increases have not been equal. Expected remaining years of life for white males 65 years of age increased 2.6 years, but the corresponding increase for black males was 0.5 years. Life expectancy at age 65 for white females increased 4.1 years, but among black females the increase was 2.3 years.

The leading causes of death for the population 65 years of age and over were diseases of the heart, malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues; and cerebrovascular disease (2). From 1960 to 1991, the death rates for diseases of the heart for persons 70–74 years of age decreased by approximately 45 percent for males and 53 percent for females (figure 2). However, death rates for malignant neoplasms of the respiratory and intrathoracic organs increased during this period (figure 3). There was a 120-percent increase for males and 580-percent increase for females 70–74 years of age.

Age-specific death rates for prostate cancer increased 22 percent for males 70–74 years of age and 70 percent for those 85 years of age and over (figure 4) between 1960 and 1991. Age-specific death rates for breast cancer increased 19 percent for females 70–74 years of age and only 3 percent for women 85 years of age and over between 1960 and 1991 (figure 5).

References

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2. Cohen RA, Van Nostrand JF, Furner SE, eds. Chartbook on health data on older Americans: United States, 1992. National Center for Health Statistics. Vital Health Stat 3(29). 1993.

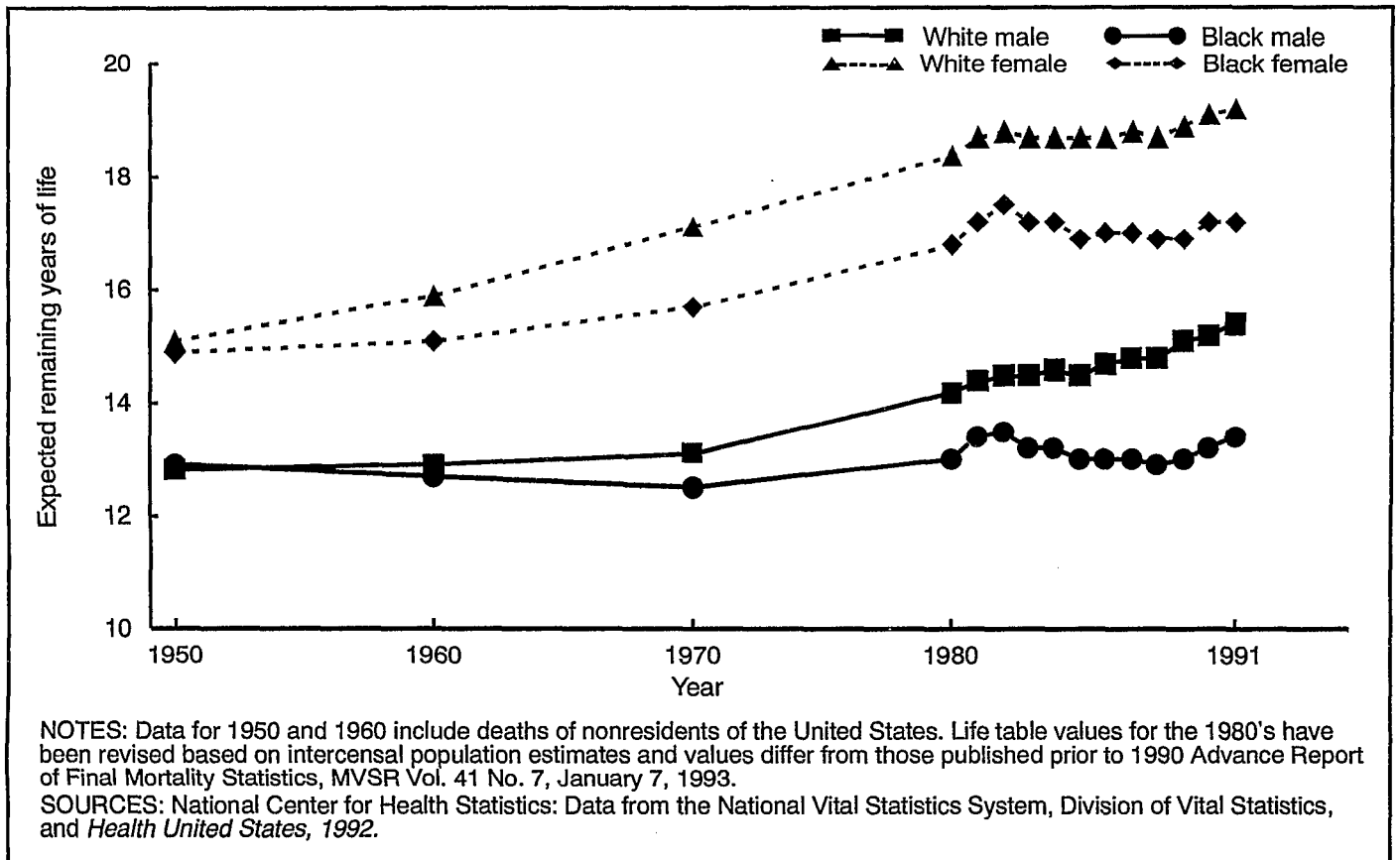


Figure 1. Life expectancy at 65 years of age, by sex and race: United States, 1950-91

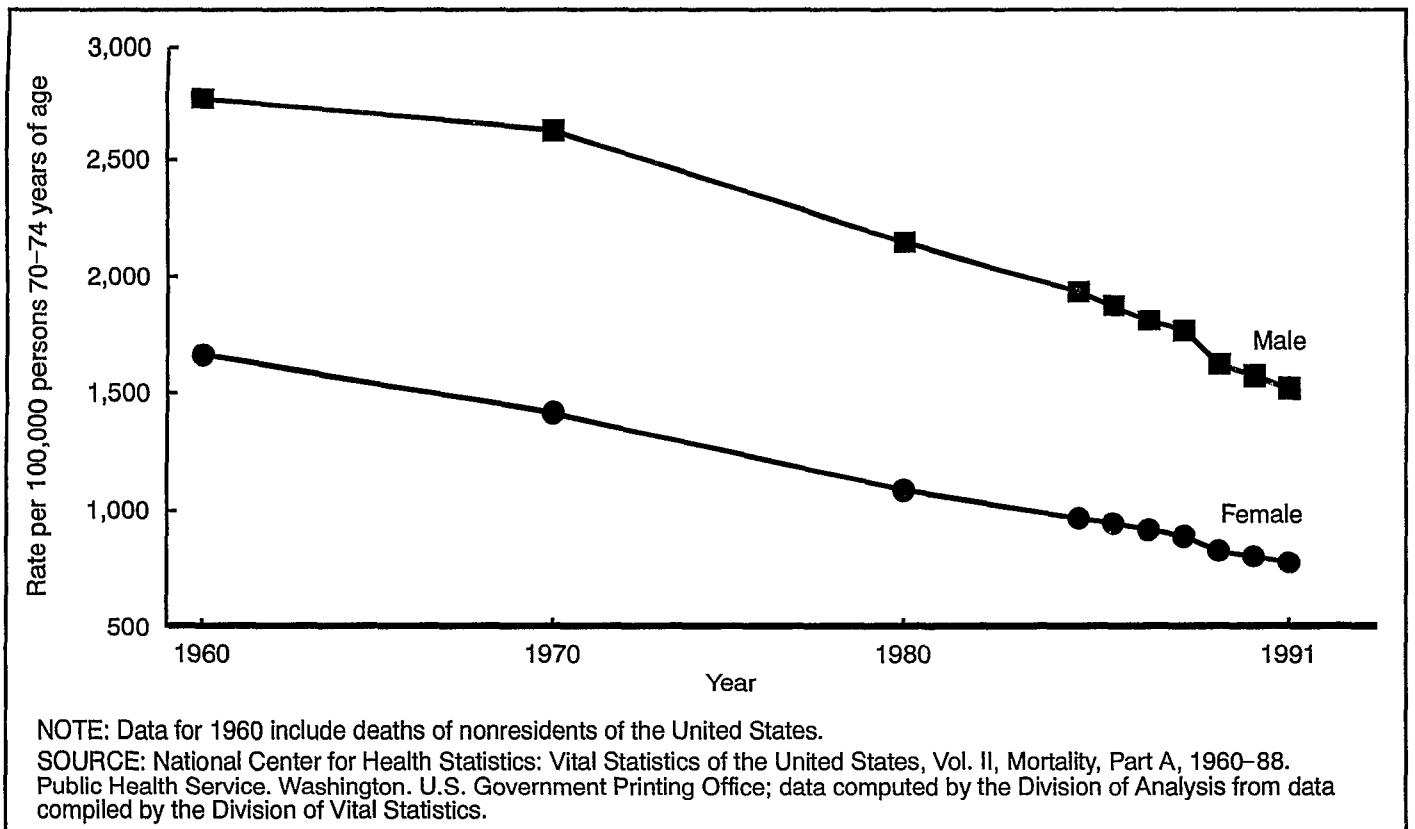


Figure 2. Age-specific death rates for disease of the heart for persons 70-74 years of age, by sex: United States, 1960-91

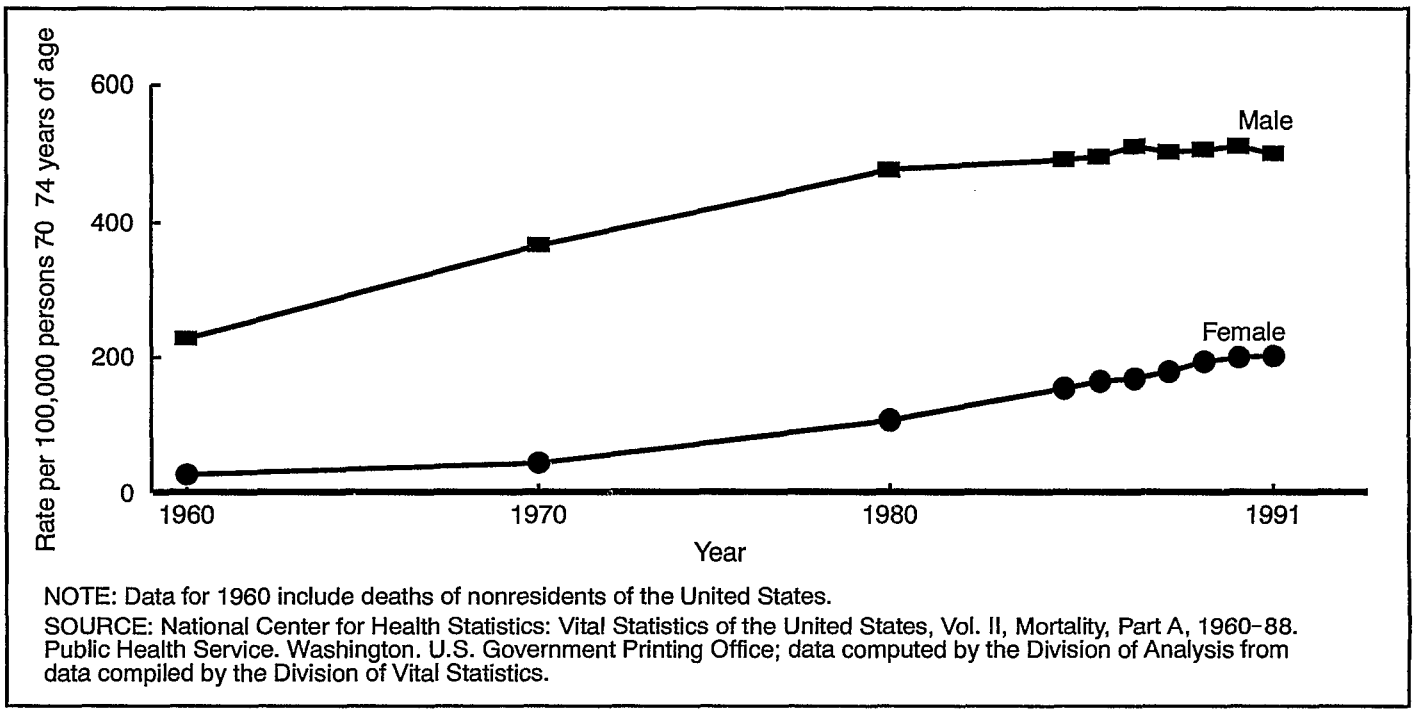


Figure 3. Age-specific death rates for malignant neoplasms of the respiratory and intrathoracic organs for persons 70-74 years of age, by sex: United States, 1960-91

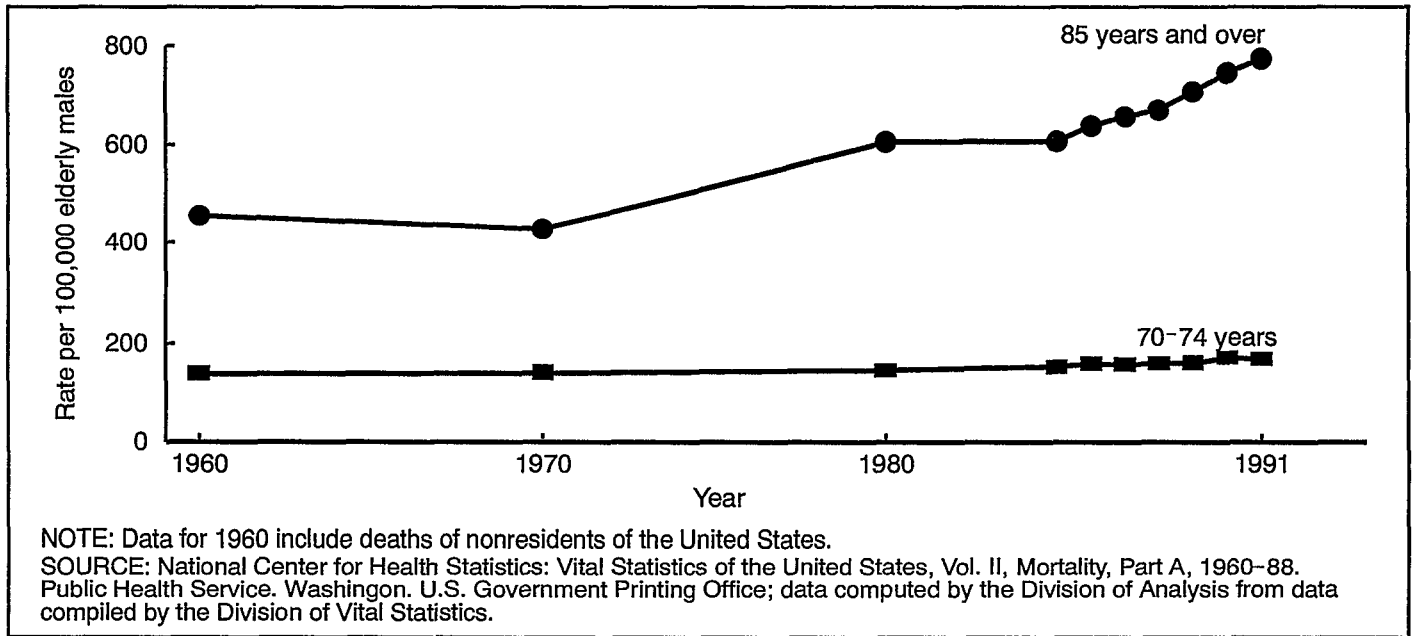


Figure 4. Age-specific death rates for malignant neoplasms of the prostate for males 70-74 years of age and 85 years of age and over: United States, 1960-91

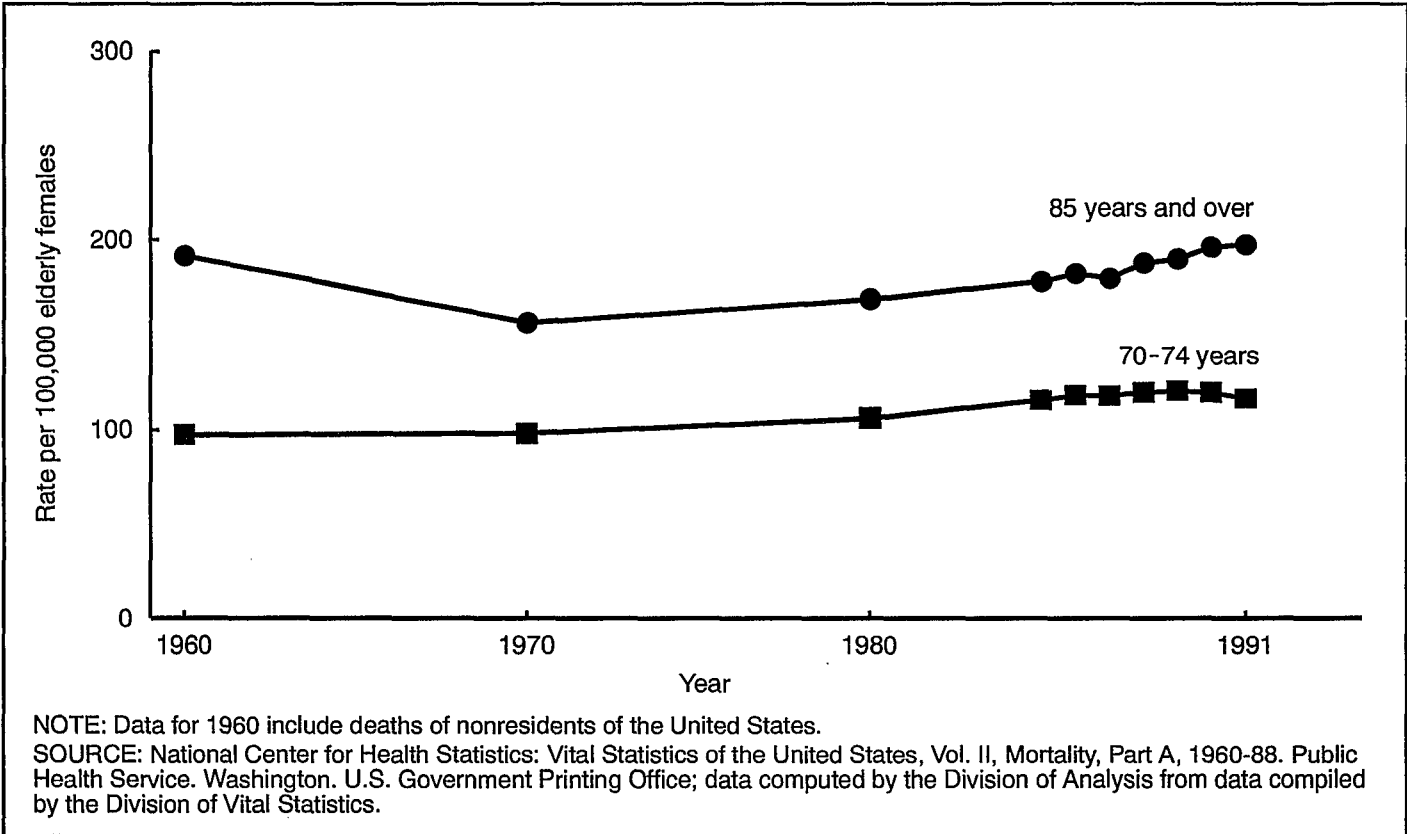


Figure 5. Age-specific death rates for malignant neoplasms of the breast for females 70–74 years of age and 85 years of age and over: United States, 1960–91

Table 1. Life expectancy at birth and at 65, 75, and 85 years of age, by sex and race: United States, selected years 1900–91

[Data are based on the National Vital Statistics System]

| Specified age and year | All races ¹ | | | White | | | Black | | |
|------------------------------------|------------------------|------|--------|------------|------|--------|-------------------|-------------------|-------------------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| At birth | | | | | | | | | |
| Remaining life expectancy in years | | | | | | | | | |
| 1900 ^{2,3} | 47.3 | 46.3 | 48.3 | 47.6 | 46.6 | 48.7 | ⁴ 33.0 | ⁴ 32.5 | ⁴ 33.5 |
| 1950 ³ | 68.2 | 65.6 | 71.1 | 69.1 | 66.5 | 72.2 | 60.7 | 58.9 | 62.7 |
| 1960 ³ | 69.7 | 66.6 | 73.1 | 70.6 | 67.4 | 74.1 | 63.2 | 60.7 | 65.9 |
| 1970 | 70.8 | 67.1 | 74.7 | 71.7 | 68.0 | 75.6 | 64.1 | 60.0 | 68.3 |
| 1980 | 73.7 | 70.0 | 77.4 | 74.4 | 70.7 | 78.1 | 68.1 | 63.8 | 72.5 |
| 1981 | 74.1 | 70.4 | 77.8 | 74.8 | 71.1 | 78.4 | 68.9 | 64.5 | 73.2 |
| 1982 | 74.5 | 70.8 | 78.1 | 75.1 | 71.5 | 78.7 | 69.4 | 65.1 | 73.6 |
| 1983 | 74.6 | 71.0 | 78.1 | 75.2 | 71.6 | 78.7 | 69.4 | 65.2 | 73.5 |
| 1984 | 74.7 | 71.1 | 78.2 | 75.3 | 71.8 | 78.7 | 69.5 | 65.3 | 73.6 |
| 1985 | 74.7 | 71.1 | 78.2 | 75.3 | 71.8 | 78.7 | 69.3 | 65.0 | 73.4 |
| 1986 | 74.7 | 71.2 | 78.2 | 75.4 | 71.9 | 78.8 | 69.1 | 64.8 | 73.4 |
| 1987 | 74.9 | 71.4 | 78.3 | 75.6 | 72.1 | 78.9 | 69.1 | 64.7 | 73.4 |
| 1988 | 74.9 | 71.4 | 78.3 | 75.6 | 72.2 | 78.9 | 68.9 | 64.4 | 73.2 |
| 1989 | 75.1 | 71.7 | 78.5 | 75.9 | 72.5 | 79.2 | 68.8 | 64.3 | 73.3 |
| 1990 | 75.4 | 71.8 | 78.8 | 76.1 | 72.7 | 79.4 | 69.1 | 64.5 | 73.6 |
| 1991 | 75.5 | 72.0 | 78.9 | 76.3 | 72.9 | 79.6 | 69.3 | 64.6 | 73.8 |
| At 65 years | | | | | | | | | |
| 1900–1902 ^{2,3} | 11.9 | 11.5 | 12.2 | --- | 11.5 | 12.2 | --- | 10.4 | 11.4 |
| 1950 ³ | 13.9 | 12.8 | 15.0 | --- | 12.8 | 15.1 | 13.9 | 12.9 | 14.9 |
| 1960 ³ | 14.3 | 12.8 | 15.8 | 14.4 | 12.9 | 15.9 | 13.9 | 12.7 | 15.1 |
| 1970 | 15.2 | 13.1 | 17.0 | 15.2 | 13.1 | 17.1 | 14.2 | 12.5 | 15.7 |
| 1980 | 16.4 | 14.1 | 18.3 | 16.5 | 14.2 | 18.4 | 15.1 | 13.0 | 16.8 |
| 1981 | 16.6 | 14.3 | 18.6 | 16.7 | 14.4 | 18.7 | 15.5 | 13.4 | 17.2 |
| 1982 | 16.8 | 14.5 | 18.7 | 16.9 | 14.5 | 18.8 | 15.7 | 13.5 | 17.5 |
| 1983 | 16.7 | 14.4 | 18.6 | 16.8 | 14.5 | 18.7 | 15.4 | 13.2 | 17.2 |
| 1984 | 16.8 | 14.5 | 18.6 | 16.8 | 14.6 | 18.7 | 15.4 | 13.2 | 17.2 |
| 1985 | 16.7 | 14.5 | 18.5 | 16.8 | 14.5 | 18.7 | 15.2 | 13.0 | 16.9 |
| 1986 | 16.8 | 14.6 | 18.6 | 16.9 | 14.7 | 18.7 | 15.2 | 13.0 | 17.0 |
| 1987 | 16.9 | 14.7 | 18.7 | 17.0 | 14.8 | 18.8 | 15.2 | 13.0 | 17.0 |
| 1988 | 16.9 | 14.7 | 18.6 | 17.0 | 14.8 | 18.7 | 15.1 | 12.9 | 16.9 |
| 1989 | 17.1 | 15.0 | 18.8 | 17.2 | 15.1 | 18.9 | 15.2 | 13.0 | 16.9 |
| 1990 | 17.2 | 15.1 | 18.9 | 17.3 | 15.2 | 19.1 | 15.4 | 13.2 | 17.2 |
| 1991 | 17.4 | 15.3 | 19.1 | 17.5 | 15.4 | 19.2 | 15.5 | 13.4 | 17.2 |
| At 75 years | | | | | | | | | |
| 1900–1902 ^{2,3} | 7.1 | 6.8 | 7.3 | --- | 6.8 | 7.3 | --- | 6.6 | 7.9 |
| 1950 ³ | 8.7 | --- | --- | --- | 8.0 | 9.2 | --- | ³ 9.3 | ³ 11.0 |
| 1960 ³ | 8.7 | 7.9 | 9.4 | 8.7 | 7.9 | 9.3 | 9.8 | 9.1 | 10.4 |
| 1970 | 9.6 | 8.3 | 10.5 | 9.5 | 8.3 | 10.4 | 9.9 | 8.8 | 10.9 |
| 1980 | 10.4 | 8.8 | 11.5 | 10.4 | 8.8 | 11.5 | 9.7 | 8.3 | 10.7 |
| 1981 | 10.6 | 9.0 | 11.7 | 10.6 | 9.0 | 11.7 | 10.4 | 9.0 | 11.4 |
| 1982 | 10.7 | 9.1 | 11.9 | 10.7 | 9.0 | 11.9 | 10.6 | 9.1 | 11.6 |
| 1983 | 10.6 | 9.0 | 11.7 | 10.6 | 8.9 | 11.7 | 10.3 | 8.9 | 11.4 |
| 1984 | 10.7 | 9.0 | 11.8 | 10.7 | 9.0 | 11.8 | 10.3 | 8.9 | 11.4 |
| 1985 | 10.6 | 9.0 | 11.7 | 10.6 | 9.0 | 11.7 | 10.1 | 8.7 | 11.1 |
| 1986 | 10.7 | 9.1 | 11.7 | 10.7 | 9.1 | 11.8 | 10.1 | 8.6 | 11.1 |
| 1987 | 10.7 | 9.1 | 11.8 | 10.7 | 9.1 | 11.8 | 10.1 | 8.6 | 11.1 |
| 1988 | 10.6 | 9.1 | 11.7 | 10.7 | 9.1 | 11.7 | 10.0 | 8.5 | 11.0 |
| 1989 | 10.9 | 9.3 | 11.9 | 10.9 | 9.3 | 11.9 | 10.1 | 8.6 | 11.0 |
| 1990 | 10.9 | 9.4 | 12.0 | 11.0 | 9.4 | 12.0 | 10.2 | 8.6 | 11.2 |
| 1991 | 11.1 | 9.5 | 12.1 | 11.1 | 9.5 | 12.1 | 10.2 | 8.7 | 11.2 |

Table 1. Life expectancy at birth and at 65, 75, and 85 years of age, by sex and race: United States, selected years 1900–91—Con.

[Data are based on the National Vital Statistics System]

| Specified age and year | All races ¹ | | | White | | | Black | | |
|--------------------------------|------------------------|------|--------|------------|------|--------|------------|------------------|------------------|
| | Both sexes | Male | Female | Both sexes | Male | Female | Both sexes | Male | Female |
| At 85 years | | | | | | | | | |
| 1900–1902 ^{2,3} | 4.0 | 3.8 | 4.1 | --- | 3.8 | 4.1 | --- | 4.0 | 5.1 |
| 1950 ³ | 4.9 | --- | --- | --- | 4.5 | 5.1 | --- | ³ 6.0 | ³ 7.4 |
| 1960 ³ | 4.8 | 4.5 | 5.0 | 4.7 | 4.4 | 4.9 | 6.0 | 5.7 | 6.2 |
| 1970 | 5.8 | 5.3 | 6.1 | 5.6 | 5.2 | 5.9 | 6.6 | 5.9 | 7.0 |
| 1980 | 5.9 | 5.0 | 6.4 | 5.9 | 5.0 | 6.3 | 5.5 | 4.5 | 6.1 |
| 1981 | 6.0 | 5.2 | 6.5 | 6.0 | 5.1 | 6.4 | 6.5 | 5.7 | 7.1 |
| 1982 | 6.2 | 5.3 | 6.6 | 6.1 | 5.2 | 6.6 | 6.8 | 5.9 | 7.4 |
| 1983 | 6.0 | 5.1 | 6.4 | 6.0 | 5.1 | 6.4 | 6.6 | 5.7 | 7.1 |
| 1984 | 6.0 | 5.1 | 6.5 | 6.0 | 5.1 | 6.4 | 6.6 | 5.7 | 7.1 |
| 1985 | 5.9 | 5.1 | 6.3 | 5.9 | 5.0 | 6.3 | 6.2 | 5.4 | 6.6 |
| 1986 | 6.0 | 5.1 | 6.3 | 5.9 | 5.1 | 6.3 | 6.0 | 5.2 | 6.4 |
| 1987 | 6.0 | 5.2 | 6.3 | 6.0 | 5.1 | 6.3 | 6.0 | 5.2 | 6.4 |
| 1988 | 5.8 | 5.0 | 6.2 | 5.8 | 5.0 | 6.2 | 5.9 | 5.1 | 6.2 |
| 1989 | 6.0 | 5.2 | 6.4 | 6.0 | 5.2 | 6.4 | 5.9 | 5.1 | 6.2 |
| 1990 | 6.1 | 5.2 | 6.4 | 6.1 | 5.2 | 6.4 | 5.9 | 5.0 | 6.3 |
| 1991 | 6.2 | 5.3 | 6.5 | 6.1 | 5.3 | 6.5 | 5.9 | 5.1 | 6.3 |

¹Data include races other than white and black.

²Death registration area only. The death registration area increased from 10 States and the District of Columbia in 1900 to the coterminous United States in 1933.

³Includes deaths of nonresidents of the United States.

⁴Figure is for the "all other" population.

NOTE: Final data for the 1980's have been revised based on intercensal population estimates and differ from previously published data.

SOURCES: National Center for Health Statistics: *Health, United States, 1992*. Havlik, RJ, Liu, BM, Kovar, MG, et al., Health Statistics on Older Persons, United States, 1986. *Vital and Health Statistics* 3(25). 1987. U.S. Bureau of the Census: U.S. Life Tables 1890, 1901, 1910, and 1901–1910, by J.W. Glover. Washington. U.S. Government Printing Office, 1921; Centers for Disease Control and Prevention, National Center for Health Statistics: *Vital Statistics Rates in the United States, 1940–1960*, by R.D. Grove and A.M. Hetzel. DHEW Pub. No. (PHS) 1677. Public Health Service. Washington. U.S. Government Printing Office, 1968; National Center for Health Statistics, *Advance Report of Final Mortality Statistics, 1991*; vol 42 no 2 suppl. August 31, 1993. Hyattsville, Maryland: Public Health Service. 1993, DHHS Pub. No. (PHS) 93-1120; Unpublished data from the Division of Vital Statistics; data computed by the Office of Research and Methodology from data compiled by the Division of Vital Statistics.

138 **Table 2. Death rates for all causes, by race, sex, and age: United States, selected years**

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| All races, ² both sexes | | | | | | | | | | |
| Deaths per 100,000 resident population | | | | | | | | | | |
| All ages, age-adjusted | 760.9 | 714.3 | 585.8 | 548.9 | 544.8 | 539.2 | 539.9 | 528.0 | 520.2 | 513.7 |
| All ages, crude | 954.7 | 945.3 | 878.3 | 876.9 | 876.7 | 876.4 | 886.7 | 871.3 | 863.8 | 860.3 |
| 55-59 years | 1,385.0 | 1,361.0 | 1,084.9 | 1,025.8 | 990.8 | 980.9 | 982.7 | 963.3 | 933.2 | 926.3 |
| 60-64 years | 2,148.3 | 2,003.5 | 1,647.2 | 1,570.6 | 1,553.6 | 1,537.1 | 1,523.4 | 1,481.1 | 1,457.2 | 1,431.9 |
| 65-69 years | 3,141.7 | 2,969.2 | 2,462.6 | 2,319.9 | 2,291.0 | 2,261.0 | 2,255.4 | 2,199.3 | 2,159.1 | 2,136.8 |
| 70-74 years | 4,720.6 | 4,370.8 | 3,682.5 | 3,538.2 | 3,514.9 | 3,458.5 | 3,421.4 | 3,317.2 | 3,266.0 | 3,205.1 |
| 75-79 years | 7,204.0 | 6,721.8 | 5,499.1 | 5,264.9 | 5,198.7 | 5,131.7 | 5,121.5 | 4,997.9 | 4,933.9 | 4,806.8 |
| 80-84 years | 11,724.0 | 10,157.8 | 8,642.0 | 8,248.0 | 8,085.8 | 8,002.8 | 8,081.4 | 7,794.4 | 7,682.8 | 7,575.4 |
| 85 years and over | 19,857.5 | 16,344.9 | 15,980.3 | 15,712.4 | 15,589.8 | 15,559.6 | 15,934.5 | 15,409.6 | 15,327.4 | 15,107.6 |
| All races, male | | | | | | | | | | |
| All ages, age-adjusted | 949.3 | 931.6 | 777.2 | 723.0 | 716.2 | 706.8 | 706.1 | 689.3 | 680.2 | 669.9 |
| All ages, crude | 1,104.5 | 1,090.3 | 976.9 | 948.6 | 944.7 | 939.3 | 945.1 | 926.3 | 918.4 | 912.1 |
| 55-59 years | 1,853.7 | 1,857.2 | 1,460.7 | 1,355.8 | 1,307.3 | 1,284.3 | 1,275.1 | 1,251.9 | 1,208.5 | 1,189.9 |
| 60-64 years | 2,861.3 | 2,786.3 | 2,231.0 | 2,086.0 | 2,052.0 | 2,030.2 | 2,003.1 | 1,943.4 | 1,902.7 | 1,862.4 |
| 65-69 years | 4,139.4 | 4,117.9 | 3,393.8 | 3,116.4 | 3,052.4 | 3,000.5 | 2,994.3 | 2,907.5 | 2,847.6 | 2,814.1 |
| 70-74 years | 5,953.8 | 5,893.4 | 5,078.3 | 4,837.0 | 4,769.5 | 4,683.6 | 4,599.6 | 4,424.0 | 4,345.4 | 4,233.2 |
| 75-79 years | 8,616.7 | 8,676.8 | 7,480.2 | 7,170.0 | 7,061.1 | 6,943.4 | 6,898.3 | 6,670.5 | 6,608.6 | 6,376.6 |
| 80-84 years | 13,370.5 | 12,386.8 | 11,239.6 | 10,939.2 | 10,730.1 | 10,601.6 | 10,646.2 | 10,247.9 | 10,143.8 | 10,005.8 |
| 85 years and over | 21,186.4 | 17,821.5 | 18,801.1 | 18,614.1 | 18,350.8 | 18,211.9 | 18,711.0 | 18,018.7 | 18,056.6 | 17,800.6 |
| All races, female | | | | | | | | | | |
| All ages, age-adjusted | 590.6 | 532.5 | 432.6 | 410.3 | 407.6 | 404.6 | 406.1 | 397.3 | 390.6 | 386.5 |
| All ages, crude | 809.2 | 807.8 | 785.3 | 809.1 | 812.3 | 816.7 | 831.2 | 818.9 | 812.0 | 811.0 |
| 55-59 years | 935.4 | 907.0 | 749.0 | 728.0 | 704.0 | 704.9 | 716.2 | 699.5 | 681.5 | 684.5 |
| 60-64 years | 1,497.2 | 1,316.7 | 1,144.0 | 1,125.0 | 1,124.4 | 1,112.2 | 1,109.0 | 1,080.3 | 1,069.1 | 1,054.3 |
| 65-69 years | 2,262.7 | 2,042.4 | 1,717.7 | 1,675.1 | 1,672.1 | 1,658.7 | 1,654.2 | 1,623.9 | 1,600.8 | 1,588.3 |
| 70-74 years | 3,665.4 | 3,244.2 | 2,672.8 | 2,596.9 | 2,603.1 | 2,564.8 | 2,556.6 | 2,499.3 | 2,465.0 | 2,434.1 |
| 75-79 years | 6,070.4 | 5,380.1 | 4,256.6 | 4,065.6 | 4,024.2 | 3,982.6 | 3,988.9 | 3,925.2 | 3,856.7 | 3,780.7 |
| 80-84 years | 10,527.0 | 8,772.3 | 7,260.1 | 6,835.6 | 6,699.4 | 6,638.9 | 6,727.4 | 6,498.6 | 6,376.0 | 6,275.6 |
| 85 years and over | 19,008.4 | 15,518.0 | 14,746.9 | 14,553.9 | 14,494.1 | 14,514.4 | 14,850.7 | 14,395.1 | 14,274.3 | 14,066.6 |
| White, both sexes | | | | | | | | | | |
| All ages, age-adjusted | 727.0 | 679.6 | 559.4 | 524.9 | 520.1 | 513.7 | 512.8 | 499.6 | 492.8 | 486.8 |
| All ages, crude | 947.8 | 946.3 | 892.5 | 900.4 | 900.1 | 900.1 | 910.5 | 893.2 | 888.0 | 886.2 |
| 55-59 years | 1,296.6 | 1,282.5 | 1,018.2 | 963.0 | 932.2 | 922.6 | 919.5 | 896.9 | 867.3 | 864.6 |
| 60-64 years | 2,024.2 | 1,917.1 | 1,572.6 | 1,494.8 | 1,477.5 | 1,463.3 | 1,445.1 | 1,403.9 | 1,384.8 | 1,365.5 |
| 65-69 years | 3,041.5 | 2,870.3 | 2,386.8 | 2,248.0 | 2,218.5 | 2,182.3 | 2,171.3 | 2,110.5 | 2,077.8 | 2,059.3 |
| 70-74 years | 4,652.4 | 4,273.7 | 3,606.4 | 3,457.9 | 3,445.4 | 3,445.4 | 3,350.8 | 3,238.4 | 3,192.0 | 3,130.2 |
| 75-79 years | 7,241.7 | 6,702.9 | 5,446.2 | 5,216.8 | 5,141.7 | 5,141.7 | 5,051.9 | 4,921.5 | 4,876.2 | 4,751.1 |
| 80-84 years | 11,863.1 | 10,289.7 | 8,624.7 | 8,193.3 | 8,052.3 | 8,052.3 | 8,044.7 | 7,763.9 | 7,645.1 | 7,527.8 |
| 85 years and over | 20,354.5 | 16,889.7 | 16,220.0 | 15,937.5 | 15,763.6 | 15,763.6 | 16,128.4 | 15,548.3 | 15,465.0 | 15,239.0 |

Table 2. Death rates for all causes, by race, sex, and age: United States, selected years—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | <i>1960¹</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1986</i> | <i>1987</i> | <i>1988</i> | <i>1989</i> | <i>1990</i> | <i>1991</i> |
|------------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Black, both sexes | | | | | | | | | | |
| All ages, age-adjusted | 1,073.3 | 1,044.0 | 842.5 | 793.6 | 796.8 | 796.4 | 809.7 | 805.9 | 789.2 | 780.7 |
| All ages, crude | 1,038.6 | 999.3 | 875.4 | 854.8 | 864.9 | 868.9 | 888.3 | 887.9 | 871.0 | 864.9 |
| 55–59 years | 2,349.0 | 2,215.4 | 1,823.8 | 1,709.9 | 1,641.0 | 1,605.1 | 1,655.6 | 1,656.2 | 1,619.0 | 1,574.9 |
| 60–64 years | 3,631.7 | 2,993.4 | 2,531.1 | 2,499.4 | 2,485.8 | 2,444.4 | 2,455.5 | 2,395.7 | 2,327.8 | 2,238.2 |
| 65–69 years | 4,341.2 | 4,065.9 | 3,368.9 | 3,266.7 | 3,280.4 | 3,313.2 | 3,355.3 | 3,347.3 | 3,218.0 | 3,159.0 |
| 70–74 years | 5,692.0 | 5,704.5 | 4,710.8 | 4,670.9 | 4,579.8 | 4,540.1 | 4,511.4 | 4,489.3 | 4,391.6 | 4,352.9 |
| 75–79 years | 6,733.3 | 7,255.8 | 6,366.9 | 6,135.0 | 6,200.0 | 6,086.6 | 6,262.6 | 6,224.4 | 5,931.5 | 5,823.1 |
| 80–84 years | 9,484.9 | 8,929.4 | 9,350.9 | 9,315.1 | 8,900.4 | 9,006.5 | 8,970.2 | 8,583.3 | 8,587.4 | 8,655.6 |
| 85 years and over | 13,828.4 | 11,300.5 | 13,610.8 | 13,679.5 | 14,187.6 | 14,049.0 | 14,427.6 | 14,420.5 | 14,394.6 | 14,271.6 |
| White male | | | | | | | | | | |
| All ages, age-adjusted | 917.7 | 893.4 | 745.3 | 693.3 | 684.9 | 674.2 | 671.3 | 652.2 | 644.3 | 634.4 |
| All ages, crude | 1,098.5 | 1,086.7 | 983.3 | 963.6 | 958.6 | 952.7 | 957.9 | 936.5 | 930.9 | 926.2 |
| 55–59 years | 1,784.6 | 1,774.6 | 1,375.6 | 1,277.6 | 1,231.3 | 1,209.4 | 1,193.5 | 1,162.2 | 1,122.9 | 1,106.9 |
| 60–64 years | 2,751.4 | 2,708.4 | 2,140.6 | 1,988.9 | 1,956.2 | 1,937.8 | 1,903.9 | 1,845.4 | 1,811.2 | 1,778.3 |
| 65–69 years | 4,050.7 | 4,046.1 | 3,312.1 | 3,029.3 | 2,960.7 | 2,899.9 | 2,887.8 | 2,795.8 | 2,748.3 | 2,717.6 |
| 70–74 years | 5,909.2 | 5,828.0 | 5,022.8 | 4,749.6 | 4,691.3 | 4,600.7 | 4,516.8 | 4,326.1 | 4,251.2 | 4,145.4 |
| 75–79 years | 8,698.7 | 8,693.4 | 7,468.5 | 7,148.2 | 7,012.9 | 6,895.8 | 6,827.0 | 6,594.6 | 6,544.8 | 6,320.1 |
| 80–84 years | 13,544.3 | 12,606.8 | 11,267.0 | 10,915.6 | 10,726.4 | 10,586.3 | 10,651.9 | 10,253.7 | 10,129.3 | 9,971.8 |
| 85 years and over | 21,750.0 | 18,551.7 | 19,097.3 | 18,980.1 | 18,628.8 | 18,486.0 | 19,020.8 | 18,241.7 | 18,268.3 | 18,020.9 |
| Black male | | | | | | | | | | |
| All ages, age-adjusted | 1,246.1 | 1,318.6 | 1,112.8 | 1,053.4 | 1,061.9 | 1,063.6 | 1,083.0 | 1,082.8 | 1,061.3 | 1,048.8 |
| All ages, crude | 1,181.7 | 1,186.6 | 1,034.1 | 989.3 | 1,002.6 | 1,006.2 | 1,026.1 | 1,026.7 | 1,008.0 | 998.7 |
| 55–59 years | 2,664.5 | 2,825.8 | 2,457.2 | 2,265.1 | 2,211.4 | 2,148.1 | 2,206.0 | 2,261.0 | 2,185.9 | 2,136.9 |
| 60–64 years | 4,199.6 | 3,778.7 | 3,377.1 | 3,365.1 | 3,312.8 | 3,259.0 | 3,284.0 | 3,183.8 | 3,094.1 | 2,970.4 |
| 65–69 years | 5,226.5 | 5,051.3 | 4,484.0 | 4,378.2 | 4,394.8 | 4,459.7 | 4,502.8 | 4,490.5 | 4,256.2 | 4,185.8 |
| 70–74 years | 6,664.5 | 6,936.6 | 6,047.7 | 6,287.8 | 6,147.6 | 6,095.2 | 6,055.6 | 6,035.3 | 5,929.6 | 5,775.0 |
| 75–79 years | 7,653.7 | 8,827.8 | 8,092.2 | 7,960.6 | 8,225.0 | 8,094.3 | 8,367.8 | 8,177.0 | 7,966.1 | 7,714.9 |
| 80–84 years | 10,757.1 | 10,629.9 | 11,554.2 | 11,805.7 | 11,327.8 | 11,521.7 | 11,501.1 | 10,973.2 | 11,243.4 | 11,339.6 |
| 85 years and over | 14,844.8 | 12,222.3 | 16,098.8 | 15,774.2 | 16,471.4 | 16,415.6 | 16,643.1 | 16,751.5 | 16,954.9 | 16,663.8 |
| White female | | | | | | | | | | |
| All ages, age-adjusted | 555.0 | 501.7 | 411.1 | 391.0 | 388.1 | 384.8 | 385.3 | 376.0 | 369.9 | 366.3 |
| All ages, crude | 800.9 | 812.6 | 806.1 | 840.1 | 844.3 | 849.8 | 865.3 | 851.8 | 846.8 | 847.7 |
| 55–59 years | 829.7 | 830.8 | 695.9 | 675.1 | 656.9 | 657.4 | 665.3 | 649.7 | 629.2 | 638.2 |
| 60–64 years | 1,362.2 | 1,222.9 | 1,079.2 | 1,062.5 | 1,059.7 | 1,049.1 | 1,043.2 | 1,014.7 | 1,006.6 | 996.5 |
| 65–69 years | 2,154.9 | 1,924.5 | 1,642.9 | 1,610.3 | 1,609.5 | 1,591.8 | 1,582.2 | 1,548.1 | 1,528.0 | 1,520.4 |
| 70–74 years | 3,583.2 | 3,134.1 | 2,585.1 | 2,517.6 | 2,534.1 | 2,493.9 | 2,488.4 | 2,427.9 | 2,398.5 | 2,361.9 |
| 75–79 years | 6,084.2 | 5,349.8 | 4,188.7 | 4,006.3 | 3,963.2 | 3,927.9 | 3,920.7 | 3,845.6 | 3,798.8 | 3,720.1 |
| 80–84 years | 10,654.3 | 8,869.4 | 7,236.4 | 6,777.3 | 6,661.6 | 6,589.7 | 6,683.0 | 6,455.3 | 6,333.7 | 6,227.4 |
| 85 years and over | 19,477.7 | 15,980.2 | 14,979.6 | 14,745.4 | 14,647.4 | 14,681.4 | 15,019.1 | 14,526.1 | 14,400.6 | 14,188.1 |

Table 2. Death rates for all causes, by race, sex, and age: United States, selected years—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Black female | | | | | | | | | | |
| All ages, age-adjusted | 916.9 | 814.4 | 631.1 | 594.8 | 594.1 | 592.4 | 601.0 | 594.3 | 581.6 | 575.1 |
| All ages, crude | 905.0 | 829.2 | 733.3 | 734.2 | 741.5 | 745.7 | 764.6 | 763.2 | 747.9 | 744.5 |
| 55–59 years | 2,051.1 | 1,688.5 | 1,305.8 | 1,259.9 | 1,181.4 | 1,172.4 | 1,216.4 | 1,174.5 | 1,170.1 | 1,129.9 |
| 60–64 years | 3,113.2 | 2,335.8 | 1,860.7 | 1,831.0 | 1,856.0 | 1,822.3 | 1,825.8 | 1,797.5 | 1,749.1 | 1,683.5 |
| 65–69 years | 3,551.9 | 3,285.3 | 2,538.4 | 2,451.1 | 2,463.7 | 2,477.5 | 2,522.5 | 2,519.5 | 2,467.7 | 2,414.2 |
| 70–74 years | 4,832.6 | 4,728.5 | 3,759.6 | 3,601.6 | 3,533.5 | 3,503.7 | 3,483.7 | 3,481.2 | 3,381.4 | 3,412.0 |
| 75–79 years | 5,931.2 | 6,059.7 | 5,243.8 | 4,998.2 | 4,960.5 | 4,870.9 | 5,003.7 | 5,069.8 | 4,738.9 | 4,711.4 |
| 80–84 years | 8,437.3 | 7,761.0 | 8,030.1 | 7,943.7 | 7,576.4 | 7,653.2 | 7,633.7 | 7,330.3 | 7,212.1 | 7,272.4 |
| 85 years and over | 13,052.6 | 10,706.6 | 12,367.2 | 12,703.0 | 13,144.9 | 12,997.2 | 13,461.1 | 13,509.2 | 13,309.5 | 13,258.9 |

¹Includes deaths of nonresidents of the United States.²Data include races other than white and black.

NOTE: Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 3. Death rates for diseases of the heart, by race, sex, and age: United States, selected years 1960–91

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Deaths per 100,000 resident population | | | | | | | | | | |
| All races, ² both sexes | | | | | | | | | | |
| All ages, age-adjusted | 286.2 | 253.6 | 202.0 | 181.4 | 176.0 | 170.8 | 167.7 | 157.5 | 152.0 | 148.2 |
| All ages, crude | 369.0 | 362.0 | 336.0 | 324.1 | 318.8 | 313.8 | 312.9 | 297.3 | 289.5 | 285.9 |
| 55–59 years | 571.6 | 514.3 | 385.2 | 339.7 | 322.8 | 311.8 | 309.4 | 290.8 | 277.4 | 271.6 |
| 60–64 years | 934.2 | 811.9 | 619.6 | 549.4 | 537.5 | 517.6 | 503.6 | 473.7 | 456.0 | 441.1 |
| 65–69 years | 1,412.6 | 1,263.8 | 975.8 | 860.0 | 830.5 | 806.5 | 790.6 | 739.7 | 706.5 | 688.5 |
| 70–74 years | 2,173.5 | 1,936.4 | 1,532.3 | 1,375.7 | 1,336.9 | 1,294.5 | 1,261.8 | 1,165.5 | 1,131.1 | 1,095.6 |
| 75–79 years | 3,358.3 | 3,052.2 | 2,402.6 | 2,153.6 | 2,095.1 | 2,023.6 | 1,998.5 | 1,885.7 | 1,815.9 | 1,743.8 |
| 80–84 years | 5,501.3 | 4,744.1 | 3,957.5 | 3,573.0 | 3,464.4 | 3,369.4 | 3,349.0 | 3,156.3 | 3,044.7 | 2,958.8 |
| 85 years and over | 9,317.8 | 7,891.3 | 7,777.1 | 7,384.1 | 7,267.7 | 7,184.4 | 7,253.1 | 6,868.7 | 6,739.9 | 6,613.4 |
| All races, male | | | | | | | | | | |
| All ages, age-adjusted | 375.5 | 348.5 | 280.4 | 250.1 | 240.9 | 232.7 | 228.0 | 214.0 | 206.7 | 201.0 |
| All ages, crude | 439.5 | 422.5 | 368.6 | 344.1 | 334.5 | 326.6 | 323.6 | 306.1 | 287.6 | 292.6 |
| 55–59 years | 848.8 | 794.5 | 596.1 | 514.5 | 489.8 | 466.0 | 459.5 | 434.7 | 412.6 | 401.7 |
| 60–64 years | 1,330.9 | 1,215.3 | 923.6 | 811.3 | 788.7 | 755.6 | 733.3 | 691.1 | 663.5 | 640.9 |
| 65–69 years | 1,933.3 | 1,827.6 | 1,418.9 | 1,234.9 | 1,187.1 | 1,144.0 | 1,125.4 | 1,058.8 | 1,008.2 | 984.9 |
| 70–74 years | 2,771.5 | 2,632.4 | 2,150.8 | 1,934.5 | 1,872.1 | 1,808.1 | 1,764.6 | 1,618.0 | 1,570.7 | 1,517.0 |
| 75–79 years | 4,022.9 | 3,893.3 | 3,213.8 | 2,900.0 | 2,815.7 | 2,716.8 | 2,677.2 | 2,514.8 | 2,433.3 | 2,230.8 |
| 80–84 years | 6,213.1 | 5,678.4 | 4,959.2 | 4,589.6 | 4,405.9 | 4,287.2 | 4,265.5 | 4,014.4 | 3,910.7 | 3,769.1 |
| 85 years and over | 9,788.9 | 8,426.2 | 8,752.7 | 8,251.8 | 7,982.5 | 7,873.2 | 7,975.9 | 7,506.0 | 7,418.4 | 7,262.4 |
| All races, female | | | | | | | | | | |
| All ages, age-adjusted | 205.7 | 175.2 | 140.3 | 127.4 | 124.8 | 121.9 | 120.1 | 112.7 | 108.9 | 106.3 |
| All ages, crude | 300.6 | 304.5 | 305.1 | 305.2 | 303.9 | 301.7 | 302.8 | 289.0 | 281.8 | 279.5 |
| 55–59 years | 305.7 | 257.9 | 196.7 | 181.9 | 171.5 | 171.6 | 172.5 | 159.2 | 153.9 | 152.2 |
| 60–64 years | 572.0 | 457.9 | 357.5 | 323.0 | 321.1 | 312.7 | 305.2 | 285.2 | 275.2 | 265.8 |
| 65–69 years | 953.8 | 808.8 | 621.4 | 556.5 | 540.7 | 531.6 | 518.2 | 480.3 | 461.9 | 448.4 |
| 70–74 years | 1,661.9 | 1,421.5 | 1,084.8 | 970.7 | 947.8 | 919.8 | 892.6 | 831.2 | 804.8 | 779.6 |
| 75–79 years | 2,825.9 | 2,475.0 | 1,893.8 | 1,683.6 | 1,640.8 | 1,583.9 | 1,565.8 | 1,482.3 | 1,418.8 | 1,360.1 |
| 80–84 years | 4,984.2 | 4,163.3 | 3,424.6 | 3,039.5 | 2,970.7 | 2,887.8 | 2,865.0 | 2,703.3 | 2,584.9 | 2,525.5 |
| 85 years and over | 9,016.8 | 7,591.8 | 7,350.5 | 7,037.6 | 6,984.1 | 6,913.0 | 6,970.9 | 6,620.9 | 6,478.1 | 6,362.5 |
| White, both sexes | | | | | | | | | | |
| All ages, age-adjusted | 281.5 | 249.1 | 197.6 | 176.6 | 171.0 | 165.7 | 162.3 | 151.9 | 146.9 | 143.1 |
| All ages, crude | 379.6 | 374.5 | 350.8 | 340.6 | 334.9 | 330.0 | 329.2 | 312.6 | 305.4 | 301.9 |
| 55–59 years | 546.3 | 494.1 | 367.0 | 320.8 | 305.5 | 294.8 | 290.3 | 270.1 | 258.1 | 252.7 |
| 60–64 years | 896.6 | 788.8 | 598.2 | 525.4 | 512.8 | 493.0 | 476.1 | 446.6 | 433.1 | 418.4 |
| 65–69 years | 1,388.9 | 1,238.4 | 956.4 | 836.7 | 806.5 | 779.4 | 762.8 | 709.6 | 677.6 | 661.3 |
| 70–74 years | 2,165.7 | 1,916.3 | 1,516.0 | 1,351.8 | 1,316.1 | 1,271.1 | 1,239.7 | 1,140.5 | 1,107.3 | 1,068.4 |
| 75–79 years | 3,402.6 | 3,066.6 | 2,401.0 | 2,145.9 | 2,081.5 | 2,010.7 | 1,977.2 | 1,864.7 | 1,799.4 | 1,725.7 |
| 80–84 years | 5,596.8 | 4,832.3 | 3,978.2 | 3,578.3 | 3,468.6 | 3,368.1 | 3,343.8 | 3,158.1 | 3,046.8 | 2,953.6 |
| 85 years and over | 9,610.7 | 8,185.9 | 7,940.4 | 7,539.3 | 7,391.3 | 7,306.6 | 7,380.7 | 6,971.3 | 6,837.3 | 6,710.6 |

Table 3. Death rates for diseases of the heart, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 255.7 | 240.6 | 237.6 | 232.9 | 233.5 | 224.0 | 213.5 | 210.9 |
| All ages, crude | 298.5 | 294.0 | 274.0 | 268.4 | 268.6 | 265.1 | 267.4 | 256.9 | 246.4 | 343.9 |
| 55–59 years | 860.9 | 746.7 | 600.2 | 555.2 | 527.7 | 503.7 | 523.8 | 513.1 | 484.6 | 476.0 |
| 60–64 years | 1,393.8 | 1,095.3 | 893.6 | 857.6 | 853.1 | 828.1 | 835.4 | 796.8 | 741.6 | 717.0 |
| 65–69 years | 1,713.3 | 1,576.0 | 1,243.7 | 1,185.3 | 1,176.8 | 1,184.1 | 1,167.6 | 1,137.3 | 1,088.3 | 1,051.0 |
| 70–74 years | 2,339.5 | 2,277.7 | 1,804.0 | 1,757.8 | 1,694.4 | 1,675.6 | 1,635.8 | 1,562.2 | 1,513.9 | 1,522.2 |
| 75–79 years | 2,825.0 | 3,005.7 | 2,573.8 | 2,391.0 | 2,417.9 | 2,337.5 | 2,401.5 | 2,279.1 | 2,156.4 | 2,107.8 |
| 80–84 years | 4,044.1 | 3,849.7 | 3,958.4 | 3,738.4 | 3,629.4 | 3,624.7 | 3,641.9 | 3,342.9 | 3,232.2 | 3,249.5 |
| 85 years and over | 5,817.9 | 5,146.4 | 6,137.4 | 5,911.3 | 6,200.5 | 6,119.7 | 6,186.9 | 6,012.7 | 5,978.5 | 5,860.8 |
| White male | | | | | | | | | | |
| All ages, age-adjusted | 375.4 | 347.6 | 277.5 | 246.2 | 236.7 | 228.1 | 223.0 | 208.7 | 202.0 | 196.1 |
| All ages, crude | 454.6 | 438.3 | 384.0 | 360.3 | 350.2 | 341.8 | 338.9 | 320.5 | 312.7 | 307.6 |
| 55–59 years | 842.0 | 784.3 | 579.4 | 498.0 | 472.2 | 449.8 | 438.7 | 412.6 | 390.2 | 381.0 |
| 60–64 years | 1,311.6 | 1,209.9 | 907.2 | 788.3 | 764.6 | 731.3 | 705.2 | 663.0 | 643.1 | 617.0 |
| 65–69 years | 1,928.7 | 1,828.8 | 1,413.7 | 1,218.7 | 1,169.0 | 1,119.1 | 1,100.9 | 1,031.8 | 984.3 | 961.3 |
| 70–74 years | 2,788.8 | 2,641.4 | 2,160.8 | 1,924.3 | 1,866.0 | 1,796.3 | 1,752.7 | 1,603.3 | 1,554.1 | 1,497.3 |
| 75–79 years | 4,099.6 | 3,939.0 | 3,249.6 | 2,923.1 | 2,828.2 | 2,723.0 | 2,676.9 | 2,513.0 | 2,435.5 | 2,329.7 |
| 80–84 years | 6,340.5 | 5,828.7 | 5,017.6 | 4,623.6 | 4,441.3 | 4,315.6 | 4,292.9 | 4,050.1 | 3,946.2 | 3,790.2 |
| 85 years and over | 10,135.8 | 8,818.0 | 8,958.0 | 8,481.7 | 8,161.5 | 8,052.8 | 8,160.9 | 7,660.7 | 7,558.7 | 7,411.2 |
| Black male | | | | | | | | | | |
| All ages, age-adjusted | 381.2 | 375.9 | 327.3 | 310.8 | 306.1 | 301.0 | 301.7 | 289.7 | 275.9 | 272.7 |
| All ages, crude | 330.6 | 330.3 | 301.0 | 288.6 | 285.5 | 280.7 | 281.6 | 268.8 | 256.8 | 253.9 |
| 55–59 years | 973.2 | 954.3 | 824.5 | 739.8 | 730.4 | 678.1 | 726.2 | 708.4 | 684.6 | 661.0 |
| 60–64 years | 1,593.9 | 1,354.6 | 1,184.4 | 1,157.9 | 1,149.4 | 1,113.2 | 1,121.5 | 1,070.6 | 977.4 | 974.4 |
| 65–69 years | 2,030.4 | 1,934.9 | 1,593.7 | 1,546.0 | 1,532.1 | 1,562.8 | 1,530.7 | 1,499.2 | 1,404.1 | 1,370.6 |
| 70–74 years | 2,661.2 | 2,694.5 | 2,206.3 | 2,250.8 | 2,151.6 | 2,134.5 | 2,112.8 | 1,984.5 | 1,959.1 | 1,953.0 |
| 75–79 years | 3,146.3 | 3,504.9 | 3,084.7 | 2,878.8 | 2,952.3 | 2,902.3 | 2,969.5 | 2,789.9 | 2,677.7 | 2,601.1 |
| 80–84 years | 4,409.5 | 4,305.1 | 4,586.2 | 4,526.4 | 4,276.7 | 4,301.1 | 4,350.0 | 3,928.9 | 3,887.1 | 3,891.1 |
| 85 years and over | 6,037.9 | 5,367.6 | 6,819.5 | 6,393.5 | 6,666.7 | 6,523.4 | 6,640.0 | 6,368.2 | 6,479.6 | 6,240.6 |
| White female | | | | | | | | | | |
| All ages, age-adjusted | 197.1 | 167.8 | 134.6 | 121.7 | 118.9 | 116.2 | 114.1 | 106.6 | 103.1 | 100.7 |
| All ages, crude | 306.5 | 313.8 | 319.2 | 321.8 | 320.4 | 318.7 | 319.9 | 305.1 | 298.4 | 296.5 |
| 55–59 years | 263.4 | 227.7 | 175.5 | 158.6 | 152.1 | 151.5 | 152.5 | 137.3 | 135.1 | 132.7 |
| 60–64 years | 518.9 | 419.4 | 329.8 | 295.4 | 293.1 | 284.8 | 275.3 | 255.8 | 246.9 | 240.8 |
| 65–69 years | 914.7 | 763.5 | 588.8 | 524.8 | 509.1 | 499.8 | 484.9 | 445.1 | 426.1 | 415.8 |
| 70–74 years | 1,635.6 | 1,384.7 | 1,051.0 | 935.0 | 913.8 | 885.3 | 860.2 | 795.7 | 772.6 | 743.7 |
| 75–79 years | 2,848.9 | 2,473.6 | 1,873.3 | 1,658.7 | 1,611.3 | 1,559.4 | 1,531.3 | 1,447.8 | 1,388.7 | 1,328.9 |
| 80–84 years | 5,062.0 | 4,221.5 | 3,432.0 | 3,034.5 | 2,962.7 | 2,874.9 | 2,848.2 | 2,689.3 | 2,572.0 | 2,508.5 |
| 85 years and over | 9,280.8 | 7,839.9 | 7,501.6 | 7,170.0 | 7,091.3 | 7,017.6 | 7,081.4 | 6,711.3 | 6,563.4 | 6,447.3 |

Table 3. Death rates for diseases of the heart, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black female | | | | | | | | | | |
| All ages, age-adjusted | 292.6 | 251.7 | 201.1 | 188.3 | 186.6 | 182.6 | 183.3 | 175.6 | 168.1 | 165.5 |
| All ages, crude | 268.5 | 261.0 | 249.7 | 250.3 | 253.4 | 251.1 | 254.6 | 246.2 | 237.0 | 235.0 |
| 55–59 years | 754.8 | 567.6 | 416.8 | 405.6 | 364.4 | 364.7 | 362.3 | 357.4 | 326.2 | 329.5 |
| 60–64 years | 1,211.1 | 878.2 | 663.1 | 625.8 | 627.4 | 610.4 | 618.0 | 588.9 | 563.6 | 521.9 |
| 65–69 years | 1,430.6 | 1,291.6 | 983.1 | 920.6 | 916.5 | 908.0 | 904.1 | 875.3 | 860.0 | 819.2 |
| 70–74 years | 2,055.2 | 1,947.6 | 1,517.8 | 1,431.7 | 1,388.3 | 1,368.8 | 1,317.6 | 1,287.7 | 1,221.5 | 1,237.1 |
| 75–79 years | 2,545.0 | 2,625.8 | 2,241.2 | 2,087.2 | 2,090.7 | 1,995.5 | 2,061.8 | 1,977.1 | 1,850.8 | 1,817.9 |
| 80–84 years | 3,743.1 | 3,536.8 | 3,582.0 | 3,304.4 | 3,276.4 | 3,260.8 | 3,268.0 | 3,065.7 | 2,893.1 | 2,918.9 |
| 85 years and over | 5,650.0 | 5,003.8 | 5,796.5 | 5,686.5 | 5,987.7 | 5,940.3 | 5,989.3 | 5,898.7 | 5,766.1 | 5,700.0 |

¹Includes deaths of nonresidents of the United States.

²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases*, described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 4. Death rates for cerebrovascular disease, by race, sex, and age: United States, selected years 1960–91

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Deaths per 100,000 resident population | | | | | | | | | | |
| All races, ² both sexes | | | | | | | | | | |
| All ages, age-adjusted | 79.7 | 66.3 | 40.8 | 32.5 | 31.1 | 30.4 | 29.9 | 28.3 | 27.7 | 26.8 |
| All ages, crude | 108.0 | 101.9 | 75.1 | 64.3 | 62.3 | 61.8 | 61.6 | 59.0 | 57.9 | 56.9 |
| 55–59 years | 105.5 | 86.3 | 48.3 | 41.5 | 39.9 | 39.3 | 39.0 | 37.6 | 36.9 | 35.6 |
| 60–64 years | 196.5 | 150.0 | 84.7 | 68.5 | 67.6 | 66.6 | 65.0 | 61.4 | 58.8 | 57.0 |
| 65–69 years | 344.6 | 279.5 | 155.5 | 121.7 | 117.7 | 111.9 | 113.3 | 106.6 | 104.1 | 101.1 |
| 70–74 years | 633.7 | 518.4 | 302.1 | 236.4 | 226.7 | 219.3 | 212.3 | 198.6 | 195.1 | 186.6 |
| 75–79 years | 1,167.9 | 970.8 | 586.2 | 447.1 | 421.4 | 410.6 | 404.2 | 379.1 | 368.3 | 351.5 |
| 80–84 years | 2,115.9 | 1,729.9 | 1,119.2 | 853.3 | 809.3 | 795.4 | 778.6 | 729.5 | 703.7 | 678.5 |
| 85 years and over | 3,680.5 | 3,014.3 | 2,288.9 | 1,865.1 | 1,784.5 | 1,760.1 | 1,744.7 | 1,671.6 | 1,633.9 | 1,587.7 |
| All races, male | | | | | | | | | | |
| All ages, age-adjusted | --- | 73.2 | 44.9 | 32.5 | 33.8 | 33.1 | 32.9 | 30.9 | 30.2 | 29.4 |
| All ages, crude | 104.5 | 94.5 | 63.6 | 52.5 | 50.6 | 50.1 | 50.2 | 47.7 | 46.8 | 46.1 |
| 55–59 years | 118.0 | 101.1 | 54.1 | 48.0 | 44.7 | 45.0 | 44.8 | 42.1 | 42.3 | 40.6 |
| 60–64 years | 219.3 | 183.2 | 99.0 | 79.8 | 77.6 | 76.8 | 76.5 | 72.1 | 66.6 | 65.0 |
| 65–69 years | 394.8 | 336.1 | 184.7 | 142.1 | 134.9 | 128.9 | 131.3 | 124.2 | 121.9 | 120.8 |
| 70–74 years | 713.0 | 602.4 | 361.2 | 280.0 | 262.0 | 255.9 | 249.4 | 231.0 | 226.5 | 218.5 |
| 75–79 years | 1,253.2 | 1,094.2 | 675.9 | 518.2 | 481.7 | 471.4 | 467.5 | 440.8 | 426.8 | 405.0 |
| 80–84 years | 2,175.8 | 1,838.3 | 1,217.1 | 923.0 | 899.7 | 871.0 | 850.2 | 788.8 | 774.5 | 750.9 |
| 85 years and over | 3,645.9 | 2,895.2 | 2,199.2 | 1,730.1 | 1,671.2 | 1,640.9 | 1,655.7 | 1,574.4 | 1,533.2 | 1,491.3 |
| All races, female | | | | | | | | | | |
| All ages, age-adjusted | --- | 60.8 | 37.6 | 30.0 | 29.0 | 28.3 | 27.6 | 26.2 | 25.7 | 24.7 |
| All ages, crude | 111.4 | 109.0 | 86.1 | 75.5 | 73.4 | 73.0 | 72.4 | 69.7 | 68.6 | 67.2 |
| 55–59 years | 93.6 | 72.8 | 43.2 | 35.6 | 35.5 | 34.1 | 33.8 | 33.5 | 32.1 | 31.0 |
| 60–64 years | 175.7 | 120.9 | 72.4 | 58.8 | 59.0 | 57.7 | 55.0 | 52.2 | 52.1 | 50.1 |
| 65–69 years | 300.4 | 233.9 | 132.1 | 105.1 | 103.7 | 98.2 | 98.7 | 92.2 | 89.8 | 85.1 |
| 70–74 years | 565.9 | 456.2 | 259.4 | 204.7 | 201.0 | 192.7 | 185.0 | 174.6 | 171.9 | 162.6 |
| 75–79 years | 1,099.5 | 886.2 | 530.0 | 402.3 | 383.5 | 372.1 | 363.8 | 339.6 | 330.8 | 316.5 |
| 80–84 years | 2,072.5 | 1,662.5 | 1,067.1 | 816.7 | 761.9 | 755.8 | 740.5 | 698.4 | 666.1 | 639.7 |
| 85 years and over | 3,704.2 | 3,081.0 | 2,328.2 | 1,918.9 | 1,829.4 | 1,807.1 | 1,779.5 | 1,709.5 | 1,672.7 | 1,625.0 |
| White, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | 61.8 | 38.0 | 30.1 | 28.9 | 28.2 | 27.6 | 26.0 | 25.5 | 24.7 |
| All ages, crude | 106.4 | 101.9 | 76.3 | 65.8 | 63.9 | 63.5 | 63.1 | 60.5 | 59.7 | 58.7 |
| 55–59 years | 82.7 | 71.1 | 40.6 | 34.9 | 33.3 | 32.4 | 31.9 | 31.1 | 30.5 | 29.0 |
| 60–64 years | 164.2 | 128.9 | 73.6 | 59.1 | 58.4 | 57.1 | 55.4 | 51.9 | 50.4 | 48.5 |
| 65–69 years | 309.9 | 248.6 | 139.4 | 110.2 | 106.1 | 100.8 | 100.6 | 94.8 | 92.9 | 90.1 |
| 70–74 years | 605.3 | 487.4 | 282.5 | 219.5 | 211.8 | 204.5 | 197.8 | 184.8 | 182.1 | 173.9 |
| 75–79 years | 1,163.8 | 953.4 | 568.0 | 433.0 | 406.5 | 395.9 | 389.5 | 362.7 | 355.9 | 339.0 |
| 80–84 years | 2,134.5 | 1,746.8 | 1,111.0 | 839.9 | 801.6 | 789.4 | 767.1 | 720.2 | 694.1 | 667.9 |
| 85 years and over | 3,770.5 | 3,088.6 | 2,328.4 | 1,894.4 | 1,812.5 | 1,786.2 | 1,767.1 | 1,690.7 | 1,652.5 | 1,601.3 |

Table 4. Death rates for cerebrovascular disease, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 68.5 | 55.8 | 53.6 | 52.5 | 52.9 | 50.6 | 48.4 | 46.8 |
| All ages, crude | 125.6 | 110.6 | 75.6 | 64.2 | 62.0 | 61.1 | 62.2 | 59.6 | 57.1 | 55.7 |
| 55–59 years | 346.4 | 244.6 | 126.6 | 105.3 | 101.8 | 101.9 | 105.3 | 93.2 | 93.8 | 92.8 |
| 60–64 years | 579.1 | 377.0 | 203.1 | 166.8 | 162.6 | 163.1 | 160.1 | 156.5 | 140.9 | 136.8 |
| 65–69 years | 754.7 | 596.1 | 323.1 | 247.3 | 243.6 | 233.5 | 249.0 | 231.6 | 223.0 | 211.5 |
| 70–74 years | 1,025.6 | 908.4 | 527.2 | 424.4 | 395.8 | 385.6 | 383.3 | 363.1 | 342.4 | 330.2 |
| 75–79 years | 1,254.9 | 1,250.4 | 818.0 | 627.8 | 607.9 | 588.4 | 585.2 | 581.4 | 523.4 | 499.2 |
| 80–84 years | 1,851.6 | 1,619.4 | 1,283.3 | 1,045.3 | 950.6 | 906.8 | 948.2 | 871.3 | 840.5 | 837.7 |
| 85 years and over | 2,631.3 | 2,113.6 | 1,888.6 | 1,584.6 | 1,535.3 | 1,526.4 | 1,546.7 | 1,500.9 | 1,476.9 | 1,471.1 |
| White male | | | | | | | | | | |
| All ages, age-adjusted | 80.3 | 68.8 | 41.9 | 33.0 | 31.2 | 30.6 | 30.3 | 28.4 | 27.7 | 26.9 |
| All ages, crude | 102.7 | 93.5 | 63.3 | 52.7 | 50.7 | 50.2 | 50.3 | 47.8 | 47.0 | 46.3 |
| 55–59 years | 97.1 | 84.8 | 45.5 | 40.8 | 36.7 | 36.6 | 36.5 | 35.0 | 34.7 | 32.9 |
| 60–64 years | 189.1 | 161.3 | 86.0 | 69.0 | 67.5 | 66.2 | 65.5 | 60.9 | 56.9 | 55.3 |
| 65–69 years | 361.0 | 305.1 | 167.3 | 128.9 | 121.1 | 116.3 | 117.7 | 111.1 | 108.7 | 108.1 |
| 70–74 years | 687.3 | 573.0 | 340.1 | 262.2 | 246.0 | 239.8 | 233.3 | 216.1 | 211.7 | 203.8 |
| 75–79 years | 1,254.1 | 1,081.4 | 657.4 | 503.4 | 464.9 | 455.4 | 452.3 | 424.9 | 412.9 | 391.4 |
| 80–84 years | 2,196.3 | 1,861.8 | 1,208.1 | 916.2 | 891.7 | 864.1 | 838.0 | 785.3 | 765.2 | 736.8 |
| 85 years and over | 3,734.8 | 3,018.1 | 2,236.9 | 1,765.6 | 1,701.8 | 1,667.7 | 1,685.4 | 1,591.3 | 1,549.8 | 1,499.5 |
| Black male | | | | | | | | | | |
| All ages, age-adjusted | 141.2 | 122.5 | 77.5 | 62.7 | 61.1 | 59.7 | 60.8 | 57.3 | 56.1 | 54.9 |
| All ages, crude | 122.9 | 108.8 | 73.1 | 59.2 | 58.0 | 56.6 | 57.6 | 54.3 | 53.1 | 52.1 |
| 55–59 years | 340.6 | 276.3 | 145.1 | 123.6 | 124.5 | 127.0 | 127.7 | 110.2 | 177.8 | 113.4 |
| 60–64 years | 574.4 | 424.6 | 244.0 | 202.9 | 188.7 | 188.5 | 197.1 | 194.0 | 168.1 | 163.7 |
| 65–69 years | 790.9 | 657.5 | 376.4 | 294.1 | 291.8 | 272.0 | 287.2 | 272.0 | 271.7 | 258.6 |
| 70–74 years | 1,063.2 | 965.1 | 609.4 | 499.2 | 458.5 | 448.6 | 455.6 | 424.2 | 406.4 | 398.9 |
| 75–79 years | 1,273.7 | 1,302.3 | 908.1 | 712.9 | 691.9 | 670.9 | 674.0 | 652.2 | 615.6 | 587.3 |
| 80–84 years | 1,931.0 | 1,714.6 | 1,392.8 | 1,012.6 | 1,035.6 | 989.1 | 1,035.1 | 853.6 | 920.2 | 957.4 |
| 85 years and over | 2,700.0 | 1,963.1 | 1,873.2 | 1,429.0 | 1,436.5 | 1,443.8 | 1,403.1 | 1,454.5 | 1,430.5 | 1,415.9 |
| White female | | | | | | | | | | |
| All ages, age-adjusted | 68.7 | 56.2 | 35.2 | 27.9 | 27.0 | 26.3 | 25.5 | 24.2 | 23.8 | 22.8 |
| All ages, crude | 110.1 | 109.8 | 88.8 | 78.4 | 76.5 | 76.2 | 75.4 | 72.6 | 71.8 | 70.5 |
| 55–59 years | 69.0 | 58.5 | 36.1 | 29.6 | 30.2 | 28.6 | 27.7 | 27.6 | 26.6 | 25.3 |
| 60–64 years | 141.6 | 100.4 | 62.8 | 50.4 | 50.5 | 49.1 | 46.6 | 43.9 | 44.6 | 42.4 |
| 65–69 years | 265.1 | 203.1 | 117.1 | 94.9 | 93.7 | 88.1 | 86.5 | 81.4 | 79.9 | 75.4 |
| 70–74 years | 535.5 | 424.7 | 241.0 | 188.5 | 186.9 | 178.6 | 171.5 | 161.5 | 159.9 | 151.3 |
| 75–79 years | 1,092.0 | 866.4 | 512.4 | 388.8 | 369.8 | 358.2 | 349.6 | 322.7 | 319.2 | 304.6 |
| 80–84 years | 2,090.1 | 1,676.2 | 1,060.0 | 800.2 | 754.8 | 750.5 | 730.1 | 686.0 | 656.6 | 631.2 |
| 85 years and over | 3,795.7 | 3,167.6 | 2,367.8 | 1,944.9 | 1,855.6 | 1,832.1 | 1,798.5 | 1,729.6 | 1,691.4 | 1,640.8 |

Table 4. Death rates for cerebrovascular disease, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black female | | | | | | | | | | |
| All ages, age-adjusted | 139.5 | 107.9 | 61.7 | 50.6 | 47.9 | 47.1 | 47.1 | 45.5 | 42.7 | 41.0 |
| All ages, crude | 127.7 | 112.2 | 77.9 | 68.6 | 65.6 | 65.1 | 66.3 | 64.5 | 60.7 | 59.0 |
| 55–59 years | 351.9 | 217.4 | 111.5 | 90.4 | 83.5 | 81.9 | 87.5 | 79.7 | 74.7 | 76.5 |
| 60–64 years | 583.3 | 337.0 | 170.6 | 138.9 | 142.9 | 143.8 | 132.0 | 128.1 | 120.3 | 116.3 |
| 65–69 years | 722.5 | 547.5 | 283.5 | 213.0 | 208.3 | 205.5 | 221.2 | 202.4 | 187.8 | 177.3 |
| 70–74 years | 992.4 | 863.5 | 466.7 | 375.0 | 353.5 | 343.1 | 334.7 | 323.8 | 300.4 | 284.7 |
| 75–79 years | 1,238.5 | 1,210.8 | 759.3 | 574.7 | 556.6 | 538.4 | 532.1 | 539.5 | 469.4 | 447.4 |
| 80–84 years | 1,786.3 | 1,554.1 | 1,217.7 | 1,063.3 | 904.2 | 862.6 | 902.2 | 880.5 | 799.2 | 776.0 |
| 85 years and over | 2,578.9 | 2,210.5 | 1,896.3 | 1,657.1 | 1,580.4 | 1,563.2 | 1,609.4 | 1,530.7 | 1,496.5 | 1,494.5 |

¹Includes deaths of nonresidents of the United States.²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases*, described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 5. Death rates for malignant neoplasms, by race, sex, and age: United States, selected years 1960–91

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Deaths per 100,000 resident population | | | | | | | | | | |
| All races,² both sexes | | | | | | | | | | |
| All ages, age-adjusted | 125.8 | 129.8 | 132.8 | 134.4 | 134.1 | 134.0 | 134.0 | 134.5 | 135.0 | 134.5 |
| All ages, crude | 149.2 | 162.8 | 183.9 | 194.0 | 195.5 | 196.8 | 198.4 | 501.0 | 203.2 | 204.1 |
| 55–59 years | 327.8 | 357.5 | 358.1 | 365.0 | 357.0 | 359.1 | 359.8 | 357.3 | 352.4 | 354.0 |
| 60–64 years | 478.3 | 498.8 | 525.8 | 546.9 | 543.8 | 547.5 | 547.5 | 546.2 | 545.5 | 541.4 |
| 65–69 years | 634.6 | 674.0 | 722.7 | 737.9 | 745.3 | 745.9 | 746.0 | 755.1 | 761.0 | 762.2 |
| 70–74 years | 818.6 | 857.1 | 940.9 | 979.4 | 996.6 | 993.8 | 993.8 | 1,009.9 | 1,012.7 | 1,004.7 |
| 75–79 years | 1,032.9 | 1,099.5 | 1,142.6 | 1,182.7 | 1,186.8 | 1,202.0 | 1,205.2 | 1,234.2 | 1,258.0 | 1,249.2 |
| 80–84 years | 1,310.1 | 1,286.1 | 1,378.7 | 1,417.0 | 1,424.9 | 1,426.3 | 1,453.8 | 1,470.7 | 1,489.8 | 1,510.8 |
| 85 years and over | 1,450.0 | 1,320.7 | 1,594.6 | 1,615.4 | 1,632.0 | 1,643.2 | 1,674.7 | 1,703.7 | 1,752.9 | 1,773.9 |
| All races, male | | | | | | | | | | |
| All ages, age-adjusted | 143.0 | 157.4 | 165.5 | 166.1 | 165.6 | 165.5 | 165.1 | 165.5 | 166.3 | 165.0 |
| All ages, crude | 162.5 | 182.1 | 205.3 | 213.4 | 214.4 | 215.9 | 216.7 | 218.9 | 221.3 | 221.5 |
| 55–59 years | 367.2 | 412.3 | 414.8 | 420.7 | 411.8 | 414.4 | 411.8 | 410.2 | 405.1 | 400.3 |
| 60–64 years | 572.1 | 629.6 | 645.2 | 659.4 | 656.8 | 663.8 | 662.9 | 662.7 | 662.3 | 652.2 |
| 65–69 years | 787.1 | 890.3 | 947.5 | 942.1 | 946.2 | 949.2 | 943.9 | 949.1 | 959.9 | 964.4 |
| 70–74 years | 1,029.2 | 1,163.9 | 1,292.5 | 1,321.5 | 1,333.9 | 1,335.8 | 1,320.5 | 1,339.0 | 1,337.5 | 1,318.8 |
| 75–79 years | 1,278.0 | 1,494.2 | 1,656.2 | 1,691.9 | 1,690.4 | 1,699.5 | 1,703.6 | 1,716.6 | 1,752.1 | 1,709.1 |
| 80–84 years | 1,617.2 | 1,756.1 | 2,033.9 | 2,110.1 | 2,133.3 | 3,135.5 | 3,153.1 | 3,181.9 | 2,200.5 | 2,232.6 |
| 85 years and over | 1,741.2 | 1,720.8 | 2,369.5 | 2,451.8 | 2,481.6 | 2,499.6 | 2,574.7 | 2,621.9 | 2,739.9 | 2,753.3 |
| All races, female | | | | | | | | | | |
| All ages, age-adjusted | 111.2 | 108.8 | 109.2 | 111.7 | 111.8 | 111.4 | 111.8 | 112.3 | 112.7 | 112.6 |
| All ages, crude | 136.4 | 144.4 | 163.6 | 175.7 | 177.5 | 178.8 | 181.0 | 184.0 | 186.0 | 187.5 |
| 55–59 years | 290.0 | 307.3 | 307.5 | 314.7 | 307.4 | 308.8 | 312.5 | 308.9 | 304.3 | 311.6 |
| 60–64 years | 392.6 | 384.0 | 423.0 | 449.6 | 446.5 | 447.3 | 447.8 | 445.2 | 443.7 | 444.3 |
| 65–69 years | 500.2 | 499.4 | 542.9 | 572.6 | 582.1 | 580.3 | 584.9 | 597.4 | 599.7 | 598.6 |
| 70–74 years | 638.4 | 630.2 | 686.5 | 731.4 | 751.3 | 744.3 | 753.9 | 766.8 | 771.7 | 769.1 |
| 75–79 years | 836.4 | 828.7 | 820.5 | 862.2 | 869.0 | 886.5 | 887.4 | 924.9 | 940.2 | 948.6 |
| 80–84 years | 1,086.8 | 993.9 | 1,030.2 | 1,053.2 | 1,053.4 | 1,054.2 | 1,084.9 | 1,094.8 | 1,112.4 | 1,124.8 |
| 85 years and over | 1,263.9 | 1,096.7 | 1,255.7 | 1,281.4 | 1,294.8 | 1,305.7 | 1,323.3 | 1,346.7 | 1,372.1 | 1,395.2 |
| White, both sexes | | | | | | | | | | |
| All ages, age-adjusted | 124.2 | 127.8 | 129.6 | 131.2 | 131.0 | 131.8 | 130.8 | 131.2 | 131.5 | 131.3 |
| All ages, crude | 152.8 | 166.8 | 189.0 | 200.8 | 202.7 | 204.4 | 206.2 | 209.2 | 211.6 | 213.1 |
| 55–59 years | 320.0 | 347.6 | 344.2 | 351.1 | 346.4 | 347.3 | 347.0 | 344.0 | 337.2 | 341.1 |
| 60–64 years | 466.9 | 490.8 | 511.5 | 531.3 | 527.9 | 533.3 | 534.3 | 533.2 | 530.3 | 529.9 |
| 65–69 years | 631.1 | 666.7 | 711.4 | 727.1 | 732.2 | 731.9 | 729.3 | 737.6 | 745.2 | 748.1 |
| 70–74 years | 820.1 | 849.5 | 930.1 | 965.0 | 985.2 | 982.9 | 984.2 | 996.3 | 999.4 | 990.7 |
| 75–79 years | 1,047.1 | 1,102.1 | 1,139.1 | 1,176.6 | 1,179.4 | 1,193.3 | 1,193.9 | 1,221.8 | 1,247.5 | 1,239.0 |
| 80–84 years | 1,333.6 | 1,300.0 | 1,369.9 | 1,400.5 | 1,414.7 | 1,411.2 | 1,444.1 | 1,462.2 | 1,477.2 | 1,492.1 |
| 85 years and over | 1,492.6 | 1,354.9 | 1,600.8 | 1,613.0 | 1,625.2 | 1,636.0 | 1,666.3 | 1,695.0 | 1,741.9 | 1,760.7 |

Table 5. Death rates for malignant neoplasms, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|----------------------------------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 172.1 | 176.6 | 177.0 | 177.2 | 177.1 | 179.4 | 182.0 | 179.3 |
| All ages, crude | 124.8 | 143.1 | 169.1 | 178.2 | 179.6 | 180.8 | 181.6 | 184.3 | 187.2 | 185.9 |
| 55–59 years | 422.0 | 475.0 | 526.8 | 533.4 | 497.9 | 506.8 | 512.5 | 521.0 | 535.0 | 513.8 |
| 60–64 years | 624.2 | 607.7 | 713.4 | 761.2 | 764.7 | 762.2 | 743.6 | 438.7 | 766.5 | 726.5 |
| 65–69 years | 684.8 | 775.4 | 881.0 | 920.7 | 962.9 | 970.5 | 1,003.3 | 1,021.2 | 1,010.6 | 1,001.5 |
| 70–74 years | 793.8 | 988.2 | 1,119.1 | 1,209.2 | 1,213.2 | 1,205.3 | 1,196.0 | 1,249.4 | 1,261.8 | 1,265.2 |
| 75–79 years | 831.4 | 1,116.0 | 1,244.6 | 1,326.0 | 1,358.3 | 1,388.6 | 1,424.5 | 1,468.5 | 1,470.0 | 1,471.0 |
| 80–84 years | 925.8 | 1,148.8 | 1,561.6 | 1,676.3 | 1,614.5 | 1,681.0 | 1,640.8 | 1,656.7 | 1,735.1 | 1,850.5 |
| 85 years and over | 913.4 | 1,024.8 | 1,571.1 | 1,711.8 | 1,778.6 | 1,800.5 | 1,840.7 | 1,874.1 | 1,969.2 | 2,015.5 |
| White male | | | | | | | | | | |
| All ages, age-adjusted | 141.6 | 154.3 | 160.5 | 160.4 | 160.2 | 160.1 | 159.6 | 159.4 | 160.3 | 159.5 |
| All ages, crude | 166.1 | 185.1 | 208.7 | 218.1 | 219.8 | 221.6 | 222.8 | 224.9 | 227.7 | 228.9 |
| 55–59 years | 360.1 | 397.4 | 391.9 | 397.6 | 393.9 | 394.9 | 391.3 | 385.3 | 381.9 | 377.4 |
| 60–64 years | 559.3 | 617.0 | 620.7 | 631.4 | 327.9 | 638.5 | 638.3 | 638.2 | 634.5 | 631.8 |
| 65–69 years | 780.0 | 879.3 | 921.5 | 916.1 | 917.0 | 917.9 | 911.0 | 916.5 | 927.9 | 934.5 |
| 70–74 years | 1,029.9 | 1,153.8 | 1,274.3 | 1,288.5 | 1,304.4 | 1,307.8 | 1,293.7 | 1,303.6 | 1,304.6 | 1,289.1 |
| 75–79 years | 1,297.9 | 1,493.3 | 1,648.5 | 1,675.1 | 1,667.5 | 1,672.9 | 1,672.5 | 1,682.9 | 1,719.3 | 1,680.1 |
| 80–84 years | 1,648.4 | 1,770.2 | 2,014.5 | 2,074.8 | 2,111.0 | 2,106.6 | 2,136.3 | 2,156.4 | 2,171.3 | 2,194.9 |
| 85 years and over | 1,791.4 | 1,772.2 | 2,375.6 | 2,449.1 | 2,469.3 | 2,482.4 | 2,560.7 | 2,603.7 | 2,715.1 | 2,733.0 |
| Black male | | | | | | | | | | |
| All ages, age-adjusted | 158.5 | 198.0 | 229.9 | 239.9 | 239.0 | 240.0 | 240.4 | 246.2 | 248.1 | 242.4 |
| All ages, crude | 136.7 | 171.6 | 205.5 | 214.9 | 214.5 | 215.8 | 215.7 | 220.6 | 221.9 | 217.5 |
| 55–59 years | 461.4 | 595.7 | 688.8 | 690.3 | 643.1 | 356.8 | 354.7 | 704.1 | 691.7 | 678.0 |
| 60–64 years | 740.1 | 802.3 | 962.4 | 1,034.4 | 1,045.3 | 1,028.1 | 1,008.4 | 990.9 | 1,043.4 | 959.0 |
| 65–69 years | 886.5 | 1,049.4 | 1,287.7 | 1,326.5 | 1,373.8 | 1,410.7 | 1,422.7 | 1,432.2 | 1,423.8 | 1,408.7 |
| 70–74 years | 1,017.1 | 1,349.1 | 1,600.7 | 1,823.2 | 1,814.1 | 1,811.2 | 1,784.0 | 1,889.3 | 1,884.8 | 1,835.2 |
| 75–79 years | 1,012.6 | 1,580.6 | 1,862.7 | 2,014.7 | 2,115.7 | 2,165.7 | 2,237.3 | 2,291.0 | 2,301.7 | 2,244.8 |
| 80–84 years | 1,145.2 | 1,707.7 | 2,369.8 | 2,649.5 | 2,504.4 | 2,666.3 | 2,571.3 | 2,704.1 | 2,799.2 | 2,959.4 |
| 85 years and over | 1,155.2 | 1,387.0 | 2,393.9 | 2,629.0 | 2,787.3 | 2,867.2 | 2,929.2 | 3,040.9 | 3,238.3 | 3,233.3 |
| White female | | | | | | | | | | |
| All ages, age-adjusted | 109.5 | 107.6 | 107.7 | 110.5 | 110.3 | 110.0 | 110.4 | 111.1 | 111.2 | 111.2 |
| All ages, crude | 139.8 | 149.4 | 170.3 | 184.4 | 186.4 | 187.9 | 190.5 | 194.2 | 196.1 | 198.0 |
| 55–59 years | 281.7 | 301.9 | 301.1 | 308.5 | 302.7 | 303.3 | 305.9 | 305.5 | 295.5 | 307.2 |
| 60–64 years | 382.6 | 380.0 | 416.6 | 443.8 | 440.7 | 441.4 | 443.2 | 440.6 | 437.9 | 438.9 |
| 65–69 years | 500.3 | 495.6 | 542.4 | 572.9 | 580.5 | 578.9 | 579.9 | 590.9 | 595.4 | 595.6 |
| 70–74 years | 641.6 | 626.4 | 681.9 | 729.6 | 751.6 | 744.3 | 755.2 | 767.3 | 770.8 | 764.8 |
| 75–79 years | 847.8 | 836.2 | 822.3 | 864.1 | 872.0 | 889.4 | 888.9 | 925.3 | 942.9 | 949.1 |
| 80–84 years | 1,107.2 | 1,011.9 | 1,031.3 | 1,049.8 | 1,052.5 | 1,050.7 | 1,082.5 | 1,097.3 | 1,110.8 | 1,118.2 |
| 85 years and over | 1,304.9 | 1,126.6 | 1,266.8 | 1,285.4 | 1,296.4 | 1,308.3 | 1,323.2 | 1,348.3 | 1,372.3 | 1,391.7 |

Table 5. Death rates for malignant neoplasms, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| Black female | | | | | | | | | | |
| All ages, age-adjusted | 127.8 | 123.5 | 129.7 | 131.8 | 133.7 | 133.9 | 133.5 | 133.5 | 137.2 | 136.3 |
| All ages, crude | 113.8 | 117.3 | 136.5 | 145.2 | 148.3 | 149.5 | 150.9 | 151.8 | 156.1 | 157.4 |
| 55–59 years | 384.8 | 370.7 | 394.4 | 406.1 | 380.9 | 387.4 | 399.0 | 375.2 | 410.9 | 383.8 |
| 60–64 years | 518.5 | 444.7 | 516.1 | 550.3 | 550.8 | 559.2 | 542.4 | 547.3 | 557.4 | 550.3 |
| 65–69 years | 505.0 | 558.3 | 578.1 | 622.9 | 661.8 | 649.6 | 699.0 | 723.5 | 712.0 | 706.1 |
| 70–74 years | 596.5 | 702.3 | 776.5 | 803.2 | 813.6 | 802.9 | 806.1 | 830.6 | 852.5 | 888.0 |
| 75–79 years | 673.4 | 762.5 | 842.3 | 897.1 | 894.7 | 918.0 | 938.5 | 982.1 | 982.5 | 1,016.2 |
| 80–84 years | 745.1 | 764.7 | 1,077.1 | 1,140.5 | 1,129.1 | 1,150.9 | 1,149.4 | 1,107.6 | 1,184.1 | 1,279.1 |
| 85 years and over | 728.9 | 791.5 | 1,159.9 | 1,284.2 | 1,318.1 | 1,326.4 | 1,365.8 | 1,383.0 | 1,431.3 | 1,500.0 |

¹Includes deaths of nonresidents of the United States.

²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases*, described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 6. Death rates for malignant neoplasms of the respiratory system, by race, sex, and age: United States, selected years 1960-91

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| All races, ² both sexes | | | | | | | | | | |
| Deaths per 100,000 resident population | | | | | | | | | | |
| All ages, age-adjusted | 19.2 | 28.4 | 36.4 | 39.1 | 39.3 | 40.0 | 40.3 | 40.8 | 41.4 | 41.1 |
| All ages, crude | 22.2 | 34.2 | 47.9 | 53.5 | 54.3 | 55.7 | 56.5 | 57.6 | 58.9 | 59.1 |
| 55-59 years | 68.5 | 99.2 | 118.5 | 128.8 | 127.6 | 128.3 | 128.9 | 128.8 | 128.1 | 126.2 |
| 60-64 years | 96.8 | 135.9 | 174.1 | 191.7 | 192.2 | 197.0 | 200.0 | 200.6 | 204.5 | 199.7 |
| 65-69 years | 114.1 | 168.4 | 227.7 | 249.3 | 251.4 | 257.3 | 259.4 | 265.1 | 270.7 | 275.4 |
| 70-74 years | 121.3 | 182.5 | 262.9 | 296.4 | 304.1 | 313.1 | 315.8 | 326.2 | 332.6 | 329.9 |
| 75-79 years | 104.8 | 185.2 | 262.7 | 302.7 | 312.1 | 322.1 | 327.9 | 343.1 | 355.3 | 357.4 |
| 80-84 years | 99.2 | 158.0 | 232.9 | 275.6 | 284.5 | 292.7 | 310.4 | 318.2 | 326.6 | 345.9 |
| 85 years and over | 79.1 | 113.5 | 184.5 | 205.0 | 217.6 | 225.2 | 233.4 | 238.0 | 252.9 | 265.3 |
| All races, male | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 59.7 | 60.7 | 60.5 | 61.1 | 60.7 | 60.5 | 61.0 | 60.1 |
| All ages, crude | 38.5 | 57.0 | 71.9 | 75.6 | 76.0 | 77.2 | 77.1 | 77.2 | 78.3 | 77.8 |
| 55-59 years | 124.4 | 167.5 | 179.7 | 185.4 | 181.2 | 181.9 | 179.5 | 177.8 | 176.0 | 170.6 |
| 60-64 years | 181.5 | 243.6 | 275.6 | 284.4 | 286.1 | 289.3 | 288.7 | 285.9 | 289.9 | 281.9 |
| 65-69 years | 216.6 | 322.0 | 382.3 | 387.6 | 385.8 | 390.6 | 390.3 | 391.0 | 399.1 | 403.0 |
| 70-74 years | 228.6 | 365.8 | 476.4 | 492.2 | 496.0 | 510.9 | 502.2 | 505.6 | 511.1 | 500.7 |
| 75-79 years | 195.3 | 373.7 | 517.7 | 559.3 | 565.9 | 566.2 | 571.3 | 573.8 | 588.1 | 571.7 |
| 80-84 years | 174.6 | 319.6 | 500.3 | 558.1 | 573.0 | 584.8 | 598.0 | 600.2 | 605.6 | 633.1 |
| 85 years and over | 132.2 | 215.3 | 386.3 | 457.3 | 477.2 | 494.1 | 502.0 | 512.2 | 538.0 | 552.1 |
| All races, female | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 18.3 | 22.5 | 53.0 | 23.8 | 24.6 | 25.6 | 26.2 | 26.5 |
| All ages, crude | 6.2 | 12.6 | 25.2 | 32.6 | 33.8 | 35.3 | 7.0 | 39.0 | 40.4 | 41.4 |
| 55-59 years | 14.9 | 36.8 | 63.7 | 77.7 | 79.0 | 79.5 | 82.7 | 83.9 | 84.2 | 85.5 |
| 60-64 years | 19.4 | 41.4 | 86.6 | 111.5 | 111.4 | 117.5 | 123.5 | 126.7 | 130.2 | 127.7 |
| 65-69 years | 23.7 | 44.5 | 104.1 | 137.4 | 142.1 | 148.8 | 152.8 | 162.8 | 166.5 | 172.1 |
| 70-74 years | 29.5 | 46.9 | 108.5 | 154.6 | 164.7 | 168.8 | 178.9 | 193.6 | 200.2 | 201.9 |
| 75-79 years | 32.2 | 55.8 | 102.7 | 141.2 | 151.9 | 167.3 | 172.8 | 195.2 | 205.7 | 217.3 |
| 80-84 years | 44.4 | 57.6 | 90.6 | 127.3 | 133.2 | 139.4 | 158.8 | 169.1 | 178.4 | 192.3 |
| 85 years and over | 45.2 | 56.5 | 96.3 | 104.2 | 114.6 | 119.3 | 128.6 | 131.4 | 142.8 | 154.4 |
| White, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 35.6 | 38.4 | 38.6 | 39.3 | 39.7 | 40.0 | 40.6 | 40.5 |
| All ages, crude | 22.8 | 35.1 | 49.4 | 55.7 | 56.6 | 58.1 | 59.2 | 60.4 | 61.8 | 62.3 |
| 55-59 years | 68.2 | 97.2 | 114.1 | 124.1 | 124.4 | 124.8 | 125.7 | 125.0 | 123.4 | 122.9 |
| 60-64 years | 96.0 | 135.6 | 170.5 | 187.3 | 187.8 | 193.2 | 196.9 | 197.4 | 200.7 | 197.6 |
| 65-69 years | 115.5 | 169.8 | 226.3 | 248.8 | 248.8 | 254.0 | 255.9 | 261.9 | 268.1 | 273.1 |
| 70-74 years | 122.9 | 183.5 | 263.8 | 295.5 | 304.9 | 313.0 | 316.2 | 325.6 | 332.5 | 329.9 |
| 75-79 years | 106.3 | 187.3 | 265.0 | 305.9 | 314.4 | 324.5 | 329.0 | 343.7 | 357.8 | 359.9 |
| 80-84 years | 99.7 | 159.7 | 233.3 | 276.6 | 285.7 | 293.3 | 311.2 | 320.3 | 329.2 | 346.1 |
| 85 years and over | 79.4 | 115.6 | 185.6 | 204.7 | 216.9 | 224.6 | 231.9 | 238.3 | 252.5 | 264.9 |

Table 6. Death rates for malignant neoplasms of the respiratory system, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Black, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 46.5 | 50.3 | 50.8 | 51.7 | 51.8 | 53.1 | 54.0 | 52.9 |
| All ages, crude | 17.6 | 29.7 | 43.6 | 48.1 | 48.8 | 49.9 | 50.3 | 51.5 | 52.2 | 51.5 |
| 55–59 years | 74.8 | 125.5 | 175.2 | 191.4 | 177.5 | 179.9 | 178.5 | 184.4 | 192.9 | 178.8 |
| 60–64 years | 107.1 | 145.8 | 225.9 | 262.3 | 262.3 | 264.5 | 262.3 | 262.9 | 277.8 | 255.9 |
| 65–69 years | 99.0 | 163.3 | 260.3 | 283.6 | 311.8 | 323.0 | 332.5 | 337.4 | 335.0 | 338.7 |
| 70–74 years | 96.0 | 179.8 | 268.7 | 331.6 | 325.4 | 347.0 | 346.9 | 368.2 | 373.9 | 370.7 |
| 75–79 years | 75.0 | 161.9 | 251.6 | 228.3 | 309.7 | 320.5 | 342.3 | 363.7 | 353.6 | 361.3 |
| 80–84 years | 78.5 | 138.1 | 227.3 | 271.8 | 281.2 | 294.7 | 312.9 | 310.6 | 314.6 | 362.0 |
| 85 years and over | 73.1 | 89.5 | 172.9 | 210.3 | 225.9 | 233.2 | 250.9 | 244.1 | 256.5 | 274.1 |
| White male | | | | | | | | | | |
| All ages, age-adjusted | 34.6 | 49.9 | 58.0 | 58.7 | 58.6 | 59.2 | 58.8 | 58.3 | 59.0 | 58.1 |
| All ages, crude | 39.6 | 58.3 | 73.4 | 77.6 | 78.1 | 79.5 | 79.5 | 79.6 | 81.0 | 80.7 |
| 55–59 years | 124.0 | 162.9 | 170.8 | 175.1 | 174.0 | 174.4 | 171.7 | 167.6 | 165.7 | 161.2 |
| 60–64 years | 180.7 | 242.3 | 266.7 | 273.5 | 274.3 | 279.0 | 279.6 | 276.0 | 279.3 | 274.3 |
| 65–69 years | 219.7 | 325.2 | 375.5 | 379.9 | 375.0 | 379.1 | 377.8 | 379.5 | 388.6 | 392.2 |
| 70–74 years | 232.3 | 371.0 | 477.0 | 485.0 | 490.9 | 503.3 | 496.4 | 496.9 | 503.5 | 493.5 |
| 75–79 years | 199.6 | 380.6 | 522.3 | 562.7 | 566.7 | 565.5 | 566.5 | 568.4 | 585.1 | 569.5 |
| 80–84 years | 176.3 | 325.4 | 505.0 | 559.8 | 576.5 | 586.2 | 600.6 | 602.2 | 608.6 | 629.8 |
| 85 years and over | 133.9 | 221.8 | 391.5 | 463.8 | 478.8 | 196.8 | 499.3 | 517.7 | 540.4 | 556.6 |
| Black male | | | | | | | | | | |
| All ages, age-adjusted | 36.6 | 60.8 | 82.0 | 87.7 | 87.9 | 88.9 | 88.7 | 90.8 | 91.0 | 88.4 |
| All ages, crude | 31.1 | 51.2 | 70.8 | 75.5 | 75.8 | 76.8 | 76.7 | 78.0 | 77.8 | 75.8 |
| 55–59 years | 136.9 | 228.1 | 292.8 | 314.1 | 282.0 | 287.0 | 283.7 | 305.8 | 308.5 | 290.7 |
| 60–64 years | 195.4 | 277.2 | 397.9 | 440.2 | 451.6 | 444.6 | 430.9 | 430.1 | 453.4 | 411.1 |
| 65–69 years | 187.4 | 314.7 | 490.4 | 520.9 | 560.1 | 572.3 | 590.1 | 582.1 | 570.9 | 574.4 |
| 70–74 years | 180.3 | 333.5 | 512.3 | 630.1 | 609.7 | 664.7 | 638.4 | 680.6 | 674.0 | 654.5 |
| 75–79 years | 125.3 | 302.8 | 516.5 | 580.6 | 624.4 | 642.3 | 685.9 | 707.3 | 683.8 | 644.1 |
| 80–84 years | 128.6 | 267.6 | 465.2 | 575.9 | 572.2 | 613.0 | 630.9 | 643.3 | 644.6 | 747.5 |
| 85 years and over | 110.3 | 154.4 | 337.7 | 409.7 | 485.7 | 495.3 | 569.2 | 507.6 | 535.7 | 546.4 |
| White female | | | | | | | | | | |
| All ages, age-adjusted | 5.1 | 10.1 | 18.2 | 22.7 | 23.1 | 23.9 | 24.9 | 25.9 | 26.5 | 26.8 |
| All ages, crude | 6.4 | 13.1 | 26.5 | 34.8 | 36.1 | 37.7 | 39.7 | 41.9 | 43.4 | 44.6 |
| 55–59 years | 14.9 | 36.9 | 62.9 | 77.5 | 78.6 | 79.0 | 82.9 | 85.3 | 83.9 | 87.1 |
| 60–64 years | 18.8 | 42.1 | 87.0 | 111.8 | 112.3 | 118.3 | 124.4 | 128.2 | 130.9 | 129.0 |
| 65–69 years | 24.0 | 44.8 | 106.4 | 141.7 | 145.2 | 151.1 | 155.6 | 165.4 | 169.4 | 175.5 |
| 70–74 years | 29.9 | 46.0 | 110.1 | 157.5 | 168.9 | 173.2 | 182.9 | 198.0 | 204.5 | 206.0 |
| 75–79 years | 32.1 | 55.9 | 105.0 | 144.9 | 155.5 | 171.8 | 177.6 | 199.2 | 211.1 | 222.1 |
| 80–84 years | 44.6 | 58.2 | 90.5 | 129.4 | 134.4 | 140.8 | 160.0 | 172.1 | 181.7 | 195.2 |
| 85 years and over | 45.2 | 57.4 | 96.8 | 103.2 | 114.9 | 119.2 | 129.3 | 131.5 | 143.2 | 154.1 |

Table 6. Death rates for malignant neoplasms of the respiratory system, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Black female | | | | | | | | | | |
| All ages, age-adjusted | 5.5 | 10.9 | 19.5 | 22.8 | 23.7 | 24.7 | 25.2 | 26.0 | 27.5 | 27.4 |
| All ages, crude | 4.9 | 10.1 | 19.3 | 23.5 | 24.5 | 25.7 | 26.5 | 27.8 | 29.2 | 29.7 |
| 55–59 years | 16.2 | 36.9 | 79.0 | 92.0 | 93.2 | 94.4 | 94.5 | 87.6 | 101.4 | 90.1 |
| 60–64 years | 26.5 | 35.8 | 89.5 | 125.0 | 117.6 | 126.9 | 134.2 | 136.1 | 145.2 | 138.2 |
| 65–69 years | 20.2 | 43.5 | 89.0 | 109.5 | 129.9 | 141.2 | 145.6 | 160.2 | 164.5 | 167.8 |
| 70–74 years | 21.5 | 58.2 | 95.5 | 134.1 | 137.0 | 136.8 | 154.2 | 163.1 | 176.8 | 183.0 |
| 75–79 years | 31.2 | 54.7 | 79.2 | 106.2 | 117.1 | 125.6 | 136.8 | 160.5 | 160.1 | 183.4 |
| 80–84 years | 37.3 | 49.2 | 84.7 | 104.4 | 122.4 | 123.4 | 144.9 | 136.2 | 143.7 | 163.3 |
| 85 years and over | 44.7 | 47.6 | 90.5 | 117.3 | 107.2 | 116.7 | 112.1 | 132.0 | 138.1 | 158.9 |

¹Includes deaths of nonresidents of the United States.²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases*, described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 7. Death rates for malignant neoplasms of the colon, by race, sex, and age: United States, selected years 1960–91

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| All races, ² both sexes | | | | | | | | | | |
| Deaths per 100,000 resident population | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 12.8 | 12.7 | 12.3 | 12.3 | 12.0 | 11.8 | 11.7 | 11.3 |
| All ages, crude | 15.9 | 17.6 | 19.5 | 20.3 | 19.9 | 20.0 | 19.7 | 19.7 | 19.6 | 19.1 |
| 55–59 years | 29.5 | 30.8 | 29.2 | 28.9 | 27.9 | 28.4 | 27.0 | 26.4 | 25.6 | 26.7 |
| 60–64 years | 48.4 | 47.7 | 46.0 | 47.4 | 45.5 | 45.7 | 44.6 | 43.6 | 42.6 | 42.2 |
| 65–69 years | 69.3 | 73.7 | 73.2 | 71.3 | 69.8 | 67.6 | 57.0 | 65.9 | 66.0 | 62.2 |
| 70–74 years | 100.8 | 105.1 | 106.9 | 104.7 | 104.6 | 101.5 | 100.4 | 99.7 | 94.8 | 90.1 |
| 75–79 years | 143.2 | 152.9 | 147.3 | 145.5 | 138.2 | 140.7 | 135.1 | 136.1 | 135.1 | 129.2 |
| 80–84 years | 197.1 | 194.3 | 200.0 | 193.9 | 190.7 | 187.2 | 181.5 | 186.1 | 185.0 | 178.2 |
| 85 years and over | 222.2 | 215.8 | 251.2 | 259.5 | 254.5 | 251.9 | 257.3 | 259.5 | 261.0 | 257.2 |
| All races, male | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 14.9 | 15.1 | 14.7 | 14.8 | 14.4 | 14.2 | 14.2 | 13.6 |
| All ages, crude | 14.7 | 16.5 | 19.2 | 20.2 | 19.8 | 20.1 | 19.7 | 19.7 | 19.7 | 19.1 |
| 55–59 years | 27.4 | 31.1 | 32.5 | 33.5 | 32.2 | 32.5 | 30.3 | 31.6 | 30.0 | 30.2 |
| 60–64 years | 48.7 | 51.5 | 52.1 | 56.6 | 53.5 | 54.7 | 54.2 | 53.0 | 51.7 | 51.8 |
| 65–69 years | 71.9 | 80.4 | 88.1 | 87.5 | 83.7 | 83.4 | 82.2 | 80.7 | 82.7 | 78.4 |
| 70–74 years | 106.6 | 116.3 | 127.1 | 131.2 | 132.2 | 126.4 | 126.7 | 125.6 | 118.3 | 111.5 |
| 75–79 years | 146.3 | 169.2 | 181.6 | 180.1 | 173.5 | 177.6 | 170.1 | 168.0 | 172.5 | 162.6 |
| 80–84 years | 200.5 | 212.5 | 237.3 | 236.5 | 238.5 | 239.0 | 230.6 | 233.1 | 235.7 | 225.2 |
| 85 years and over | 205.8 | 220.3 | 305.2 | 301.3 | 301.0 | 309.6 | 306.5 | 312.8 | 322.4 | 310.2 |
| All races, female | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 11.4 | 10.9 | 10.7 | 10.5 | 10.2 | 10.0 | 9.8 | 9.6 |
| All ages, crude | 17.1 | 18.6 | 19.8 | 20.4 | 20.0 | 19.8 | 19.7 | 19.7 | 19.4 | 19.1 |
| 55–59 years | 31.6 | 30.5 | 26.2 | 24.7 | 24.0 | 24.6 | 24.1 | 21.7 | 21.5 | 23.5 |
| 60–64 years | 48.1 | 44.5 | 40.8 | 39.5 | 38.6 | 38.0 | 36.3 | 35.5 | 34.7 | 33.7 |
| 65–69 years | 67.1 | 68.4 | 61.3 | 58.3 | 58.5 | 54.7 | 56.4 | 53.9 | 52.5 | 49.1 |
| 70–74 years | 95.9 | 96.7 | 92.2 | 85.5 | 84.5 | 83.2 | 81.2 | 80.6 | 77.3 | 74.0 |
| 75–79 years | 140.6 | 141.6 | 125.8 | 123.6 | 116.0 | 117.3 | 112.8 | 115.6 | 111.1 | 107.4 |
| 80–84 years | 194.6 | 183.0 | 180.1 | 171.6 | 165.6 | 160.0 | 155.6 | 161.3 | 158.0 | 153.0 |
| 85 years and over | 232.6 | 213.3 | 227.6 | 242.8 | 236.1 | 229.2 | 238.1 | 238.7 | 237.4 | 236.6 |
| White, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 12.8 | 12.5 | 12.2 | 12.1 | 11.8 | 11.6 | 11.4 | 11.1 |
| All ages, crude | 16.8 | 18.5 | 20.5 | 21.3 | 21.0 | 21.0 | 20.8 | 20.7 | 20.6 | 20.1 |
| 55–59 years | 29.4 | 30.7 | 29.0 | 28.2 | 27.7 | 27.5 | 26.2 | 25.6 | 24.5 | 25.7 |
| 60–64 years | 48.7 | 47.3 | 45.7 | 46.4 | 44.6 | 44.4 | 43.6 | 42.7 | 41.6 | 41.3 |
| 65–69 years | 70.2 | 74.0 | 73.3 | 70.6 | 69.2 | 66.4 | 66.5 | 64.4 | 64.3 | 61.3 |
| 70–74 years | 102.9 | 106.4 | 106.7 | 103.2 | 104.0 | 101.1 | 100.3 | 98.6 | 93.8 | 88.7 |
| 75–79 years | 147.4 | 155.9 | 148.7 | 145.3 | 137.3 | 140.0 | 135.0 | 134.4 | 133.1 | 128.3 |
| 80–84 years | 203.9 | 199.3 | 201.5 | 194.0 | 190.2 | 186.9 | 182.0 | 185.7 | 183.7 | 176.0 |
| 85 years and over | 232.4 | 225.3 | 255.4 | 261.9 | 256.6 | 255.2 | 257.6 | 260.1 | 261.6 | 256.2 |

Table 7. Death rates for malignant neoplasms of the colon, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|----------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Black, both sexes | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 14.0 | 15.6 | 14.9 | 15.4 | 17.9 | 15.1 | 15.7 | 14.9 |
| All ages, crude | 9.3 | 12.1 | 14.6 | 16.8 | 16.3 | 16.6 | 16.4 | 16.7 | 17.3 | 16.6 |
| 55–59 years | 32.1 | 33.4 | 33.1 | 38.5 | 32.9 | 39.6 | 37.0 | 37.1 | 38.5 | 39.7 |
| 60–64 years | 46.8 | 54.5 | 53.3 | 63.2 | 59.4 | 63.6 | 59.3 | 57.2 | 58.2 | 55.8 |
| 65–69 years | 60.9 | 75.1 | 76.5 | 84.4 | 82.5 | 87.8 | 92.0 | 89.9 | 90.6 | 79.4 |
| 70–74 years | 73.1 | 95.0 | 117.3 | 128.3 | 121.8 | 115.7 | 112.1 | 120.8 | 116.8 | 114.3 |
| 75–79 years | 89.7 | 121.0 | 141.0 | 160.5 | 160.7 | 159.5 | 152.0 | 166.2 | 171.9 | 152.8 |
| 80–84 years | 96.8 | 136.7 | 193.8 | 204.5 | 211.0 | 205.7 | 187.9 | 204.3 | 215.4 | 222.9 |
| 85 years and over | 92.5 | 129.5 | 215.6 | 250.8 | 251.2 | 226.0 | 266.8 | 267.7 | 275.8 | 290.9 |
| White male | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 14.9 | 15.0 | 14.6 | 14.6 | 14.2 | 14.1 | 13.9 | 13.5 |
| All ages, crude | 15.5 | 17.4 | 20.2 | 21.2 | 20.9 | 21.2 | 20.8 | 20.7 | 20.7 | 20.2 |
| 55–59 years | 27.7 | 31.3 | 32.1 | 33.1 | 32.1 | 31.7 | 29.3 | 31.0 | 29.0 | 29.1 |
| 60–64 years | 48.9 | 51.7 | 51.6 | 55.8 | 52.7 | 53.5 | 53.1 | 52.7 | 50.6 | 50.8 |
| 65–69 years | 72.8 | 81.5 | 88.6 | 86.7 | 83.4 | 82.9 | 81.2 | 79.6 | 80.9 | 78.1 |
| 70–74 years | 109.0 | 118.7 | 127.9 | 129.9 | 132.2 | 126.9 | 126.5 | 124.7 | 117.7 | 111.1 |
| 75–79 years | 151.5 | 172.7 | 184.2 | 181.9 | 172.4 | 177.4 | 171.5 | 165.6 | 170.5 | 163.0 |
| 80–84 years | 208.4 | 217.5 | 240.9 | 237.6 | 240.4 | 240.5 | 233.5 | 233.7 | 235.8 | 224.7 |
| 85 years and over | 214.8 | 231.8 | 311.1 | 308.1 | 303.7 | 314.6 | 309.3 | 314.0 | 323.5 | 309.2 |
| Black male | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 15.5 | 17.5 | 16.9 | 17.5 | 17.2 | 17.7 | 18.5 | 17.3 |
| All ages, crude | 8.7 | 11.3 | 14.3 | 16.1 | 15.8 | 16.2 | 15.9 | 16.4 | 17.1 | 15.9 |
| 55–59 years | 25.4 | 30.9 | 38.0 | 40.4 | 36.2 | 44.9 | 42.9 | 42.2 | 45.0 | 46.3 |
| 60–64 years | 46.6 | 52.3 | 62.2 | 71.4 | 66.0 | 73.1 | 71.3 | 59.9 | 69.4 | 68.5 |
| 65–69 years | 62.2 | 74.3 | 86.9 | 100.9 | 94.5 | 99.1 | 102.6 | 103.6 | 111.2 | 93.5 |
| 70–74 years | 72.4 | 95.2 | 130.8 | 157.3 | 145.6 | 135.3 | 143.2 | 146.4 | 141.1 | 126.5 |
| 75–79 years | 86.3 | 135.5 | 164.1 | 177.6 | 202.9 | 189.1 | 175.1 | 209.0 | 216.6 | 175.7 |
| 80–84 years | 97.6 | 161.9 | 203.9 | 232.3 | 231.1 | 242.4 | 226.6 | 244.3 | 265.4 | 261.4 |
| 85 years and over | 96.6 | 137.0 | 262.2 | 258.1 | 301.6 | 276.6 | 300.0 | 328.8 | 341.0 | 359.4 |
| White female | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 11.3 | 10.6 | 10.5 | 10.2 | 10.0 | 9.7 | 9.5 | 9.3 |
| All ages, crude | 18.1 | 19.5 | 20.9 | 21.4 | 21.1 | 20.8 | 20.8 | 20.7 | 20.4 | 20.1 |
| 55–59 years | 31.0 | 30.1 | 26.1 | 23.7 | 23.7 | 23.7 | 23.4 | 20.6 | 20.2 | 22.4 |
| 60–64 years | 48.4 | 43.6 | 40.6 | 38.1 | 37.4 | 36.5 | 35.2 | 33.8 | 33.7 | 32.9 |
| 65–69 years | 68.0 | 68.0 | 60.9 | 57.5 | 57.6 | 52.8 | 54.4 | 51.9 | 50.6 | 47.6 |
| 70–74 years | 97.7 | 97.4 | 91.4 | 83.9 | 83.3 | 82.1 | 81.0 | 79.1 | 75.8 | 71.7 |
| 75–79 years | 144.2 | 144.5 | 126.6 | 122.4 | 115.2 | 116.2 | 111.7 | 114.3 | 109.0 | 105.5 |
| 80–84 years | 200.7 | 188.1 | 180.8 | 171.4 | 164.2 | 159.0 | 155.1 | 160.5 | 156.2 | 150.1 |
| 85 years and over | 243.5 | 221.7 | 231.3 | 243.8 | 238.3 | 232.3 | 237.8 | 239.6 | 238.1 | 236.1 |

Table 7. Death rates for malignant neoplasms of the colon, by race, sex, and age: United States, selected years 1960–91—Con.

[Data are based on the National Vital Statistics System]

| <i>Race, sex, and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|------------------------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Black female | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 12.9 | 14.2 | 13.6 | 13.9 | 13.3 | 13.4 | 13.8 | 13.3 |
| All ages, crude | 9.8 | 12.8 | 14.8 | 17.4 | 16.7 | 17.0 | 16.8 | 17.0 | 17.4 | 17.1 |
| 55–59 years | 38.6 | 35.6 | 29.0 | 36.9 | 30.3 | 35.5 | 32.2 | 33.1 | 33.4 | 34.5 |
| 60–64 years | 47.0 | 56.3 | 46.2 | 56.8 | 54.3 | 56.2 | 50.2 | 55.1 | 49.9 | 46.1 |
| 65–69 years | 59.7 | 75.8 | 68.9 | 72.3 | 73.7 | 79.6 | 84.3 | 79.9 | 75.7 | 69.2 |
| 70–74 years | 73.8 | 94.8 | 107.6 | 109.1 | 105.9 | 102.4 | 91.3 | 104.2 | 100.8 | 106.3 |
| 75–79 years | 92.7 | 110.0 | 126.0 | 149.8 | 134.9 | 141.5 | 138.2 | 140.9 | 145.7 | 139.3 |
| 80–84 years | 96.1 | 119.5 | 187.8 | 189.2 | 200.0 | 186.0 | 167.4 | 183.2 | 189.5 | 203.1 |
| 85 years and over | 89.5 | 124.7 | 192.4 | 247.4 | 228.3 | 203.5 | 252.3 | 243.1 | 248.1 | 262.0 |

¹Includes deaths of nonresidents of the United States.

²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases*, described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: *Vital Statistics of the United States*, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 8. Death rates for malignant neoplasms of the prostate for males, by race and age: United States, selected years 1960–91

[Data are based on the National Vital Statistics System]

| Race and age | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|-------|-------|-------|-------|---------|---------|---------|---------|---------|
| All races ² Deaths per 100,000 resident population | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 14.4 | 14.7 | 15.2 | 15.1 | 15.5 | 15.9 | 16.7 | 16.7 |
| All ages, crude | 16.4 | 17.4 | 20.8 | 22.4 | 23.3 | 23.6 | 24.3 | 25.4 | 26.7 | 27.3 |
| 55–59 years | 12.5 | 12.2 | 13.0 | 13.6 | 13.5 | 13.0 | 13.8 | 15.0 | 15.4 | 13.6 |
| 60–64 years | 33.5 | 32.9 | 34.2 | 34.5 | 36.8 | 35.3 | 36.4 | 38.7 | 39.5 | 38.7 |
| 65–69 years | 71.0 | 72.7 | 77.8 | 76.9 | 80.4 | 81.0 | 80.8 | 83.5 | 87.2 | 83.9 |
| 70–74 years | 138.6 | 140.3 | 144.7 | 152.0 | 158.3 | 156.3 | 159.0 | 160.6 | 169.7 | 168.5 |
| 75–79 years | 236.6 | 250.2 | 258.0 | 261.9 | 263.2 | 263.1 | 269.0 | 275.0 | 288.6 | 286.9 |
| 80–84 years | 373.4 | 375.3 | 409.9 | 422.8 | 460.9 | 432.6 | 444.6 | 455.0 | 475.9 | 493.6 |
| 85 years and over | 457.7 | 427.7 | 606.7 | 609.6 | 638.5 | 656.9 | 670.7 | 709.4 | 746.1 | 777.2 |
| White | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 13.2 | 13.4 | 13.9 | 13.8 | 14.2 | 14.7 | 15.3 | 15.3 |
| All ages, crude | 16.1 | 16.9 | 20.1 | 21.8 | 22.9 | 23.2 | 24.0 | 25.1 | 26.4 | 27.1 |
| 55–59 years | 10.5 | 10.3 | 11.2 | 11.6 | 12.1 | 11.0 | 12.0 | 12.9 | 13.0 | 11.5 |
| 60–64 years | 29.1 | 29.2 | 30.2 | 30.5 | 32.9 | 31.4 | 32.1 | 34.9 | 34.9 | 34.4 |
| 65–69 years | 64.0 | 64.1 | 68.1 | 68.9 | 72.2 | 71.9 | 72.3 | 74.7 | 78.2 | 74.7 |
| 70–74 years | 131.5 | 126.9 | 131.0 | 137.3 | 142.4 | 142.7 | 146.5 | 146.4 | 155.3 | 153.4 |
| 75–79 years | 231.4 | 237.3 | 242.0 | 241.7 | 243.5 | 242.3 | 247.7 | 253.1 | 266.3 | 265.9 |
| 80–84 years | 373.7 | 366.9 | 384.9 | 393.0 | 404.8 | 404.0 | 418.8 | 428.4 | 444.1 | 461.7 |
| 85 years and over | 461.0 | 431.5 | 583.3 | 578.9 | 612.4 | 628.2 | 640.6 | 681.3 | 705.4 | 743.9 |
| Black | | | | | | | | | | |
| All ages, age-adjusted | --- | --- | 29.1 | 31.2 | 31.4 | 31.7 | 32.0 | 33.1 | 35.3 | 35.3 |
| All ages, crude | 19.5 | 23.3 | 29.2 | 31.6 | 31.8 | 32.4 | 32.6 | 33.6 | 35.9 | 35.9 |
| 55–59 years | 34.4 | 32.6 | 32.3 | 35.8 | 30.2 | 35.3 | 32.8 | 38.1 | 42.4 | 36.0 |
| 60–64 years | 87.8 | 76.0 | 82.4 | 85.0 | 85.5 | 84.7 | 90.0 | 86.2 | 95.7 | 90.3 |
| 65–69 years | 156.5 | 167.1 | 188.0 | 176.4 | 186.3 | 195.1 | 190.3 | 198.0 | 201.0 | 202.7 |
| 70–74 years | 238.8 | 307.4 | 310.2 | 343.5 | 367.7 | 339.0 | 333.6 | 356.0 | 373.2 | 377.7 |
| 75–79 years | 318.9 | 434.7 | 463.6 | 518.8 | 522.7 | 540.6 | 558.2 | 572.5 | 594.9 | 603.3 |
| 80–84 years | 385.7 | 536.9 | 754.4 | 820.7 | 787.8 | 821.7 | 826.6 | 837.1 | 937.5 | 970.3 |
| 85 years and over | 448.3 | 447.8 | 930.0 | 990.3 | 982.5 | 1,057.8 | 1,072.3 | 1,103.0 | 1,305.3 | 1,233.3 |

¹Includes deaths of nonresidents of the United States.²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases*, described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Table 9. Death rates for malignant neoplasms of the breast for females, by race and age: United States, selected years 1960–91

[Data are based on the National Vital Statistics System]

| <i>Race and age</i> | 1960 ¹ | 1970 | 1980 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 |
|--|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| All races ² | | | | | | | | | | |
| Deaths per 100,000 resident population | | | | | | | | | | |
| All ages, age adjusted | 22.3 | 23.1 | 22.7 | 23.3 | 23.2 | 23.0 | 23.3 | 23.1 | 23.1 | 22.7 |
| All ages, crude | 26.1 | 28.4 | 30.6 | 32.8 | 32.9 | 32.9 | 33.6 | 33.9 | 34.0 | 33.7 |
| 55–59 years | 65.4 | 76.1 | 75.4 | 75.7 | 71.8 | 71.3 | 74.4 | 71.8 | 70.3 | 70.3 |
| 60–64 years | 77.0 | 79.3 | 86.1 | 92.8 | 91.5 | 91.7 | 91.0 | 87.4 | 86.6 | 87.5 |
| 65–69 years | 84.1 | 90.2 | 97.0 | 101.3 | 103.3 | 101.0 | 101.8 | 104.1 | 105.1 | 102.2 |
| 70–74 years | 97.6 | 98.3 | 106.1 | 115.6 | 118.3 | 117.9 | 119.5 | 120.6 | 119.7 | 116.2 |
| 75–79 years | 118.5 | 122.2 | 118.1 | 128.7 | 126.4 | 128.2 | 129.4 | 138.9 | 139.4 | 135.9 |
| 80–84 years | 150.9 | 135.8 | 139.3 | 147.6 | 146.7 | 147.4 | 157.8 | 154.2 | 156.4 | 158.4 |
| 85 years and over | 191.9 | 157.1 | 169.3 | 178.5 | 182.5 | 179.7 | 188.2 | 190.5 | 196.8 | 197.9 |
| White | | | | | | | | | | |
| All ages, age adjusted | 22.4 | 23.4 | 22.8 | 23.4 | 23.1 | 22.9 | 23.1 | 23.1 | 22.9 | 22.5 |
| All ages, crude | 27.2 | 29.9 | 32.3 | 34.7 | 34.8 | 34.7 | 35.4 | 35.8 | 35.9 | 35.5 |
| 55–59 years | 66.6 | 77.9 | 75.9 | 75.6 | 72.3 | 71.2 | 73.8 | 71.7 | 69.2 | 70.1 |
| 60–64 years | 77.7 | 80.8 | 87.4 | 93.7 | 92.4 | 92.4 | 91.7 | 88.7 | 87.3 | 87.3 |
| 65–69 years | 85.5 | 92.2 | 99.8 | 103.4 | 105.3 | 103.3 | 103.1 | 105.2 | 106.3 | 103.9 |
| 70–74 years | 99.5 | 100.3 | 108.5 | 117.5 | 120.7 | 119.3 | 122.0 | 122.8 | 121.6 | 116.7 |
| 75–79 years | 121.1 | 124.2 | 119.9 | 131.4 | 129.7 | 131.2 | 131.4 | 141.3 | 141.5 | 137.6 |
| 80–84 years | 154.2 | 138.4 | 141.2 | 149.9 | 150.3 | 149.1 | 159.3 | 157.1 | 157.9 | 159.9 |
| 85 years and over | 199.6 | 161.9 | 171.7 | 180.9 | 184.6 | 181.6 | 189.9 | 192.7 | 198.0 | 199.5 |
| Black | | | | | | | | | | |
| All ages, age adjusted | 21.3 | 21.5 | 23.3 | 25.5 | 26.2 | 26.9 | 27.5 | 26.5 | 27.5 | 27.6 |
| All ages, crude | 18.7 | 19.7 | 22.9 | 25.9 | 26.5 | 27.5 | 28.5 | 27.7 | 29.0 | 29.3 |
| 55–59 years | 56.1 | 62.5 | 78.3 | 86.9 | 77.2 | 81.9 | 89.0 | 80.5 | 89.9 | 83.8 |
| 60–64 years | 72.5 | 67.4 | 81.7 | 94.2 | 94.8 | 100.2 | 97.8 | 90.4 | 96.5 | 103.1 |
| 65–69 years | 70.5 | 74.9 | 79.8 | 94.8 | 97.6 | 91.6 | 103.3 | 107.1 | 109.0 | 104.2 |
| 70–74 years | 75.0 | 81.0 | 90.4 | 107.8 | 107.7 | 117.5 | 107.1 | 133.9 | 116.3 | 128.6 |
| 75–79 years | 83.5 | 101.7 | 107.3 | 110.6 | 103.9 | 107.6 | 120.6 | 126.2 | 132.2 | 131.8 |
| 80–84 years | 96.1 | 101.9 | 127.0 | 129.7 | 115.2 | 142.1 | 153.9 | 134.1 | 153.7 | 161.2 |
| 85 years and over | 92.1 | 112.1 | 149.9 | 159.4 | 170.3 | 171.5 | 187.2 | 184.3 | 201.5 | 193.3 |

¹Includes deaths of nonresidents of the United States.

²Data include races other than white and black.

NOTES: For data years shown, the code numbers for cause of death are based on the then-current *International Classification of Diseases* described in appendix II. Data for the 1980's have been revised based on intercensal population estimates and differ from previously published rates.

SOURCES: National Center for Health Statistics: Vital Statistics of the United States, vol. II, Mortality, Part A, 1960–88. Public Health Service. Washington. U.S. Government Printing Office; data computed by the Division of Analysis from data compiled by the Division of Vital Statistics.

Chapter 4

Trends in hospital use

Introduction

This chapter provides national estimates of the use of non-Federal short-stay hospitals for selected years from 1970 to 1991, with special focus on the elderly population. Detailed tables present data on number of discharges, discharge rates, and average length of stay for selected first-listed diagnoses and the number and rate of all-listed surgical and diagnostic procedures performed by selected demographic characteristics of discharges. Major changes in technology have taken place between 1970 and the present, making comparisons over time difficult. Therefore, data for surgical and diagnostic procedures for 1970 are not included in this report. Data for newborn infants are also excluded. Data are presented in tables 1–10.

Sources of data

The data in this chapter are based on discharge events collected by the National Hospital Discharge Survey (NHDS), a continuous survey that has been conducted by the National Center for Health Statistics (NCHS) since 1965. The data for the survey come from a sample of inpatient records that are obtained from a national sample of non-Federal general and short-stay specialty hospitals located in the United States.

The original universe for the survey consisted of 6,965 short-stay hospitals contained in the 1963

National Master Facility Inventory of Hospitals. The universe was updated periodically from lists of hospitals provided by the American Hospital Association. A description of the development and design of the original NHDS, which was in operation from 1965 through 1987, has been published in Simmons and Schnack (1).

Beginning in 1988, the NHDS was redesigned in order to link it with other surveys conducted by NCHS and to improve efficiency through the use of information and technologies that were not available when the survey was first designed in 1964. Differences between NHDS statistics based on the 1970–87 sample and statistics based on the new sample may be the result of changes in the sample design rather than real changes in hospital use patterns.

The redesigned survey is based on a new three-stage stratified sample that comes from hospitals contained in the April 1987 SMG Hospital Market Database (2). Only hospitals accepting inpatients by August 1987 were included. In 1991 the sampling frame was updated to include hospitals from the 1991 SMG Hospital Database (3). The definition of hospitals in the NHDS was modified slightly in the redesign. Prior to 1988, hospitals with an average length of stay of 30 days or more were excluded. Beginning in 1988, general medical and surgical and children's general hospitals were included, regardless of the overall average length of stay of the inpatient population. However, the term "short-stay" will continue to be used because 98 percent of hospitals in the NHDS universe fall into this category. A description of the new design, data collection

NOTE: The authors wish to acknowledge Eileen McCarthy, Marni Hall, Ph.D., and Lola Jean Kozak, Ph.D., Division of Health Care Statistics, NCHS, for their helpful comments on the manuscript.

procedures, and estimation process can be found in Graves (4).

For 1980 to 1991, medical data for hospital discharges are coded according to the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM). This coding system has been updated annually since 1986. Medical data for 1970 for discharges are coded according to the *International Classification of Diseases, 8th Revision*. For 1980 to 1991, a maximum of seven diagnoses and four procedures were coded for each medical record in the sample. For 1970, a maximum of five diagnostic codes and three codes for surgical operations and treatments were assigned for each medical record in the sample. Although diagnoses included in the ICD-9-CM section titled "Supplementary classification of external causes of injury and poisoning" (coded E800-E999) are collected in the NHDS, these diagnoses are excluded from the report. The conditions diagnosed and procedures performed are presented by major diagnostic and procedure groups of the ICD-9-CM. Within these groups, some specific categories were selected for presentation because of large frequencies or because they are of special interest for the elderly population. More detailed data are presented in other reports in series 13 of the *Vital and Health Statistics* reports.

Definition of terms

General terms

Familiarity with the definitions used in NHDS is important for interpreting the data and for making comparisons with statistical data on short-stay hospital utilization that are available from other sources.

Short-stay hospitals—Those in which the average length of stay is less than 30 days. The American Hospital Association and National Master Facility Inventory define short-term hospitals as hospitals in which more than one-half the patients are admitted to units with an average length of stay of less than 30 days, and long-term hospitals as ones in which

more than one-half the patients are admitted to units with an average length of stay of 30 days or more. Beginning in 1988, hospitals whose specialty is general (medical or surgical) or children's general are also included, even if the average length of stay of all patients in the hospital is 30 days or more. However, the term "short-stay" will continue to be used because 98 percent of hospitals in the NHDS universe fall into this category. Federal hospitals, hospital units of institutions, and hospitals with fewer than six beds staffed for patient use are not included.

Patient—A person who is formally admitted to the inpatient service of a short-stay hospital for observation, care, diagnosis, or treatment. The terms "patient" and "inpatient" are used synonymously.

Newborn infant—A patient admitted by birth to a hospital.

Discharge—The formal release of a patient by a hospital, that is, the termination of a period of hospitalization by death or by departure to place of residence, nursing home, or another hospital.

Discharge rate—The ratio of the number of hospital discharges during a year to the number of persons in the civilian population on July 1 of that year.

Days of care—The number of patient days accumulated at the time of discharge by a patient. A stay of less than 1 day (patient admission and discharge on the same day) is counted as 1 day in the summation of total days of care. For patients admitted and discharged on different days, the number of days of care is computed by counting all days from (and including) the date of admission to (but not including) the date of discharge.

Average length of stay—The number of days of care accumulated by patients discharged during the year divided by the number of these patients.

Diagnoses

Diagnosis—A disease or injury (or factor that influences health status and contact with health services but is not itself a current illness or injury) listed on the medical record of a patient.

First-listed diagnosis—The diagnosis identified as the principal diagnosis or listed first on the face sheet or discharge summary of the medical record if the principal diagnosis cannot be identified. The number of first-listed diagnoses is equivalent to the number of discharges.

Procedures

Procedure—A surgical or nonsurgical operation, diagnostic procedure, or special treatment assigned by the physician and recorded on the medical record of patients discharged from the inpatient service of short-stay hospitals. All terms listed on the face sheet of the medical record under captions such as “operation,” “operative procedures,” and “operations and/or special treatments” are transcribed in the order listed. A maximum of four four-digit ICD-9-CM codes are assigned per discharge. In accordance with ICD-9-CM coding, procedures are classified as diagnostic and other nonsurgical procedures or as surgical procedures.

Inpatients discharged from short-stay hospitals had an estimated 20.5 million nonsurgical procedures in 1991 (5). In 1990, only 17.5 million nonsurgical procedures were reported. The main reason for this increase was that 1991 was the first year in which all ICD-9-CM procedure codes were used in the NHDS. In previous years, selected codes were excluded for certain miscellaneous diagnostic therapeutic procedures. See appendix II for the list of surgical and diagnostic or other nonsurgical procedures used in this study.

All-listed procedures—The number of procedures on the face sheet of the medical record. In the NHDS, a maximum of four procedures are coded for the years 1980-91.

Surgical operations—All ICD-9-CM procedures except those listed under “nonsurgical procedures” are listed as surgical operations. Selected surgical operations are listed with their ICD-9-CM codes in appendix II. In 1989 the list of surgical operations was revised, and certain procedures previously classified as surgical were reclassified as diagnostic and other nonsurgical. The American

Hospital Association defines surgery as a surgical episode in the operating or procedure room. During a single episode, multiple surgical procedures may be performed.

Diagnostic and other nonsurgical procedures—Procedures generally not considered to be surgery are listed as diagnostic and other nonsurgical procedures. These include diagnostic endoscopy and radiography, radiotherapy and related therapies, physical medicine and rehabilitation, and other nonsurgical procedures. In 1989, the list of nonsurgical procedures was revised to include selected procedures previously classified as surgical. Selected diagnostic and other nonsurgical procedures are listed with their ICD-9-CM code numbers in appendix II. In addition, prior to 1991, selected diagnostic and other nonsurgical procedures were not coded in the NHDS. See appendix II for a listing of those procedures. For further discussion, see Graves (5).

Rate of procedures—The ratio of the number of procedures during the year to the number of persons in the civilian population on July 1 of that year.

International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) This is based on and is completely compatible with the *International Classification of Diseases, Ninth Revision*. The ninth revision is used to code mortality data (mortality section), and ICD-9-CM is used to code morbidity data. Diagnostic groupings and surgical groupings and their respective code number inclusions are shown in appendix II.

Discussion

In 1991, 31.1 million discharges, excluding newborn infants, and 199.1 million hospital days were reported for patients treated in short-stay non-Federal hospitals in the United States, according to data from the NHDS (5). Persons 65 years of age and over accounted for 35 percent of the discharges and 47 percent of the days of care.

Average lengths of stay in U.S. short-stay hospitals have been declining since the 1960's. The average length of stay for discharges 65-74, 75-84,

and 85 years of age and over decreased between 1970 and 1991 (figure 1). In 1970, for discharges 85 years of age and over, the average length of stay was 13.8 days. By 1991, it was reduced to 9.2 days. Similar reductions in lengths of stay are seen for those 65–74 and 75–84 years of age.

Fractures of all sites, and especially hip fractures, increase in importance as the population ages. The diagnosis of hip fracture is associated with a relatively long hospital stay compared with other diagnoses. However, the average length of stay for discharges with hip fracture decreased dramatically from 1970 to 1991 (figure 2). For discharges 75–84 years of age in particular, there was a decrease in length of stay of 13.7 days.

The rate per 10,000 population of discharges 75–84 years of age with a first-listed diagnosis of septicemia increased 3.5 times, from 18.5 to 65.6 between 1980 and 1991 (figure 3). Septicemia is of particular interest because for discharges 65 years of age and over, it was associated with a fatality rate of 20.2 deaths per 100 discharges in 1991, accounting for 32,000 deaths (5).

The rate of discharges with a first-listed diagnosis of heart disease increased for both males and females 65 years of age and over from 1970 to 1991 (figure 4). For males the rate increased from 570.9 to 865.2, and for females the rate increased from 462.3 to 661.3.

Figure 5 shows data on the rate of selected surgical and diagnostic procedures for discharges 65 years of age and over. The rate of total and partial hip replacement increased between 1980 and 1991 by 57 percent. The rates of both cardiac catheterization and endoscopy of the small intestine increased by more than 300 percent between 1980 and 1991. There was no change in the rate for endoscopy of the large intestine.

References

1. Simmons WR, Schnack GA. Development of the design of the NCHS Hospital Discharge Survey. National Center for Health Statistics. *Vital Health Stat* 2(39). 1977.
2. SMG Marketing Group, Inc. Hospital Market Database. Chicago, Illinois: Healthcare Information Specialists. 1987.
3. SMG Marketing Group, Inc. Hospital Market Database. Chicago, Illinois: Healthcare Information Specialists. 1991.
4. Graves EJ. National Hospital Discharge Survey: Annual Summary, 1990. National Center for Health Statistics. *Vital Health Stat* 13(112). 1992.
5. Graves EJ. National Hospital Discharge Survey: Annual Summary, 1991. National Center for Health Statistics. *Vital and Health Stat* 13(114). 1993.

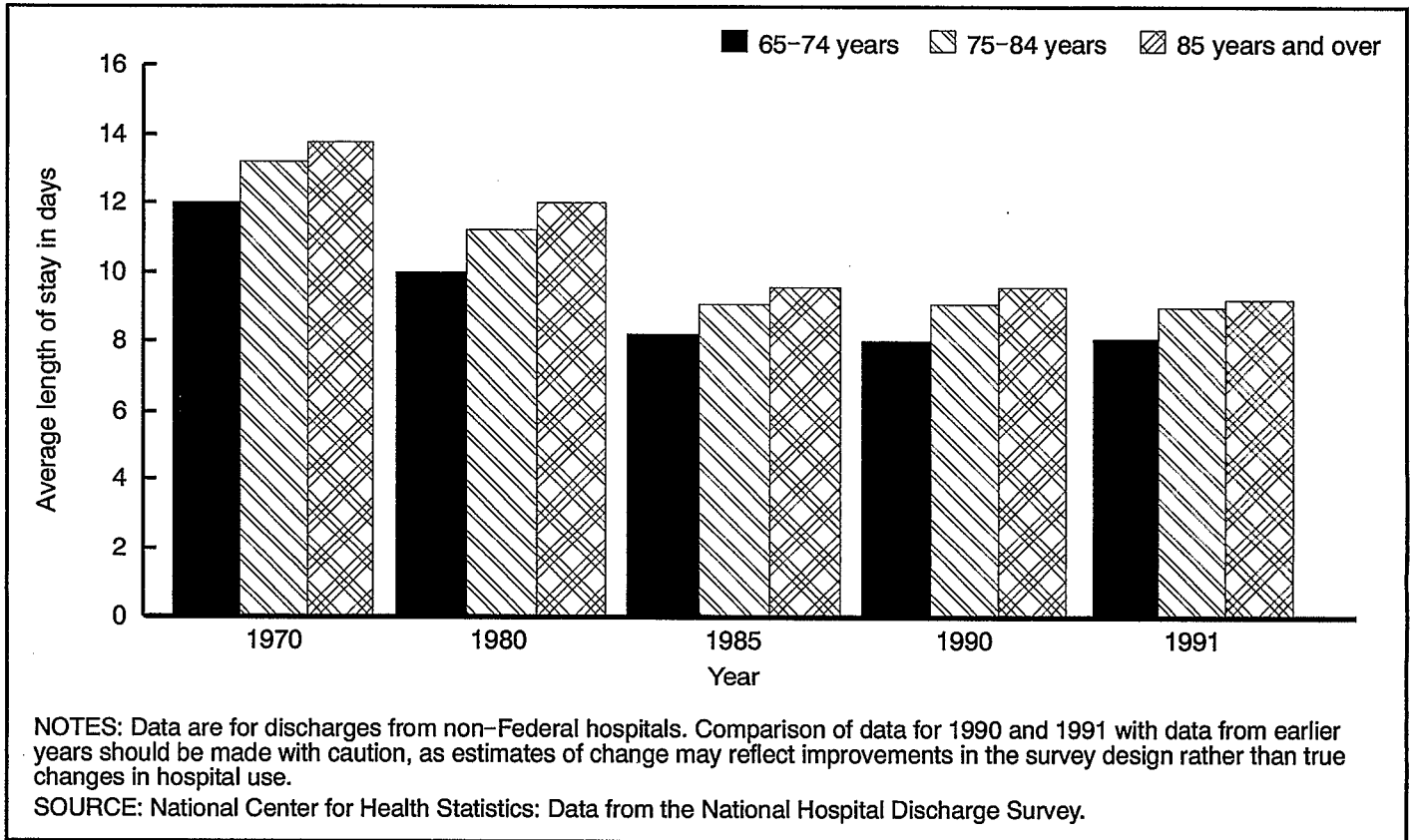


Figure 1. Average length of stay in days for discharges from short-stay hospitals, by age: United States, 1970-91

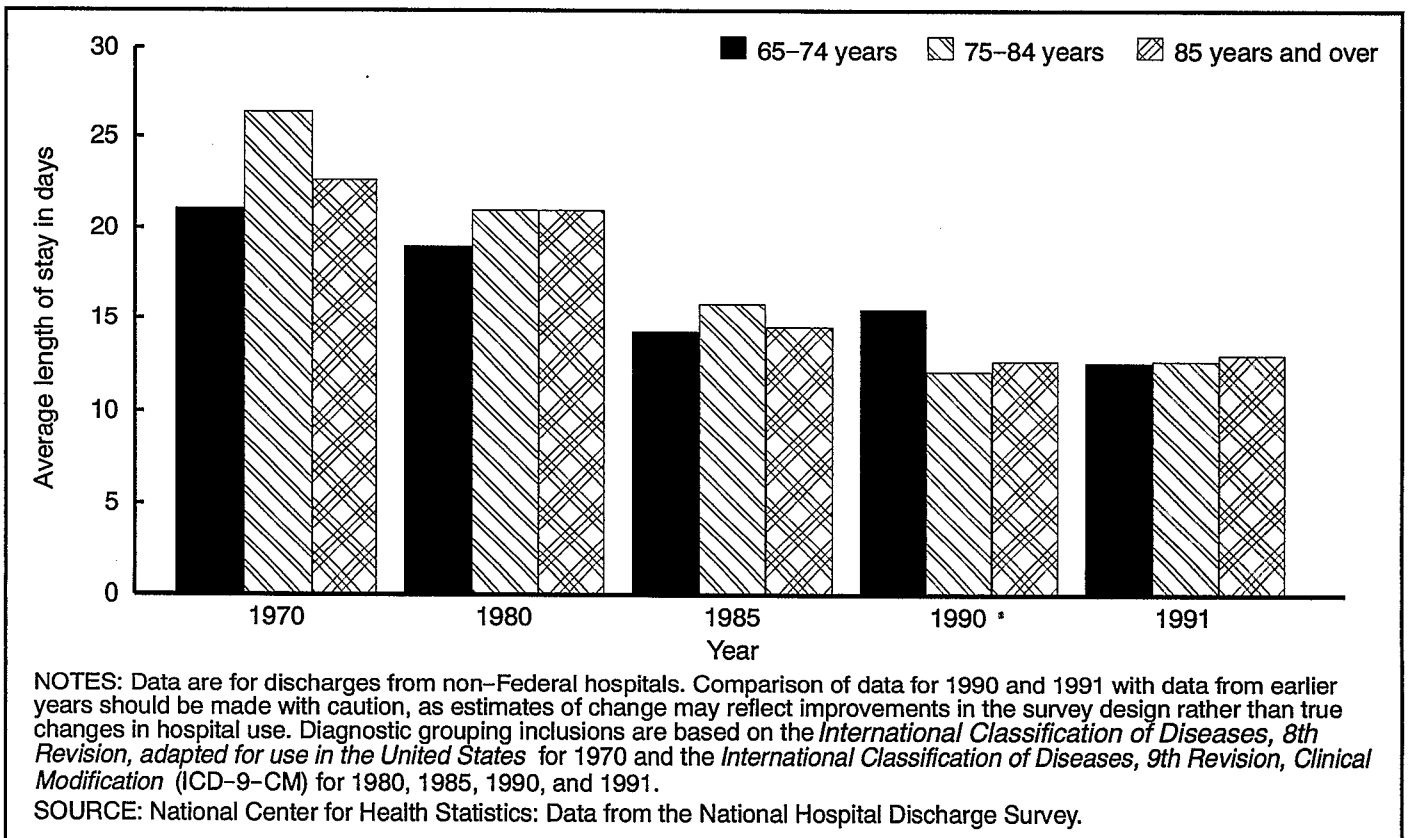


Figure 2. Average length of stay in days for discharges with hip fractures from short-stay hospitals, by age: United States, 1970-91

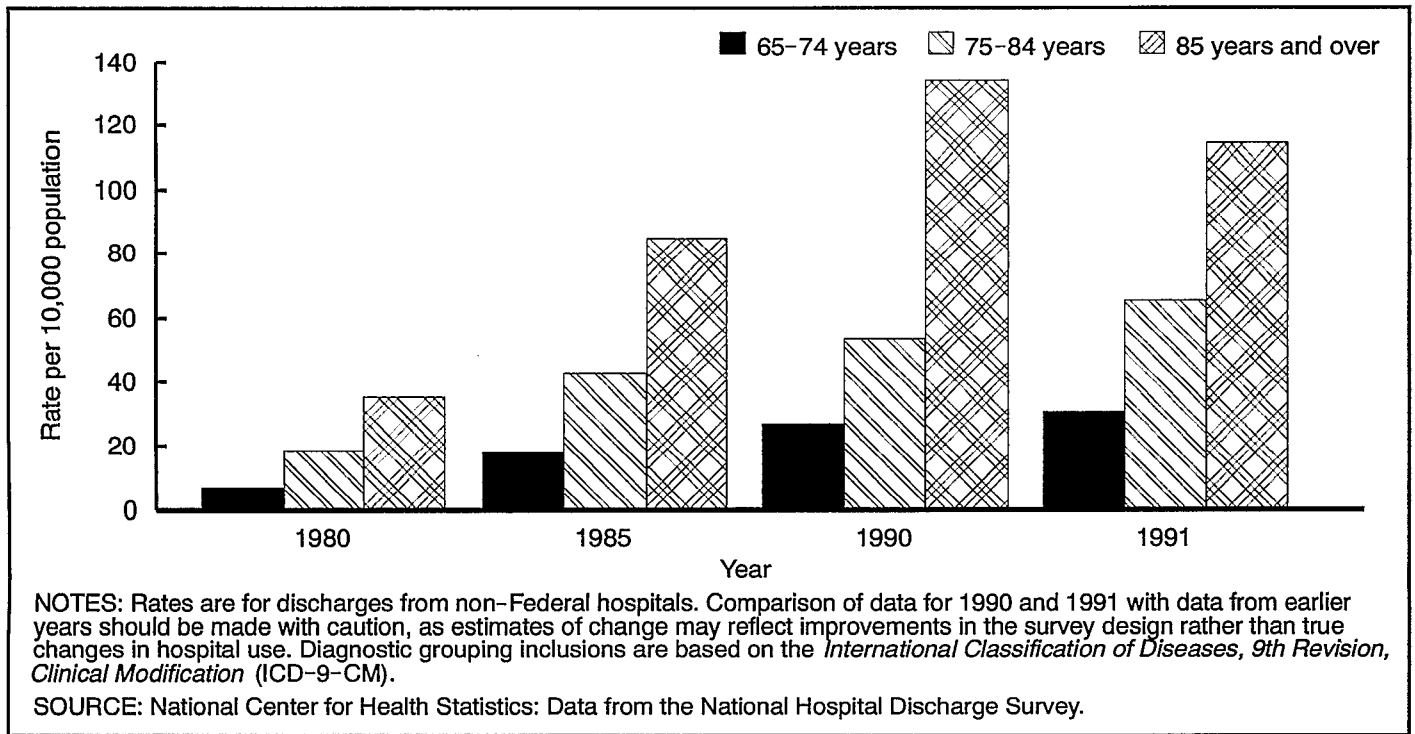


Figure 3. Rate of discharges from short-stay hospitals with a first-listed diagnosis of septicemia per 10,000 population, by age: United States, 1980–91

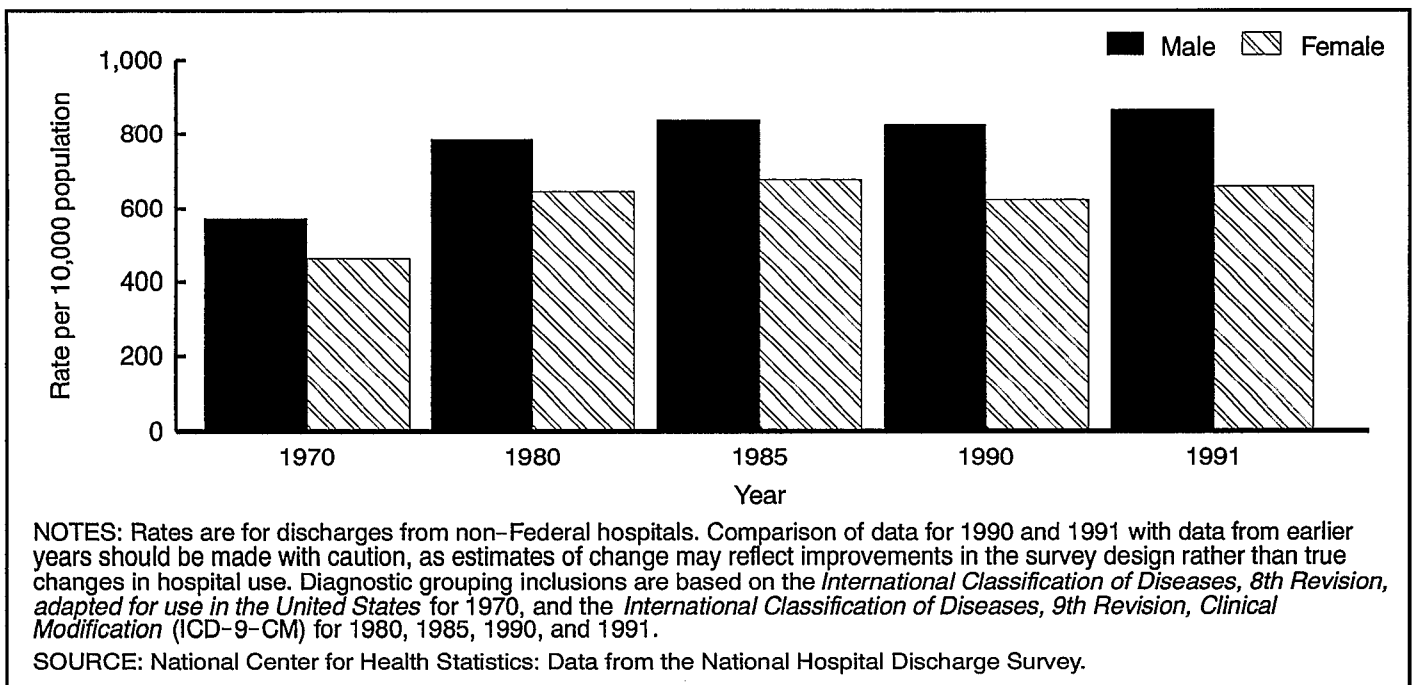


Figure 4. Rate of discharges 65 years of age and over from short-stay hospitals with a first-listed diagnosis of heart disease per 10,000 population, by sex: United States, 1970–91

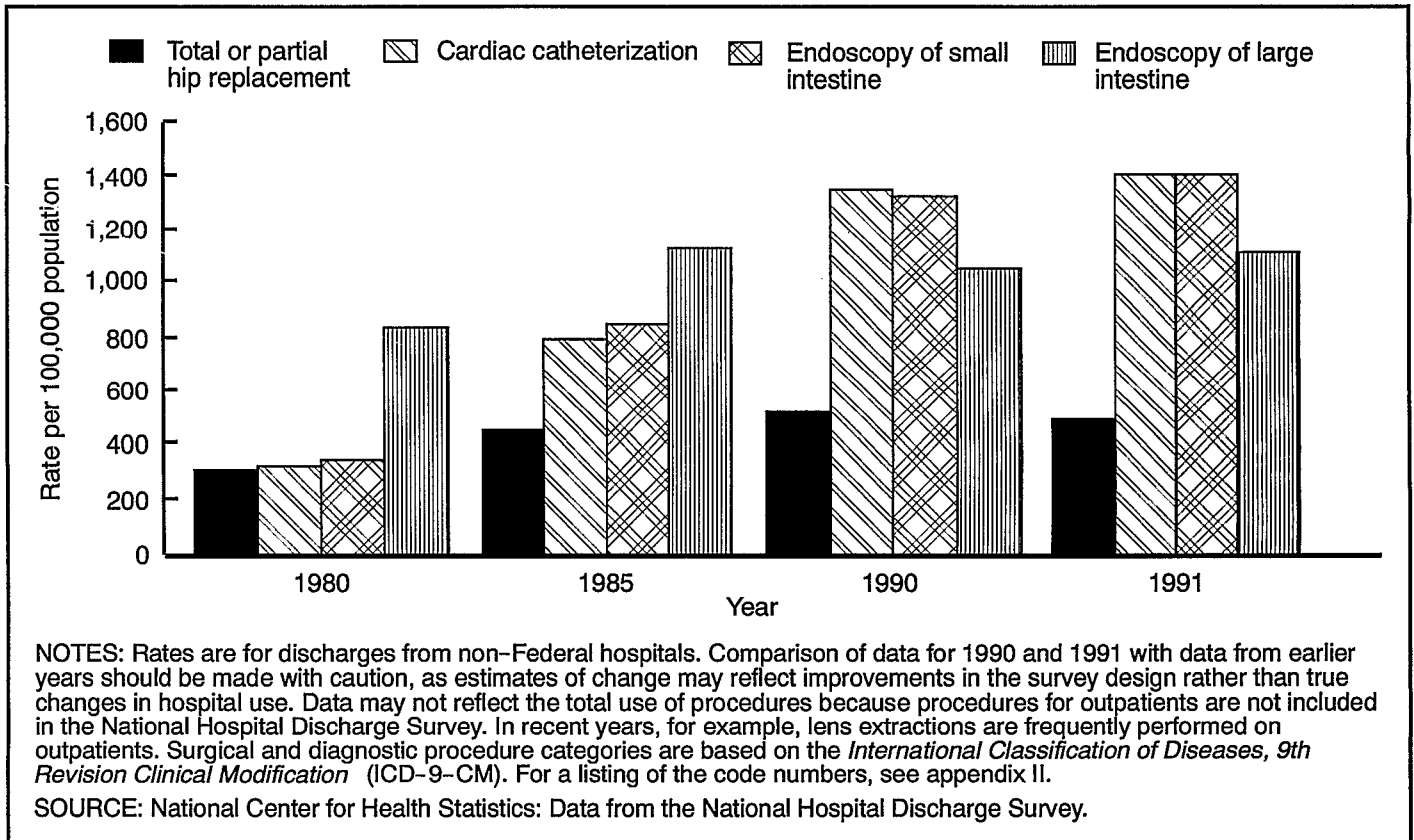


Figure 5. Rate of selected surgical and diagnostic procedures for discharges 65 years of age and over from short-stay hospitals per 100,000 population: United States, 1980-91

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-----------------------------------|-------------|-------------------------|-------------------------|
| Both sexes, all ages | | Number of discharges in thousands | | | |
| All conditions | 29,127 | 37,832 | 35,056 | 30,788 | 31,098 |
| Septicemia | --- | 59 | 149 | 216 | 240 |
| Malignant neoplasms | 1,142 | 1,873 | 1,911 | 1,571 | 1,594 |
| Malignant neoplasms of colon and rectum | 109 | 200 | 197 | 175 | 168 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 122 | 277 | 315 | 231 | 236 |
| Malignant neoplasms of the breast | 128 | 213 | 208 | 164 | 158 |
| Malignant neoplasms of the prostate | 65 | 127 | 135 | 103 | 128 |
| Diabetes mellitus | 436 | 645 | 480 | 420 | 429 |
| Volume depletion | --- | 100 | 239 | 319 | 329 |
| Heart disease | 1,869 | 3,201 | 3,584 | 3,556 | 3,704 |
| Acute myocardial infarction | 342 | 431 | 755 | 675 | 697 |
| Coronary atherosclerosis | --- | 562 | 304 | 410 | 384 |
| Other ischemic heart disease ² | 1,034 | 793 | 992 | 870 | 876 |
| Cardiac dysrhythmias | 112 | 389 | 511 | 483 | 536 |
| Congestive heart failure | 155 | 401 | 557 | 701 | 764 |
| Cerebrovascular disease | 519 | 796 | 916 | 812 | 835 |
| Pneumonia | 683 | 782 | 854 | 1,052 | 1,088 |
| Cholelithiasis | 396 | 458 | 474 | 506 | 552 |
| Urinary tract infection, site unspecified | 108 | 221 | 225 | 295 | 286 |
| Hyperplasia of the prostate | 214 | 276 | 246 | 259 | 229 |
| Arthropathies and related disorders | 365 | 543 | 465 | 479 | 526 |
| Injury and poisoning | 3,062 | 3,593 | 3,303 | 2,774 | 2,768 |
| Fractures, all sites | 1,077 | 1,163 | 1,129 | 1,017 | 1,034 |
| Hip fracture | 159 | 210 | 258 | 281 | 300 |
| Both sexes, 55–64 years | | | | | |
| All conditions | 3,274 | 4,685 | 4,312 | 3,412 | 3,378 |
| Septicemia | --- | * | 17 | 18 | 26 |
| Malignant neoplasms | 278 | 453 | 434 | 345 | 311 |
| Malignant neoplasms of colon and rectum | 29 | 45 | 45 | 43 | 26 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 42 | 86 | 92 | 72 | 68 |
| Malignant neoplasms of the breast | 32 | 57 | 47 | 33 | 31 |
| Malignant neoplasms of the prostate | 11 | 22 | 21 | 16 | 21 |
| Diabetes mellitus | 95 | 146 | 92 | 73 | 70 |
| Volume depletion | --- | * | 23 | 31 | 26 |
| Heart disease | 414 | 705 | 761 | 691 | 696 |
| Acute myocardial infarction | 97 | 110 | 174 | 140 | 139 |
| Coronary atherosclerosis | --- | 125 | 86 | 120 | 111 |
| Other ischemic heart disease ² | 216 | 237 | 255 | 192 | 192 |
| Cardiac dysrhythmias | 26 | 76 | 87 | 87 | 86 |
| Congestive heart failure | 25 | 45 | 69 | 79 | 89 |
| Cerebrovascular disease | 84 | 126 | 142 | 111 | 103 |
| Pneumonia | 67 | 85 | 93 | 90 | 86 |
| Cholelithiasis | 71 | 89 | 82 | 78 | 95 |
| Urinary tract infection, site unspecified | *9 | 21 | 18 | 21 | 23 |
| Hyperplasia of the prostate | 50 | 71 | 54 | 54 | 42 |
| Arthropathies and related disorders | 76 | 97 | 86 | 71 | 72 |
| Injury and poisoning | 280 | 301 | 317 | 251 | 250 |
| Fractures, all sites | 115 | 100 | 106 | 80 | 84 |
| Hip fracture | 14 | 14 | 19 | 16 | 20 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 65–74 years | | | | | |
| All conditions | 3,163 | 4,943 | 5,011 | 4,689 | 4,830 |
| Septicemia | --- | *11 | 31 | 49 | 56 |
| Malignant neoplasms | 298 | 523 | 566 | 436 | 486 |
| Malignant neoplasms of colon and rectum | 34 | 59 | 60 | 48 | 62 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 39 | 98 | 114 | 77 | 83 |
| Malignant neoplasms of the breast | 23 | 50 | 49 | 40 | 41 |
| Malignant neoplasms of the prostate | 27 | 49 | 49 | 40 | 54 |
| Diabetes mellitus | 101 | 138 | 96 | 93 | 88 |
| Volume depletion | --- | 18 | 38 | 47 | 52 |
| Heart disease | 491 | 854 | 983 | 1,000 | 1,063 |
| Acute myocardial infarction | 87 | 136 | 212 | 185 | 195 |
| Coronary atherosclerosis | --- | 144 | 81 | 132 | 127 |
| Other ischemic heart disease ² | 290 | 202 | 285 | 259 | 262 |
| Cardiac dysrhythmias | 24 | 106 | 134 | 124 | 159 |
| Congestive heart failure | 46 | 121 | 149 | 182 | 201 |
| Cerebrovascular disease | 161 | 240 | 279 | 222 | 231 |
| Pneumonia | 84 | 123 | 144 | 173 | 199 |
| Cholelithiasis | 65 | 81 | 80 | 79 | 99 |
| Urinary tract infection, site unspecified | 15 | 34 | 39 | 54 | 50 |
| Hyperplasia of the prostate | 84 | 114 | 99 | 113 | 97 |
| Arthropathies and related disorders | 76 | 93 | 102 | 137 | 155 |
| Injury and poisoning | 236 | 283 | 305 | 318 | 331 |
| Fractures, all sites | 117 | 124 | 121 | 120 | 116 |
| Hip fracture | 32 | 41 | 43 | 48 | 43 |
| Both sexes, 75–84 years | | | | | |
| All conditions | 2,099 | 3,611 | 3,969 | 3,949 | 4,136 |
| Septicemia | --- | 14 | 38 | 54 | 68 |
| Malignant neoplasms | 179 | 319 | 338 | 300 | 315 |
| Malignant neoplasms of colon and rectum | 21 | 50 | 47 | 49 | 46 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 16 | 39 | 49 | 36 | 35 |
| Malignant neoplasms of the breast | 16 | 29 | 24 | 24 | 27 |
| Malignant neoplasms of the prostate | 20 | 41 | 52 | 37 | 38 |
| Diabetes mellitus | 58 | 86 | 60 | 44 | 55 |
| Volume depletion | --- | 25 | 60 | 67 | 80 |
| Heart disease | 402 | 694 | 804 | 865 | 912 |
| Acute myocardial infarction | 62 | 80 | 168 | 156 | 166 |
| Coronary atherosclerosis | --- | 149 | 55 | 55 | 55 |
| Other ischemic heart disease ² | 244 | 104 | 167 | 171 | 191 |
| Cardiac dysrhythmias | 15 | 85 | 137 | 133 | 149 |
| Congestive heart failure | 49 | 136 | 187 | 255 | 256 |
| Cerebrovascular disease | 154 | 234 | 294 | 258 | 274 |
| Pneumonia | 66 | 113 | 159 | 223 | 229 |
| Cholelithiasis | 31 | 43 | 60 | 48 | 53 |
| Urinary tract infection, site unspecified | 13 | 37 | 59 | 86 | 77 |
| Hyperplasia of the prostate | 48 | 63 | 66 | 69 | 69 |
| Arthropathies and related disorders | 43 | 71 | 66 | 83 | 91 |
| Injury and poisoning | 193 | 267 | 315 | 340 | 348 |
| Fractures, all sites | 121 | 152 | 180 | 195 | 197 |
| Hip fracture | 55 | 78 | 101 | 115 | 117 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 65 years and over | | | | | |
| All conditions | 5,897 | 9,864 | 10,508 | 10,333 | 10,806 |
| Septicemia | --- | 33 | 91 | 144 | 159 |
| Malignant neoplasms | 520 | 921 | 991 | 812 | 883 |
| Malignant neoplasms of colon and rectum | 63 | 123 | 127 | 112 | 124 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 57 | 142 | 169 | 119 | 125 |
| Malignant neoplasms of the breast | 43 | 86 | 81 | 72 | 73 |
| Malignant neoplasms of the prostate | 52 | 101 | 111 | 85 | 103 |
| Diabetes mellitus | 170 | 242 | 171 | 153 | 160 |
| Volume depletion | --- | 65 | 143 | 171 | 189 |
| Heart disease | 1,021 | 1,808 | 2,111 | 2,200 | 2,361 |
| Acute myocardial infarction | 162 | 238 | 436 | 401 | 424 |
| Coronary atherosclerosis | --- | 352 | 157 | 193 | 190 |
| Other ischemic heart disease ² | 613 | 329 | 501 | 492 | 514 |
| Cardiac dysrhythmias | 45 | 225 | 324 | 308 | 361 |
| Congestive heart failure | 114 | 325 | 446 | 560 | 615 |
| Cerebrovascular disease | 372 | 585 | 686 | 610 | 640 |
| Pneumonia | 185 | 305 | 400 | 546 | 589 |
| Cholelithiasis | 105 | 138 | 157 | 145 | 168 |
| Urinary tract infection, site unspecified | 33 | 91 | 130 | 205 | 186 |
| Hyperplasia of the prostate | 145 | 188 | 179 | 195 | 180 |
| Arthropathies and related disorders | 131 | 181 | 183 | 237 | 261 |
| Injury and poisoning | 512 | 703 | 793 | 851 | 888 |
| Fractures, all sites | 294 | 375 | 419 | 448 | 452 |
| Hip fracture | 121 | 181 | 219 | 245 | 259 |
| Both sexes, 75 years and over | | | | | |
| All conditions | 2,734 | 4,921 | 5,497 | 5,644 | 5,976 |
| Septicemia | --- | 22 | 61 | 95 | 104 |
| Malignant neoplasms | 222 | 398 | 425 | 377 | 397 |
| Malignant neoplasms of colon and rectum | 29 | 64 | 68 | 64 | 62 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 18 | 44 | 56 | 42 | 42 |
| Malignant neoplasms of the breast | 19 | 36 | 31 | 33 | 32 |
| Malignant neoplasms of the prostate | 25 | 52 | 62 | 45 | 48 |
| Diabetes mellitus | 69 | 105 | 75 | 60 | 71 |
| Volume depletion | --- | 48 | 105 | 124 | 137 |
| Heart disease | 530 | 954 | 1,128 | 1,199 | 1,298 |
| Acute myocardial infarction | 75 | 102 | 224 | 216 | 229 |
| Coronary atherosclerosis | --- | 208 | 75 | 61 | 64 |
| Other ischemic heart disease ² | 323 | 128 | 216 | 232 | 252 |
| Cardiac dysrhythmias | 21 | 119 | 190 | 184 | 202 |
| Congestive heart failure | 68 | 204 | 297 | 378 | 413 |
| Cerebrovascular disease | 211 | 344 | 407 | 388 | 409 |
| Pneumonia | 101 | 183 | 256 | 273 | 390 |
| Cholelithiasis | 40 | 57 | 76 | 66 | 69 |
| Urinary tract infection, site unspecified | 18 | 57 | 91 | 151 | 136 |
| Hyperplasia of the prostate | 61 | 74 | 80 | 82 | 83 |
| Arthropathies and related disorders | 55 | 88 | 81 | 100 | 107 |
| Injury and poisoning | 276 | 420 | 487 | 533 | 557 |
| Fractures, all sites | 177 | 251 | 298 | 328 | 336 |
| Hip fracture | 88 | 140 | 176 | 197 | 215 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 85 years and over | | | | | |
| All conditions | 635 | 1,310 | 1,528 | 1,694 | 1,840 |
| Septicemia | --- | *8 | 23 | 41 | 36 |
| Malignant neoplasms | 42 | 79 | 87 | 77 | 82 |
| Malignant neoplasms of colon and rectum | *8 | 14 | 21 | 14 | 16 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | *7 | *6 | *7 |
| Malignant neoplasms of the breast | * | *7 | *7 | *9 | *5 |
| Malignant neoplasms of the prostate | *5 | *11 | *10 | 7 | 10 |
| Diabetes mellitus | 11 | 19 | 15 | 16 | 16 |
| Volume depletion | --- | 23 | 44 | 57 | 57 |
| Heart disease | 128 | 260 | 324 | 335 | 386 |
| Acute myocardial infarction | 14 | 22 | 56 | 60 | 63 |
| Coronary atherosclerosis | --- | 59 | 20 | *6 | *9 |
| Other ischemic heart disease ² | 79 | 24 | 49 | 61 | 60 |
| Cardiac dysrhythmias | *6 | 34 | 54 | 51 | 53 |
| Congestive heart failure | 19 | 68 | 109 | 123 | 157 |
| Cerebrovascular disease | 57 | 111 | 113 | 129 | 134 |
| Pneumonia | 35 | 70 | 98 | 150 | 161 |
| Cholelithiasis | *8 | 13 | 16 | 18 | 16 |
| Urinary tract infection, site unspecified | * | 20 | 32 | 65 | 59 |
| Hyperplasia of the prostate | 12 | *10 | 14 | 13 | 14 |
| Arthropathies and related disorders | 12 | 17 | 15 | 17 | 16 |
| Injury and poisoning | 83 | 153 | 172 | 193 | 209 |
| Fractures, all sites | 56 | 99 | 117 | 133 | 140 |
| Hip fracture | 33 | 62 | 76 | 82 | 98 |
| Male, all ages | | | | | |
| All conditions | 11,431 | 15,145 | 14,160 | 12,280 | 12,478 |
| Septicemia | --- | 28 | 64 | 99 | 103 |
| Malignant neoplasms | 525 | 878 | 892 | 730 | 781 |
| Malignant neoplasms of colon and rectum | 56 | 91 | 93 | 85 | 86 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 95 | 193 | 206 | 141 | 147 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 65 | 127 | 135 | 103 | 128 |
| Diabetes mellitus | 163 | 245 | 194 | 190 | 185 |
| Volume depletion | --- | 35 | 93 | 127 | 121 |
| Heart disease | 1,015 | 1,688 | 1,910 | 1,913 | 1,977 |
| Acute myocardial infarction | 232 | 272 | 466 | 413 | 422 |
| Coronary atherosclerosis | --- | 303 | 190 | 277 | 263 |
| Other ischemic heart disease ² | 547 | 474 | 549 | 465 | 461 |
| Cardiac dysrhythmias | 54 | 185 | 244 | 244 | 249 |
| Congestive heart failure | 80 | 176 | 247 | 315 | 360 |
| Cerebrovascular disease | 241 | 371 | 416 | 359 | 370 |
| Pneumonia | 360 | 414 | 433 | 530 | 545 |
| Cholelithiasis | 98 | 115 | 140 | 132 | 159 |
| Urinary tract infection, site unspecified | 31 | 61 | 77 | 94 | 106 |
| Hyperplasia of the prostate | 214 | 276 | 246 | 259 | 229 |
| Arthropathies and related disorders | 139 | 215 | 188 | 197 | 228 |
| Injury and poisoning | 1,721 | 2,025 | 1,800 | 1,476 | 1,437 |
| Fractures, all sites | 565 | 582 | 550 | 466 | 481 |
| Hip fracture | 40 | 52 | 62 | 72 | 80 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 55–64 years | | | | | |
| All conditions | 1,644 | 2,322 | 2,179 | 1,754 | 1,724 |
| Septicemia | --- | * | *9 | 7 | 10 |
| Malignant neoplasms | 134 | 206 | 208 | 166 | 161 |
| Malignant neoplasms of colon and rectum | 16 | 22 | 24 | 28 | 14 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 33 | 56 | 53 | 41 | 43 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 11 | 22 | 21 | 16 | 21 |
| Diabetes mellitus | 38 | 58 | 40 | 34 | 30 |
| Volume depletion | --- | * | *11 | 13 | 11 |
| Heart disease | 260 | 440 | 481 | 431 | 445 |
| Acute myocardial infarction | 72 | 80 | 125 | 92 | 100 |
| Coronary atherosclerosis | --- | 88 | 62 | 85 | 84 |
| Other ischemic heart disease ² | 136 | 152 | 158 | 117 | 118 |
| Cardiac dysrhythmias | 13 | 42 | 50 | 55 | 48 |
| Congestive heart failure | 15 | 25 | 38 | 46 | 56 |
| Cerebrovascular disease | 45 | 68 | 80 | 61 | 57 |
| Pneumonia | 34 | 42 | 44 | 48 | 40 |
| Cholelithiasis | 22 | 31 | 26 | 23 | 33 |
| Urinary tract infection, site unspecified | * | * | *8 | 11 | 12 |
| Hyperplasia of the prostate | 50 | 71 | 54 | 54 | 42 |
| Arthropathies and related disorders | 31 | 31 | 31 | 29 | 31 |
| Injury and poisoning | 140 | 155 | 157 | 133 | 127 |
| Fractures, all sites | 49 | 38 | 42 | 35 | 37 |
| Hip fracture | * | * | * | *10 | *8 |
| Male, 65–74 years | | | | | |
| All conditions | 1,512 | 2,358 | 2,389 | 2,268 | 2,352 |
| Septicemia | --- | *6 | 12 | 27 | 27 |
| Malignant neoplasms | 167 | 283 | 285 | 222 | 261 |
| Malignant neoplasms of colon and rectum | 17 | 27 | 29 | 24 | 36 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 32 | 76 | 79 | 50 | 49 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 27 | 49 | 49 | 40 | 54 |
| Diabetes mellitus | 32 | 44 | 31 | 34 | 29 |
| Volume depletion | --- | *8 | 17 | 18 | 19 |
| Heart disease | 248 | 437 | 513 | 547 | 567 |
| Acute myocardial infarction | 50 | 80 | 129 | 110 | 118 |
| Coronary atherosclerosis | --- | 74 | 48 | 87 | 80 |
| Other ischemic heart disease ² | 145 | 106 | 140 | 133 | 129 |
| Cardiac dysrhythmias | 12 | 55 | 62 | 67 | 78 |
| Congestive heart failure | 23 | 58 | 72 | 90 | 99 |
| Cerebrovascular disease | 82 | 120 | 136 | 108 | 116 |
| Pneumonia | 47 | 69 | 79 | 88 | 101 |
| Cholelithiasis | 19 | 27 | 32 | 30 | 39 |
| Urinary tract infection, site unspecified | *7 | 13 | 18 | 17 | 22 |
| Hyperplasia of the prostate | 84 | 114 | 99 | 113 | 97 |
| Arthropathies and related disorders | 26 | 27 | 35 | 48 | 53 |
| Injury and poisoning | 90 | 111 | 118 | 139 | 145 |
| Fractures, all sites | 35 | 35 | 33 | 36 | 39 |
| Hip fracture | *8 | 13 | *10 | 12 | 14 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 75–84 years | | | | | |
| All conditions | 908 | 1,471 | 1,657 | 1,660 | 1,749 |
| Septicemia | --- | *6 | 17 | 24 | 27 |
| Malignant neoplasms | 94 | 159 | 189 | 158 | 155 |
| Malignant neoplasms of colon and rectum | 11 | 21 | 23 | 20 | 21 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13 | 28 | 36 | 22 | 24 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 20 | 41 | 52 | 37 | 38 |
| Diabetes mellitus | 17 | 27 | 21 | 17 | 20 |
| Volume depletion | --- | *7 | 21 | 26 | 30 |
| Heart disease | 183 | 290 | 339 | 377 | 411 |
| Acute myocardial infarction | 33 | 34 | 77 | 83 | 80 |
| Coronary atherosclerosis | --- | 59 | 25 | 29 | 29 |
| Other ischemic heart disease ² | 105 | 50 | 64 | 65 | 79 |
| Cardiac dysrhythmias | *7 | 37 | 57 | 58 | 61 |
| Congestive heart failure | 23 | 56 | 81 | 104 | 120 |
| Cerebrovascular disease | 62 | 96 | 118 | 104 | 108 |
| Pneumonia | 33 | 55 | 81 | 112 | 115 |
| Cholelithiasis | 10 | 16 | 24 | 20 | 20 |
| Urinary tract infection, site unspecified | *7 | 14 | 22 | 25 | 29 |
| Hyperplasia of the prostate | 48 | 63 | 66 | 69 | 69 |
| Arthropathies and related disorders | *9 | 18 | 20 | 26 | 32 |
| Injury and poisoning | 54 | 71 | 93 | 96 | 106 |
| Fractures, all sites | 27 | 29 | 38 | 35 | 41 |
| Hip fracture | 12 | 16 | 21 | 20 | 26 |
| Male, 65 years and over | | | | | |
| All conditions | 2,667 | 4,268 | 4,533 | 4,472 | 4,708 |
| Septicemia | --- | 15 | 35 | 63 | 66 |
| Malignant neoplasms | 281 | 481 | 512 | 411 | 455 |
| Malignant neoplasms of colon and rectum | 31 | 55 | 57 | 49 | 62 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 46 | 107 | 121 | 75 | 77 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 52 | 101 | 111 | 85 | 103 |
| Diabetes mellitus | 54 | 77 | 57 | 56 | 52 |
| Volume depletion | --- | 22 | 49 | 61 | 65 |
| Heart disease | 480 | 814 | 953 | 1,036 | 1,107 |
| Acute myocardial infarction | 91 | 124 | 226 | 216 | 225 |
| Coronary atherosclerosis | --- | 153 | 79 | 120 | 112 |
| Other ischemic heart disease ² | 278 | 164 | 220 | 221 | 227 |
| Cardiac dysrhythmias | 20 | 101 | 138 | 140 | 156 |
| Congestive heart failure | 55 | 136 | 184 | 233 | 268 |
| Cerebrovascular disease | 164 | 253 | 289 | 247 | 263 |
| Pneumonia | 97 | 156 | 199 | 264 | 286 |
| Cholelithiasis | 33 | 45 | 60 | 55 | 63 |
| Urinary tract infection, site unspecified | 17 | 34 | 50 | 62 | 67 |
| Hyperplasia of the prostate | 145 | 188 | 179 | 195 | 180 |
| Arthropathies and related disorders | 38 | 48 | 58 | 80 | 88 |
| Injury and poisoning | 163 | 217 | 247 | 283 | 297 |
| Fractures, all sites | 73 | 80 | 91 | 99 | 107 |
| Hip fracture | 26 | 39 | 45 | 51 | 59 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 75 years and over | | | | | |
| All conditions | 1,155 | 1,910 | 2,144 | 2,203 | 2,356 |
| Septicemia | --- | *9 | 23 | 36 | 39 |
| Malignant neoplasms | 114 | 198 | 227 | 190 | 194 |
| Malignant neoplasms of colon and rectum | 14 | 28 | 28 | 25 | 27 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 15 | 31 | 42 | 25 | 28 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 25 | 52 | 62 | 45 | 48 |
| Diabetes mellitus | 21 | 33 | 26 | 21 | 24 |
| Volume depletion | --- | 14 | 32 | 43 | 47 |
| Heart disease | 232 | 377 | 440 | 489 | 540 |
| Acute myocardial infarction | 41 | 44 | 97 | 106 | 106 |
| Coronary atherosclerosis | --- | 80 | 31 | 32 | 32 |
| Other ischemic heart disease ² | 133 | 58 | 80 | 88 | 98 |
| Cardiac dysrhythmias | *9 | 46 | 76 | 74 | 78 |
| Congestive heart failure | 32 | 78 | 113 | 143 | 169 |
| Cerebrovascular disease | 83 | 133 | 154 | 139 | 147 |
| Pneumonia | 51 | 87 | 120 | 175 | 184 |
| Cholelithiasis | 14 | 17 | 28 | 25 | 24 |
| Urinary tract infection, site unspecified | *9 | 21 | 32 | 45 | 45 |
| Hyperplasia of the prostate | 61 | 74 | 80 | 82 | 83 |
| Arthropathies and related disorders | 12 | 21 | 23 | 32 | 35 |
| Injury and poisoning | 73 | 106 | 129 | 144 | 152 |
| Fractures, all sites | 38 | 45 | 58 | 63 | 68 |
| Hip fracture | 18 | 26 | 34 | 39 | 45 |
| Male, 85 years and over | | | | | |
| All conditions | 247 | 439 | 488 | 543 | 607 |
| Septicemia | --- | * | *7 | 12 | 12 |
| Malignant neoplasms | 20 | 39 | 38 | 31 | 40 |
| Malignant neoplasms of colon and rectum | * | *8 | *5 | *5 | *6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | *5 | *11 | *10 | 7 | 10 |
| Diabetes mellitus | * | *5 | * | * | * |
| Volume depletion | --- | *7 | 11 | 17 | 16 |
| Heart disease | 49 | 87 | 101 | 112 | 128 |
| Acute myocardial infarction | *8 | *10 | 20 | 23 | 26 |
| Coronary atherosclerosis | --- | 20 | * | * | * |
| Other ischemic heart disease ² | 28 | *7 | 16 | 23 | 19 |
| Cardiac dysrhythmias | * | *9 | 19 | 16 | 17 |
| Congestive heart failure | *9 | 22 | 32 | 38 | 49 |
| Cerebrovascular disease | 21 | 37 | 36 | 35 | 39 |
| Pneumonia | 18 | 31 | 40 | 64 | 69 |
| Cholelithiasis | * | * | * | *6 | *4 |
| Urinary tract infection, site unspecified | * | *7 | *10 | 20 | 17 |
| Hyperplasia of the prostate | 12 | *10 | 14 | 13 | 14 |
| Arthropathies and related disorders | * | * | * | * | * |
| Injury and poisoning | 19 | 35 | 36 | 48 | 46 |
| Fractures, all sites | 11 | 16 | 20 | 28 | 27 |
| Hip fracture | *7 | 10 | 14 | 19 | 19 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| <i>Female, all ages</i> | | | | | |
| All conditions | 17,696 | 22,686 | 20,896 | 18,508 | 18,620 |
| Septicemia | --- | 32 | 85 | 116 | 137 |
| Malignant neoplasms | 617 | 994 | 1,019 | 841 | 812 |
| Malignant neoplasms of colon and rectum | 54 | 109 | 104 | 90 | 82 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 27 | 84 | 110 | 90 | 89 |
| Malignant neoplasms of the breast | 126 | 212 | 207 | 163 | 156 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 273 | 400 | 286 | 230 | 245 |
| Volume depletion | --- | 65 | 147 | 192 | 208 |
| Heart disease | 854 | 1,513 | 1,674 | 1,643 | 1,727 |
| Acute myocardial infarction | 110 | 159 | 289 | 261 | 275 |
| Coronary atherosclerosis | --- | 259 | 114 | 133 | 121 |
| Other ischemic heart disease ² | 488 | 319 | 443 | 406 | 415 |
| Cardiac dysrhythmias | 59 | 204 | 267 | 239 | 287 |
| Congestive heart failure | 74 | 224 | 310 | 386 | 405 |
| Cerebrovascular disease | 279 | 425 | 500 | 452 | 466 |
| Pneumonia | 323 | 368 | 421 | 522 | 543 |
| Cholelithiasis | 298 | 342 | 334 | 374 | 393 |
| Urinary tract infection, site unspecified | 76 | 159 | 148 | 202 | 180 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 226 | 328 | 276 | 283 | 298 |
| Injury and poisoning | 1,342 | 1,568 | 1,503 | 1,298 | 1,331 |
| Fractures, all sites | 512 | 580 | 579 | 551 | 553 |
| Hip fracture | 119 | 158 | 196 | 209 | 219 |
| <i>Female, 55–64 years</i> | | | | | |
| All conditions | 1,630 | 2,363 | 2,132 | 1,658 | 1,654 |
| Septicemia | --- | * | *8 | 11 | 16 |
| Malignant neoplasms | 145 | 247 | 226 | 180 | 150 |
| Malignant neoplasms of colon and rectum | 13 | 23 | 21 | 14 | 12 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 10 | 30 | 39 | 31 | 25 |
| Malignant neoplasms of the breast | 32 | 56 | 47 | 33 | 30 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 57 | 88 | 51 | 39 | 40 |
| Volume depletion | --- | * | 12 | 18 | 15 |
| Heart disease | 154 | 264 | 281 | 260 | 251 |
| Acute myocardial infarction | 25 | 29 | 49 | 47 | 39 |
| Coronary atherosclerosis | --- | 38 | 24 | 35 | 28 |
| Other ischemic heart disease ² | 80 | 85 | 97 | 74 | 74 |
| Cardiac dysrhythmias | 13 | 34 | 37 | 33 | 39 |
| Congestive heart failure | 10 | 20 | 31 | 34 | 34 |
| Cerebrovascular disease | 39 | 59 | 62 | 51 | 46 |
| Pneumonia | 33 | 43 | 49 | 42 | 46 |
| Cholelithiasis | 49 | 58 | 56 | 55 | 63 |
| Urinary tract infection, site unspecified | * | 15 | *10 | 10 | 11 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 44 | 66 | 55 | 42 | 41 |
| Injury and poisoning | 140 | 146 | 160 | 118 | 123 |
| Fractures, all sites | 66 | 62 | 64 | 44 | 47 |
| Hip fracture | 11 | *9 | *13 | 7 | 11 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, 65–74 years | | | | | |
| All conditions | 1,651 | 2,585 | 2,623 | 2,421 | 2,478 |
| Septicemia | --- | * | 19 | 21 | 28 |
| Malignant neoplasms | 131 | 240 | 281 | 214 | 225 |
| Malignant neoplasms of colon and rectum | 17 | 32 | 31 | 24 | 26 |
| Malignant neoplasms of trachea, bronchus, and lung ... | *7 | 22 | 35 | 26 | 34 |
| Malignant neoplasms of the breast | 23 | 49 | 49 | 40 | 41 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 69 | 94 | 64 | 59 | 60 |
| Volume depletion | --- | *10 | 21 | 29 | 34 |
| Heart disease | 243 | 418 | 470 | 453 | 496 |
| Acute myocardial infarction | 37 | 56 | 82 | 75 | 76 |
| Coronary atherosclerosis | --- | 71 | 34 | 44 | 47 |
| Other ischemic heart disease ² | 144 | 95 | 146 | 126 | 133 |
| Cardiac dysrhythmias | 12 | 51 | 72 | 57 | 81 |
| Congestive heart failure | 23 | 63 | 78 | 92 | 102 |
| Cerebrovascular disease | 79 | 120 | 143 | 114 | 115 |
| Pneumonia | 37 | 54 | 65 | 85 | 98 |
| Cholelithiasis | 46 | 54 | 49 | 49 | 60 |
| Urinary tract infection, site unspecified | *8 | 20 | 21 | 37 | 28 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 50 | 66 | 67 | 89 | 101 |
| Injury and poisoning | 145 | 172 | 188 | 179 | 186 |
| Fractures, all sites | 82 | 89 | 88 | 85 | 77 |
| Hip fracture | 25 | 29 | 33 | 36 | 29 |
| Female, 75–84 years | | | | | |
| All conditions | 1,191 | 2,140 | 2,312 | 2,289 | 2,387 |
| Septicemia | --- | *8 | 22 | 30 | 41 |
| Malignant neoplasms | 86 | 160 | 149 | 142 | 161 |
| Malignant neoplasms of colon and rectum | 10 | 29 | 24 | 29 | 25 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 11 | 12 | 15 | 11 |
| Malignant neoplasms of the breast | 16 | 28 | 24 | 24 | 27 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 41 | 59 | 40 | 27 | 35 |
| Volume depletion | --- | 18 | 39 | 41 | 50 |
| Heart disease | 219 | 404 | 464 | 488 | 500 |
| Acute myocardial infarction | 29 | 46 | 92 | 73 | 86 |
| Coronary atherosclerosis | --- | 89 | 30 | 25 | 25 |
| Other ischemic heart disease ² | 139 | 53 | 102 | 107 | 113 |
| Cardiac dysrhythmias | *8 | 48 | 79 | 76 | 88 |
| Congestive heart failure | 26 | 80 | 106 | 150 | 137 |
| Cerebrovascular disease | 92 | 137 | 176 | 154 | 166 |
| Pneumonia | 33 | 58 | 78 | 111 | 114 |
| Cholelithiasis | 21 | 28 | 36 | 28 | 33 |
| Urinary tract infection, site unspecified | *6 | 23 | 37 | 61 | 48 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 34 | 53 | 46 | 57 | 59 |
| Injury and poisoning | 139 | 197 | 223 | 244 | 242 |
| Fractures, all sites | 94 | 122 | 142 | 161 | 155 |
| Hip fracture | 43 | 62 | 80 | 95 | 91 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| <i>Female, 65 years and over</i> | | | | | |
| All conditions | 3,230 | 5,596 | 5,975 | 5,861 | 6,098 |
| Septicemia | --- | 18 | 56 | 80 | 93 |
| Malignant neoplasms | 239 | 440 | 478 | 401 | 428 |
| Malignant neoplasms of colon and rectum | 32 | 68 | 70 | 63 | 62 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 11 | 35 | 48 | 44 | 48 |
| Malignant neoplasms of the breast | 42 | 85 | 80 | 72 | 73 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 117 | 166 | 114 | 97 | 107 |
| Volume depletion | --- | 43 | 94 | 109 | 124 |
| Heart disease | 541 | 995 | 1,158 | 1,164 | 1,254 |
| Acute myocardial infarction | 71 | 114 | 210 | 185 | 199 |
| Coronary atherosclerosis | --- | 199 | 78 | 73 | 79 |
| Other ischemic heart disease ² | 334 | 165 | 281 | 271 | 287 |
| Cardiac dysrhythmias | 25 | 124 | 186 | 167 | 205 |
| Congestive heart failure | 58 | 189 | 262 | 327 | 346 |
| Cerebrovascular disease | 208 | 331 | 396 | 362 | 377 |
| Pneumonia | 87 | 150 | 201 | 283 | 303 |
| Cholelithiasis | 73 | 93 | 97 | 90 | 105 |
| Urinary tract infection, site unspecified | 16 | 57 | 80 | 143 | 119 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 92 | 133 | 125 | 158 | 173 |
| Injury and poisoning | 348 | 486 | 546 | 568 | 591 |
| Fractures, all sites | 221 | 295 | 328 | 350 | 346 |
| Hip fracture | 94 | 143 | 175 | 194 | 199 |
| <i>Female, 75 years and over</i> | | | | | |
| All conditions | 1,579 | 3,011 | 3,352 | 3,440 | 3,620 |
| Septicemia | --- | 13 | 37 | 59 | 65 |
| Malignant neoplasms | 108 | 200 | 198 | 187 | 203 |
| Malignant neoplasms of colon and rectum | 15 | 36 | 40 | 39 | 36 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 13 | 13 | 18 | 13 |
| Malignant neoplasms of the breast | 19 | 36 | 31 | 33 | 32 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 48 | 72 | 49 | 39 | 47 |
| Volume depletion | --- | 34 | 73 | 80 | 90 |
| Heart disease | 297 | 577 | 688 | 711 | 758 |
| Acute myocardial infarction | 34 | 58 | 127 | 110 | 123 |
| Coronary atherosclerosis | --- | 128 | 44 | 29 | 31 |
| Other ischemic heart disease ² | 190 | 70 | 135 | 145 | 154 |
| Cardiac dysrhythmias | 12 | 73 | 114 | 110 | 124 |
| Congestive heart failure | 35 | 126 | 184 | 235 | 245 |
| Cerebrovascular disease | 128 | 211 | 253 | 249 | 262 |
| Pneumonia | 50 | 96 | 136 | 98 | 206 |
| Cholelithiasis | 26 | 39 | 48 | 41 | 45 |
| Urinary tract infection, site unspecified | *8 | 37 | 59 | 106 | 91 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 42 | 67 | 58 | 68 | 71 |
| Injury and poisoning | 203 | 315 | 358 | 389 | 405 |
| Fractures, all sites | 139 | 206 | 240 | 265 | 269 |
| Hip fracture | 70 | 114 | 142 | 158 | 170 |

Table 1. Number of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, 85 years and over | | | | | |
| All conditions | 387 | 871 | 1,040 | 1,151 | 1,233 |
| Septicemia | --- | * | 16 | 29 | 24 |
| Malignant neoplasms | 22 | 40 | 49 | 45 | 43 |
| Malignant neoplasms of colon and rectum | * | *7 | 16 | 9 | 10 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | *7 | *6 | *9 | *5 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | *7 | 13 | *10 | 11 | 12 |
| Volume depletion | --- | 16 | 33 | 40 | 41 |
| Heart disease | 78 | 172 | 223 | 223 | 258 |
| Acute myocardial infarction | *6 | 12 | 36 | 37 | 37 |
| Coronary atherosclerosis | --- | 39 | 15 | * | * |
| Other ischemic heart disease ² | 51 | 17 | 33 | 38 | 41 |
| Cardiac dysrhythmias | * | 25 | 35 | 35 | 36 |
| Congestive heart failure | *9 | 46 | 78 | 85 | 108 |
| Cerebrovascular disease | 36 | 74 | 77 | 95 | 96 |
| Pneumonia | 17 | 38 | 58 | 87 | 92 |
| Cholelithiasis | *5 | 11 | 12 | 13 | 12 |
| Urinary tract infection, site unspecified | * | 13 | 22 | 45 | 43 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | *9 | 13 | *11 | 11 | 12 |
| Injury and poisoning | 64 | 118 | 136 | 145 | 163 |
| Fractures, all sites | 46 | 83 | 97 | 104 | 113 |
| Hip fracture | 26 | 52 | 62 | 63 | 79 |

¹Comparisons of data for 1990 and 1991 with data for earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²For 1970 the classification "other ischemic heart disease" includes all diagnoses of ischemic heart disease.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30–59 discharges are preceded by an asterisk.

NOTES: Data include races other than white and black. Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Diagnostic grouping inclusions are based on the *International Classification of Diseases, 8th Revision, adapted for use in the United States* for 1970, and the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)* for 1980, 1985, 1990, and 1991. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, all ages | | | | | |
| Discharges per 10,000 population | | | | | |
| All conditions | 1,442.7 | 1,676.8 | 1,484.1 | 1,242.6 | 1,241.1 |
| Septicemia | --- | 2.6 | 6.3 | 8.7 | 9.6 |
| Malignant neoplasms | 56.6 | 83.0 | 80.9 | 63.4 | 63.6 |
| Malignant neoplasms of colon and rectum | 5.4 | 8.9 | 8.3 | 7.1 | 6.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 6.1 | 12.3 | 13.3 | 9.3 | 9.4 |
| Malignant neoplasms of the breast | 6.3 | 9.4 | 8.8 | 6.6 | 6.3 |
| Malignant neoplasms of the prostate | 3.2 | 5.6 | 5.7 | 4.2 | 5.1 |
| Diabetes mellitus | 21.6 | 28.6 | 20.3 | 17.0 | 17.1 |
| Volume depletion | --- | 4.4 | 10.1 | 12.9 | 13.1 |
| Heart disease | 92.6 | 141.9 | 151.7 | 143.5 | 147.8 |
| Acute myocardial infarction | 16.9 | 19.1 | 31.9 | 27.2 | 27.8 |
| Coronary atherosclerosis | --- | 24.9 | 12.9 | 16.5 | 15.3 |
| Other ischemic heart disease ² | 51.2 | 35.1 | 42.0 | 35.1 | 35.0 |
| Cardiac dysrhythmias | 5.6 | 17.2 | 21.6 | 19.5 | 21.4 |
| Congestive heart failure | 7.7 | 17.8 | 23.6 | 28.3 | 30.5 |
| Cerebrovascular disease | 25.7 | 35.3 | 38.8 | 32.8 | 33.3 |
| Pneumonia | 33.8 | 34.7 | 36.2 | 42.4 | 43.4 |
| Cholelithiasis | 19.6 | 20.3 | 20.1 | 20.4 | 22.0 |
| Urinary tract infection, site unspecified | 5.3 | 9.8 | 9.5 | 11.9 | 11.4 |
| Hyperplasia of the prostate | 10.6 | 12.2 | 10.4 | 10.5 | 9.2 |
| Arthropathies and related disorders | 18.1 | 24.1 | 19.7 | 19.4 | 21.0 |
| Injury and poisoning | 151.7 | 159.2 | 139.8 | 111.9 | 110.5 |
| Fractures, all sites | 53.3 | 51.5 | 47.8 | 41.0 | 41.3 |
| Hip fracture | 7.9 | 9.3 | 10.9 | 11.3 | 12.0 |
| Both sexes, 55–64 years | | | | | |
| All conditions | 1,753.0 | 2,153.6 | 1,948.0 | 1,618.0 | 1,608.4 |
| Septicemia | --- | * | 7.8 | 8.5 | 12.3 |
| Malignant neoplasms | 149.0 | 208.0 | 196.0 | 163.7 | 148.0 |
| Malignant neoplasms of colon and rectum | 15.5 | 20.7 | 20.4 | 20.2 | 12.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 22.7 | 39.7 | 41.7 | 34.2 | 32.5 |
| Malignant neoplasms of the breast | 17.2 | 26.1 | 21.3 | 15.8 | 14.6 |
| Malignant neoplasms of the prostate | 5.7 | 10.3 | 9.6 | 7.5 | 9.8 |
| Diabetes mellitus | 51.0 | 67.3 | 41.4 | 34.7 | 33.2 |
| Volume depletion | --- | * | 10.3 | 14.5 | 12.2 |
| Heart disease | 221.6 | 324.0 | 344.0 | 327.5 | 331.5 |
| Acute myocardial infarction | 51.7 | 50.5 | 78.6 | 66.1 | 66.2 |
| Coronary atherosclerosis | --- | 57.6 | 39.1 | 56.8 | 53.0 |
| Other ischemic heart disease ² | 115.7 | 109.0 | 115.1 | 90.9 | 91.5 |
| Cardiac dysrhythmias | 13.8 | 35.0 | 39.4 | 41.5 | 41.1 |
| Congestive heart failure | 13.6 | 20.8 | 31.0 | 37.7 | 42.5 |
| Cerebrovascular disease | 45.2 | 58.1 | 64.1 | 52.7 | 49.0 |
| Pneumonia | 36.1 | 38.9 | 42.2 | 42.6 | 41.0 |
| Cholelithiasis | 38.0 | 40.7 | 37.2 | 37.1 | 45.3 |
| Urinary tract infection, site unspecified | *10.0 | 9.8 | 8.0 | 10.0 | 11.0 |
| Hyperplasia of the prostate | 26.8 | 32.8 | 24.6 | 25.8 | 19.8 |
| Arthropathies and related disorders | 40.5 | 44.7 | 38.8 | 33.7 | 34.4 |
| Injury and poisoning | 149.9 | 138.3 | 143.1 | 118.8 | 119.0 |
| Fractures, all sites | 61.5 | 46.0 | 47.7 | 37.7 | 39.8 |
| Hip fracture | 7.7 | 6.5 | 8.4 | 7.7 | 9.3 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| Both sexes, 65–74 years | | | | | |
| All conditions | 2,531.8 | 3,158.4 | 2,972.6 | 2,591.2 | 2,642.3 |
| Septicemia | --- | *7.0 | 18.2 | 27.0 | 30.5 |
| Malignant neoplasms | 238.8 | 334.2 | 335.6 | 240.8 | 265.6 |
| Malignant neoplasms of colon and rectum | 27.0 | 38.0 | 35.3 | 26.4 | 33.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 31.2 | 62.5 | 67.6 | 42.5 | 45.6 |
| Malignant neoplasms of the breast | 18.8 | 31.7 | 29.2 | 21.9 | 22.5 |
| Malignant neoplasms of the prostate | 21.3 | 31.6 | 28.9 | 22.0 | 29.7 |
| Diabetes mellitus | 81.1 | 87.9 | 56.8 | 51.4 | 48.3 |
| Volume depletion | --- | 11.2 | 22.7 | 26.0 | 28.7 |
| Heart disease | 393.2 | 546.0 | 582.9 | 552.8 | 581.4 |
| Acute myocardial infarction | 69.7 | 87.1 | 125.5 | 102.3 | 106.5 |
| Coronary atherosclerosis | --- | 92.2 | 48.3 | 72.8 | 69.4 |
| Other ischemic heart disease ² | 232.0 | 128.9 | 169.2 | 143.2 | 143.3 |
| Cardiac dysrhythmias | 19.4 | 67.8 | 79.4 | 68.5 | 87.0 |
| Congestive heart failure | 36.8 | 77.3 | 88.6 | 100.6 | 110.2 |
| Cerebrovascular disease | 128.9 | 153.5 | 165.4 | 122.7 | 126.4 |
| Pneumonia | 67.1 | 78.3 | 85.3 | 95.8 | 108.9 |
| Cholelithiasis | 52.3 | 52.0 | 47.7 | 43.8 | 54.3 |
| Urinary tract infection, site unspecified | 12.2 | 21.5 | 23.1 | 29.9 | 27.3 |
| Hyperplasia of the prostate | 67.6 | 72.9 | 58.8 | 62.5 | 53.2 |
| Arthropathies and related disorders | 61.0 | 59.4 | 60.6 | 75.8 | 84.6 |
| Injury and poisoning | 188.6 | 180.7 | 181.1 | 175.7 | 180.8 |
| Fractures, all sites | 93.7 | 79.4 | 71.8 | 66.5 | 63.3 |
| Hip fracture | 26.0 | 26.5 | 25.7 | 26.5 | 23.8 |
| Both sexes, 75–84 years | | | | | |
| All conditions | 3,395.3 | 4,638.6 | 4,464.2 | 3,919.3 | 4,010.3 |
| Septicemia | --- | 18.5 | 42.8 | 53.4 | 65.6 |
| Malignant neoplasms | 290.1 | 410.0 | 380.5 | 297.5 | 305.6 |
| Malignant neoplasms of colon and rectum | 34.7 | 63.9 | 52.6 | 48.9 | 44.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 25.8 | 49.5 | 54.6 | 36.1 | 33.9 |
| Malignant neoplasms of the breast | 25.8 | 36.8 | 27.5 | 23.5 | 26.5 |
| Malignant neoplasms of the prostate | 32.5 | 52.8 | 58.2 | 37.0 | 36.8 |
| Diabetes mellitus | 94.3 | 110.3 | 67.9 | 43.9 | 53.6 |
| Volume depletion | --- | 31.8 | 67.7 | 66.2 | 77.4 |
| Heart disease | 650.3 | 891.5 | 903.9 | 858.3 | 883.8 |
| Acute myocardial infarction | 99.8 | 103.2 | 189.4 | 154.5 | 160.9 |
| Coronary atherosclerosis | --- | 191.1 | 62.0 | 54.1 | 53.0 |
| Other ischemic heart disease ² | 394.1 | 133.2 | 187.5 | 170.1 | 185.6 |
| Cardiac dysrhythmias | 24.4 | 109.1 | 153.8 | 132.1 | 144.6 |
| Congestive heart failure | 79.0 | 174.7 | 210.5 | 252.8 | 248.5 |
| Cerebrovascular disease | 248.6 | 300.0 | 330.9 | 256.5 | 266.1 |
| Pneumonia | 107.4 | 145.2 | 178.5 | 220.9 | 222.0 |
| Cholelithiasis | 50.8 | 55.7 | 68.0 | 47.2 | 51.6 |
| Urinary tract infection, site unspecified | 20.5 | 48.0 | 66.3 | 85.2 | 74.6 |
| Hyperplasia of the prostate | 77.8 | 81.4 | 74.4 | 68.4 | 66.4 |
| Arthropathies and related disorders | 69.0 | 91.2 | 74.1 | 82.8 | 87.9 |
| Injury and poisoning | 312.8 | 343.6 | 354.4 | 337.3 | 337.8 |
| Fractures, all sites | 195.6 | 194.6 | 203.0 | 193.9 | 190.6 |
| Hip fracture | 89.0 | 100.2 | 113.1 | 114.2 | 113.1 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 65 years and over | | | | | |
| All conditions | 2,932.7 | 3,836.9 | 3,698.0 | 3,309.3 | 3,403.1 |
| Septicemia | --- | 13.0 | 32.2 | 46.0 | 50.2 |
| Malignant neoplasms | 258.6 | 358.3 | 348.7 | 260.1 | 278.1 |
| Malignant neoplasms of colon and rectum | 31.2 | 48.0 | 44.7 | 35.7 | 39.0 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 28.5 | 55.3 | 59.6 | 38.1 | 39.3 |
| Malignant neoplasms of the breast | 21.3 | 33.4 | 28.4 | 23.2 | 23.1 |
| Malignant neoplasms of the prostate | 25.8 | 39.4 | 38.9 | 27.1 | 32.4 |
| Diabetes mellitus | 84.7 | 94.2 | 60.1 | 49.1 | 50.3 |
| Volume depletion | --- | 25.4 | 50.3 | 54.6 | 59.6 |
| Heart disease | 507.8 | 703.3 | 742.7 | 704.5 | 743.5 |
| Acute myocardial infarction | 80.7 | 92.7 | 153.3 | 128.5 | 133.5 |
| Coronary atherosclerosis | --- | 137.0 | 55.1 | 61.7 | 60.0 |
| Other ischemic heart disease ² | 304.7 | 128.1 | 176.3 | 157.4 | 161.7 |
| Cardiac dysrhythmias | 22.5 | 87.6 | 114.0 | 98.5 | 113.7 |
| Congestive heart failure | 56.5 | 126.4 | 157.0 | 179.3 | 193.6 |
| Cerebrovascular disease | 185.1 | 227.4 | 241.3 | 195.2 | 201.5 |
| Pneumonia | 91.9 | 118.7 | 140.8 | 175.0 | 185.5 |
| Cholelithiasis | 52.3 | 53.7 | 55.2 | 46.5 | 53.0 |
| Urinary tract infection, site unspecified | 16.4 | 35.4 | 45.7 | 65.8 | 58.7 |
| Hyperplasia of the prostate | 72.1 | 73.0 | 63.0 | 62.6 | 56.7 |
| Arthropathies and related disorders | 65.0 | 70.4 | 64.4 | 76.0 | 82.3 |
| Injury and poisoning | 254.4 | 273.5 | 278.9 | 272.5 | 279.5 |
| Fractures, all sites | 146.4 | 146.0 | 147.4 | 143.6 | 142.4 |
| Hip fracture | 59.9 | 70.6 | 77.2 | 78.5 | 81.4 |
| Both sexes, 75 years and over | | | | | |
| All conditions | 3,591.0 | 4,893.0 | 4,756.0 | 4,299.5 | 4,435.3 |
| Septicemia | --- | 22.3 | 52.5 | 72.2 | 77.0 |
| Malignant neoplasms | 291.2 | 395.9 | 367.6 | 286.8 | 294.9 |
| Malignant neoplasms of colon and rectum | 38.1 | 63.7 | 58.5 | 48.5 | 46.1 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 24.0 | 44.0 | 48.1 | 32.1 | 30.8 |
| Malignant neoplasms of the breast | 25.5 | 35.9 | 27.3 | 24.9 | 24.0 |
| Malignant neoplasms of the prostate | 33.3 | 51.6 | 53.6 | 34.1 | 35.9 |
| Diabetes mellitus | 90.6 | 104.0 | 64.9 | 45.9 | 52.9 |
| Volume depletion | --- | 47.5 | 90.5 | 94.1 | 101.5 |
| Heart disease | 695.7 | 948.3 | 975.8 | 913.8 | 963.3 |
| Acute myocardial infarction | 98.8 | 101.4 | 193.9 | 164.6 | 170.1 |
| Coronary atherosclerosis | --- | 206.9 | 65.0 | 46.4 | 47.2 |
| Other ischemic heart disease ² | 424.0 | 127.0 | 186.6 | 177.1 | 186.8 |
| Cardiac dysrhythmias | 27.7 | 118.4 | 164.7 | 139.9 | 150.0 |
| Congestive heart failure | 88.7 | 202.8 | 256.6 | 287.7 | 306.8 |
| Cerebrovascular disease | 277.4 | 342.5 | 352.0 | 295.3 | 303.4 |
| Pneumonia | 132.6 | 181.5 | 221.8 | 207.9 | 289.4 |
| Cholelithiasis | 52.3 | 56.2 | 66.1 | 50.2 | 51.3 |
| Urinary tract infection, site unspecified | 23.1 | 56.9 | 78.7 | 115.3 | 101.3 |
| Hyperplasia of the prostate | 79.6 | 73.2 | 69.1 | 62.7 | 61.4 |
| Arthropathies and related disorders | 71.7 | 87.6 | 70.0 | 76.3 | 79.2 |
| Injury and poisoning | 362.6 | 418.0 | 421.6 | 406.0 | 413.4 |
| Fractures, all sites | 233.0 | 249.5 | 257.7 | 249.9 | 249.7 |
| Hip fracture | 115.7 | 139.2 | 152.4 | 150.3 | 159.6 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| <i>Both sexes, 85 years and over</i> | | | | | |
| All conditions | 4,437.1 | 5,764.6 | 5,728.8 | 5,555.3 | 5,822.6 |
| Septicemia | --- | *35.3 | 84.9 | 134.4 | 114.4 |
| Malignant neoplasms | 296.1 | 347.8 | 324.9 | 251.7 | 259.8 |
| Malignant neoplasms of colon and rectum | 52.7 | 62.9 | 78.0 | 47.1 | 51.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | *26.4 | *18.9 | *20.9 |
| Malignant neoplasms of the breast | * | *32.8 | *26.1 | *29.8 | *15.8 |
| Malignant neoplasms of the prostate | *36.9 | *47.7 | *38.2 | 24.4 | 33.0 |
| Diabetes mellitus | 74.7 | 82.1 | 55.0 | 52.5 | 50.5 |
| Volume depletion | --- | 101.4 | 166.3 | 186.2 | 180.2 |
| Heart disease | 892.4 | 1,142.9 | 1,215.5 | 1,097.0 | 1,222.5 |
| Acute myocardial infarction | 94.7 | 94.9 | 208.8 | 198.0 | 200.1 |
| Coronary atherosclerosis | --- | 260.8 | 75.2 | *21.0 | *28.1 |
| Other ischemic heart disease ² | 553.4 | 105.8 | 183.7 | 200.1 | 190.4 |
| Cardiac dysrhythmias | *41.9 | 150.3 | 200.8 | 165.7 | 167.6 |
| Congestive heart failure | 130.6 | 298.8 | 410.4 | 402.9 | 497.3 |
| Cerebrovascular disease | 401.9 | 488.0 | 422.4 | 423.3 | 425.2 |
| Pneumonia | 241.7 | 306.2 | 366.0 | 492.8 | 509.4 |
| Cholelithiasis | *58.5 | 58.1 | 59.9 | 60.1 | 50.1 |
| Urinary tract infection, site unspecified | * | 87.6 | 120.0 | 214.5 | 188.2 |
| Hyperplasia of the prostate | 87.3 | *44.9 | 51.4 | 44.0 | 45.1 |
| Arthropathies and related disorders | 83.5 | 75.1 | 56.0 | 54.9 | 50.7 |
| Injury and poisoning | 577.8 | 672.9 | 645.3 | 632.7 | 660.4 |
| Fractures, all sites | 394.6 | 437.5 | 439.9 | 435.0 | 442.7 |
| Hip fracture | 230.8 | 272.8 | 283.2 | 269.9 | 311.3 |
| <i>Male, all ages</i> | | | | | |
| All conditions | 1,175.6 | 1,390.4 | 1,240.1 | 1,022.2 | 1,026.7 |
| Septicemia | --- | 2.5 | 5.6 | 8.3 | 8.5 |
| Malignant neoplasms | 54.0 | 80.6 | 78.1 | 60.8 | 64.3 |
| Malignant neoplasms of colon and rectum | 5.7 | 8.4 | 8.2 | 7.0 | 7.0 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 9.8 | 17.7 | 18.0 | 11.8 | 12.1 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 6.6 | 11.7 | 11.8 | 8.6 | 10.5 |
| Diabetes mellitus | 16.8 | 22.5 | 17.0 | 15.8 | 15.2 |
| Volume depletion | --- | 3.2 | 8.1 | 10.6 | 10.0 |
| Heart disease | 104.3 | 155.0 | 167.3 | 159.3 | 162.6 |
| Acute myocardial infarction | 23.9 | 25.0 | 40.8 | 34.4 | 34.7 |
| Coronary atherosclerosis | --- | 27.8 | 16.7 | 23.0 | 21.7 |
| Other ischemic heart disease ² | 56.2 | 43.5 | 48.1 | 38.7 | 37.9 |
| Cardiac dysrhythmias | 5.5 | 17.0 | 21.4 | 20.3 | 20.5 |
| Congestive heart failure | 8.3 | 16.2 | 21.6 | 26.2 | 29.6 |
| Cerebrovascular disease | 24.7 | 34.0 | 36.4 | 29.9 | 30.4 |
| Pneumonia | 37.0 | 38.1 | 37.9 | 44.1 | 44.8 |
| Cholelithiasis | 10.1 | 10.6 | 12.3 | 11.0 | 13.1 |
| Urinary tract infection, site unspecified | 3.2 | 5.6 | 6.7 | 7.8 | 8.7 |
| Hyperplasia of the prostate | 22.0 | 25.3 | 21.5 | 21.6 | 18.9 |
| Arthropathies and related disorders | 14.3 | 19.8 | 16.5 | 16.4 | 18.7 |
| Injury and poisoning | 176.9 | 185.9 | 157.6 | 122.9 | 118.2 |
| Fractures, all sites | 58.1 | 53.5 | 48.2 | 38.8 | 39.6 |
| Hip fracture | 4.1 | 4.7 | 5.5 | 6.0 | 6.6 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 55–64 years | | | | | |
| All conditions | 1,862.0 | 2,282.5 | 2,099.1 | 1,763.1 | 1,736.5 |
| Septicemia | --- | * | *8.4 | 6.8 | 9.6 |
| Malignant neoplasms | 151.5 | 202.4 | 200.1 | 166.5 | 161.6 |
| Malignant neoplasms of colon and rectum | 18.4 | 21.7 | 23.2 | 28.2 | 13.8 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 37.2 | 55.4 | 51.5 | 40.9 | 43.8 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 12.0 | 22.0 | 20.5 | 16.0 | 20.7 |
| Diabetes mellitus | 43.5 | 56.9 | 38.8 | 34.0 | 30.0 |
| Volume depletion | --- | * | *10.4 | 12.7 | 10.7 |
| Heart disease | 294.8 | 432.8 | 462.9 | 433.4 | 448.4 |
| Acute myocardial infarction | 81.3 | 79.0 | 120.4 | 92.7 | 100.4 |
| Coronary atherosclerosis | --- | 86.2 | 60.1 | 85.4 | 84.1 |
| Other ischemic heart disease ² | 154.1 | 149.6 | 152.2 | 117.8 | 119.1 |
| Cardiac dysrhythmias | 14.9 | 41.1 | 48.4 | 55.0 | 47.9 |
| Congestive heart failure | 17.2 | 25.0 | 36.3 | 45.9 | 56.0 |
| Cerebrovascular disease | 51.3 | 66.6 | 76.8 | 60.9 | 57.7 |
| Pneumonia | 38.6 | 40.8 | 42.8 | 47.8 | 40.2 |
| Cholelithiasis | 24.5 | 30.3 | 25.0 | 23.1 | 32.8 |
| Urinary tract infection, site unspecified | * | * | *7.8 | 10.6 | 12.3 |
| Hyperplasia of the prostate | 56.7 | 70.1 | 52.4 | 54.7 | 41.9 |
| Arthropathies and related disorders | 35.4 | 30.4 | 30.3 | 29.2 | 31.6 |
| Injury and poisoning | 158.4 | 152.1 | 150.8 | 133.3 | 127.9 |
| Fractures, all sites | 55.5 | 37.2 | 40.2 | 35.3 | 36.9 |
| Hip fracture | * | * | * | *9.6 | *8.4 |
| Male, 65–74 years | | | | | |
| All conditions | 2,768.1 | 3,474.1 | 3,255.2 | 2,859.7 | 2,932.1 |
| Septicemia | --- | *9.4 | 16.7 | 34.7 | 34.0 |
| Malignant neoplasms | 306.6 | 416.7 | 388.4 | 279.6 | 325.1 |
| Malignant neoplasms of colon and rectum | 31.2 | 39.7 | 39.3 | 29.9 | 44.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 58.3 | 111.7 | 108.1 | 63.5 | 60.9 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 48.6 | 72.8 | 66.3 | 50.3 | 67.8 |
| Diabetes mellitus | 59.4 | 64.8 | 42.9 | 43.3 | 35.5 |
| Volume depletion | --- | *11.7 | 23.0 | 22.5 | 23.2 |
| Heart disease | 454.4 | 643.3 | 698.7 | 689.9 | 706.8 |
| Acute myocardial infarction | 92.4 | 117.8 | 176.2 | 138.9 | 147.5 |
| Coronary atherosclerosis | --- | 108.4 | 65.2 | 110.2 | 99.2 |
| Other ischemic heart disease ² | 266.1 | 156.5 | 190.2 | 168.2 | 161.1 |
| Cardiac dysrhythmias | 21.6 | 81.0 | 84.8 | 84.2 | 97.6 |
| Congestive heart failure | 42.7 | 85.7 | 97.5 | 113.4 | 124.0 |
| Cerebrovascular disease | 149.6 | 176.5 | 184.9 | 136.7 | 144.8 |
| Pneumonia | 85.6 | 101.7 | 107.7 | 111.3 | 126.5 |
| Cholelithiasis | 34.5 | 40.5 | 43.3 | 37.9 | 48.6 |
| Urinary tract infection, site unspecified | *13.7 | 19.4 | 24.5 | 21.5 | 27.1 |
| Hyperplasia of the prostate | 154.6 | 168.0 | 135.1 | 142.6 | 121.2 |
| Arthropathies and related disorders | 48.1 | 39.7 | 48.1 | 60.6 | 66.2 |
| Injury and poisoning | 165.1 | 163.9 | 160.4 | 175.3 | 180.4 |
| Fractures, all sites | 63.9 | 51.5 | 44.8 | 44.9 | 48.2 |
| Hip fracture | *14.0 | 19.0 | *14.2 | 15.2 | 17.8 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 75–84 years | | | | | |
| All conditions | 3,696.5 | 5,093.4 | 5,031.8 | 4,397.8 | 4,498.5 |
| Septicemia | --- | *22.4 | 50.1 | 63.6 | 68.7 |
| Malignant neoplasms | 381.8 | 551.1 | 575.5 | 418.9 | 398.0 |
| Malignant neoplasms of colon and rectum | 45.0 | 71.3 | 69.0 | 52.7 | 52.8 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 53.6 | 96.0 | 110.3 | 57.0 | 61.9 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 81.8 | 142.3 | 157.1 | 98.7 | 97.6 |
| Diabetes mellitus | 70.0 | 93.9 | 63.1 | 44.7 | 51.8 |
| Volume depletion | --- | *25.0 | 63.4 | 69.3 | 77.9 |
| Heart disease | 744.6 | 1,003.5 | 1,029.9 | 999.4 | 1,058.1 |
| Acute myocardial infarction | 134.2 | 117.5 | 233.4 | 219.9 | 206.5 |
| Coronary atherosclerosis | --- | 205.3 | 77.4 | 77.0 | 75.5 |
| Other ischemic heart disease ² | 427.6 | 174.6 | 195.3 | 171.5 | 201.9 |
| Cardiac dysrhythmias | *27.7 | 126.4 | 174.5 | 152.6 | 157.0 |
| Congestive heart failure | 93.5 | 193.5 | 246.8 | 276.5 | 308.0 |
| Cerebrovascular disease | 251.5 | 333.6 | 358.5 | 276.5 | 277.9 |
| Pneumonia | 134.7 | 191.9 | 245.2 | 296.0 | 296.1 |
| Cholelithiasis | 41.2 | 53.7 | 73.0 | 51.7 | 52.4 |
| Urinary tract infection, site unspecified | *28.9 | 48.1 | 65.6 | 66.3 | 73.4 |
| Hyperplasia of the prostate | 195.9 | 219.5 | 200.9 | 182.5 | 176.2 |
| Arthropathies and related disorders | *36.2 | 61.6 | 59.4 | 69.5 | 81.3 |
| Injury and poisoning | 221.2 | 244.8 | 281.3 | 253.7 | 272.5 |
| Fractures, all sites | 111.1 | 100.5 | 115.7 | 92.1 | 106.2 |
| Hip fracture | 47.6 | 55.6 | 62.4 | 53.4 | 65.9 |
| Male, 65 years and over | | | | | |
| All conditions | 3,169.7 | 4,117.9 | 3,979.2 | 3,561.3 | 3,680.7 |
| Septicemia | --- | 14.8 | 31.2 | 50.4 | 52.0 |
| Malignant neoplasms | 334.3 | 464.1 | 449.8 | 327.6 | 355.8 |
| Malignant neoplasms of colon and rectum | 36.9 | 53.1 | 49.9 | 38.7 | 48.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 55.2 | 103.4 | 106.6 | 59.7 | 60.1 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 61.7 | 97.8 | 97.1 | 67.4 | 80.3 |
| Diabetes mellitus | 63.9 | 73.8 | 50.3 | 44.4 | 40.9 |
| Volume depletion | --- | 21.2 | 42.9 | 48.6 | 51.0 |
| Heart disease | 570.9 | 785.0 | 836.4 | 825.2 | 865.2 |
| Acute myocardial infarction | 108.4 | 119.6 | 198.3 | 172.3 | 175.8 |
| Coronary atherosclerosis | --- | 147.9 | 69.0 | 95.3 | 87.3 |
| Other ischemic heart disease ² | 331.0 | 158.4 | 193.0 | 176.0 | 177.4 |
| Cardiac dysrhythmias | 24.3 | 97.3 | 121.4 | 111.8 | 122.3 |
| Congestive heart failure | 65.9 | 131.2 | 161.8 | 185.3 | 209.8 |
| Cerebrovascular disease | 195.5 | 244.3 | 254.0 | 197.0 | 205.5 |
| Pneumonia | 115.8 | 150.1 | 175.0 | 209.9 | 223.5 |
| Cholelithiasis | 38.7 | 43.2 | 52.4 | 44.1 | 49.4 |
| Urinary tract infection, site unspecified | 19.9 | 32.8 | 43.5 | 49.7 | 52.5 |
| Hyperplasia of the prostate | 172.4 | 181.0 | 157.2 | 155.7 | 140.7 |
| Arthropathies and related disorders | 45.8 | 46.7 | 51.3 | 63.6 | 69.1 |
| Injury and poisoning | 194.0 | 209.2 | 216.4 | 225.2 | 231.9 |
| Fractures, all sites | 86.9 | 77.3 | 79.9 | 78.7 | 83.3 |
| Hip fracture | 31.0 | 37.3 | 39.1 | 40.8 | 46.1 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 75 years and over | | | | | |
| All conditions | 3,912.7 | 5,339.7 | 5,290.1 | 4,764.7 | 4,939.9 |
| Septicemia | --- | *25.1 | 57.4 | 77.3 | 82.1 |
| Malignant neoplasms | 385.4 | 553.9 | 560.9 | 409.8 | 407.4 |
| Malignant neoplasms of colon and rectum | 47.5 | 78.6 | 69.0 | 53.7 | 55.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 49.4 | 87.7 | 103.9 | 53.3 | 58.9 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 85.9 | 145.2 | 152.9 | 96.7 | 101.5 |
| Diabetes mellitus | 72.2 | 91.0 | 63.7 | 46.2 | 50.0 |
| Volume depletion | --- | 39.3 | 79.0 | 93.6 | 97.7 |
| Heart disease | 786.6 | 1,054.0 | 1,085.6 | 1,057.4 | 1,131.8 |
| Acute myocardial infarction | 138.0 | 122.9 | 238.5 | 229.7 | 223.3 |
| Coronary atherosclerosis | --- | 222.8 | 76.0 | 69.6 | 67.4 |
| Other ischemic heart disease ² | 451.1 | 161.8 | 198.2 | 189.5 | 204.7 |
| Cardiac dysrhythmias | *29.3 | 128.4 | 187.5 | 159.2 | 163.9 |
| Congestive heart failure | 108.9 | 217.7 | 278.3 | 308.6 | 354.2 |
| Cerebrovascular disease | 280.5 | 373.0 | 379.3 | 300.4 | 307.7 |
| Pneumonia | 171.7 | 241.9 | 296.8 | 379.1 | 386.8 |
| Cholelithiasis | 46.4 | 48.5 | 69.0 | 54.7 | 50.7 |
| Urinary tract infection, site unspecified | *31.5 | 58.0 | 77.8 | 97.9 | 95.1 |
| Hyperplasia of the prostate | 205.3 | 205.8 | 197.0 | 178.0 | 173.6 |
| Arthropathies and related disorders | 41.5 | 59.9 | 57.1 | 68.8 | 73.9 |
| Injury and poisoning | 247.5 | 295.1 | 317.9 | 310.9 | 318.5 |
| Fractures, all sites | 129.4 | 126.2 | 143.4 | 136.6 | 142.4 |
| Hip fracture | 62.6 | 72.1 | 84.1 | 84.7 | 93.9 |
| Male, 85 years and over | | | | | |
| All conditions | 4,983.5 | 6,372.2 | 6,406.8 | 6,395.8 | 6,888.2 |
| Septicemia | --- | * | *88.6 | 138.5 | 141.6 |
| Malignant neoplasms | 403.3 | 565.7 | 497.7 | 369.1 | 449.2 |
| Malignant neoplasms of colon and rectum | * | *109.5 | *69.0 | *58.4 | *68.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | *106.3 | *157.5 | *134.6 | 87.5 | 118.4 |
| Diabetes mellitus | * | *79.1 | * | * | * |
| Volume depletion | --- | *99.2 | 146.5 | 201.4 | 185.2 |
| Heart disease | 994.5 | 1,265.9 | 1,326.2 | 1,315.1 | 1,457.0 |
| Acute myocardial infarction | *157.0 | *145.8 | 260.2 | 273.1 | 297.5 |
| Coronary atherosclerosis | --- | 296.1 | * | * | * |
| Other ischemic heart disease ² | 567.3 | *108.4 | 210.5 | 269.2 | 217.0 |
| Cardiac dysrhythmias | * | *136.9 | 243.5 | 188.8 | 194.4 |
| Congestive heart failure | *185.6 | 319.6 | 414.5 | 451.4 | 557.9 |
| Cerebrovascular disease | 424.2 | 538.4 | 469.1 | 406.6 | 439.2 |
| Pneumonia | 354.7 | 451.5 | 520.1 | 748.4 | 786.7 |
| Cholelithiasis | * | * | * | *67.9 | *43.0 |
| Urinary tract infection, site unspecified | * | *99.6 | *130.4 | 238.4 | 190.9 |
| Hyperplasia of the prostate | 251.7 | *148.0 | 180.2 | 158.0 | 161.8 |
| Arthropathies and related disorders | * | * | * | * | * |
| Injury and poisoning | 377.6 | 506.1 | 476.2 | 565.4 | 521.6 |
| Fractures, all sites | 219.6 | 233.9 | 263.3 | 334.4 | 302.0 |
| Hip fracture | *136.8 | 141.3 | 178.2 | 223.5 | 217.2 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, all ages | | | | | |
| All conditions | 1,690.8 | 1,944.0 | 1,712.3 | 1,450.0 | 1,443.1 |
| Septicemia | --- | 2.7 | 6.9 | 9.1 | 10.6 |
| Malignant neoplasms | 58.9 | 85.2 | 83.5 | 65.9 | 63.0 |
| Malignant neoplasms of colon and rectum | 5.1 | 9.3 | 8.5 | 7.1 | 6.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 2.6 | 7.2 | 9.0 | 7.1 | 6.9 |
| Malignant neoplasms of the breast | 12.1 | 18.2 | 16.9 | 12.8 | 12.1 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 26.0 | 34.3 | 23.4 | 18.0 | 19.0 |
| Volume depletion | --- | 5.6 | 12.0 | 15.0 | 16.1 |
| Heart disease | 81.6 | 129.6 | 137.1 | 128.7 | 133.9 |
| Acute myocardial infarction | 10.5 | 13.6 | 23.7 | 20.5 | 21.3 |
| Coronary atherosclerosis | --- | 22.2 | 9.3 | 10.4 | 9.3 |
| Other ischemic heart disease ² | 46.6 | 27.3 | 36.3 | 31.8 | 32.1 |
| Cardiac dysrhythmias | 5.6 | 17.5 | 21.9 | 18.7 | 22.3 |
| Congestive heart failure | 7.1 | 19.2 | 25.4 | 30.2 | 31.4 |
| Cerebrovascular disease | 26.6 | 36.5 | 41.0 | 35.5 | 36.1 |
| Pneumonia | 30.9 | 31.5 | 34.5 | 40.9 | 42.1 |
| Cholelithiasis | 28.4 | 29.3 | 27.3 | 29.3 | 30.4 |
| Urinary tract infection, site unspecified | 7.3 | 13.7 | 12.1 | 15.8 | 14.0 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 21.6 | 28.1 | 22.6 | 22.2 | 23.1 |
| Injury and poisoning | 128.2 | 134.4 | 123.2 | 101.7 | 103.2 |
| Fractures, all sites | 48.9 | 49.7 | 47.4 | 43.2 | 42.9 |
| Hip fracture | 11.4 | 13.6 | 16.1 | 16.4 | 17.0 |
| Female, 55–64 years | | | | | |
| All conditions | 1,655.3 | 2,040.4 | 1,814.5 | 1,488.3 | 1,493.6 |
| Septicemia | --- | * | *7.2 | 10.1 | 14.7 |
| Malignant neoplasms | 146.8 | 213.0 | 192.4 | 161.2 | 135.8 |
| Malignant neoplasms of colon and rectum | 12.9 | 19.7 | 17.9 | 13.0 | 10.8 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 9.7 | 25.9 | 33.0 | 28.2 | 22.5 |
| Malignant neoplasms of the breast | 32.2 | 48.7 | 40.1 | 29.4 | 27.3 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 57.7 | 76.4 | 43.7 | 35.4 | 36.1 |
| Volume depletion | --- | * | 10.2 | 16.1 | 13.5 |
| Heart disease | 155.9 | 228.4 | 239.0 | 233.0 | 226.7 |
| Acute myocardial infarction | 25.2 | 25.4 | 41.7 | 42.4 | 35.6 |
| Coronary atherosclerosis | --- | 32.4 | 20.5 | 31.2 | 25.0 |
| Other ischemic heart disease ² | 81.3 | 73.4 | 82.4 | 66.8 | 66.8 |
| Cardiac dysrhythmias | 12.7 | 29.6 | 31.4 | 29.4 | 35.0 |
| Congestive heart failure | 10.4 | 17.1 | 26.3 | 30.3 | 30.3 |
| Cerebrovascular disease | 39.8 | 50.7 | 52.9 | 45.4 | 41.3 |
| Pneumonia | 33.8 | 37.1 | 41.6 | 38.0 | 41.8 |
| Cholelithiasis | 50.1 | 49.8 | 48.0 | 49.7 | 56.5 |
| Urinary tract infection, site unspecified | * | 13.4 | *8.1 | 9.3 | 9.8 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 45.0 | 14.1 | 46.4 | 37.7 | 36.9 |
| Injury and poisoning | 142.2 | 126.1 | 136.3 | 105.8 | 111.1 |
| Fractures, all sites | 67.0 | 53.7 | 54.2 | 39.9 | 42.4 |
| Hip fracture | 11.2 | *8.0 | *11.0 | 6.0 | 10.1 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| <i>Female, 65–74 years</i> | | | | | |
| All conditions | 2,348.0 | 2,916.6 | 2,754.8 | 2,381.6 | 2,415.6 |
| Septicemia | --- | * | 19.5 | 21.0 | 27.6 |
| Malignant neoplasms | 186.1 | 270.9 | 294.9 | 210.4 | 219.2 |
| Malignant neoplasms of colon and rectum | 23.8 | 36.6 | 32.2 | 23.7 | 25.4 |
| Malignant neoplasms of trachea, bronchus, and lung | *10.2 | 24.9 | 36.3 | 26.0 | 33.6 |
| Malignant neoplasms of the breast | 32.5 | 55.8 | 51.5 | 38.9 | 39.8 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 98.0 | 105.6 | 67.6 | 57.6 | 58.3 |
| Volume depletion | --- | *10.8 | 22.5 | 28.7 | 33.0 |
| Heart disease | 345.8 | 471.4 | 493.7 | 445.8 | 483.4 |
| Acute myocardial infarction | 52.0 | 63.6 | 86.5 | 73.7 | 74.5 |
| Coronary atherosclerosis | --- | 79.8 | 35.3 | 43.6 | 46.2 |
| Other ischemic heart disease ² | 205.4 | 107.7 | 153.0 | 123.7 | 129.3 |
| Cardiac dysrhythmias | 17.7 | 57.8 | 75.1 | 56.2 | 78.8 |
| Congestive heart failure | 32.3 | 70.9 | 81.8 | 90.6 | 99.4 |
| Cerebrovascular disease | 112.8 | 135.8 | 150.3 | 111.7 | 112.0 |
| Pneumonia | 52.8 | 60.4 | 68.1 | 83.7 | 95.2 |
| Cholelithiasis | 66.1 | 60.8 | 51.1 | 48.4 | 58.8 |
| Urinary tract infection, site unspecified | *11.2 | 23.0 | 22.1 | 36.4 | 27.4 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 71.0 | 74.4 | 70.3 | 87.7 | 98.9 |
| Injury and poisoning | 206.8 | 193.6 | 197.1 | 176.0 | 181.1 |
| Fractures, all sites | 116.9 | 100.8 | 92.6 | 83.4 | 75.1 |
| Hip fracture | 35.3 | 32.2 | 34.6 | 35.2 | 28.5 |
| <i>Female, 75–84 years</i> | | | | | |
| All conditions | 3,196.9 | 4,370.4 | 4,130.3 | 3,632.7 | 3,714.9 |
| Septicemia | --- | *16.2 | 38.5 | 47.3 | 63.8 |
| Malignant neoplasms | 229.6 | 326.7 | 265.7 | 224.7 | 249.8 |
| Malignant neoplasms of colon and rectum | 28.0 | 59.6 | 43.0 | 46.7 | 39.5 |
| Malignant neoplasms of trachea, bronchus, and lung | * | 22.1 | 21.8 | 23.7 | 16.9 |
| Malignant neoplasms of the breast | 42.7 | 58.2 | 43.3 | 37.4 | 42.4 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 110.3 | 120.1 | 70.7 | 43.5 | 54.8 |
| Volume depletion | --- | 35.8 | 70.3 | 64.4 | 77.1 |
| Heart disease | 588.1 | 825.4 | 829.7 | 773.8 | 778.4 |
| Acute myocardial infarction | 77.1 | 94.8 | 163.5 | 115.3 | 133.3 |
| Coronary atherosclerosis | --- | 182.7 | 52.9 | 40.4 | 39.4 |
| Other ischemic heart disease ² | 371.9 | 108.8 | 182.9 | 169.3 | 175.8 |
| Cardiac dysrhythmias | *22.3 | 98.8 | 141.6 | 119.8 | 137.1 |
| Congestive heart failure | 69.5 | 163.7 | 189.1 | 238.7 | 212.4 |
| Cerebrovascular disease | 246.8 | 280.2 | 314.6 | 244.6 | 259.0 |
| Pneumonia | 89.4 | 117.6 | 139.2 | 175.9 | 177.2 |
| Cholelithiasis | 57.2 | 56.9 | 65.0 | 44.4 | 51.2 |
| Urinary tract infection, site unspecified | *14.9 | 48.0 | 66.6 | 96.5 | 75.4 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 90.7 | 108.7 | 82.8 | 90.8 | 91.9 |
| Injury and poisoning | 373.1 | 401.8 | 397.5 | 387.4 | 377.3 |
| Fractures, all sites | 251.2 | 250.1 | 254.4 | 254.8 | 241.7 |
| Hip fracture | 116.4 | 126.5 | 143.0 | 150.5 | 141.7 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| Female, 65 years and over | | | | | |
| All conditions | 2,762.3 | 3,647.1 | 3,509.8 | 3,139.8 | 3,215.9 |
| Septicemia | --- | 11.8 | 32.9 | 43.1 | 49.0 |
| Malignant neoplasms | 204.2 | 286.9 | 281.0 | 214.8 | 225.6 |
| Malignant neoplasms of colon and rectum | 27.1 | 44.6 | 41.3 | 33.7 | 32.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 9.3 | 22.8 | 28.2 | 23.6 | 25.3 |
| Malignant neoplasms of the breast | 36.1 | 55.6 | 46.8 | 38.7 | 38.5 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 99.7 | 107.9 | 66.7 | 52.2 | 56.6 |
| Volume depletion | --- | 28.2 | 55.2 | 58.6 | 65.4 |
| Heart disease | 462.3 | 648.2 | 680.1 | 623.4 | 661.3 |
| Acute myocardial infarction | 60.8 | 74.5 | 123.2 | 99.0 | 105.0 |
| Coronary atherosclerosis | --- | 129.7 | 45.8 | 39.2 | 41.5 |
| Other ischemic heart disease ² | 285.7 | 107.7 | 165.1 | 144.9 | 151.2 |
| Cardiac dysrhythmias | 21.3 | 81.0 | 109.1 | 89.5 | 108.0 |
| Congestive heart failure | 49.7 | 123.1 | 153.7 | 175.2 | 182.7 |
| Cerebrovascular disease | 177.7 | 216.0 | 232.7 | 194.1 | 198.8 |
| Pneumonia | 74.7 | 97.5 | 118.0 | 151.5 | 159.9 |
| Cholelithiasis | 62.1 | 60.7 | 57.0 | 48.1 | 55.5 |
| Urinary tract infection, site unspecified | 13.8 | 37.1 | 47.2 | 76.6 | 62.9 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 78.9 | 86.4 | 73.2 | 84.4 | 91.2 |
| Injury and poisoning | 297.9 | 317.0 | 320.8 | 304.3 | 311.6 |
| Fractures, all sites | 189.3 | 192.3 | 192.6 | 187.3 | 182.3 |
| Hip fracture | 80.7 | 93.0 | 102.7 | 103.9 | 105.2 |
| Female, 75 years and over | | | | | |
| All conditions | 3,387.2 | 4,646.4 | 4,467.5 | 4,046.4 | 4,158.9 |
| Septicemia | --- | 20.8 | 49.9 | 69.4 | 74.3 |
| Malignant neoplasms | 231.5 | 308.7 | 263.2 | 219.9 | 233.2 |
| Malignant neoplasms of colon and rectum | 32.1 | 55.4 | 52.8 | 45.6 | 40.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 19.9 | 17.9 | 20.6 | 15.5 |
| Malignant neoplasms of the breast | 41.7 | 55.5 | 40.8 | 38.4 | 37.0 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 102.3 | 111.1 | 65.6 | 45.7 | 54.5 |
| Volume depletion | --- | 52.1 | 96.7 | 94.4 | 103.6 |
| Heart disease | 638.2 | 889.9 | 916.5 | 835.7 | 871.0 |
| Acute myocardial infarction | 74.0 | 89.5 | 169.8 | 129.2 | 141.0 |
| Coronary atherosclerosis | --- | 198.1 | 59.1 | 33.8 | 36.1 |
| Other ischemic heart disease ² | 406.8 | 107.8 | 180.4 | 170.4 | 176.9 |
| Cardiac dysrhythmias | 26.7 | 112.8 | 152.3 | 129.4 | 142.4 |
| Congestive heart failure | 75.9 | 194.5 | 244.9 | 276.3 | 280.9 |
| Cerebrovascular disease | 275.5 | 325.6 | 337.3 | 292.5 | 301.1 |
| Pneumonia | 107.9 | 148.2 | 181.2 | 114.8 | 236.1 |
| Cholelithiasis | 56.0 | 60.5 | 64.5 | 47.7 | 51.6 |
| Urinary tract infection, site unspecified | 17.8 | 56.4 | 79.1 | 124.7 | 104.7 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 90.9 | 102.9 | 76.9 | 80.4 | 82.1 |
| Injury and poisoning | 435.4 | 485.8 | 477.6 | 457.7 | 465.4 |
| Fractures, all sites | 298.6 | 317.5 | 319.4 | 311.5 | 308.5 |
| Hip fracture | 149.3 | 176.2 | 189.2 | 186.0 | 195.6 |

Table 2. Rate of discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, 85 years and over | | | | | |
| All conditions | 4,146.9 | 5,500.3 | 5,458.0 | 5,231.0 | 5,410.6 |
| Septicemia | --- | * | 83.5 | 132.8 | 103.9 |
| Malignant neoplasms | 239.1 | 253.0 | 255.9 | 206.3 | 186.6 |
| Malignant neoplasms of colon and rectum | * | *42.6 | 81.6 | 42.7 | 44.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | *47.0 | *33.5 | *41.2 | *21.8 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | *70.2 | 83.4 | 50.5 | 52.2 | 53.9 |
| Volume depletion | --- | 102.3 | 174.3 | 180.3 | 178.3 |
| Heart disease | 838.2 | 1,089.4 | 1,171.3 | 1,012.8 | 1,131.8 |
| Acute myocardial infarction | *61.7 | 72.8 | 188.3 | 169.0 | 162.5 |
| Coronary atherosclerosis | --- | 245.5 | 77.3 | * | * |
| Other ischemic heart disease ² | 546.1 | 104.8 | 173.0 | 173.4 | 180.1 |
| Cardiac dysrhythmias | * | 156.1 | 183.7 | 156.8 | 157.2 |
| Congestive heart failure | *104.4 | 289.7 | 408.8 | 384.1 | 473.9 |
| Cerebrovascular disease | 390.1 | 466.1 | 403.8 | 429.8 | 419.8 |
| Pneumonia | 181.6 | 242.9 | 304.5 | 394.2 | 402.2 |
| Cholelithiasis | *51.4 | 71.8 | 63.1 | 57.1 | 52.8 |
| Urinary tract infection, site unspecified | * | 82.4 | 115.8 | 205.3 | 187.2 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | *91.8 | 84.9 | *59.5 | 50.5 | 54.4 |
| Injury and poisoning | 684.1 | 745.5 | 712.9 | 658.7 | 714.0 |
| Fractures, all sites | 487.6 | 526.1 | 510.4 | 473.9 | 497.1 |
| Hip fracture | 280.7 | 330.0 | 325.1 | 287.7 | 347.7 |

¹Comparisons of data for 1990 and 1991 with data for earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²For 1970, the classification "other ischemic heart disease" includes all diagnoses of ischemic heart disease.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30–59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Data include races other than white and black. Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Diagnostic grouping inclusions are based on the *International Classification of Diseases, 8th Revision, adapted for us United States* for 1970 and the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)* for 1980, 1985, 1990, and 1991. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, all ages | | | | | |
| Average length of stay in days | | | | | |
| All conditions | 7.8 | 7.3 | 6.5 | 6.4 | 6.4 |
| Septicemia | --- | 14.3 | 11.9 | 13.3 | 11.6 |
| Malignant neoplasms | 13.9 | 11.9 | 8.9 | 9.4 | 9.2 |
| Malignant neoplasms of colon and rectum | 20.4 | 15.7 | 12.3 | 13.7 | 14.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.2 | 12.8 | 9.2 | 8.5 | 8.6 |
| Malignant neoplasms of the breast | 13.2 | 10.9 | 7.2 | 4.6 | 4.4 |
| Malignant neoplasms of the prostate | 12.5 | 10.9 | 7.4 | 6.8 | 6.4 |
| Diabetes mellitus | 12.2 | 10.5 | 8.1 | 7.8 | 7.1 |
| Volume depletion | --- | 8.9 | 6.2 | 6.5 | 7.5 |
| Heart disease | 12.3 | 9.5 | 7.3 | 6.9 | 6.8 |
| Acute myocardial infarction | 16.3 | 12.6 | 9.5 | 8.4 | 8.1 |
| Coronary atherosclerosis | --- | 10.0 | 6.6 | 5.8 | 7.1 |
| Other ischemic heart disease ² | 11.7 | 7.7 | 5.4 | 5.2 | 5.0 |
| Cardiac dysrhythmias | 7.6 | 7.6 | 6.2 | 5.8 | 5.3 |
| Congestive heart failure | 12.3 | 10.4 | 8.0 | 8.0 | 7.9 |
| Cerebrovascular disease | 14.2 | 12.7 | 10.5 | 9.5 | 9.3 |
| Pneumonia | 9.3 | 8.3 | 7.9 | 8.3 | 8.2 |
| Cholelithiasis | 11.2 | 9.3 | 7.5 | 5.8 | 5.0 |
| Urinary tract infection, site unspecified | 7.4 | 6.9 | 6.8 | 8.7 | 7.6 |
| Hyperplasia of the prostate | 12.1 | 8.9 | 6.4 | 4.9 | 5.3 |
| Arthropathies and related disorders | 10.8 | 9.4 | 7.7 | 7.8 | 7.4 |
| Injury and poisoning | 8.4 | 7.7 | 6.6 | 6.8 | 6.9 |
| Fractures, all sites | 11.6 | 10.8 | 8.7 | 8.3 | 8.4 |
| Hip fracture | 24.0 | 20.6 | 14.7 | 12.8 | 12.3 |
| Both sexes, 55-64 years | | | | | |
| All conditions | 10.2 | 8.8 | 7.4 | 7.2 | 6.9 |
| Septicemia | --- | * | 11.8 | 15.1 | 11.1 |
| Malignant neoplasms | 13.6 | 11.9 | 8.7 | 9.0 | 8.1 |
| Malignant neoplasms of colon and rectum | 19.5 | 15.7 | 10.6 | 12.9 | 9.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.5 | 13.6 | 8.8 | 8.2 | 8.3 |
| Malignant neoplasms of the breast | 13.2 | 9.8 | 6.4 | 4.8 | 4.0 |
| Malignant neoplasms of the prostate | 11.0 | 10.4 | 7.1 | 7.6 | 5.6 |
| Diabetes mellitus | 11.8 | 10.2 | 8.7 | 9.0 | 8.0 |
| Volume depletion | --- | * | 5.7 | 6.8 | 7.4 |
| Heart disease | 12.2 | 8.9 | 6.9 | 6.3 | 6.8 |
| Acute myocardial infarction | 16.8 | 12.0 | 9.6 | 7.9 | 7.5 |
| Coronary atherosclerosis | --- | 8.5 | 5.5 | 5.3 | 10.0 |
| Other ischemic heart disease ² | 10.8 | 7.6 | 5.1 | 5.0 | 4.5 |
| Cardiac dysrhythmias | 6.9 | 6.2 | 5.6 | 5.0 | 5.2 |
| Congestive heart failure | 12.2 | 10.5 | 7.5 | 7.0 | 7.4 |
| Cerebrovascular disease | 13.6 | 12.2 | 10.8 | 9.4 | 7.7 |
| Pneumonia | 11.0 | 9.7 | 9.1 | 8.6 | 8.1 |
| Cholelithiasis | 11.6 | 9.5 | 7.4 | 6.8 | 4.5 |
| Urinary tract infection, site unspecified | *8.9 | 6.9 | 7.1 | 8.3 | 7.5 |
| Hyperplasia of the prostate | 11.1 | 7.5 | 5.8 | 4.4 | 6.0 |
| Arthropathies and related disorders | 11.6 | 11.0 | 8.4 | 8.1 | 7.5 |
| Injury and poisoning | 10.1 | 8.7 | 7.2 | 7.5 | 7.1 |
| Fractures, all sites | 12.2 | 11.2 | 8.1 | 7.8 | 8.4 |
| Hip fracture | 23.0 | 18.7 | 13.6 | 12.3 | 10.4 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 65–74 years | | | | | |
| All conditions | 12.0 | 10.0 | 8.2 | 8.0 | 8.1 |
| Septicemia | --- | *16.4 | 17.9 | 15.9 | 11.4 |
| Malignant neoplasms | 15.3 | 12.2 | 9.2 | 9.4 | 9.9 |
| Malignant neoplasms of colon and rectum | 20.1 | 14.8 | 13.5 | 13.0 | 17.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.1 | 12.2 | 8.7 | 9.2 | 9.1 |
| Malignant neoplasms of the breast | 14.0 | 13.0 | 8.7 | 4.5 | 4.0 |
| Malignant neoplasms of the prostate | 13.6 | 10.2 | 7.3 | 6.5 | 6.6 |
| Diabetes mellitus | 14.2 | 11.8 | 9.8 | 8.4 | 8.5 |
| Volume depletion | --- | 9.7 | 7.2 | 7.1 | 6.8 |
| Heart disease | 12.9 | 10.3 | 7.5 | 7.0 | 6.9 |
| Acute myocardial infarction | 16.4 | 13.4 | 9.6 | 8.4 | 8.9 |
| Coronary atherosclerosis | --- | 10.0 | 6.8 | 6.6 | 6.4 |
| Other ischemic heart disease ² | 12.4 | 8.6 | 6.0 | 5.3 | 5.5 |
| Cardiac dysrhythmias | 9.4 | 9.0 | 6.5 | 5.7 | 5.1 |
| Congestive heart failure | 12.7 | 10.1 | 8.1 | 8.4 | 7.5 |
| Cerebrovascular disease | 14.9 | 12.5 | 10.1 | 8.4 | 9.6 |
| Pneumonia | 12.1 | 10.0 | 9.6 | 9.5 | 8.6 |
| Cholelithiasis | 13.0 | 10.3 | 8.5 | 6.6 | 5.5 |
| Urinary tract infection, site unspecified | 11.3 | 8.5 | 8.2 | 8.0 | 8.2 |
| Hyperplasia of the prostate | 12.1 | 8.8 | 6.3 | 4.5 | 4.6 |
| Arthropathies and related disorders | 11.7 | 12.8 | 9.7 | 9.3 | 9.2 |
| Injury and poisoning | 13.0 | 11.5 | 8.7 | 8.7 | 8.9 |
| Fractures, all sites | 16.0 | 14.4 | 10.3 | 11.1 | 10.6 |
| Hip fracture | 21.1 | 19.0 | 14.2 | 15.5 | 12.6 |
| Both sexes, 75–84 years | | | | | |
| All conditions | 13.2 | 11.2 | 9.1 | 9.1 | 9.0 |
| Septicemia | --- | 13.6 | 12.0 | 12.1 | 12.8 |
| Malignant neoplasms | 15.1 | 14.1 | 10.0 | 10.4 | 10.3 |
| Malignant neoplasms of colon and rectum | 23.0 | 18.6 | 12.8 | 12.9 | 13.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.9 | 14.2 | 10.8 | 9.5 | 10.4 |
| Malignant neoplasms of the breast | 16.5 | 12.1 | 8.5 | 5.8 | 5.2 |
| Malignant neoplasms of the prostate | 11.6 | 11.5 | 7.3 | 6.6 | 6.3 |
| Diabetes mellitus | 15.7 | 13.4 | 10.5 | 12.5 | 9.0 |
| Volume depletion | --- | 9.8 | 7.8 | 8.1 | 10.6 |
| Heart disease | 13.3 | 10.4 | 8.1 | 8.0 | 7.3 |
| Acute myocardial infarction | 16.0 | 12.4 | 10.0 | 9.7 | 8.6 |
| Coronary atherosclerosis | --- | 11.5 | 8.3 | 8.1 | 7.1 |
| Other ischemic heart disease ² | 12.8 | 8.3 | 6.3 | 6.1 | 5.9 |
| Cardiac dysrhythmias | 9.8 | 8.6 | 6.8 | 6.6 | 5.7 |
| Congestive heart failure | 12.9 | 10.5 | 8.3 | 8.0 | 7.9 |
| Cerebrovascular disease | 15.2 | 12.9 | 10.6 | 10.4 | 10.0 |
| Pneumonia | 12.5 | 11.9 | 10.8 | 10.4 | 11.3 |
| Cholelithiasis | 13.8 | 12.4 | 9.8 | 8.5 | 7.4 |
| Urinary tract infection, site unspecified | 9.0 | 10.3 | 8.4 | 11.0 | 8.2 |
| Hyperplasia of the prostate | 13.8 | 10.8 | 6.9 | 6.0 | 4.9 |
| Arthropathies and related disorders | 13.4 | 13.5 | 11.9 | 10.4 | 9.7 |
| Injury and poisoning | 16.0 | 13.8 | 11.0 | 10.7 | 9.9 |
| Fractures, all sites | 19.7 | 16.7 | 13.3 | 11.0 | 11.2 |
| Hip fracture | 26.4 | 21.0 | 15.8 | 12.1 | 12.7 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 65 years and over | | | | | |
| All conditions | 12.6 | 10.7 | 8.7 | 8.7 | 8.6 |
| Septicemia | --- | 16.9 | 13.7 | 13.5 | 12.3 |
| Malignant neoplasms | 15.2 | 13.1 | 9.7 | 10.1 | 10.1 |
| Malignant neoplasms of colon and rectum | 20.8 | 16.7 | 13.1 | 14.2 | 16.1 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.4 | 12.8 | 9.3 | 9.5 | 9.5 |
| Malignant neoplasms of the breast | 15.2 | 13.0 | 8.8 | 5.0 | 4.5 |
| Malignant neoplasms of the prostate | 13.0 | 11.0 | 7.5 | 6.7 | 6.5 |
| Diabetes mellitus | 14.7 | 12.8 | 10.1 | 9.7 | 8.9 |
| Volume depletion | --- | 10.2 | 7.7 | 8.5 | 9.8 |
| Heart disease | 13.1 | 10.5 | 7.9 | 7.6 | 7.2 |
| Acute myocardial infarction | 16.1 | 13.0 | 9.7 | 9.1 | 8.8 |
| Coronary atherosclerosis | --- | 11.1 | 7.9 | 7.0 | 6.5 |
| Other ischemic heart disease ² | 12.7 | 8.6 | 6.1 | 5.6 | 5.6 |
| Cardiac dysrhythmias | 9.9 | 8.8 | 6.8 | 6.5 | 5.6 |
| Congestive heart failure | 12.7 | 10.6 | 8.2 | 8.3 | 7.9 |
| Cerebrovascular disease | 14.7 | 12.9 | 10.4 | 9.5 | 9.7 |
| Pneumonia | 12.5 | 11.1 | 9.9 | 10.2 | 10.2 |
| Cholelithiasis | 13.7 | 11.4 | 9.5 | 7.7 | 6.4 |
| Urinary tract infection, site unspecified | 11.4 | 9.5 | 8.3 | 10.0 | 8.4 |
| Hyperplasia of the prostate | 12.8 | 9.8 | 6.7 | 5.2 | 4.8 |
| Arthropathies and related disorders | 12.6 | 12.8 | 10.5 | 9.8 | 9.4 |
| Injury and poisoning | 14.9 | 13.2 | 10.3 | 9.9 | 9.6 |
| Fractures, all sites | 18.5 | 16.2 | 12.4 | 11.1 | 11.3 |
| Hip fracture | 24.0 | 20.5 | 15.0 | 13.0 | 12.8 |
| Both sexes, 75 years and over | | | | | |
| All conditions | 13.3 | 11.4 | 9.2 | 9.2 | 9.0 |
| Septicemia | --- | 17.1 | 11.6 | 12.3 | 12.8 |
| Malignant neoplasms | 15.0 | 14.2 | 10.3 | 10.8 | 10.4 |
| Malignant neoplasms of colon and rectum | 21.7 | 18.4 | 12.8 | 15.0 | 14.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 15.0 | 14.2 | 10.6 | 9.9 | 10.3 |
| Malignant neoplasms of the breast | 16.8 | 12.9 | 9.0 | 5.7 | 5.0 |
| Malignant neoplasms of the prostate | 12.4 | 11.8 | 7.6 | 6.8 | 6.3 |
| Diabetes mellitus | 15.4 | 14.0 | 10.6 | 11.6 | 9.4 |
| Volume depletion | --- | 10.4 | 7.9 | 9.0 | 10.9 |
| Heart disease | 13.3 | 10.6 | 8.2 | 8.0 | 7.4 |
| Acute myocardial infarction | 15.7 | 12.5 | 9.9 | 9.7 | 8.8 |
| Coronary atherosclerosis | --- | 11.9 | 9.0 | 7.9 | 6.8 |
| Other ischemic heart disease ² | 13.0 | 8.6 | 6.2 | 5.9 | 5.8 |
| Cardiac dysrhythmias | 10.3 | 8.6 | 7.0 | 7.1 | 6.0 |
| Congestive heart failure | 12.7 | 10.9 | 8.3 | 8.2 | 8.0 |
| Cerebrovascular disease | 14.6 | 13.2 | 10.6 | 10.1 | 9.8 |
| Pneumonia | 12.9 | 11.9 | 10.1 | 14.5 | 11.0 |
| Cholelithiasis | 14.8 | 12.8 | 10.5 | 9.0 | 7.8 |
| Urinary tract infection, site unspecified | 11.5 | 10.1 | 8.3 | 10.7 | 8.4 |
| Hyperplasia of the prostate | 13.7 | 11.2 | 7.2 | 6.1 | 5.0 |
| Arthropathies and related disorders | 13.9 | 12.8 | 11.6 | 10.3 | 9.8 |
| Injury and poisoning | 16.5 | 14.3 | 11.3 | 10.7 | 10.1 |
| Fractures, all sites | 20.1 | 17.1 | 13.2 | 11.1 | 11.5 |
| Hip fracture | 25.0 | 21.0 | 15.3 | 12.3 | 12.8 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Both sexes, 85 years and over | | | | | |
| All conditions | 13.8 | 12.0 | 9.6 | 9.6 | 9.2 |
| Septicemia | --- | *23.3 | 10.9 | 12.6 | 12.9 |
| Malignant neoplasms | 14.3 | 14.7 | 11.3 | 12.1 | 10.9 |
| Malignant neoplasms of colon and rectum | *17.9 | 17.5 | 12.8 | 22.4 | 16.8 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | *9.1 | *12.6 | *9.9 |
| Malignant neoplasms of the breast | * | *16.0 | *10.5 | *5.3 | *4.2 |
| Malignant neoplasms of the prostate | *15.5 | *13.2 | *9.5 | 7.5 | 6.2 |
| Diabetes mellitus | 13.5 | 17.0 | 11.0 | 9.1 | 10.6 |
| Volume depletion | --- | 11.1 | 8.0 | 10.1 | 11.4 |
| Heart disease | 13.4 | 11.3 | 8.4 | 8.1 | 7.7 |
| Acute myocardial infarction | 14.4 | 12.8 | 9.6 | 9.8 | 9.3 |
| Coronary atherosclerosis | --- | 12.7 | 11.0 | *6.2 | *5.0 |
| Other ischemic heart disease ² | 13.6 | 9.9 | 6.1 | 5.3 | 5.3 |
| Cardiac dysrhythmias | *11.7 | 8.8 | 7.6 | 8.3 | 6.9 |
| Congestive heart failure | 12.4 | 11.5 | 8.2 | 8.6 | 8.2 |
| Cerebrovascular disease | 13.2 | 13.8 | 10.5 | 9.6 | 9.2 |
| Pneumonia | 13.7 | 11.8 | 9.1 | 10.9 | 10.5 |
| Cholelithiasis | *18.8 | 14.4 | 13.4 | 10.3 | 9.2 |
| Urinary tract infection, site unspecified | * | 9.7 | 8.2 | 10.2 | 8.7 |
| Hyperplasia of the prostate | 13.7 | *14.2 | 8.3 | 6.6 | 5.3 |
| Arthropathies and related disorders | 15.5 | 10.0 | 10.4 | 10.1 | 10.4 |
| Injury and poisoning | 17.7 | 15.2 | 11.9 | 10.7 | 10.4 |
| Fractures, all sites | 21.1 | 17.8 | 13.1 | 11.1 | 12.0 |
| Hip fracture | 22.7 | 21.0 | 14.5 | 12.7 | 13.0 |
| Male, all ages | | | | | |
| All conditions | 8.4 | 7.7 | 6.9 | 6.9 | 7.0 |
| Septicemia | --- | 13.1 | 12.6 | 14.0 | 11.7 |
| Malignant neoplasms | 13.5 | 12.0 | 9.1 | 9.5 | 9.7 |
| Malignant neoplasms of colon and rectum | 18.6 | 14.7 | 12.2 | 13.0 | 16.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.0 | 12.3 | 8.8 | 8.0 | 8.5 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 12.5 | 10.9 | 7.4 | 6.8 | 6.4 |
| Diabetes mellitus | 12.1 | 10.1 | 8.0 | 7.6 | 6.8 |
| Volume depletion | --- | 9.0 | 5.9 | 6.1 | 8.5 |
| Heart disease | 12.0 | 9.1 | 7.0 | 6.7 | 6.7 |
| Acute myocardial infarction | 15.8 | 12.3 | 9.0 | 8.4 | 7.5 |
| Coronary atherosclerosis | --- | 9.3 | 5.8 | 5.7 | 7.4 |
| Other ischemic heart disease ² | 11.2 | 7.4 | 5.3 | 5.0 | 5.0 |
| Cardiac dysrhythmias | 7.1 | 7.3 | 5.9 | 5.5 | 5.0 |
| Congestive heart failure | 12.1 | 10.1 | 7.8 | 7.5 | 7.5 |
| Cerebrovascular disease | 14.0 | 12.1 | 10.0 | 9.2 | 9.1 |
| Pneumonia | 9.0 | 8.2 | 7.8 | 8.2 | 7.9 |
| Cholelithiasis | 11.9 | 9.9 | 8.3 | 6.6 | 5.3 |
| Urinary tract infection, site unspecified | 8.3 | 7.4 | 7.4 | 7.8 | 8.3 |
| Hyperplasia of the prostate | 12.1 | 8.9 | 6.4 | 4.9 | 5.3 |
| Arthropathies and related disorders | 9.3 | 7.5 | 7.0 | 7.0 | 6.6 |
| Injury and poisoning | 7.5 | 6.9 | 6.1 | 6.1 | 6.3 |
| Fractures, all sites | 9.7 | 9.0 | 7.7 | 6.7 | 7.3 |
| Hip fracture | 24.4 | 20.1 | 16.6 | 11.7 | 10.9 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|-------|-------|-------|-------------------|-------------------|
| Male, 55–64 years | | | | | |
| All conditions | 10.2 | 8.6 | 7.3 | 7.1 | 6.9 |
| Septicemia | --- | * | *13.0 | 14.6 | 11.0 |
| Malignant neoplasms | 13.0 | 11.9 | 9.0 | 9.3 | 8.3 |
| Malignant neoplasms of colon and rectum | 17.4 | 14.8 | 11.2 | 12.6 | 10.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.5 | 12.9 | 8.8 | 7.7 | 8.5 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 11.0 | 10.4 | 7.1 | 7.6 | 5.6 |
| Diabetes mellitus | 12.7 | 10.5 | 8.8 | 7.0 | 7.2 |
| Volume depletion | --- | * | *5.7 | 7.6 | 9.2 |
| Heart disease | 12.2 | 8.8 | 6.9 | 6.1 | 6.9 |
| Acute myocardial infarction | 16.8 | 12.0 | 9.2 | 7.9 | 7.1 |
| Coronary atherosclerosis | --- | 8.0 | 5.2 | 5.3 | 11.1 |
| Other ischemic heart disease ² | 10.5 | 7.4 | 5.2 | 4.8 | 4.5 |
| Cardiac dysrhythmias | 6.8 | 5.7 | 5.2 | 5.0 | 4.4 |
| Congestive heart failure | 11.7 | 10.3 | 7.7 | 6.8 | 7.4 |
| Cerebrovascular disease | 13.0 | 10.7 | 10.1 | 8.9 | 7.5 |
| Pneumonia | 10.6 | 9.9 | 8.7 | 8.9 | 8.0 |
| Cholelithiasis | 12.5 | 9.3 | 7.9 | 8.3 | 4.8 |
| Urinary tract infection, site unspecified | * | * | *6.6 | 8.9 | 6.1 |
| Hyperplasia of the prostate | 11.1 | 7.5 | 5.8 | 4.4 | 6.0 |
| Arthropathies and related disorders | 10.6 | 9.6 | 8.9 | 7.5 | 6.9 |
| Injury and poisoning | 9.8 | 8.1 | 7.1 | 7.9 | 7.1 |
| Fractures, all sites | 11.2 | 10.0 | 8.9 | 7.4 | 8.9 |
| Hip fracture | * | * | * | *11.5 | *9.9 |
| Male, 65–74 years | | | | | |
| All conditions | 11.7 | 9.7 | 8.1 | 7.8 | 7.9 |
| Septicemia | --- | *16.5 | 20.9 | 17.1 | 11.8 |
| Malignant neoplasms | 14.1 | 11.9 | 9.1 | 9.9 | 10.8 |
| Malignant neoplasms of colon and rectum | 18.2 | 14.2 | 14.0 | 11.4 | 22.2 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.1 | 11.6 | 8.3 | 8.7 | 9.4 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 13.6 | 10.2 | 7.3 | 6.5 | 6.6 |
| Diabetes mellitus | 12.3 | 11.7 | 9.9 | 9.1 | 9.8 |
| Volume depletion | --- | *8.7 | 7.7 | 7.0 | 6.6 |
| Heart disease | 12.5 | 9.9 | 7.4 | 7.0 | 6.7 |
| Acute myocardial infarction | 15.6 | 13.1 | 9.1 | 8.8 | 8.2 |
| Coronary atherosclerosis | --- | 9.4 | 6.6 | 6.4 | 5.9 |
| Other ischemic heart disease ² | 11.8 | 8.1 | 6.0 | 5.4 | 5.7 |
| Cardiac dysrhythmias | 8.5 | 8.5 | 6.6 | 5.6 | 4.7 |
| Congestive heart failure | 13.3 | 10.4 | 7.8 | 7.9 | 7.4 |
| Cerebrovascular disease | 15.2 | 12.0 | 9.8 | 8.3 | 8.6 |
| Pneumonia | 11.7 | 9.7 | 9.7 | 9.5 | 8.8 |
| Cholelithiasis | 13.5 | 10.1 | 9.2 | 6.9 | 6.2 |
| Urinary tract infection, site unspecified | *11.5 | 9.3 | 9.9 | 7.2 | 9.7 |
| Hyperplasia of the prostate | 12.1 | 8.8 | 6.3 | 4.5 | 4.6 |
| Arthropathies and related disorders | 11.6 | 11.2 | 10.2 | 9.2 | 9.1 |
| Injury and poisoning | 11.6 | 10.6 | 8.2 | 7.9 | 8.4 |
| Fractures, all sites | 14.5 | 15.4 | 9.5 | 10.2 | 11.7 |
| Hip fracture | *20.5 | 17.9 | *15.2 | 11.8 | 13.5 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 75–84 years | | | | | |
| All conditions | 12.5 | 10.7 | 8.8 | 8.7 | 8.6 |
| Septicemia | --- | *11.0 | 12.7 | 12.9 | 12.2 |
| Malignant neoplasms | 13.6 | 13.8 | 9.7 | 9.3 | 9.5 |
| Malignant neoplasms of colon and rectum | 21.0 | 17.0 | 12.1 | 12.5 | 13.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.5 | 15.0 | 9.6 | 9.6 | 9.4 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 11.6 | 11.5 | 7.3 | 6.6 | 6.3 |
| Diabetes mellitus | 18.4 | 13.7 | 10.7 | 11.7 | 8.5 |
| Volume depletion | --- | *11.2 | 7.8 | 8.4 | 14.4 |
| Heart disease | 12.7 | 9.7 | 7.8 | 8.1 | 7.4 |
| Acute myocardial infarction | 14.1 | 11.4 | 10.0 | 10.1 | 8.3 |
| Coronary atherosclerosis | --- | 11.2 | 7.8 | 8.1 | 7.4 |
| Other ischemic heart disease ² | 12.5 | 8.5 | 6.3 | 6.5 | 6.7 |
| Cardiac dysrhythmias | *9.3 | 8.3 | 6.2 | 6.5 | 6.1 |
| Congestive heart failure | 12.1 | 9.9 | 8.0 | 7.8 | 7.6 |
| Cerebrovascular disease | 14.8 | 11.9 | 10.1 | 10.0 | 10.7 |
| Pneumonia | 11.5 | 11.8 | 10.5 | 9.8 | 9.9 |
| Cholelithiasis | 14.0 | 12.8 | 10.8 | 8.0 | 8.6 |
| Urinary tract infection, site unspecified | *8.9 | 8.9 | 8.3 | 8.1 | 7.7 |
| Hyperplasia of the prostate | 13.8 | 10.8 | 6.9 | 6.0 | 4.9 |
| Arthropathies and related disorders | *13.4 | 13.7 | 10.8 | 10.8 | 9.4 |
| Injury and poisoning | 14.6 | 12.9 | 11.2 | 10.9 | 9.4 |
| Fractures, all sites | 20.4 | 17.3 | 16.6 | 10.0 | 9.9 |
| Hip fracture | 27.4 | 21.1 | 21.7 | 10.4 | 11.2 |
| Male, 65 years and over | | | | | |
| All conditions | 12.1 | 10.3 | 8.4 | 8.3 | 8.3 |
| Septicemia | --- | 14.5 | 15.2 | 14.5 | 12.7 |
| Malignant neoplasms | 13.9 | 12.7 | 9.4 | 9.9 | 10.4 |
| Malignant neoplasms of colon and rectum | 19.1 | 15.3 | 13.1 | 13.2 | 19.2 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.9 | 12.6 | 8.7 | 9.1 | 9.3 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 13.0 | 11.0 | 7.5 | 6.7 | 6.5 |
| Diabetes mellitus | 14.2 | 12.5 | 10.2 | 9.9 | 9.5 |
| Volume depletion | --- | 10.4 | 7.8 | 7.7 | 11.4 |
| Heart disease | 12.6 | 10.0 | 7.6 | 7.5 | 7.1 |
| Acute myocardial infarction | 14.8 | 12.5 | 9.3 | 9.3 | 8.2 |
| Coronary atherosclerosis | --- | 10.7 | 6.4 | 6.8 | 6.3 |
| Other ischemic heart disease ² | 12.3 | 8.3 | 6.1 | 5.7 | 6.1 |
| Cardiac dysrhythmias | 8.7 | 8.5 | 6.6 | 6.4 | 5.4 |
| Congestive heart failure | 12.6 | 10.3 | 7.9 | 7.9 | 7.5 |
| Cerebrovascular disease | 14.9 | 12.3 | 9.9 | 9.2 | 9.5 |
| Pneumonia | 11.8 | 11.1 | 10.0 | 10.0 | 9.6 |
| Cholelithiasis | 14.0 | 11.2 | 10.6 | 7.6 | 7.2 |
| Urinary tract infection, site unspecified | 10.4 | 9.1 | 8.6 | 8.2 | 8.9 |
| Hyperplasia of the prostate | 12.8 | 9.8 | 6.7 | 5.2 | 4.8 |
| Arthropathies and related disorders | 11.8 | 12.0 | 10.6 | 9.8 | 9.2 |
| Injury and poisoning | 12.9 | 12.0 | 9.8 | 9.4 | 8.8 |
| Fractures, all sites | 17.2 | 16.7 | 13.4 | 10.4 | 10.7 |
| Hip fracture | 23.0 | 20.5 | 18.2 | 11.6 | 11.7 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Male, 75 years and over | | | | | |
| All conditions | 12.6 | 11.1 | 8.8 | 8.8 | 8.7 |
| Septicemia | --- | *13.0 | 12.2 | 12.5 | 13.4 |
| Malignant neoplasms | 13.7 | 13.9 | 9.8 | 10.0 | 9.8 |
| Malignant neoplasms of colon and rectum | 20.2 | 16.3 | 12.3 | 15.0 | 15.2 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.6 | 14.9 | 9.5 | 10.0 | 9.3 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | 12.4 | 11.8 | 7.6 | 6.8 | 6.3 |
| Diabetes mellitus | 17.0 | 13.6 | 10.5 | 11.0 | 9.2 |
| Volume depletion | --- | 11.4 | 7.9 | 8.0 | 13.3 |
| Heart disease | 12.7 | 10.1 | 7.7 | 8.1 | 7.4 |
| Acute myocardial infarction | 13.7 | 11.4 | 9.7 | 9.9 | 8.3 |
| Coronary atherosclerosis | --- | 11.9 | 7.6 | 8.0 | 7.2 |
| Other ischemic heart disease ² | 12.8 | 8.7 | 6.3 | 6.0 | 6.5 |
| Cardiac dysrhythmias | *8.9 | 8.5 | 6.5 | 7.2 | 6.1 |
| Congestive heart failure | 12.1 | 10.2 | 7.9 | 7.8 | 7.6 |
| Cerebrovascular disease | 14.6 | 12.6 | 10.0 | 9.9 | 10.2 |
| Pneumonia | 11.9 | 12.2 | 10.2 | 10.3 | 10.1 |
| Cholelithiasis | 14.6 | 13.0 | 12.1 | 8.3 | 8.8 |
| Urinary tract infection, site unspecified | *9.6 | 9.1 | 7.8 | 8.6 | 8.5 |
| Hyperplasia of the prostate | 13.7 | 11.2 | 7.2 | 6.1 | 5.0 |
| Arthropathies and related disorders | 12.3 | 13.0 | 11.3 | 10.8 | 9.4 |
| Injury and poisoning | 14.5 | 13.5 | 11.3 | 10.9 | 9.3 |
| Fractures, all sites | 19.7 | 17.7 | 15.6 | 10.6 | 10.1 |
| Hip fracture | 24.0 | 21.7 | 19.2 | 11.5 | 11.1 |
| Male, 85 years and over | | | | | |
| All conditions | 13.0 | 12.1 | 9.1 | 9.4 | 9.0 |
| Septicemia | --- | * | *11.0 | 11.8 | 16.0 |
| Malignant neoplasms | 13.9 | 14.0 | 10.3 | 13.4 | 11.1 |
| Malignant neoplasms of colon and rectum | * | *14.3 | *13.0 | *25.0 | *21.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | *15.5 | *13.2 | *9.5 | 7.5 | 6.2 |
| Diabetes mellitus | * | *13.2 | * | * | * |
| Volume depletion | --- | *11.6 | 8.0 | 7.3 | 11.3 |
| Heart disease | 12.9 | 11.6 | 7.6 | 7.8 | 7.4 |
| Acute myocardial infarction | *12.2 | *11.5 | 8.5 | 8.9 | 8.3 |
| Coronary atherosclerosis | --- | 14.0 | * | * | * |
| Other ischemic heart disease ² | 13.6 | *10.2 | 6.3 | 4.7 | 5.8 |
| Cardiac dysrhythmias | * | *9.4 | 7.7 | 9.6 | 6.0 |
| Congestive heart failure | *12.2 | 11.1 | 7.8 | 8.0 | 7.7 |
| Cerebrovascular disease | 13.9 | 14.5 | 9.9 | 9.6 | 8.8 |
| Pneumonia | 12.7 | 12.8 | 9.5 | 11.2 | 10.4 |
| Cholelithiasis | * | * | * | *9.3 | *10.0 |
| Urinary tract infection, site unspecified | * | *9.4 | *6.6 | 9.3 | 10.0 |
| Hyperplasia of the prostate | 13.7 | *14.2 | 8.3 | 6.6 | 5.3 |
| Arthropathies and related disorders | * | * | * | * | * |
| Injury and poisoning | 14.1 | 14.6 | 11.4 | 10.9 | 9.0 |
| Fractures, all sites | 17.8 | 18.5 | 13.8 | 11.2 | 10.3 |
| Hip fracture | *18.1 | 22.7 | 15.4 | 12.6 | 10.9 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, all ages | | | | | |
| All conditions | 7.4 | 7.0 | 6.2 | 6.1 | 6.0 |
| Septicemia | --- | 15.3 | 11.4 | 12.6 | 11.5 |
| Malignant neoplasms | 14.2 | 11.8 | 8.7 | 9.2 | 8.7 |
| Malignant neoplasms of colon and rectum | 22.3 | 16.5 | 12.4 | 14.4 | 12.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.9 | 14.0 | 9.9 | 9.1 | 8.7 |
| Malignant neoplasms of the breast | 13.2 | 11.0 | 7.2 | 4.6 | 4.4 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 12.2 | 10.7 | 8.2 | 8.1 | 7.3 |
| Volume depletion | --- | 8.9 | 6.4 | 6.9 | 6.9 |
| Heart disease | 12.6 | 10.0 | 7.6 | 7.1 | 7.0 |
| Acute myocardial infarction | 17.4 | 13.1 | 10.3 | 8.4 | 9.1 |
| Coronary atherosclerosis | --- | 10.8 | 7.9 | 6.2 | 6.5 |
| Other ischemic heart disease ² | 12.2 | 8.0 | 5.6 | 5.3 | 5.1 |
| Cardiac dysrhythmias | 8.0 | 7.9 | 6.4 | 6.0 | 5.5 |
| Congestive heart failure | 12.6 | 10.6 | 8.2 | 8.4 | 8.4 |
| Cerebrovascular disease | 14.4 | 13.2 | 10.9 | 9.7 | 9.6 |
| Pneumonia | 9.6 | 8.4 | 8.1 | 8.4 | 8.5 |
| Cholelithiasis | 10.9 | 9.1 | 7.2 | 5.5 | 4.8 |
| Urinary tract infection, site unspecified | 7.0 | 6.6 | 6.4 | 9.2 | 7.2 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 11.7 | 10.6 | 8.2 | 8.4 | 8.0 |
| Injury and poisoning | 9.5 | 8.7 | 7.3 | 7.6 | 7.6 |
| Fractures, all sites | 13.8 | 12.6 | 9.8 | 9.7 | 9.4 |
| Hip fracture | 23.9 | 20.8 | 14.1 | 13.3 | 12.8 |
| Female, 55–64 years | | | | | |
| All conditions | 10.2 | 9.0 | 7.5 | 7.3 | 6.9 |
| Septicemia | --- | * | *10.5 | 15.5 | 11.1 |
| Malignant neoplasms | 14.2 | 12.0 | 8.4 | 8.8 | 7.9 |
| Malignant neoplasms of colon and rectum | 22.2 | 16.6 | 10.0 | 13.5 | 9.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.6 | 14.8 | 8.7 | 9.0 | 7.9 |
| Malignant neoplasms of the breast | 13.2 | 9.9 | 6.4 | 4.9 | 4.0 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 11.1 | 10.0 | 8.6 | 10.8 | 8.5 |
| Volume depletion | --- | * | 5.8 | 6.2 | 6.2 |
| Heart disease | 12.1 | 9.0 | 6.9 | 6.5 | 6.6 |
| Acute myocardial infarction | 17.0 | 11.9 | 10.9 | 7.8 | 8.5 |
| Coronary atherosclerosis | --- | 9.6 | 6.3 | 5.3 | 6.4 |
| Other ischemic heart disease ² | 11.3 | 7.8 | 4.9 | 5.5 | 4.5 |
| Cardiac dysrhythmias | 7.0 | 6.8 | 6.1 | 5.2 | 6.1 |
| Congestive heart failure | 13.0 | 10.7 | 7.2 | 7.4 | 7.3 |
| Cerebrovascular disease | 14.3 | 13.9 | 11.7 | 10.0 | 8.0 |
| Pneumonia | 11.3 | 9.6 | 9.5 | 8.1 | 8.1 |
| Cholelithiasis | 11.2 | 9.7 | 7.2 | 6.2 | 4.3 |
| Urinary tract infection, site unspecified | * | 7.0 | *7.5 | 7.7 | 9.0 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 12.3 | 11.7 | 8.1 | 8.5 | 7.9 |
| Injury and poisoning | 10.4 | 9.4 | 7.2 | 7.0 | 7.1 |
| Fractures, all sites | 12.9 | 11.8 | 7.6 | 8.0 | 8.1 |
| Hip fracture | 23.0 | *19.5 | *13.5 | 13.4 | 10.8 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, 65–74 years | | | | | |
| All conditions | 12.3 | 10.2 | 8.3 | 8.1 | 8.2 |
| Septicemia | --- | * | 15.9 | 14.4 | 11.0 |
| Malignant neoplasms | 16.9 | 12.5 | 9.4 | 9.0 | 8.8 |
| Malignant neoplasms of colon and rectum | 22.1 | 15.3 | 13.0 | 14.5 | 11.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | *14.5 | 14.0 | 9.6 | 10.2 | 8.6 |
| Malignant neoplasms of the breast | 14.1 | 13.0 | 8.7 | 4.5 | 4.0 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 15.2 | 11.8 | 9.7 | 8.0 | 7.9 |
| Volume depletion | --- | *10.4 | 6.8 | 7.2 | 6.9 |
| Heart disease | 13.3 | 10.6 | 7.6 | 7.0 | 7.0 |
| Acute myocardial infarction | 17.6 | 13.9 | 10.3 | 7.8 | 10.1 |
| Coronary atherosclerosis | --- | 10.6 | 7.1 | 7.1 | 7.3 |
| Other ischemic heart disease ² | 12.9 | 9.1 | 6.0 | 5.2 | 5.3 |
| Cardiac dysrhythmias | 10.3 | 9.6 | 6.3 | 5.8 | 5.5 |
| Congestive heart failure | 12.1 | 9.8 | 8.3 | 8.9 | 7.7 |
| Cerebrovascular disease | 14.5 | 13.0 | 10.3 | 8.5 | 10.6 |
| Pneumonia | 12.6 | 10.4 | 9.4 | 9.4 | 8.4 |
| Cholelithiasis | 12.8 | 10.5 | 8.1 | 6.4 | 5.0 |
| Urinary tract infection, site unspecified | *11.1 | 8.0 | 6.7 | 8.4 | 7.1 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 11.7 | 13.5 | 9.4 | 9.4 | 9.2 |
| Injury and poisoning | 13.9 | 12.2 | 9.1 | 9.3 | 9.3 |
| Fractures, all sites | 16.7 | 14.0 | 10.6 | 11.5 | 10.0 |
| Hip fracture | 21.3 | 19.4 | 13.9 | 16.7 | 12.1 |
| Female, 75–84 years | | | | | |
| All conditions | 13.7 | 11.5 | 9.3 | 9.4 | 9.2 |
| Septicemia | --- | *15.8 | 11.5 | 11.5 | 13.1 |
| Malignant neoplasms | 16.7 | 14.3 | 10.4 | 11.7 | 11.1 |
| Malignant neoplasms of colon and rectum | 25.1 | 19.7 | 13.4 | 13.2 | 14.1 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 12.0 | 14.4 | 9.4 | 12.5 |
| Malignant neoplasms of the breast | 16.5 | 12.1 | 8.5 | 5.8 | 5.2 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 14.6 | 13.2 | 10.4 | 13.1 | 9.3 |
| Volume depletion | --- | 9.2 | 7.7 | 7.8 | 8.3 |
| Heart disease | 13.8 | 10.9 | 8.3 | 7.8 | 7.1 |
| Acute myocardial infarction | 18.1 | 13.1 | 10.0 | 9.3 | 8.9 |
| Coronary atherosclerosis | --- | 11.7 | 8.8 | 8.1 | 6.7 |
| Other ischemic heart disease ² | 13.0 | 8.0 | 6.3 | 5.9 | 5.4 |
| Cardiac dysrhythmias | *10.2 | 8.8 | 7.2 | 6.7 | 5.5 |
| Congestive heart failure | 13.6 | 11.0 | 8.6 | 8.2 | 8.3 |
| Cerebrovascular disease | 15.4 | 13.6 | 11.0 | 10.6 | 9.6 |
| Pneumonia | 13.6 | 12.1 | 11.1 | 10.9 | 12.8 |
| Cholelithiasis | 13.7 | 12.2 | 9.0 | 8.8 | 6.7 |
| Urinary tract infection, site unspecified | *9.2 | 11.2 | 8.5 | 12.3 | 8.5 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 13.4 | 13.4 | 12.3 | 10.2 | 9.9 |
| Injury and poisoning | 16.5 | 14.1 | 10.9 | 10.6 | 10.1 |
| Fractures, all sites | 19.5 | 16.6 | 12.4 | 11.2 | 11.5 |
| Hip fracture | 26.2 | 21.0 | 14.3 | 12.5 | 13.1 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, 65 years and over | | | | | |
| All conditions | 13.0 | 11.0 | 9.0 | 8.9 | 8.8 |
| Septicemia | --- | 18.9 | 12.8 | 12.8 | 12.0 |
| Malignant neoplasms | 16.6 | 13.4 | 10.0 | 10.2 | 9.8 |
| Malignant neoplasms of colon and rectum | 22.5 | 17.7 | 13.1 | 14.9 | 13.0 |
| Malignant neoplasms of trachea, bronchus, and lung | 16.5 | 13.4 | 10.8 | 10.1 | 9.7 |
| Malignant neoplasms of the breast | 15.4 | 13.0 | 8.8 | 5.0 | 4.5 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 15.0 | 12.8 | 10.1 | 9.6 | 8.6 |
| Volume depletion | --- | 10.1 | 7.6 | 8.9 | 8.9 |
| Heart disease | 13.6 | 10.8 | 8.1 | 7.6 | 7.3 |
| Acute myocardial infarction | 17.8 | 13.6 | 10.1 | 8.9 | 9.6 |
| Coronary atherosclerosis | --- | 11.4 | 8.8 | 7.4 | 6.9 |
| Other ischemic heart disease ² | 13.1 | 8.8 | 6.1 | 5.5 | 5.3 |
| Cardiac dysrhythmias | 10.8 | 9.1 | 6.9 | 6.6 | 5.8 |
| Congestive heart failure | 12.9 | 10.8 | 8.4 | 8.6 | 8.1 |
| Cerebrovascular disease | 14.6 | 13.3 | 10.7 | 9.7 | 9.9 |
| Pneumonia | 13.4 | 11.2 | 9.9 | 10.4 | 10.7 |
| Cholelithiasis | 13.6 | 11.4 | 8.8 | 7.8 | 6.0 |
| Urinary tract infection, site unspecified | 12.4 | 9.8 | 8.1 | 10.8 | 8.1 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 12.9 | 13.2 | 10.5 | 9.7 | 9.5 |
| Injury and poisoning | 15.8 | 13.7 | 10.6 | 10.2 | 10.0 |
| Fractures, all sites | 18.9 | 16.1 | 12.1 | 11.3 | 11.4 |
| Hip fracture | 24.3 | 20.6 | 14.2 | 13.3 | 13.1 |
| Female, 75 years and over | | | | | |
| All conditions | 13.8 | 11.6 | 9.4 | 9.5 | 9.3 |
| Septicemia | --- | 19.8 | 11.2 | 12.2 | 12.5 |
| Malignant neoplasms | 16.3 | 14.6 | 10.8 | 11.6 | 11.0 |
| Malignant neoplasms of colon and rectum | 23.1 | 20.0 | 13.1 | 15.1 | 14.1 |
| Malignant neoplasms of trachea, bronchus, and lung | * | 12.4 | 13.9 | 9.9 | 12.4 |
| Malignant neoplasms of the breast | 16.8 | 12.9 | 9.1 | 5.7 | 5.0 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | 14.7 | 14.2 | 10.6 | 11.9 | 9.5 |
| Volume depletion | --- | 10.0 | 7.9 | 9.5 | 9.7 |
| Heart disease | 13.8 | 11.0 | 8.4 | 8.0 | 7.4 |
| Acute myocardial infarction | 18.0 | 13.3 | 10.0 | 9.6 | 9.2 |
| Coronary atherosclerosis | --- | 11.8 | 10.0 | 7.8 | 6.3 |
| Other ischemic heart disease ² | 13.2 | 8.4 | 6.2 | 5.8 | 5.3 |
| Cardiac dysrhythmias | 11.3 | 8.7 | 7.3 | 7.0 | 6.0 |
| Congestive heart failure | 13.3 | 11.2 | 8.5 | 8.5 | 8.3 |
| Cerebrovascular disease | 14.7 | 13.5 | 10.9 | 10.2 | 9.5 |
| Pneumonia | 13.9 | 11.7 | 10.1 | 22.0 | 11.8 |
| Cholelithiasis | 14.9 | 12.8 | 9.6 | 9.4 | 7.3 |
| Urinary tract infection, site unspecified | *13.7 | 10.7 | 8.6 | 11.6 | 8.4 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | 14.3 | 12.8 | 11.7 | 10.1 | 10.1 |
| Injury and poisoning | 17.2 | 14.5 | 11.3 | 10.6 | 10.4 |
| Fractures, all sites | 20.3 | 17.0 | 12.6 | 11.2 | 11.9 |
| Hip fracture | 25.3 | 20.9 | 14.3 | 12.5 | 13.3 |

Table 3. Average length of stay for discharges from short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Female, 85 years and over | | | | | |
| All conditions | 14.3 | 12.0 | 9.8 | 9.6 | 9.3 |
| Septicemia | --- | * | 10.8 | 12.9 | 11.3 |
| Malignant neoplasms | 14.7 | 15.5 | 12.1 | 11.3 | 10.6 |
| Malignant neoplasms of colon and rectum | * | *21.1 | 12.7 | 21.1 | 14.0 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | *16.0 | *11.0 | *5.3 | *4.2 |
| Malignant neoplasms of the prostate | ... | ... | ... | ... | ... |
| Diabetes mellitus | *14.8 | 18.5 | *11.7 | 9.2 | 9.8 |
| Volume depletion | --- | 10.9 | 8.0 | 11.3 | 11.5 |
| Heart disease | 13.7 | 11.1 | 8.8 | 8.2 | 7.9 |
| Acute myocardial infarction | *17.5 | 14.0 | 10.2 | 10.3 | 9.9 |
| Coronary atherosclerosis | --- | 12.1 | 12.5 | * | * |
| Other ischemic heart disease ² | 13.6 | 9.7 | 5.9 | 5.7 | 5.0 |
| Cardiac dysrhythmias | * | 8.5 | 7.5 | 7.7 | 7.4 |
| Congestive heart failure | *12.5 | 11.7 | 8.4 | 8.9 | 8.4 |
| Cerebrovascular disease | 12.8 | 13.4 | 10.8 | 9.5 | 9.4 |
| Pneumonia | 14.6 | 11.1 | 8.8 | 10.8 | 10.7 |
| Cholelithiasis | *20.6 | 14.4 | 11.1 | 10.7 | 8.9 |
| Urinary tract infection, site unspecified | * | 9.8 | 8.9 | 10.7 | 8.2 |
| Hyperplasia of the prostate | ... | ... | ... | ... | ... |
| Arthropathies and related disorders | *17.8 | 10.2 | *9.3 | 9.6 | 10.9 |
| Injury and poisoning | 18.8 | 15.3 | 12.0 | 10.6 | 10.8 |
| Fractures, all sites | 21.8 | 17.7 | 12.9 | 11.1 | 12.4 |
| Hip fracture | 23.9 | 20.7 | 14.3 | 12.7 | 13.5 |

¹Comparisons of data for 1990 and 1991 with data for earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

² For 1970, the classification "other ischemic heart disease" includes all diagnoses of ischemic heart disease.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30–59 discharges are to be used with caution and are preceded with an asterisk.

NOTES: Data include races other than white and black. Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Diagnostic grouping inclusions are based on the *International Classification of Diseases, 8th Revision, adapted for use in the United States* for 1970, and on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD–9–CM)* for 1980, 1985, 1990, and 1991. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|--------|--------|--------|-------------------|-------------------|
| All races ² , all ages | | | | | |
| Number of discharges in thousands | | | | | |
| All conditions | 29,127 | 37,832 | 35,056 | 30,788 | 31,098 |
| Septicemia | --- | 59 | 149 | 216 | 240 |
| Malignant neoplasms | 1,142 | 1,873 | 1,911 | 1,571 | 1,594 |
| Malignant neoplasms of colon and rectum | 109 | 200 | 197 | 175 | 168 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 122 | 277 | 315 | 231 | 236 |
| Malignant neoplasms of the breast | 128 | 213 | 208 | 164 | 158 |
| Malignant neoplasms of the prostate | 65 | 127 | 135 | 103 | 128 |
| Diabetes mellitus | 436 | 645 | 480 | 420 | 429 |
| Volume depletion | --- | 100 | 239 | 319 | 329 |
| Heart disease | 1,869 | 3,201 | 3,584 | 3,556 | 3,704 |
| Acute myocardial infarction | 342 | 431 | 755 | 675 | 697 |
| Coronary atherosclerosis | --- | 562 | 304 | 410 | 384 |
| Other ischemic heart disease ³ | 1,034 | 793 | 992 | 870 | 876 |
| Cardiac dysrhythmias | 112 | 389 | 511 | 483 | 536 |
| Congestive heart failure | 155 | 401 | 557 | 701 | 764 |
| Cerebrovascular disease | 519 | 796 | 916 | 812 | 835 |
| Pneumonia | 683 | 782 | 854 | 1,052 | 1,088 |
| Cholelithiasis | 396 | 458 | 474 | 506 | 552 |
| Urinary tract infection, site unspecified | 108 | 221 | 225 | 295 | 286 |
| Hyperplasia of the prostate | 214 | 276 | 246 | 259 | 229 |
| Arthropathies and related disorders | 365 | 543 | 465 | 479 | 526 |
| Injury and poisoning | 3,062 | 3,593 | 3,303 | 2,774 | 2,768 |
| Fractures, all sites | 1,077 | 1,163 | 1,129 | 1,017 | 1,034 |
| Hip fracture | 159 | 210 | 258 | 281 | 300 |
| All races ² , 55-64 years | | | | | |
| All conditions | 3,274 | 4,685 | 4,312 | 3,412 | 3,378 |
| Septicemia | --- | * | 17 | 18 | 26 |
| Malignant neoplasms | 278 | 453 | 434 | 345 | 311 |
| Malignant neoplasms of colon and rectum | 29 | 45 | 45 | 43 | 26 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 42 | 86 | 92 | 72 | 68 |
| Malignant neoplasms of the breast | 32 | 57 | 47 | 33 | 31 |
| Malignant neoplasms of the prostate | 11 | 22 | 21 | 16 | 21 |
| Diabetes mellitus | 95 | 146 | 92 | 73 | 70 |
| Volume depletion | --- | * | 23 | 31 | 26 |
| Heart disease | 414 | 705 | 761 | 691 | 696 |
| Acute myocardial infarction | 97 | 110 | 174 | 140 | 139 |
| Coronary atherosclerosis | --- | 125 | 86 | 120 | 111 |
| Other ischemic heart disease ³ | 216 | 237 | 255 | 192 | 192 |
| Cardiac dysrhythmias | 26 | 76 | 87 | 87 | 86 |
| Congestive heart failure | 25 | 45 | 69 | 79 | 89 |
| Cerebrovascular disease | 84 | 126 | 142 | 111 | 103 |
| Pneumonia | 67 | 85 | 93 | 90 | 86 |
| Cholelithiasis | 71 | 89 | 82 | 78 | 95 |
| Urinary tract infection, site unspecified | *9 | 21 | 18 | 21 | 23 |
| Hyperplasia of the prostate | 50 | 71 | 54 | 54 | 42 |
| Arthropathies and related disorders | 76 | 97 | 86 | 71 | 72 |
| Injury and poisoning | 280 | 301 | 317 | 251 | 250 |
| Fractures, all sites | 115 | 100 | 106 | 80 | 84 |
| Hip fracture | 14 | 14 | 19 | 16 | 20 |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| All races², 65–74 years | | | | | |
| All conditions | 3,163 | 4,943 | 5,011 | 4,689 | 4,830 |
| Septicemia | --- | *11 | 31 | 49 | 56 |
| Malignant neoplasms | 298 | 523 | 566 | 436 | 486 |
| Malignant neoplasms of colon and rectum | 34 | 59 | 60 | 48 | 62 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 39 | 98 | 114 | 77 | 83 |
| Malignant neoplasms of the breast | 23 | 50 | 49 | 40 | 41 |
| Malignant neoplasms of the prostate | 27 | 49 | 49 | 40 | 54 |
| Diabetes mellitus | 101 | 138 | 96 | 93 | 88 |
| Volume depletion | --- | 18 | 38 | 47 | 52 |
| Heart disease | 491 | 854 | 983 | 1,000 | 1,063 |
| Acute myocardial infarction | 87 | 136 | 212 | 185 | 195 |
| Coronary atherosclerosis | --- | 144 | 81 | 132 | 127 |
| Other ischemic heart disease ³ | 290 | 202 | 285 | 259 | 262 |
| Cardiac dysrhythmias | 24 | 106 | 134 | 124 | 159 |
| Congestive heart failure | 46 | 121 | 149 | 182 | 201 |
| Cerebrovascular disease | 161 | 240 | 279 | 222 | 231 |
| Pneumonia | 84 | 123 | 144 | 173 | 199 |
| Cholelithiasis | 65 | 81 | 80 | 79 | 99 |
| Urinary tract infection, site unspecified | 15 | 34 | 39 | 54 | 50 |
| Hyperplasia of the prostate | 84 | 114 | 99 | 113 | 97 |
| Arthropathies and related disorders | 76 | 93 | 102 | 137 | 155 |
| Injury and poisoning | 236 | 283 | 305 | 318 | 331 |
| Fractures, all sites | 117 | 124 | 121 | 120 | 116 |
| Hip fracture | 32 | 41 | 43 | 48 | 43 |
| All races², 65 years and over | | | | | |
| All conditions | 5,897 | 9,864 | 10,508 | 10,333 | 10,806 |
| Septicemia | --- | 33 | 91 | 144 | 159 |
| Malignant neoplasms | 520 | 921 | 991 | 812 | 883 |
| Malignant neoplasms of colon and rectum | 63 | 123 | 127 | 112 | 124 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 57 | 142 | 169 | 119 | 125 |
| Malignant neoplasms of the breast | 43 | 86 | 81 | 72 | 73 |
| Malignant neoplasms of the prostate | 52 | 101 | 111 | 85 | 103 |
| Diabetes mellitus | 170 | 242 | 171 | 153 | 160 |
| Volume depletion | --- | 65 | 143 | 171 | 189 |
| Heart disease | 1,021 | 1,808 | 2,111 | 2,200 | 2,361 |
| Acute myocardial infarction | 162 | 238 | 436 | 401 | 424 |
| Coronary atherosclerosis | --- | 352 | 157 | 193 | 190 |
| Other ischemic heart disease ³ | 613 | 329 | 501 | 492 | 514 |
| Cardiac dysrhythmias | 45 | 225 | 324 | 308 | 361 |
| Congestive heart failure | 114 | 325 | 446 | 560 | 615 |
| Cerebrovascular disease | 372 | 585 | 686 | 610 | 640 |
| Pneumonia | 185 | 305 | 400 | 546 | 589 |
| Cholelithiasis | 105 | 138 | 157 | 145 | 168 |
| Urinary tract infection, site unspecified | 33 | 91 | 130 | 205 | 186 |
| Hyperplasia of the prostate | 145 | 188 | 179 | 195 | 180 |
| Arthropathies and related disorders | 131 | 181 | 183 | 237 | 261 |
| Injury and poisoning | 512 | 703 | 793 | 851 | 888 |
| Fractures, all sites | 294 | 375 | 419 | 448 | 452 |
| Hip fracture | 121 | 181 | 219 | 245 | 259 |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|--------|--------|--------|-------------------|-------------------|
| <i>All races², 75 years and over</i> | | | | | |
| All conditions | 2,734 | 4,921 | 5,497 | 5,644 | 5,976 |
| Septicemia | --- | 22 | 61 | 95 | 104 |
| Malignant neoplasms | 222 | 398 | 425 | 377 | 397 |
| Malignant neoplasms of colon and rectum | 29 | 64 | 68 | 64 | 62 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 18 | 44 | 56 | 42 | 42 |
| Malignant neoplasms of the breast | 19 | 36 | 31 | 33 | 32 |
| Malignant neoplasms of the prostate | 25 | 52 | 62 | 45 | 48 |
| Diabetes mellitus | 69 | 105 | 75 | 60 | 71 |
| Volume depletion | --- | 48 | 105 | 124 | 137 |
| Heart disease | 530 | 954 | 1,128 | 1,199 | 1,298 |
| Acute myocardial infarction | 75 | 102 | 224 | 216 | 229 |
| Coronary atherosclerosis | --- | 208 | 75 | 61 | 64 |
| Other ischemic heart disease ³ | 323 | 128 | 216 | 232 | 252 |
| Cardiac dysrhythmias | 21 | 119 | 190 | 184 | 202 |
| Congestive heart failure | 68 | 204 | 297 | 378 | 413 |
| Cerebrovascular disease | 211 | 344 | 407 | 388 | 409 |
| Pneumonia | 101 | 183 | 256 | 273 | 390 |
| Cholelithiasis | 40 | 57 | 76 | 66 | 69 |
| Urinary tract infection, site unspecified | 18 | 57 | 91 | 151 | 136 |
| Hyperplasia of the prostate | 61 | 74 | 80 | 82 | 83 |
| Arthropathies and related disorders | 55 | 88 | 81 | 100 | 107 |
| Injury and poisoning | 276 | 420 | 487 | 533 | 557 |
| Fractures, all sites | 177 | 251 | 298 | 328 | 336 |
| Hip fracture | 88 | 140 | 176 | 197 | 215 |
| <i>White, all ages</i> | | | | | |
| All conditions | 21,966 | 28,484 | 26,379 | 21,376 | 20,816 |
| Septicemia | --- | 42 | 115 | 152 | 169 |
| Malignant neoplasms | 904 | 1,481 | 1,535 | 1,178 | 1,156 |
| Malignant neoplasms of colon and rectum | 87 | 162 | 163 | 136 | 123 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 98 | 218 | 257 | 183 | 181 |
| Malignant neoplasms of the breast | 103 | 167 | 163 | 124 | 112 |
| Malignant neoplasms of the prostate | 50 | 98 | 108 | 77 | 94 |
| Diabetes mellitus | 316 | 442 | 327 | 271 | 247 |
| Volume depletion | --- | 77 | 186 | 235 | 240 |
| Heart disease | 1,495 | 2,596 | 2,957 | 2,685 | 2,704 |
| Acute myocardial infarction | 283 | 361 | 636 | 511 | 525 |
| Coronary atherosclerosis | --- | 472 | 262 | 320 | 299 |
| Other ischemic heart disease ³ | 836 | 664 | 830 | 671 | 651 |
| Cardiac dysrhythmias | 88 | 310 | 415 | 372 | 396 |
| Congestive heart failure | 113 | 313 | 447 | 524 | 536 |
| Cerebrovascular disease | 398 | 625 | 732 | 599 | 603 |
| Pneumonia | 523 | 601 | 660 | 748 | 749 |
| Cholelithiasis | 313 | 355 | 380 | 372 | 402 |
| Urinary tract infection, site unspecified | 84 | 172 | 179 | 220 | 201 |
| Hyperplasia of the prostate | 168 | 215 | 203 | 199 | 166 |
| Arthropathies and related disorders | 295 | 413 | 356 | 350 | 375 |
| Injury and poisoning | 2,290 | 2,658 | 2,457 | 1,893 | 1,834 |
| Fractures, all sites | 842 | 882 | 870 | 737 | 726 |
| Hip fracture | 132 | 169 | 217 | 231 | 232 |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|-------|-------|-------|-------------------|-------------------|
| White, 55–64 years | | | | | |
| All conditions | 2,607 | 3,685 | 3,451 | 2,478 | 2,370 |
| Septicemia | --- | * | 12 | 14 | 17 |
| Malignant neoplasms | 219 | 363 | 351 | 258 | 217 |
| Malignant neoplasms of colon and rectum | 14 | 37 | 36 | 35 | 15 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 34 | 67 | 75 | 56 | 50 |
| Malignant neoplasms of the breast | 27 | 47 | 35 | 24 | 22 |
| Malignant neoplasms of the prostate | *8 | 18 | 17 | 11 | 13 |
| Diabetes mellitus | 70 | 100 | 58 | 45 | 37 |
| Volume depletion | --- | * | 20 | 23 | 17 |
| Heart disease | 333 | 567 | 629 | 489 | 484 |
| Acute myocardial infarction | 82 | 91 | 147 | 100 | 101 |
| Coronary atherosclerosis | --- | 103 | 77 | 93 | 83 |
| Other ischemic heart disease ³ | 175 | 197 | 213 | 145 | 132 |
| Cardiac dysrhythmias | 21 | 59 | 71 | 64 | 58 |
| Congestive heart failure | 17 | 31 | 49 | 51 | 56 |
| Cerebrovascular disease | 62 | 97 | 107 | 77 | 72 |
| Pneumonia | 54 | 69 | 77 | 66 | 59 |
| Cholelithiasis | 57 | 73 | 68 | 62 | 71 |
| Urinary tract infection, site unspecified | *7 | 17 | 14 | 15 | 14 |
| Hyperplasia of the prostate | 38 | 56 | 43 | 36 | 29 |
| Arthropathies and related disorders | 62 | 76 | 68 | 55 | 53 |
| Injury and poisoning | 226 | 232 | 251 | 180 | 179 |
| Fractures, all sites | 94 | 77 | 87 | 58 | 63 |
| Hip fracture | 12 | 11 | 16 | 12 | 16 |
| White, 65–74 years | | | | | |
| All conditions | 2,511 | 3,936 | 4,097 | 3,562 | 3,576 |
| Septicemia | --- | *9 | 27 | 37 | 41 |
| Malignant neoplasms | 240 | 421 | 465 | 340 | 378 |
| Malignant neoplasms of colon and rectum | 26 | 46 | 46 | 39 | 49 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 32 | 78 | 94 | 63 | 63 |
| Malignant neoplasms of the breast | 18 | 40 | 40 | 33 | 31 |
| Malignant neoplasms of the prostate | 20 | 37 | 38 | 29 | 42 |
| Diabetes mellitus | 75 | 98 | 64 | 66 | 55 |
| Volume depletion | --- | 14 | 29 | 39 | 41 |
| Heart disease | 396 | 701 | 823 | 769 | 792 |
| Acute myocardial infarction | 73 | 114 | 178 | 144 | 146 |
| Coronary atherosclerosis | --- | 121 | 72 | 102 | 100 |
| Other ischemic heart disease ³ | 236 | 171 | 243 | 202 | 202 |
| Cardiac dysrhythmias | 19 | 87 | 112 | 95 | 122 |
| Congestive heart failure | 33 | 97 | 118 | 139 | 138 |
| Cerebrovascular disease | 125 | 189 | 225 | 164 | 163 |
| Pneumonia | 62 | 97 | 122 | 133 | 151 |
| Cholelithiasis | 54 | 66 | 66 | 60 | 74 |
| Urinary tract infection, site unspecified | 11 | 24 | 33 | 40 | 35 |
| Hyperplasia of the prostate | 67 | 89 | 83 | 89 | 72 |
| Arthropathies and related disorders | 65 | 74 | 82 | 106 | 117 |
| Injury and poisoning | 185 | 222 | 251 | 239 | 237 |
| Fractures, all sites | 95 | 100 | 98 | 95 | 84 |
| Hip fracture | 28 | 36 | 36 | 40 | 31 |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| White, 65 years and over | | | | | |
| All conditions | 4,719 | 7,894 | 8,688 | 7,969 | 8,107 |
| Septicemia | --- | 25 | 78 | 106 | 119 |
| Malignant neoplasms | 420 | 742 | 816 | 630 | 677 |
| Malignant neoplasms of colon and rectum | 49 | 100 | 106 | 87 | 97 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 46 | 113 | 141 | 97 | 97 |
| Malignant neoplasms of the breast | 36 | 68 | 68 | 57 | 55 |
| Malignant neoplasms of the prostate | 39 | 77 | 88 | 65 | 79 |
| Diabetes mellitus | 129 | 177 | 118 | 111 | 99 |
| Volume depletion | --- | 49 | 111 | 135 | 142 |
| Heart disease | 829 | 1,478 | 1,778 | 1,720 | 1,786 |
| Acute myocardial infarction | 135 | 201 | 370 | 314 | 320 |
| Coronary atherosclerosis | --- | 298 | 134 | 154 | 154 |
| Other ischemic heart disease ³ | 499 | 276 | 427 | 387 | 403 |
| Cardiac dysrhythmias | 36 | 182 | 272 | 246 | 278 |
| Congestive heart failure | 87 | 262 | 370 | 435 | 451 |
| Cerebrovascular disease | 294 | 466 | 563 | 463 | 476 |
| Pneumonia | 143 | 251 | 345 | 428 | 452 |
| Cholelithiasis | 87 | 111 | 129 | 111 | 128 |
| Urinary tract infection, site unspecified | 26 | 70 | 106 | 161 | 139 |
| Hyperplasia of the prostate | 116 | 147 | 149 | 154 | 132 |
| Arthropathies and related disorders | 110 | 144 | 148 | 182 | 200 |
| Injury and poisoning | 417 | 565 | 664 | 673 | 671 |
| Fractures, all sites | 245 | 301 | 352 | 371 | 348 |
| Hip fracture | 101 | 148 | 186 | 205 | 202 |
| White, 75 years and over | | | | | |
| All conditions | 2,208 | 3,958 | 4,591 | 4,407 | 4,531 |
| Septicemia | --- | 16 | 50 | 70 | 78 |
| Malignant neoplasms | 180 | 320 | 351 | 290 | 298 |
| Malignant neoplasms of colon and rectum | 23 | 54 | 60 | 48 | 48 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14 | 35 | 47 | 33 | 33 |
| Malignant neoplasms of the breast | 17 | 28 | 28 | 24 | 24 |
| Malignant neoplasms of the prostate | 20 | 40 | 50 | 35 | 37 |
| Diabetes mellitus | 54 | 78 | 54 | 44 | 44 |
| Volume depletion | --- | 36 | 82 | 95 | 101 |
| Heart disease | 432 | 777 | 956 | 950 | 994 |
| Acute myocardial infarction | 62 | 87 | 192 | 170 | 175 |
| Coronary atherosclerosis | --- | 177 | 61 | 51 | 54 |
| Other ischemic heart disease ³ | 263 | 106 | 184 | 185 | 201 |
| Cardiac dysrhythmias | 17 | 95 | 160 | 151 | 157 |
| Congestive heart failure | 54 | 165 | 252 | 295 | 313 |
| Cerebrovascular disease | 168 | 277 | 338 | 299 | 313 |
| Pneumonia | 81 | 154 | 224 | 294 | 300 |
| Cholelithiasis | 34 | 46 | 63 | 51 | 53 |
| Urinary tract infection, site unspecified | 15 | 46 | 73 | 120 | 103 |
| Hyperplasia of the prostate | 48 | 58 | 66 | 65 | 59 |
| Arthropathies and related disorders | 45 | 70 | 66 | 76 | 83 |
| Injury and poisoning | 233 | 343 | 414 | 434 | 435 |
| Fractures, all sites | 150 | 202 | 254 | 275 | 264 |
| Hip fracture | 73 | 112 | 151 | 166 | 170 |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|-------|-------|-------|-------------------|-------------------|
| Black, all ages | | | | | |
| All conditions | 2,745 | 4,176 | 4,109 | 3,611 | 3,717 |
| Septicemia | --- | *8 | 20 | 25 | 27 |
| Malignant neoplasms | 90 | 165 | 175 | 131 | 135 |
| Malignant neoplasms of colon and rectum | *6 | 16 | 14 | 12 | 14 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 9 | 27 | 29 | 19 | 21 |
| Malignant neoplasms of the breast | *9 | 17 | 21 | 11 | 15 |
| Malignant neoplasms of the prostate | *6 | 12 | 17 | *6 | 10 |
| Diabetes mellitus | 54 | 120 | 92 | 79 | 94 |
| Volume depletion | --- | 12 | 26 | 33 | 37 |
| Heart disease | 135 | 241 | 281 | 298 | 329 |
| Acute myocardial infarction | 14 | 23 | 46 | 43 | 45 |
| Coronary atherosclerosis | --- | 25 | 13 | 14 | 19 |
| Other ischemic heart disease ³ | 69 | 47 | 64 | 63 | 62 |
| Cardiac dysrhythmias | *7 | 30 | 42 | 45 | 41 |
| Congestive heart failure | 21 | 43 | 63 | 79 | 98 |
| Cerebrovascular disease | 49 | 69 | 93 | 84 | 87 |
| Pneumonia | 70 | 91 | 102 | 124 | 129 |
| Cholelithiasis | 18 | 36 | 36 | 32 | 42 |
| Urinary tract infection, site unspecified | *8 | 26 | 25 | 31 | 39 |
| Hyperplasia of the prostate | 14 | 20 | 13 | 15 | 16 |
| Arthropathies and related disorders | 23 | 44 | 42 | 36 | 37 |
| Injury and poisoning | 309 | 389 | 392 | 335 | 324 |
| Fractures, all sites | 86 | 92 | 100 | 92 | 86 |
| Hip fracture | *8 | *9 | 12 | 9 | 10 |
| Black, 55–64 years | | | | | |
| All conditions | 209 | 382 | 385 | 342 | 350 |
| Septicemia | --- | * | * | * | *2 |
| Malignant neoplasms | 22 | 36 | 41 | 29 | 31 |
| Malignant neoplasms of colon and rectum | * | * | * | * | * |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | *9 | *9 | *6 | *6 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | * | * | * | * |
| Diabetes mellitus | 12 | 28 | 22 | 13 | 19 |
| Volume depletion | --- | * | * | * | * |
| Heart disease | 28 | 53 | 62 | 70 | 76 |
| Acute myocardial infarction | * | *7 | 13 | 10 | 10 |
| Coronary atherosclerosis | --- | * | * | *3 | 7 |
| Other ischemic heart disease ³ | 15 | 14 | 17 | 15 | 18 |
| Cardiac dysrhythmias | * | *7 | *7 | 13 | 8 |
| Congestive heart failure | *5 | *8 | 12 | 16 | 19 |
| Cerebrovascular disease | 12 | 13 | 17 | 16 | 11 |
| Pneumonia | *5 | *7 | *9 | 11 | 9 |
| Cholelithiasis | * | * | * | *5 | *7 |
| Urinary tract infection, site unspecified | * | * | * | * | * |
| Hyperplasia of the prostate | * | * | * | * | * |
| Arthropathies and related disorders | * | * | *6 | *5 | *5 |
| Injury and poisoning | 17 | 25 | 26 | 23 | 23 |
| Fractures, all sites | *7 | *6 | *7 | *7 | *5 |
| Hip fracture | * | * | * | * | * |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|------|------|------|-------------------|-------------------|
| Black, 65–74 years | | | | | |
| All conditions | 198 | 361 | 395 | 356 | 378 |
| Septicemia | --- | * | * | *5 | *5 |
| Malignant neoplasms | 23 | 41 | 45 | 32 | 33 |
| Malignant neoplasms of colon and rectum | * | * | * | * | *3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | *9 | *10 | * | *9 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | *6 | *6 | * | *4 |
| Diabetes mellitus | 11 | 19 | 19 | 15 | 16 |
| Volume depletion | --- | * | * | * | *3 |
| Heart disease | 32 | 58 | 70 | 70 | 83 |
| Acute myocardial infarction | * | *7 | 14 | 11 | 12 |
| Coronary atherosclerosis | --- | *7 | * | *4 | *5 |
| Other ischemic heart disease ³ | 18 | 11 | 16 | 18 | 14 |
| Cardiac dysrhythmias | * | *6 | *9 | 10 | 10 |
| Congestive heart failure | *5 | 10 | 18 | 18 | 29 |
| Cerebrovascular disease | 14 | 21 | 29 | 23 | 21 |
| Pneumonia | *8 | *9 | *10 | 11 | 15 |
| Cholelithiasis | * | * | * | * | *7 |
| Urinary tract infection, site unspecified | * | * | * | *7 | *6 |
| Hyperplasia of the prostate | *5 | *9 | *6 | *7 | *5 |
| Arthropathies and related disorders | * | *5 | * | *5 | 8 |
| Injury and poisoning | 13 | 17 | 20 | 20 | 25 |
| Fractures, all sites | * | *5 | *8 | *7 | *7 |
| Hip fracture | * | * | * | * | * |
| Black, 65 years and over | | | | | |
| All conditions | 319 | 669 | 752 | 714 | 778 |
| Septicemia | --- | * | *9 | 14 | 15 |
| Malignant neoplasms | 32 | 66 | 76 | 57 | 60 |
| Malignant neoplasms of colon and rectum | * | *9 | *9 | *7 | 9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 11 | 13 | *8 | 12 |
| Malignant neoplasms of the breast | * | * | *5 | *4 | *4 |
| Malignant neoplasms of the prostate | *5 | 10 | 14 | *5 | 6 |
| Diabetes mellitus | 16 | 31 | 31 | 22 | 28 |
| Volume depletion | --- | *8 | 16 | 14 | 19 |
| Heart disease | 60 | 123 | 140 | 142 | 163 |
| Acute myocardial infarction | *6 | 11 | 25 | 22 | 25 |
| Coronary atherosclerosis | --- | 17 | *8 | *6 | 7 |
| Other ischemic heart disease ³ | 34 | 19 | 26 | 28 | 25 |
| Cardiac dysrhythmias | * | 15 | 20 | 20 | 22 |
| Congestive heart failure | 11 | 27 | 42 | 46 | 56 |
| Cerebrovascular disease | 25 | 44 | 59 | 51 | 54 |
| Pneumonia | 12 | 18 | 19 | 34 | 35 |
| Cholelithiasis | * | *7 | *10 | *4 | 9 |
| Urinary tract infection, site unspecified | * | *10 | 11 | 19 | 21 |
| Hyperplasia of the prostate | *8 | 14 | *9 | 10 | 14 |
| Arthropathies and related disorders | * | 12 | *10 | 10 | 10 |
| Injury and poisoning | 20 | 29 | 41 | 42 | 47 |
| Fractures, all sites | *8 | 12 | 17 | 12 | 16 |
| Hip fracture | * | *6 | *7 | *4 | 7 |

Table 4. Number of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|------|------|------|-------------------|-------------------|
| Black, 75 years and over | | | | | |
| All conditions | 121 | 307 | 357 | 358 | 400 |
| Septicemia | --- | * | *6 | 9 | 9 |
| Malignant neoplasms | 9 | 25 | 31 | 24 | 27 |
| Malignant neoplasms of colon and rectum | * | * | * | * | *6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | * | *7 | * | *3 |
| Diabetes mellitus | *5 | 12 | *12 | *7 | 13 |
| Volume depletion | --- | *6 | *11 | 11 | 16 |
| Heart disease | 29 | 65 | 69 | 72 | 80 |
| Acute myocardial infarction | * | * | *11 | 11 | 13 |
| Coronary atherosclerosis | --- | *10 | * | * | * |
| Other ischemic heart disease ³ | 16 | *8 | *11 | 10 | 12 |
| Cardiac dysrhythmias | * | *8 | 10 | 11 | 12 |
| Congestive heart failure | *6 | 18 | 24 | 29 | 28 |
| Cerebrovascular disease | 11 | 23 | 30 | 28 | 33 |
| Pneumonia | * | *10 | *9 | 22 | 20 |
| Cholelithiasis | * | * | * | * | * |
| Urinary tract infection, site unspecified | * | * | *9 | 12 | 15 |
| Hyperplasia of the prostate | * | *5 | * | * | *8 |
| Arthropathies and related disorders | * | * | * | *5 | * |
| Injury and poisoning | *8 | 11 | 21 | 21 | 22 |
| Fractures, all sites | * | *6 | *9 | 6 | 9 |
| Hip fracture | * | * | * | *3 | *5 |

¹Comparisons of data for 1990 and 1991 with data for earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Data include races other than white and black.

³For 1970, the classification "other ischemic heart disease" includes all diagnoses of ischemic heart disease.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30–59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Diagnostic grouping inclusions are based on the *International Classification of Diseases, 8th Revision, adapted for use in the United States* for 1970, and the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)* for 1980, 1985, 1990, and 1991. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| All races ² , all ages | | | | | |
| Rate per 10,000 population | | | | | |
| All conditions | 1,442.7 | 1,676.8 | 1,484.1 | 1,242.6 | 1,241.1 |
| Septicemia | --- | 2.6 | 6.3 | 8.7 | 9.6 |
| Malignant neoplasms | 56.6 | 83.0 | 80.9 | 63.4 | 63.6 |
| Malignant neoplasms of colon and rectum | 5.4 | 8.9 | 8.3 | 7.1 | 6.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 6.1 | 12.3 | 13.3 | 9.3 | 9.4 |
| Malignant neoplasms of the breast | 6.3 | 9.4 | 8.8 | 6.6 | 6.3 |
| Malignant neoplasms of the prostate | 3.2 | 5.6 | 5.7 | 4.2 | 5.1 |
| Diabetes mellitus | 21.6 | 28.6 | 20.3 | 17.0 | 17.1 |
| Volume depletion | --- | 4.4 | 10.1 | 12.9 | 13.1 |
| Heart disease | 92.6 | 141.9 | 151.7 | 143.5 | 147.8 |
| Acute myocardial infarction | 16.9 | 19.1 | 31.9 | 27.2 | 27.8 |
| Coronary atherosclerosis | --- | 24.9 | 12.9 | 16.5 | 15.3 |
| Other ischemic heart disease ³ | 51.2 | 35.1 | 42.0 | 35.1 | 35.0 |
| Cardiac dysrhythmias | 5.6 | 17.2 | 21.6 | 19.5 | 21.4 |
| Congestive heart failure | 7.7 | 17.8 | 23.6 | 28.3 | 30.5 |
| Cerebrovascular disease | 25.7 | 35.3 | 38.8 | 32.8 | 33.3 |
| Pneumonia | 33.8 | 34.7 | 36.2 | 42.4 | 43.4 |
| Cholelithiasis | 19.6 | 20.3 | 20.1 | 20.4 | 22.0 |
| Urinary tract infection, site unspecified | 5.3 | 9.8 | 9.5 | 11.9 | 11.4 |
| Hyperplasia of the prostate | 10.6 | 12.2 | 10.4 | 10.5 | 9.2 |
| Arthropathies and related disorders | 18.1 | 24.1 | 19.7 | 19.4 | 21.0 |
| Injury and poisoning | 151.7 | 159.2 | 139.8 | 111.9 | 110.5 |
| Fractures, all sites | 53.3 | 51.5 | 47.8 | 41.0 | 41.3 |
| Hip fracture | 7.9 | 9.3 | 10.9 | 11.3 | 12.0 |
| All races ² , 55-64 years | | | | | |
| All conditions | 1,753.0 | 2,153.6 | 1,948.0 | 1,618.0 | 1,608.4 |
| Septicemia | --- | * | 7.8 | 8.5 | 12.3 |
| Malignant neoplasms | 149.0 | 208.0 | 196.0 | 163.7 | 148.0 |
| Malignant neoplasms of colon and rectum | 15.5 | 20.7 | 20.4 | 20.2 | 12.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 22.7 | 39.7 | 41.7 | 34.2 | 32.5 |
| Malignant neoplasms of the breast | 17.2 | 26.1 | 21.3 | 15.8 | 14.6 |
| Malignant neoplasms of the prostate | 5.7 | 10.3 | 9.6 | 7.5 | 9.8 |
| Diabetes mellitus | 51.0 | 67.3 | 41.4 | 34.7 | 33.2 |
| Volume depletion | --- | * | 10.3 | 14.5 | 12.2 |
| Heart disease | 221.6 | 324.0 | 344.0 | 327.5 | 331.5 |
| Acute myocardial infarction | 51.7 | 50.5 | 78.6 | 66.1 | 66.2 |
| Coronary atherosclerosis | --- | 57.6 | 39.1 | 56.8 | 53.0 |
| Other ischemic heart disease ³ | 115.7 | 109.0 | 115.1 | 90.9 | 91.5 |
| Cardiac dysrhythmias | 13.8 | 35.0 | 39.4 | 41.5 | 41.1 |
| Congestive heart failure | 13.6 | 20.8 | 31.0 | 37.7 | 42.5 |
| Cerebrovascular disease | 45.2 | 58.1 | 64.1 | 52.7 | 49.0 |
| Pneumonia | 36.1 | 38.9 | 42.2 | 42.6 | 41.0 |
| Cholelithiasis | 38.0 | 40.7 | 37.2 | 37.1 | 45.3 |
| Urinary tract infection, site unspecified | *10.0 | 9.8 | 8.0 | 10.0 | 11.0 |
| Hyperplasia of the prostate | 26.8 | 32.8 | 24.6 | 25.8 | 19.8 |
| Arthropathies and related disorders | 40.5 | 44.7 | 38.8 | 33.7 | 34.4 |
| Injury and poisoning | 149.9 | 138.3 | 143.1 | 118.8 | 119.0 |
| Fractures, all sites | 61.5 | 46.0 | 47.7 | 37.7 | 39.8 |
| Hip fracture | 7.7 | 6.5 | 8.4 | 7.7 | 9.3 |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| All races ² , 65–74 years | | | | | |
| All conditions | 2,531.8 | 3,158.4 | 2,972.6 | 2,591.2 | 2,642.3 |
| Septicemia | --- | *7.0 | 18.2 | 27.0 | 30.5 |
| Malignant neoplasms | 238.8 | 334.2 | 335.6 | 240.8 | 265.6 |
| Malignant neoplasms of colon and rectum | 27.0 | 38.0 | 35.3 | 26.4 | 33.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 31.2 | 62.5 | 67.6 | 42.5 | 45.6 |
| Malignant neoplasms of the breast | 18.8 | 31.7 | 29.2 | 21.9 | 22.5 |
| Malignant neoplasms of the prostate | 21.3 | 31.6 | 28.9 | 22.0 | 29.7 |
| Diabetes mellitus | 81.1 | 87.9 | 56.8 | 51.4 | 48.3 |
| Volume depletion | --- | 11.2 | 22.7 | 26.0 | 28.7 |
| Heart disease | 393.2 | 546.0 | 582.9 | 552.8 | 581.4 |
| Acute myocardial infarction | 69.7 | 87.1 | 125.5 | 102.3 | 106.5 |
| Coronary atherosclerosis | --- | 92.2 | 48.3 | 72.8 | 69.4 |
| Other ischemic heart disease ³ | 232.0 | 128.9 | 169.2 | 143.2 | 143.3 |
| Cardiac dysrhythmias | 19.4 | 67.8 | 79.4 | 68.5 | 87.0 |
| Congestive heart failure | 36.8 | 77.3 | 88.6 | 100.6 | 110.2 |
| Cerebrovascular disease | 128.9 | 153.5 | 165.4 | 122.7 | 126.4 |
| Pneumonia | 67.1 | 78.3 | 85.3 | 95.8 | 108.9 |
| Cholelithiasis | 52.3 | 52.0 | 47.7 | 43.8 | 54.3 |
| Urinary tract infection, site unspecified | 12.2 | 21.5 | 23.1 | 29.9 | 27.3 |
| Hyperplasia of the prostate | 67.6 | 72.9 | 58.8 | 62.5 | 53.2 |
| Arthropathies and related disorders | 61.0 | 59.4 | 60.6 | 75.8 | 84.6 |
| Injury and poisoning | 188.6 | 180.7 | 181.1 | 175.7 | 180.8 |
| Fractures, all sites | 93.7 | 79.4 | 71.8 | 66.5 | 63.3 |
| Hip fracture | 26.0 | 26.5 | 25.7 | 26.5 | 23.8 |
| All races ² , 65 years and over | | | | | |
| All conditions | 2,932.7 | 3,836.9 | 3,698.0 | 3,309.3 | 3,403.1 |
| Septicemia | --- | 13.0 | 32.2 | 46.0 | 50.2 |
| Malignant neoplasms | 258.6 | 358.3 | 348.7 | 260.1 | 278.1 |
| Malignant neoplasms of colon and rectum | 31.2 | 48.0 | 44.7 | 35.7 | 39.0 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 28.5 | 55.3 | 59.6 | 38.1 | 39.3 |
| Malignant neoplasms of the breast | 21.3 | 33.4 | 28.4 | 23.2 | 23.1 |
| Malignant neoplasms of the prostate | 25.8 | 39.4 | 38.9 | 27.1 | 32.4 |
| Diabetes mellitus | 84.7 | 94.2 | 60.1 | 49.1 | 50.3 |
| Volume depletion | --- | 25.4 | 50.3 | 54.6 | 59.6 |
| Heart disease | 507.8 | 703.3 | 742.7 | 704.5 | 743.5 |
| Acute myocardial infarction | 80.7 | 92.7 | 153.3 | 128.5 | 133.5 |
| Coronary atherosclerosis | --- | 137.0 | 55.1 | 61.7 | 60.0 |
| Other ischemic heart disease ³ | 304.7 | 128.1 | 176.3 | 157.4 | 161.7 |
| Cardiac dysrhythmias | 22.5 | 87.6 | 114.0 | 98.5 | 113.7 |
| Congestive heart failure | 56.5 | 126.4 | 157.0 | 179.3 | 193.6 |
| Cerebrovascular disease | 185.1 | 227.4 | 241.3 | 195.2 | 201.5 |
| Pneumonia | 91.9 | 118.7 | 140.8 | 175.0 | 185.5 |
| Cholelithiasis | 52.3 | 53.7 | 55.2 | 46.5 | 53.0 |
| Urinary tract infection, site unspecified | 16.4 | 35.4 | 45.7 | 65.8 | 58.7 |
| Hyperplasia of the prostate | 72.1 | 73.0 | 63.0 | 62.6 | 56.7 |
| Arthropathies and related disorders | 65.0 | 70.4 | 64.4 | 76.0 | 82.3 |
| Injury and poisoning | 254.4 | 273.5 | 278.9 | 272.5 | 279.5 |
| Fractures, all sites | 146.4 | 146.0 | 147.4 | 143.6 | 142.4 |
| Hip fracture | 59.9 | 70.6 | 77.2 | 78.5 | 81.4 |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| <i>All races², 75 years and over</i> | | | | | |
| All conditions | 3,591.0 | 4,893.0 | 4,756.0 | 4,299.5 | 4,435.3 |
| Septicemia | --- | 22.3 | 52.5 | 72.2 | 77.0 |
| Malignant neoplasms | 291.2 | 395.9 | 367.6 | 286.8 | 294.9 |
| Malignant neoplasms of colon and rectum | 38.1 | 63.7 | 58.5 | 48.5 | 46.1 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 24.0 | 44.0 | 48.1 | 32.1 | 30.8 |
| Malignant neoplasms of the breast | 25.5 | 35.9 | 27.3 | 24.9 | 24.0 |
| Malignant neoplasms of the prostate | 33.3 | 51.6 | 53.6 | 34.1 | 35.9 |
| Diabetes mellitus | 90.6 | 104.0 | 64.9 | 45.9 | 52.9 |
| Volume depletion | --- | 47.5 | 90.5 | 94.1 | 101.5 |
| Heart disease | 695.7 | 948.3 | 975.8 | 913.8 | 963.3 |
| Acute myocardial infarction | 98.8 | 101.4 | 193.9 | 164.6 | 170.1 |
| Coronary atherosclerosis | --- | 206.9 | 65.0 | 46.4 | 47.2 |
| Other ischemic heart disease ³ | 424.0 | 127.0 | 186.6 | 177.1 | 186.8 |
| Cardiac dysrhythmias | 27.7 | 118.4 | 164.7 | 139.9 | 150.0 |
| Congestive heart failure | 88.7 | 202.8 | 256.6 | 287.7 | 306.8 |
| Cerebrovascular disease | 277.4 | 342.5 | 352.0 | 295.3 | 303.4 |
| Pneumonia | 132.6 | 181.5 | 221.8 | 207.9 | 289.4 |
| Cholelithiasis | 52.3 | 56.2 | 66.1 | 50.2 | 51.3 |
| Urinary tract infection, site unspecified | 23.1 | 56.9 | 78.7 | 115.3 | 101.3 |
| Hyperplasia of the prostate | 79.6 | 73.2 | 69.1 | 62.7 | 61.4 |
| Arthropathies and related disorders | 71.7 | 87.6 | 70.0 | 76.3 | 79.2 |
| Injury and poisoning | 362.6 | 418.0 | 421.6 | 406.0 | 413.4 |
| Fractures, all sites | 233.0 | 249.5 | 257.7 | 249.9 | 249.7 |
| Hip fracture | 115.7 | 139.2 | 152.4 | 150.3 | 159.6 |
| <i>White, all ages</i> | | | | | |
| All conditions | 1,242.2 | 1,468.9 | 1,314.5 | 1,028.3 | 992.9 |
| Septicemia | --- | 2.2 | 5.7 | 7.3 | 8.1 |
| Malignant neoplasms | 51.1 | 76.4 | 76.5 | 56.6 | 55.1 |
| Malignant neoplasms of colon and rectum | 4.9 | 8.4 | 8.1 | 6.5 | 5.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 5.5 | 11.2 | 12.8 | 8.8 | 8.6 |
| Malignant neoplasms of the breast | 5.8 | 8.6 | 8.1 | 6.0 | 5.4 |
| Malignant neoplasms of the prostate | 2.8 | 5.0 | 5.4 | 3.7 | 4.5 |
| Diabetes mellitus | 17.9 | 22.8 | 16.3 | 13.0 | 11.8 |
| Volume depletion | --- | 4.0 | 9.3 | 11.3 | 11.4 |
| Heart disease | 84.6 | 133.9 | 147.4 | 129.2 | 129.0 |
| Acute myocardial infarction | 16.0 | 18.6 | 31.7 | 24.6 | 25.0 |
| Coronary atherosclerosis | --- | 24.3 | 13.1 | 15.4 | 14.3 |
| Other ischemic heart disease ³ | 47.3 | 34.2 | 41.4 | 32.3 | 31.0 |
| Cardiac dysrhythmias | 5.0 | 16.0 | 20.7 | 17.9 | 18.9 |
| Congestive heart failure | 6.4 | 16.2 | 22.3 | 25.2 | 25.6 |
| Cerebrovascular disease | 22.5 | 32.2 | 36.5 | 28.8 | 28.8 |
| Pneumonia | 29.6 | 31.0 | 32.9 | 36.0 | 35.7 |
| Cholelithiasis | 17.7 | 18.3 | 18.9 | 17.9 | 19.2 |
| Urinary tract infection, site unspecified | 4.8 | 8.9 | 8.9 | 10.6 | 9.6 |
| Hyperplasia of the prostate | 9.5 | 11.1 | 10.1 | 9.6 | 7.9 |
| Arthropathies and related disorders | 16.7 | 21.3 | 17.8 | 16.8 | 17.9 |
| Injury and poisoning | 129.5 | 137.0 | 122.4 | 91.1 | 87.5 |
| Fractures, all sites | 47.6 | 45.5 | 43.4 | 35.5 | 34.6 |
| Hip fracture | 7.4 | 8.7 | 10.8 | 11.1 | 11.1 |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| White, 55–64 years | | | | | |
| All conditions | 1,541.7 | 1,888.8 | 1,755.0 | 1,341.2 | 1,291.8 |
| Septicemia | --- | * | 6.3 | 7.6 | 9.5 |
| Malignant neoplasms | 129.5 | 185.9 | 178.5 | 139.4 | 118.3 |
| Malignant neoplasms of colon and rectum | 8.0 | 18.9 | 18.5 | 18.7 | 8.2 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 20.3 | 34.4 | 38.3 | 30.5 | 27.3 |
| Malignant neoplasms of the breast | 15.8 | 24.1 | 17.9 | 13.1 | 12.0 |
| Malignant neoplasms of the prostate | 5.0 | 9.4 | 8.6 | 5.8 | 7.0 |
| Diabetes mellitus | 41.3 | 51.2 | 29.3 | 24.6 | 20.0 |
| Volume depletion | --- | * | 10.4 | 12.4 | 9.4 |
| Heart disease | 196.9 | 290.8 | 319.7 | 264.7 | 263.6 |
| Acute myocardial infarction | 48.6 | 46.8 | 74.7 | 54.2 | 55.1 |
| Coronary atherosclerosis | --- | 52.9 | 39.2 | 50.3 | 45.1 |
| Other ischemic heart disease ³ | 103.6 | 101.2 | 108.3 | 78.5 | 72.2 |
| Cardiac dysrhythmias | 12.3 | 30.4 | 35.9 | 34.4 | 31.8 |
| Congestive heart failure | 10.3 | 16.1 | 24.9 | 27.8 | 30.5 |
| Cerebrovascular disease | 36.6 | 49.5 | 54.4 | 41.7 | 39.2 |
| Pneumonia | 31.7 | 35.4 | 39.0 | 35.6 | 32.3 |
| Cholelithiasis | 33.8 | 37.4 | 34.4 | 33.5 | 38.6 |
| Urinary tract infection, site unspecified | 4.2 | 8.7 | 7.1 | 8.0 | 7.5 |
| Hyperplasia of the prostate | 22.2 | 28.6 | 21.7 | 19.6 | 15.9 |
| Arthropathies and related disorders | 36.5 | 38.8 | 34.5 | 29.9 | 29.1 |
| Injury and poisoning | 133.8 | 118.9 | 127.7 | 97.6 | 97.6 |
| Fractures, all sites | 55.4 | 39.6 | 44.0 | 31.6 | 34.4 |
| Hip fracture | 7.3 | 5.8 | 8.1 | 6.4 | 8.5 |
| White, 65–74 years | | | | | |
| All conditions | 2,213.8 | 2,790.3 | 2,701.8 | 2,197.3 | 2,189.1 |
| Septicemia | --- | *6.3 | 18.0 | 22.6 | 25.0 |
| Malignant neoplasms | 211.3 | 298.8 | 306.5 | 209.6 | 231.5 |
| Malignant neoplasms of colon and rectum | 23.0 | 32.8 | 30.2 | 23.9 | 30.1 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 28.0 | 55.1 | 62.3 | 39.1 | 38.8 |
| Malignant neoplasms of the breast | 16.3 | 28.3 | 26.1 | 20.2 | 19.0 |
| Malignant neoplasms of the prostate | 17.2 | 26.1 | 25.4 | 18.2 | 25.7 |
| Diabetes mellitus | 65.9 | 69.7 | 42.1 | 40.8 | 33.6 |
| Volume depletion | --- | 9.7 | 19.4 | 24.3 | 25.3 |
| Heart disease | 349.3 | 496.9 | 542.5 | 474.6 | 484.8 |
| Acute myocardial infarction | 64.3 | 80.9 | 117.3 | 89.0 | 89.1 |
| Coronary atherosclerosis | --- | 85.5 | 47.6 | 63.0 | 61.2 |
| Other ischemic heart disease ³ | 207.8 | 120.9 | 160.2 | 124.7 | 123.5 |
| Cardiac dysrhythmias | 16.6 | 61.7 | 73.8 | 58.5 | 74.4 |
| Congestive heart failure | 29.3 | 68.8 | 78.0 | 86.0 | 84.5 |
| Cerebrovascular disease | 110.4 | 134.1 | 148.5 | 101.0 | 99.7 |
| Pneumonia | 55.1 | 69.1 | 80.2 | 82.2 | 92.5 |
| Cholelithiasis | 47.2 | 46.5 | 43.5 | 37.1 | 45.4 |
| Urinary tract infection, site unspecified | 10.0 | 17.3 | 21.9 | 24.8 | 21.6 |
| Hyperplasia of the prostate | 59.1 | 63.3 | 54.8 | 54.8 | 44.2 |
| Arthropathies and related disorders | 57.0 | 52.3 | 54.1 | 65.3 | 71.6 |
| Injury and poisoning | 162.8 | 157.3 | 165.3 | 147.6 | 144.8 |
| Fractures, all sites | 83.6 | 70.6 | 64.3 | 58.8 | 51.5 |
| Hip fracture | 24.3 | 25.2 | 23.4 | 24.5 | 19.2 |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| White, 65 years and over | | | | | |
| All conditions | 2,566.1 | 3,387.9 | 3,381.5 | 2,831.7 | 2,836.6 |
| Septicemia | --- | 10.7 | 30.3 | 37.7 | 41.6 |
| Malignant neoplasms | 228.2 | 318.2 | 317.7 | 223.7 | 236.7 |
| Malignant neoplasms of colon and rectum | 26.8 | 43.1 | 41.1 | 30.8 | 33.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 25.0 | 48.5 | 55.0 | 34.4 | 33.9 |
| Malignant neoplasms of the breast | 19.4 | 29.1 | 26.3 | 20.3 | 19.3 |
| Malignant neoplasms of the prostate | 21.4 | 33.0 | 34.3 | 23.0 | 27.6 |
| Diabetes mellitus | 70.3 | 75.8 | 46.0 | 39.3 | 34.8 |
| Volume depletion | --- | 21.2 | 43.2 | 47.9 | 49.8 |
| Heart disease | 450.5 | 634.3 | 692.1 | 611.0 | 624.8 |
| Acute myocardial infarction | 73.3 | 86.4 | 143.9 | 111.6 | 112.1 |
| Coronary atherosclerosis | --- | 127.7 | 52.0 | 54.6 | 53.9 |
| Other ischemic heart disease ³ | 271.3 | 118.5 | 166.2 | 137.6 | 140.9 |
| Cardiac dysrhythmias | 19.4 | 78.0 | 105.9 | 87.3 | 97.4 |
| Congestive heart failure | 47.3 | 112.5 | 144.2 | 154.6 | 157.8 |
| Cerebrovascular disease | 159.7 | 200.0 | 219.3 | 164.5 | 166.5 |
| Pneumonia | 77.9 | 107.9 | 134.4 | 152.0 | 158.0 |
| Cholelithiasis | 47.4 | 47.7 | 50.3 | 39.5 | 44.6 |
| Urinary tract infection, site unspecified | 14.2 | 30.1 | 41.2 | 57.1 | 48.5 |
| Hyperplasia of the prostate | 62.8 | 63.1 | 58.1 | 54.8 | 46.1 |
| Arthropathies and related disorders | 59.6 | 61.7 | 57.4 | 64.6 | 70.0 |
| Injury and poisoning | 226.9 | 242.4 | 258.6 | 239.1 | 234.8 |
| Fractures, all sites | 133.2 | 129.3 | 136.8 | 131.7 | 121.8 |
| Hip fracture | 54.8 | 63.3 | 72.5 | 73.0 | 70.5 |
| White, 75 years and over | | | | | |
| All conditions | 3,133.4 | 4,304.6 | 4,360.4 | 3,693.9 | 3,700.8 |
| Septicemia | --- | 17.4 | 47.9 | 58.4 | 63.8 |
| Malignant neoplasms | 255.5 | 348.1 | 333.7 | 242.8 | 243.7 |
| Malignant neoplasms of colon and rectum | 32.9 | 58.8 | 56.8 | 40.3 | 38.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 20.1 | 38.3 | 44.6 | 28.1 | 27.3 |
| Malignant neoplasms of the breast | 24.3 | 30.3 | 26.5 | 20.4 | 19.7 |
| Malignant neoplasms of the prostate | 28.1 | 43.5 | 47.1 | 29.6 | 30.2 |
| Diabetes mellitus | 77.3 | 85.2 | 51.5 | 37.2 | 36.3 |
| Volume depletion | --- | 38.7 | 77.6 | 80.0 | 82.4 |
| Heart disease | 613.4 | 845.1 | 907.5 | 796.5 | 811.6 |
| Acute myocardial infarction | 87.7 | 94.9 | 182.2 | 142.2 | 142.7 |
| Coronary atherosclerosis | --- | 192.4 | 58.4 | 43.1 | 44.1 |
| Other ischemic heart disease ³ | 373.4 | 114.7 | 174.8 | 155.2 | 164.1 |
| Cardiac dysrhythmias | 23.8 | 102.9 | 152.0 | 126.5 | 128.0 |
| Congestive heart failure | 76.2 | 179.4 | 239.5 | 247.7 | 255.5 |
| Cerebrovascular disease | 239.1 | 301.1 | 321.3 | 250.7 | 255.7 |
| Pneumonia | 114.7 | 167.5 | 212.4 | 246.8 | 245.4 |
| Cholelithiasis | 47.8 | 49.6 | 60.1 | 42.7 | 43.7 |
| Urinary tract infection, site unspecified | 20.8 | 49.8 | 69.0 | 100.9 | 84.4 |
| Hyperplasia of the prostate | 68.7 | 62.7 | 62.8 | 54.7 | 48.6 |
| Arthropathies and related disorders | 63.8 | 76.1 | 62.2 | 63.7 | 67.9 |
| Injury and poisoning | 330.1 | 373.0 | 392.9 | 363.5 | 355.1 |
| Fractures, all sites | 212.9 | 219.4 | 241.3 | 230.8 | 215.6 |
| Hip fracture | 103.9 | 121.8 | 143.3 | 139.0 | 139.0 |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| Black, all ages | | | | | |
| All conditions | 1,219.9 | 1,576.9 | 1,453.7 | 1,191.7 | 1,204.7 |
| Septicemia | --- | *3.0 | 7.2 | 8.2 | 8.7 |
| Malignant neoplasms | 39.9 | 62.1 | 61.9 | 43.2 | 43.9 |
| Malignant neoplasms of colon and rectum | *2.7 | 6.0 | 5.1 | 4.0 | 4.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | *4.2 | 10.3 | 10.2 | 6.4 | 6.9 |
| Malignant neoplasms of the breast | *3.8 | 6.3 | 7.4 | 3.7 | 4.8 |
| Malignant neoplasms of the prostate | *2.8 | 4.4 | 6.1 | *2.0 | 3.3 |
| Diabetes mellitus | 24.2 | 45.2 | 32.7 | 26.1 | 30.4 |
| Volume depletion | --- | 4.5 | 9.2 | 11.0 | 11.9 |
| Heart disease | 59.9 | 90.9 | 99.5 | 98.2 | 106.6 |
| Acute myocardial infarction | 6.1 | 8.7 | 16.3 | 14.1 | 14.5 |
| Coronary atherosclerosis | --- | 9.4 | 4.5 | 4.5 | 6.2 |
| Other ischemic heart disease ³ | 30.5 | 17.8 | 22.6 | 20.9 | 20.1 |
| Cardiac dysrhythmias | *3.3 | 11.3 | 14.8 | 14.9 | 13.3 |
| Congestive heart failure | 9.5 | 16.1 | 22.4 | 26.0 | 31.9 |
| Cerebrovascular disease | 21.8 | 26.2 | 33.1 | 27.8 | 28.2 |
| Pneumonia | 30.9 | 34.5 | 36.0 | 41.1 | 41.6 |
| Cholelithiasis | 7.9 | 13.5 | 12.7 | 10.5 | 13.6 |
| Urinary tract infection, site unspecified | *3.5 | 9.8 | 8.7 | 10.3 | 12.6 |
| Hyperplasia of the prostate | 6.2 | 7.7 | 4.7 | 5.0 | 5.2 |
| Arthropathies and related disorders | 10.3 | 16.7 | 14.9 | 11.9 | 12.1 |
| Injury and poisoning | 137.4 | 146.8 | 138.6 | 110.7 | 105.0 |
| Fractures, all sites | 38.4 | 34.6 | 35.5 | 30.3 | 28.0 |
| Hip fracture | *3.4 | *3.3 | 4.1 | 2.9 | 3.4 |
| Black, 55–64 years | | | | | |
| All conditions | 1,294.0 | 1,988.7 | 1,916.2 | 1,696.9 | 1,722.2 |
| Septicemia | --- | * | * | * | *11.4 |
| Malignant neoplasms | 133.8 | 188.8 | 203.7 | 142.3 | 150.5 |
| Malignant neoplasms of colon and rectum | * | * | * | * | * |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | *47.0 | *44.5 | *31.5 | *29.0 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | * | * | * | * |
| Diabetes mellitus | 74.2 | 146.6 | 107.2 | 66.4 | 92.9 |
| Volume depletion | * | * | * | * | * |
| Heart disease | 172.3 | 276.5 | 309.2 | 347.0 | 372.9 |
| Acute myocardial infarction | * | *34.4 | 63.3 | 48.3 | 50.4 |
| Coronary atherosclerosis | --- | * | * | *15.3 | 35.0 |
| Other ischemic heart disease ³ | 90.1 | 73.2 | 86.3 | 73.1 | 86.9 |
| Cardiac dysrhythmias | * | *34.8 | *36.1 | 63.1 | 41.6 |
| Congestive heart failure | *32.4 | *39.3 | 61.2 | 79.2 | 95.8 |
| Cerebrovascular disease | 72.8 | 66.6 | 84.5 | 80.3 | 52.5 |
| Pneumonia | *33.3 | *38.8 | *43.4 | 54.7 | 42.3 |
| Cholelithiasis | * | * | * | *23.8 | *35.5 |
| Urinary tract infection, site unspecified | * | * | * | * | * |
| Hyperplasia of the prostate | * | * | * | * | * |
| Arthropathies and related disorders | * | * | *31.8 | *22.6 | *23.6 |
| Injury and poisoning | 104.0 | 127.9 | 129.3 | 112.7 | 114.9 |
| Fractures, all sites | *42.0 | *33.2 | *31.7 | *32.5 | *24.8 |
| Hip fracture | * | * | * | * | * |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|---------|---------|---------|-------------------|-------------------|
| Black, 65–74 years | | | | | |
| All conditions | 1,892.5 | 2,679.0 | 2,781.6 | 2,367.3 | 2,461.8 |
| Septicemia | --- | * | * | *35.2 | *34.2 |
| Malignant neoplasms | 217.4 | 304.6 | 319.0 | 215.3 | 214.9 |
| Malignant neoplasms of colon and rectum | * | * | * | * | *21.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | *66.3 | *67.9 | * | *61.5 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | *47.6 | *44.4 | * | *23.8 |
| Diabetes mellitus | 102.3 | 139.2 | 133.8 | 99.3 | 102.5 |
| Volume depletion | --- | * | * | * | *21.4 |
| Heart disease | 303.5 | 429.8 | 495.0 | 465.5 | 541.5 |
| Acute myocardial infarction | * | *53.0 | 96.3 | 74.1 | 76.7 |
| Coronary atherosclerosis | --- | *51.1 | * | *25.4 | *34.2 |
| Other ischemic heart disease ³ | 169.8 | 82.3 | 111.0 | 121.5 | 89.7 |
| Cardiac dysrhythmias | * | *46.4 | *65.4 | 63.6 | 68.2 |
| Congestive heart failure | 50.2 | 73.3 | 124.1 | 116.3 | 187.8 |
| Cerebrovascular disease | 137.3 | 154.0 | 203.9 | 153.3 | 137.5 |
| Pneumonia | *75.8 | *64.8 | *67.8 | 76.2 | 95.9 |
| Cholelithiasis | * | * | * | * | *44.4 |
| Urinary tract infection, site unspecified | * | * | * | *43.6 | *40.6 |
| Hyperplasia of the prostate | *49.4 | *66.5 | *39.9 | *47.8 | *35.3 |
| Arthropathies and related disorders | * | *40.9 | * | *32.5 | 49.9 |
| Injury and poisoning | 120.8 | 126.9 | 139.9 | 134.4 | 164.0 |
| Fractures, all sites | * | *39.4 | *54.1 | *43.6 | *45.4 |
| Hip fracture | * | * | * | * | * |
| Black, 65 years and over | | | | | |
| All conditions | 2,049.0 | 3,177.9 | 3,264.6 | 2,851.0 | 3,046.0 |
| Septicemia | --- | * | *37.1 | 56.2 | 57.4 |
| Malignant neoplasms | 205.2 | 314.9 | 330.0 | 227.2 | 236.7 |
| Malignant neoplasms of colon and rectum | * | *44.5 | *37.7 | *29.8 | 34.8 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 53.3 | 55.7 | *32.8 | 47.0 |
| Malignant neoplasms of the breast | * | * | *23.1 | *15.7 | *16.6 |
| Malignant neoplasms of the prostate | *32.4 | 46.8 | 59.9 | *19.2 | 24.4 |
| Diabetes mellitus | 99.5 | 147.9 | 133.4 | 87.3 | 111.6 |
| Volume depletion | --- | *40.3 | 71.6 | 56.6 | 74.8 |
| Heart disease | 386.8 | 582.3 | 606.5 | 566.9 | 638.2 |
| Acute myocardial infarction | *38.6 | 54.3 | 108.8 | 86.8 | 96.4 |
| Coronary atherosclerosis | --- | 80.2 | *34.1 | *23.1 | 29.1 |
| Other ischemic heart disease ³ | 218.7 | 90.1 | 114.1 | 111.0 | 99.0 |
| Cardiac dysrhythmias | * | 69.2 | 85.8 | 81.1 | 87.6 |
| Congestive heart failure | 73.6 | 130.6 | 181.7 | 183.8 | 220.8 |
| Cerebrovascular disease | 161.0 | 206.8 | 257.4 | 203.8 | 211.4 |
| Pneumonia | 76.8 | 87.6 | 83.0 | 133.8 | 137.1 |
| Cholelithiasis | * | *33.1 | *42.1 | *15.2 | 37.1 |
| Urinary tract infection, site unspecified | * | *47.3 | 49.7 | 75.2 | 81.9 |
| Hyperplasia of the prostate | *54.0 | 68.7 | *39.7 | 41.1 | 54.4 |
| Arthropathies and related disorders | * | 55.1 | *42.2 | 41.2 | 40.5 |
| Injury and poisoning | 129.7 | 135.8 | 176.0 | 166.4 | 184.2 |
| Fractures, all sites | *51.4 | 55.8 | 74.1 | 49.8 | 63.9 |
| Hip fracture | * | *28.3 | *30.4 | *17.6 | 27.0 |

Table 5. Rate of discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Black, 75 years and over | | | | | |
| All conditions | 2,369.0 | 4,068.8 | 4,040.6 | 3,579.4 | 3,928.8 |
| Septicemia | --- | * | *65.7 | 87.8 | 92.3 |
| Malignant neoplasms | 180.3 | 333.4 | 347.6 | 245.0 | 269.6 |
| Malignant neoplasms of colon and rectum | * | * | * | * | *55.0 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | * | *84.9 | * | *25.3 |
| Diabetes mellitus | *93.9 | 163.4 | *132.7 | *69.2 | 125.3 |
| Volume depletion | --- | *84.5 | *126.1 | 113.5 | 155.6 |
| Heart disease | 557.2 | 854.5 | 785.6 | 719.6 | 784.2 |
| Acute myocardial infarction | * | * | *128.9 | 105.9 | 126.1 |
| Coronary atherosclerosis | --- | *132.1 | * | * | * |
| Other ischemic heart disease ³ | 318.8 | *104.0 | *119.0 | 95.3 | 113.1 |
| Cardiac dysrhythmias | * | *109.9 | 118.5 | 107.6 | 116.7 |
| Congestive heart failure | *121.5 | 232.9 | 274.4 | 285.5 | 270.8 |
| Cerebrovascular disease | 209.3 | 300.9 | 343.3 | 279.8 | 323.1 |
| Pneumonia | * | *128.3 | *107.5 | 220.6 | 199.4 |
| Cholelithiasis | * | * | * | * | * |
| Urinary tract infection, site unspecified | * | * | *103.1 | 122.8 | 144.3 |
| Hyperplasia of the prostate | * | *72.7 | * | * | *83.2 |
| Arthropathies and related disorders | * | * | * | *54.3 | * |
| Injury and poisoning | *147.9 | 151.7 | 234.0 | 214.6 | 214.8 |
| Fractures, all sites | * | *85.0 | *106.1 | 59.3 | 91.9 |
| Hip fracture | * | * | * | *28.4 | *51.4 |

¹Comparisons of data for 1990 and 1991 with data for earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Data include races other than white and black.

³For 1970, the classification "other ischemic heart disease" includes all diagnoses of ischemic heart disease.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30–59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Diagnostic grouping inclusions are based on the *International Classification of Diseases, 8th Revision, adapted for use in the United States for 1970*, and the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)* for 1980, 1985, 1990, and 1991. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|------|------|------|-------------------|-------------------|
| All races ² , all ages | | | | | |
| Average length of stay in days | | | | | |
| All conditions | 7.8 | 7.3 | 6.5 | 6.4 | 6.4 |
| Septicemia | --- | 14.3 | 11.9 | 13.3 | 11.6 |
| Malignant neoplasms | 13.9 | 11.9 | 8.9 | 9.4 | 9.2 |
| Malignant neoplasms of colon and rectum | 20.4 | 15.7 | 12.3 | 13.7 | 14.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.2 | 12.8 | 9.2 | 8.5 | 8.6 |
| Malignant neoplasms of the breast | 13.2 | 10.9 | 7.2 | 4.6 | 4.4 |
| Malignant neoplasms of the prostate | 12.5 | 10.9 | 7.4 | 6.8 | 6.4 |
| Diabetes mellitus | 12.2 | 10.5 | 8.1 | 7.8 | 7.1 |
| Volume depletion | --- | 8.9 | 6.2 | 6.5 | 7.5 |
| Heart disease | 12.3 | 9.5 | 7.3 | 6.9 | 6.8 |
| Acute myocardial infarction | 16.3 | 12.6 | 9.5 | 8.4 | 8.1 |
| Coronary atherosclerosis | --- | 10.0 | 6.6 | 5.8 | 7.1 |
| Other ischemic heart disease ³ | 11.7 | 7.7 | 5.4 | 5.2 | 5.0 |
| Cardiac dysrhythmias | 7.6 | 7.6 | 6.2 | 5.8 | 5.3 |
| Congestive heart failure | 12.3 | 10.4 | 8.0 | 8.0 | 7.9 |
| Cerebrovascular disease | 14.2 | 12.7 | 10.5 | 9.5 | 9.3 |
| Pneumonia | 9.3 | 8.3 | 7.9 | 8.3 | 8.2 |
| Cholelithiasis | 11.2 | 9.3 | 7.5 | 5.8 | 5.0 |
| Urinary tract infection, site unspecified | 7.4 | 6.9 | 6.8 | 8.7 | 7.6 |
| Hyperplasia of the prostate | 12.1 | 8.9 | 6.4 | 4.9 | 5.3 |
| Arthropathies and related disorders | 10.8 | 9.4 | 7.7 | 7.8 | 7.4 |
| Injury and poisoning | 8.4 | 7.7 | 6.6 | 6.8 | 6.9 |
| Fractures, all sites | 11.6 | 10.8 | 8.7 | 8.3 | 8.4 |
| Hip fracture | 24.0 | 20.6 | 14.7 | 12.8 | 12.3 |
| All races ² , 55-64 years | | | | | |
| All conditions | 10.2 | 8.8 | 7.4 | 7.2 | 6.9 |
| Septicemia | --- | * | 11.8 | 15.1 | 11.1 |
| Malignant neoplasms | 13.6 | 11.9 | 8.7 | 9.0 | 8.1 |
| Malignant neoplasms of colon and rectum | 19.5 | 15.7 | 10.6 | 12.9 | 9.9 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.5 | 13.6 | 8.8 | 8.2 | 8.3 |
| Malignant neoplasms of the breast | 13.2 | 9.8 | 6.4 | 4.8 | 4.0 |
| Malignant neoplasms of the prostate | 11.0 | 10.4 | 7.1 | 7.6 | 5.6 |
| Diabetes mellitus | 11.8 | 10.2 | 8.7 | 9.0 | 8.0 |
| Volume depletion | --- | * | 5.7 | 6.8 | 7.4 |
| Heart disease | 12.2 | 8.9 | 6.9 | 6.3 | 6.8 |
| Acute myocardial infarction | 16.8 | 12.0 | 9.6 | 7.9 | 7.5 |
| Coronary atherosclerosis | --- | 8.5 | 5.5 | 5.3 | 10.0 |
| Other ischemic heart disease ³ | 10.8 | 7.6 | 5.1 | 5.0 | 4.5 |
| Cardiac dysrhythmias | 6.9 | 6.2 | 5.6 | 5.0 | 5.2 |
| Congestive heart failure | 12.2 | 10.5 | 7.5 | 7.0 | 7.4 |
| Cerebrovascular disease | 13.6 | 12.2 | 10.8 | 9.4 | 7.7 |
| Pneumonia | 11.0 | 9.7 | 9.1 | 8.6 | 8.1 |
| Cholelithiasis | 11.6 | 9.5 | 7.4 | 6.8 | 4.5 |
| Urinary tract infection, site unspecified | *8.9 | 6.9 | 7.1 | 8.3 | 7.5 |
| Hyperplasia of the prostate | 11.1 | 7.5 | 5.8 | 4.4 | 6.0 |
| Arthropathies and related disorders | 11.6 | 11.0 | 8.4 | 8.1 | 7.5 |
| Injury and poisoning | 10.1 | 8.7 | 7.2 | 7.5 | 7.1 |
| Fractures, all sites | 12.2 | 11.2 | 8.1 | 7.8 | 8.4 |
| Hip fracture | 23.0 | 18.7 | 13.6 | 12.3 | 10.4 |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| All races², 65–74 years | | | | | |
| All conditions | 12.0 | 10.0 | 8.2 | 8.0 | 8.1 |
| Septicemia | --- | *16.4 | 17.9 | 15.9 | 11.4 |
| Malignant neoplasms | 15.3 | 12.2 | 9.2 | 9.4 | 9.9 |
| Malignant neoplasms of colon and rectum | 20.1 | 14.8 | 13.5 | 13.0 | 17.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.1 | 12.2 | 8.7 | 9.2 | 9.1 |
| Malignant neoplasms of the breast | 14.0 | 13.0 | 8.7 | 4.5 | 4.0 |
| Malignant neoplasms of the prostate | 13.6 | 10.2 | 7.3 | 6.5 | 6.6 |
| Diabetes mellitus | 14.2 | 11.8 | 9.8 | 8.4 | 8.5 |
| Volume depletion | --- | 9.7 | 7.2 | 7.1 | 6.8 |
| Heart disease | 12.9 | 10.3 | 7.5 | 7.0 | 6.9 |
| Acute myocardial infarction | 16.4 | 13.4 | 9.6 | 8.4 | 8.9 |
| Coronary atherosclerosis | --- | 10.0 | 6.8 | 6.6 | 6.4 |
| Other ischemic heart disease ³ | 12.4 | 8.6 | 6.0 | 5.3 | 5.5 |
| Cardiac dysrhythmias | 9.4 | 9.0 | 6.5 | 5.7 | 5.1 |
| Congestive heart failure | 12.7 | 10.1 | 8.1 | 8.4 | 7.5 |
| Cerebrovascular disease | 14.9 | 12.5 | 10.1 | 8.4 | 9.6 |
| Pneumonia | 12.1 | 10.0 | 9.6 | 9.5 | 8.6 |
| Cholelithiasis | 13.0 | 10.3 | 8.5 | 6.6 | 5.5 |
| Urinary tract infection, site unspecified | 11.3 | 8.5 | 8.2 | 8.0 | 8.2 |
| Hyperplasia of the prostate | 12.1 | 8.8 | 6.3 | 4.5 | 4.6 |
| Arthropathies and related disorders | 11.7 | 12.8 | 9.7 | 9.3 | 9.2 |
| Injury and poisoning | 13.0 | 11.5 | 8.7 | 8.7 | 8.9 |
| Fractures, all sites | 16.0 | 14.4 | 10.3 | 11.1 | 10.6 |
| Hip fracture | 21.1 | 19.0 | 14.2 | 15.5 | 12.6 |
| All races², 65 years and over | | | | | |
| All conditions | 12.6 | 10.7 | 8.7 | 8.7 | 8.6 |
| Septicemia | --- | 16.9 | 13.7 | 13.5 | 12.3 |
| Malignant neoplasms | 15.2 | 13.1 | 9.7 | 10.1 | 10.1 |
| Malignant neoplasms of colon and rectum | 20.8 | 16.7 | 13.1 | 14.2 | 16.1 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.4 | 12.8 | 9.3 | 9.5 | 9.5 |
| Malignant neoplasms of the breast | 15.2 | 13.0 | 8.8 | 5.0 | 4.5 |
| Malignant neoplasms of the prostate | 13.0 | 11.0 | 7.5 | 6.7 | 6.5 |
| Diabetes mellitus | 14.7 | 12.8 | 10.1 | 9.7 | 8.9 |
| Volume depletion | --- | 10.2 | 7.7 | 8.5 | 9.8 |
| Heart disease | 13.1 | 10.5 | 7.9 | 7.6 | 7.2 |
| Acute myocardial infarction | 16.1 | 13.0 | 9.7 | 9.1 | 8.8 |
| Coronary atherosclerosis | --- | 11.1 | 7.9 | 7.0 | 6.5 |
| Other ischemic heart disease ³ | 12.7 | 8.6 | 6.1 | 5.6 | 5.6 |
| Cardiac dysrhythmias | 9.9 | 8.8 | 6.8 | 6.5 | 5.6 |
| Congestive heart failure | 12.7 | 10.6 | 8.2 | 8.3 | 7.9 |
| Cerebrovascular disease | 14.7 | 12.9 | 10.4 | 9.5 | 9.7 |
| Pneumonia | 12.5 | 11.1 | 9.9 | 10.2 | 10.2 |
| Cholelithiasis | 13.7 | 11.4 | 9.5 | 7.7 | 6.4 |
| Urinary tract infection, site unspecified | 11.4 | 9.5 | 8.3 | 10.0 | 8.4 |
| Hyperplasia of the prostate | 12.8 | 9.8 | 6.7 | 5.2 | 4.8 |
| Arthropathies and related disorders | 12.6 | 12.8 | 10.5 | 9.8 | 9.4 |
| Injury and poisoning | 14.9 | 13.2 | 10.3 | 9.9 | 9.6 |
| Fractures, all sites | 18.5 | 16.2 | 12.4 | 11.1 | 11.3 |
| Hip fracture | 24.0 | 20.5 | 15.0 | 13.0 | 12.8 |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|------|------|------|-------------------|-------------------|
| <i>All races², 75 years and over</i> | | | | | |
| All conditions | 13.3 | 11.4 | 9.2 | 9.2 | 9.0 |
| Septicemia | --- | 17.1 | 11.6 | 12.3 | 12.8 |
| Malignant neoplasms | 15.0 | 14.2 | 10.3 | 10.8 | 10.4 |
| Malignant neoplasms of colon and rectum | 21.7 | 18.4 | 12.8 | 15.0 | 14.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 15.0 | 14.2 | 10.6 | 9.9 | 10.3 |
| Malignant neoplasms of the breast | 16.8 | 12.9 | 9.0 | 5.7 | 5.0 |
| Malignant neoplasms of the prostate | 12.4 | 11.8 | 7.6 | 6.8 | 6.3 |
| Diabetes mellitus | 15.4 | 14.0 | 10.6 | 11.6 | 9.4 |
| Volume depletion | --- | 10.4 | 7.9 | 9.0 | 10.9 |
| Heart disease | 13.3 | 10.6 | 8.2 | 8.0 | 7.4 |
| Acute myocardial infarction | 15.7 | 12.5 | 9.9 | 9.7 | 8.8 |
| Coronary atherosclerosis | --- | 11.9 | 9.0 | 7.9 | 6.8 |
| Other ischemic heart disease ³ | 13.0 | 8.6 | 6.2 | 5.9 | 5.8 |
| Cardiac dysrhythmias | 10.3 | 8.6 | 7.0 | 7.1 | 6.0 |
| Congestive heart failure | 12.7 | 10.9 | 8.3 | 8.2 | 8.0 |
| Cerebrovascular disease | 14.6 | 13.2 | 10.6 | 10.1 | 9.8 |
| Pneumonia | 12.9 | 11.9 | 10.1 | 14.5 | 11.0 |
| Cholelithiasis | 14.8 | 12.8 | 10.5 | 9.0 | 7.8 |
| Urinary tract infection, site unspecified | 11.5 | 10.1 | 8.3 | 10.7 | 8.4 |
| Hyperplasia of the prostate | 13.7 | 11.2 | 7.2 | 6.1 | 5.0 |
| Arthropathies and related disorders | 13.9 | 12.8 | 11.6 | 10.3 | 9.8 |
| Injury and poisoning | 16.5 | 14.3 | 11.3 | 10.7 | 10.1 |
| Fractures, all sites | 20.1 | 17.1 | 13.2 | 11.1 | 11.5 |
| Hip fracture | 25.0 | 21.0 | 15.3 | 12.3 | 12.8 |
| <i>White, all ages</i> | | | | | |
| All conditions | 7.8 | 7.3 | 6.5 | 6.5 | 6.5 |
| Septicemia | --- | 14.8 | 12.4 | 13.8 | 11.4 |
| Malignant neoplasms | 13.8 | 11.8 | 8.8 | 9.2 | 9.1 |
| Malignant neoplasms of colon and rectum | 20.3 | 15.7 | 12.4 | 13.5 | 15.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.1 | 12.4 | 9.0 | 7.8 | 8.3 |
| Malignant neoplasms of the breast | 12.9 | 11.0 | 7.2 | 4.6 | 4.3 |
| Malignant neoplasms of the prostate | 12.5 | 10.6 | 7.1 | 7.1 | 6.5 |
| Diabetes mellitus | 12.0 | 10.3 | 8.1 | 7.9 | 6.8 |
| Volume depletion | --- | 8.1 | 6.1 | 6.5 | 7.6 |
| Heart disease | 12.3 | 9.4 | 7.3 | 6.9 | 6.8 |
| Acute myocardial infarction | 16.4 | 12.5 | 9.5 | 8.5 | 8.0 |
| Coronary atherosclerosis | --- | 9.8 | 6.6 | 5.9 | 7.5 |
| Other ischemic heart disease ³ | 11.6 | 7.6 | 5.4 | 5.1 | 5.1 |
| Cardiac dysrhythmias | 7.7 | 7.5 | 6.1 | 5.7 | 5.2 |
| Congestive heart failure | 12.7 | 10.2 | 8.0 | 7.9 | 8.0 |
| Cerebrovascular disease | 13.9 | 12.2 | 9.9 | 9.4 | 9.2 |
| Pneumonia | 9.2 | 8.4 | 8.1 | 8.5 | 8.5 |
| Cholelithiasis | 11.2 | 9.2 | 7.5 | 5.8 | 5.1 |
| Urinary tract infection, site unspecified | 7.5 | 6.6 | 6.8 | 8.6 | 7.4 |
| Hyperplasia of the prostate | 12.1 | 9.0 | 6.2 | 5.0 | 5.2 |
| Arthropathies and related disorders | 10.9 | 9.2 | 7.9 | 7.6 | 7.7 |
| Injury and poisoning | 8.4 | 7.7 | 6.8 | 6.8 | 7.2 |
| Fractures, all sites | 11.7 | 11.0 | 9.1 | 8.5 | 8.8 |
| Hip fracture | 24.1 | 20.7 | 14.9 | 12.9 | 12.7 |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|------|-------|------|-------------------|-------------------|
| White, 55–64 years | | | | | |
| All conditions | 10.0 | 8.6 | 7.3 | 7.0 | 6.7 |
| Septicemia | --- | * | 11.0 | 15.7 | 10.4 |
| Malignant neoplasms | 13.7 | 11.7 | 8.5 | 9.6 | 7.8 |
| Malignant neoplasms of colon and rectum | 20.5 | 15.8 | 11.0 | 12.1 | 10.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.0 | 12.9 | 8.7 | 7.4 | 7.9 |
| Malignant neoplasms of the breast | 12.7 | 10.0 | 6.3 | 5.1 | 3.8 |
| Malignant neoplasms of the prostate | 11.3 | 10.8 | 6.8 | 8.5 | 5.5 |
| Diabetes mellitus | 11.2 | 9.7 | 8.7 | 9.8 | 7.0 |
| Volume depletion | --- | * | 5.6 | 6.3 | 6.5 |
| Heart disease | 12.1 | 8.8 | 6.9 | 6.4 | 7.0 |
| Acute myocardial infarction | 16.7 | 11.8 | 9.7 | 8.0 | 7.7 |
| Coronary atherosclerosis | --- | 8.3 | 5.5 | 5.3 | 11.4 |
| Other ischemic heart disease ³ | 10.6 | 7.4 | 5.1 | 5.1 | 4.4 |
| Cardiac dysrhythmias | 6.9 | 6.2 | 5.6 | 4.8 | 4.3 |
| Congestive heart failure | 12.7 | 10.0 | 7.7 | 7.1 | 7.5 |
| Cerebrovascular disease | 12.1 | 11.8 | 10.0 | 9.5 | 7.1 |
| Pneumonia | 11.0 | 9.4 | 8.6 | 8.3 | 7.7 |
| Cholelithiasis | 11.4 | 9.5 | 7.4 | 6.4 | 4.4 |
| Urinary tract infection, site unspecified | *8.8 | 6.8 | 6.7 | 7.9 | 8.3 |
| Hyperplasia of the prostate | 11.1 | 7.5 | 5.5 | 4.5 | 6.8 |
| Arthropathies and related disorders | 11.6 | 10.8 | 8.5 | 7.9 | 7.7 |
| Injury and poisoning | 10.1 | 8.3 | 7.1 | 7.2 | 6.9 |
| Fractures, all sites | 12.1 | 10.7 | 7.8 | 7.7 | 8.7 |
| Hip fracture | 23.1 | 16.9 | 13.8 | 12.6 | 10.1 |
| White, 65–74 years | | | | | |
| All conditions | 11.9 | 9.8 | 8.1 | 7.9 | 8.0 |
| Septicemia | --- | *16.3 | 18.8 | 17.3 | 11.1 |
| Malignant neoplasms | 15.2 | 12.1 | 9.0 | 9.3 | 10.0 |
| Malignant neoplasms of colon and rectum | 19.5 | 15.1 | 13.8 | 13.2 | 18.8 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 13.9 | 12.0 | 8.4 | 8.4 | 8.8 |
| Malignant neoplasms of the breast | 13.8 | 12.5 | 8.6 | 4.5 | 3.7 |
| Malignant neoplasms of the prostate | 14.0 | 9.8 | 7.4 | 7.1 | 6.6 |
| Diabetes mellitus | 14.0 | 12.1 | 9.7 | 8.2 | 8.2 |
| Volume depletion | --- | 8.6 | 6.7 | 7.1 | 6.7 |
| Heart disease | 12.9 | 10.1 | 7.5 | 7.0 | 6.7 |
| Acute myocardial infarction | 16.6 | 13.3 | 9.6 | 8.3 | 8.6 |
| Coronary atherosclerosis | --- | 10.0 | 6.6 | 6.8 | 6.5 |
| Other ischemic heart disease ³ | 12.2 | 8.6 | 5.9 | 5.3 | 5.5 |
| Cardiac dysrhythmias | 10.1 | 8.5 | 6.7 | 5.7 | 5.2 |
| Congestive heart failure | 12.9 | 9.9 | 8.1 | 8.3 | 7.5 |
| Cerebrovascular disease | 14.6 | 11.6 | 9.6 | 8.2 | 10.2 |
| Pneumonia | 12.0 | 9.8 | 9.5 | 9.4 | 8.5 |
| Cholelithiasis | 13.0 | 10.2 | 8.2 | 6.7 | 5.5 |
| Urinary tract infection, site unspecified | 11.5 | 7.9 | 8.2 | 8.1 | 7.1 |
| Hyperplasia of the prostate | 12.2 | 8.7 | 6.0 | 4.5 | 4.8 |
| Arthropathies and related disorders | 11.8 | 12.9 | 9.8 | 9.3 | 9.3 |
| Injury and poisoning | 13.3 | 11.7 | 8.6 | 8.7 | 9.0 |
| Fractures, all sites | 16.5 | 14.5 | 10.7 | 11.4 | 10.8 |
| Hip fracture | 20.8 | 19.6 | 14.8 | 16.2 | 12.0 |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| White, 65 years and over | | | | | |
| All conditions | 12.6 | 10.6 | 8.7 | 8.6 | 8.6 |
| Septicemia | --- | 17.4 | 14.1 | 14.0 | 12.1 |
| Malignant neoplasms | 15.1 | 12.9 | 9.6 | 10.1 | 10.2 |
| Malignant neoplasms of colon and rectum | 20.9 | 16.7 | 13.2 | 14.4 | 16.6 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 14.6 | 12.6 | 9.0 | 8.9 | 9.2 |
| Malignant neoplasms of the breast | 15.1 | 12.9 | 8.7 | 5.1 | 4.1 |
| Malignant neoplasms of the prostate | 13.1 | 10.6 | 7.2 | 6.8 | 6.5 |
| Diabetes mellitus | 14.6 | 12.7 | 10.0 | 9.4 | 8.6 |
| Volume depletion | --- | 9.6 | 7.6 | 8.4 | 9.8 |
| Heart disease | 13.2 | 10.3 | 7.8 | 7.5 | 7.1 |
| Acute myocardial infarction | 16.3 | 12.9 | 9.8 | 9.3 | 8.6 |
| Coronary atherosclerosis | --- | 10.9 | 7.7 | 7.2 | 6.5 |
| Other ischemic heart disease ³ | 12.7 | 8.6 | 6.1 | 5.5 | 5.7 |
| Cardiac dysrhythmias | 10.1 | 8.7 | 6.7 | 6.4 | 5.7 |
| Congestive heart failure | 13.0 | 10.4 | 8.2 | 8.1 | 7.9 |
| Cerebrovascular disease | 14.6 | 12.4 | 9.9 | 9.3 | 9.7 |
| Pneumonia | 12.6 | 11.1 | 10.0 | 10.3 | 10.4 |
| Cholelithiasis | 13.5 | 11.2 | 9.3 | 7.9 | 6.4 |
| Urinary tract infection, site unspecified | 11.8 | 9.5 | 8.3 | 9.7 | 7.9 |
| Hyperplasia of the prostate | 12.8 | 9.8 | 6.5 | 5.2 | 4.9 |
| Arthropathies and related disorders | 12.7 | 12.6 | 10.8 | 9.6 | 9.7 |
| Injury and poisoning | 15.0 | 13.2 | 10.4 | 9.8 | 9.9 |
| Fractures, all sites | 18.7 | 16.3 | 12.7 | 11.1 | 11.7 |
| Hip fracture | 24.0 | 20.6 | 15.3 | 13.1 | 13.2 |
| White, 75 years and over | | | | | |
| All conditions | 13.3 | 11.3 | 9.2 | 9.2 | 9.0 |
| Septicemia | --- | 18.1 | 11.5 | 12.2 | 12.6 |
| Malignant neoplasms | 15.1 | 14.0 | 10.3 | 11.0 | 10.4 |
| Malignant neoplasms of colon and rectum | 22.4 | 18.1 | 12.8 | 15.3 | 14.4 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 16.1 | 13.8 | 10.3 | 10.0 | 9.9 |
| Malignant neoplasms of the breast | 16.6 | 13.3 | 8.9 | 5.9 | 4.6 |
| Malignant neoplasms of the prostate | 12.2 | 11.3 | 7.0 | 6.6 | 6.5 |
| Diabetes mellitus | 15.3 | 13.6 | 10.3 | 11.2 | 9.2 |
| Volume depletion | --- | 10.0 | 7.9 | 9.0 | 11.0 |
| Heart disease | 13.5 | 10.5 | 8.1 | 8.0 | 7.4 |
| Acute myocardial infarction | 15.9 | 12.4 | 10.0 | 10.1 | 8.6 |
| Coronary atherosclerosis | --- | 11.5 | 9.0 | 8.0 | 6.7 |
| Other ischemic heart disease ³ | 13.2 | 8.4 | 6.3 | 5.8 | 5.9 |
| Cardiac dysrhythmias | 10.1 | 8.8 | 6.7 | 6.9 | 6.1 |
| Congestive heart failure | 13.1 | 10.6 | 8.2 | 8.0 | 8.1 |
| Cerebrovascular disease | 14.6 | 12.9 | 10.1 | 9.9 | 9.5 |
| Pneumonia | 13.1 | 11.9 | 10.3 | 10.7 | 11.4 |
| Cholelithiasis | 14.5 | 12.6 | 10.5 | 9.3 | 7.8 |
| Urinary tract infection, site unspecified | 12.0 | 10.3 | 8.3 | 10.3 | 8.2 |
| Hyperplasia of the prostate | 13.7 | 11.6 | 7.1 | 6.2 | 5.0 |
| Arthropathies and related disorders | 14.0 | 12.3 | 12.0 | 9.9 | 10.3 |
| Injury and poisoning | 16.4 | 14.2 | 11.4 | 10.4 | 10.5 |
| Fractures, all sites | 20.0 | 17.2 | 13.5 | 11.1 | 12.0 |
| Hip fracture | 25.2 | 20.9 | 15.5 | 12.4 | 13.2 |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Black, all ages | | | | | |
| All conditions | 8.1 | 7.7 | 6.9 | 6.8 | 7.9 |
| Septicemia | --- | *15.4 | 10.0 | 11.9 | 15.2 |
| Malignant neoplasms | 15.6 | 13.3 | 11.2 | 10.9 | 10.7 |
| Malignant neoplasms of colon and rectum | *24.7 | 15.9 | 13.7 | 16.2 | 17.0 |
| Malignant neoplasms of trachea, bronchus, and lung ... | 18.4 | 14.7 | 11.4 | 14.0 | 11.9 |
| Malignant neoplasms of the breast | *15.1 | 10.7 | 9.5 | 5.2 | 5.7 |
| Malignant neoplasms of the prostate | *13.0 | 15.6 | 9.2 | *6.2 | 6.6 |
| Diabetes mellitus | 13.3 | 11.5 | 8.8 | 7.9 | 7.6 |
| Volume depletion | --- | 12.0 | 7.8 | 7.6 | 7.4 |
| Heart disease | 12.7 | 10.8 | 8.3 | 7.8 | 7.5 |
| Acute myocardial infarction | 15.6 | 15.6 | 9.4 | 9.9 | 8.7 |
| Coronary atherosclerosis | --- | 12.4 | 9.5 | 4.9 | 7.0 |
| Other ischemic heart disease ³ | 12.8 | 8.3 | 6.0 | 5.7 | 5.0 |
| Cardiac dysrhythmias | *8.2 | 8.6 | 7.9 | 6.7 | 6.1 |
| Congestive heart failure | 13.9 | 11.9 | 8.8 | 8.3 | 8.2 |
| Cerebrovascular disease | 16.1 | 16.0 | 14.9 | 10.6 | 12.0 |
| Pneumonia | 10.5 | 7.6 | 7.6 | 8.2 | 7.7 |
| Cholelithiasis | 13.0 | 10.5 | 8.2 | 5.9 | 5.7 |
| Urinary tract infection, site unspecified | *9.9 | 7.5 | 7.2 | 9.0 | 9.4 |
| Hyperplasia of the prostate | 13.9 | 10.3 | 9.2 | 6.3 | 5.7 |
| Arthropathies and related disorders | 10.1 | 10.9 | 8.3 | 11.1 | 6.9 |
| Injury and poisoning | 9.1 | 8.1 | 6.3 | 7.3 | 7.3 |
| Fractures, all sites | 12.2 | 10.7 | 8.1 | 7.8 | 8.1 |
| Hip fracture | *23.8 | *18.6 | 15.9 | 14.9 | 14.5 |
| Black, 55–64 years | | | | | |
| All conditions | 13.0 | 11.2 | 9.0 | 9.0 | 8.3 |
| Septicemia | --- | * | * | * | *13.4 |
| Malignant neoplasms | 15.9 | 15.5 | 11.2 | 12.6 | 10.0 |
| Malignant neoplasms of colon and rectum | * | * | * | * | * |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | *14.5 | *11.1 | *14.7 | *13.6 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | * | * | * | * |
| Diabetes mellitus | 14.6 | 12.5 | 8.9 | 9.5 | 8.8 |
| Volume depletion | --- | * | * | * | * |
| Heart disease | 12.9 | 9.4 | 7.4 | 7.4 | 7.5 |
| Acute myocardial infarction | * | *12.8 | 9.7 | 9.2 | 7.8 |
| Coronary atherosclerosis | --- | * | * | *3.5 | 6.9 |
| Other ischemic heart disease ³ | 13.8 | 8.2 | 6.1 | 5.6 | 5.3 |
| Cardiac dysrhythmias | * | *6.1 | *5.6 | 5.9 | 6.6 |
| Congestive heart failure | *12.3 | *13.1 | 7.5 | 6.6 | 7.6 |
| Cerebrovascular disease | 17.8 | 18.5 | 15.4 | 10.4 | 9.8 |
| Pneumonia | *14.5 | *9.7 | *13.6 | 8.6 | 10.7 |
| Cholelithiasis | * | * | * | *6.7 | *6.3 |
| Urinary tract infection, site unspecified | * | * | * | * | * |
| Hyperplasia of the prostate | * | * | * | * | * |
| Arthropathies and related disorders | * | * | *9.5 | *12.1 | *7.6 |
| Injury and poisoning | 13.2 | 12.2 | 7.6 | 9.2 | 10.2 |
| Fractures, all sites | *15.7 | *18.9 | *9.6 | *8.7 | *7.7 |
| Hip fracture | * | * | * | * | * |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | <i>1970</i> | <i>1980</i> | <i>1985</i> | <i>1990¹</i> | <i>1991¹</i> |
|--|-------------|-------------|-------------|-------------------------|-------------------------|
| Black, 65–74 years | | | | | |
| All conditions | 13.9 | 12.3 | 10.2 | 9.1 | 9.2 |
| Septicemia | --- | * | * | *11.9 | *14.2 |
| Malignant neoplasms | 15.4 | 13.3 | 11.7 | 11.7 | 10.8 |
| Malignant neoplasms of colon and rectum | * | * | * | * | *18.3 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | *14.8 | *11.4 | * | *11.7 |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | *14.8 | *7.1 | * | *7.4 |
| Diabetes mellitus | 16.8 | 11.8 | 10.8 | 8.7 | 9.1 |
| Volume depletion | --- | * | * | * | *7.2 |
| Heart disease | 15.1 | 11.6 | 8.4 | 7.4 | 7.3 |
| Acute myocardial infarction | * | *16.0 | 10.1 | 9.5 | 7.5 |
| Coronary atherosclerosis | --- | *9.7 | * | *4.7 | *7.4 |
| Other ischemic heart disease ³ | 15.3 | 8.7 | 6.7 | 5.4 | 4.9 |
| Cardiac dysrhythmias | * | *11.8 | *6.3 | 6.1 | 6.7 |
| Congestive heart failure | *17.8 | 11.1 | 8.9 | 9.8 | 7.5 |
| Cerebrovascular disease | 16.9 | 15.1 | 15.1 | 8.9 | 10.4 |
| Pneumonia | *16.5 | *11.7 | *12.5 | 10.1 | 8.8 |
| Cholelithiasis | * | * | * | * | *7.4 |
| Urinary tract infection, site unspecified | * | * | * | *9.0 | *14.9 |
| Hyperplasia of the prostate | *11.9 | *10.4 | *9.9 | *6.0 | *5.0 |
| Arthropathies and related disorders | * | *11.7 | * | *12.3 | 11.9 |
| Injury and poisoning | 13.3 | 16.6 | 11.3 | 11.2 | 10.6 |
| Fractures, all sites | * | *28.9 | *11.6 | *13.7 | *13.9 |
| Hip fracture | * | * | * | * | * |
| Black, 65 years and over | | | | | |
| All conditions | 14.0 | 12.8 | 10.8 | 10.0 | 10.0 |
| Septicemia | --- | * | *10.2 | 12.1 | 16.8 |
| Malignant neoplasms | 15.8 | 14.6 | 11.9 | 11.3 | 12.5 |
| Malignant neoplasms of colon and rectum | * | *14.1 | *15.0 | *13.2 | 18.5 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | 14.6 | 12.0 | *16.1 | 11.3 |
| Malignant neoplasms of the breast | * | * | *12.5 | *6.2 | *7.6 |
| Malignant neoplasms of the prostate | *13.8 | 15.9 | 9.6 | *6.2 | 6.6 |
| Diabetes mellitus | 15.6 | 14.1 | 12.3 | 9.8 | 9.8 |
| Volume depletion | --- | *11.5 | 9.3 | 10.0 | 9.8 |
| Heart disease | 13.8 | 12.6 | 9.2 | 8.3 | 7.8 |
| Acute myocardial infarction | *15.6 | 17.5 | 9.6 | 10.3 | 9.1 |
| Coronary atherosclerosis | --- | 14.2 | *12.4 | *5.3 | 7.3 |
| Other ischemic heart disease ³ | 13.4 | 10.0 | 6.5 | 5.8 | 5.2 |
| Cardiac dysrhythmias | * | 9.8 | 9.4 | 8.2 | 6.5 |
| Congestive heart failure | 16.0 | 12.8 | 9.1 | 9.5 | 8.3 |
| Cerebrovascular disease | 17.0 | 15.4 | 15.4 | 11.2 | 13.0 |
| Pneumonia | 14.8 | 12.2 | 11.0 | 11.5 | 11.3 |
| Cholelithiasis | * | *12.5 | *11.8 | *7.9 | 8.8 |
| Urinary tract infection, site unspecified | * | *9.0 | 9.7 | 9.4 | 12.2 |
| Hyperplasia of the prostate | *13.5 | 11.1 | *9.7 | 7.0 | 5.6 |
| Arthropathies and related disorders | * | 11.3 | *9.8 | 12.6 | 10.8 |
| Injury and poisoning | 13.6 | 15.6 | 11.2 | 14.0 | 10.3 |
| Fractures, all sites | *17.8 | 22.4 | 13.4 | 13.9 | 12.0 |
| Hip fracture | * | *19.6 | *17.3 | *16.7 | 18.1 |

Table 6. Average length of stay for discharges from short-stay hospitals, by race, age, and selected first-listed diagnosis: United States, 1970, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and first-listed diagnosis</i> | 1970 | 1980 | 1985 | 1990 ¹ | 1991 ¹ |
|--|-------|-------|-------|-------------------|-------------------|
| Black, 75 years and over | | | | | |
| All conditions | 14.2 | 13.5 | 11.4 | 11.0 | 10.8 |
| Septicemia | --- | * | *9.7 | 12.2 | 18.3 |
| Malignant neoplasms | 16.9 | 16.7 | 12.1 | 10.8 | 14.6 |
| Malignant neoplasms of colon and rectum | * | * | * | * | *18.7 |
| Malignant neoplasms of trachea, bronchus, and lung ... | * | * | * | * | * |
| Malignant neoplasms of the breast | * | * | * | * | * |
| Malignant neoplasms of the prostate | * | * | *11.7 | * | *5.5 |
| Diabetes mellitus | *12.9 | 17.5 | *14.7 | *12.2 | 10.7 |
| Volume depletion | --- | *11.6 | *9.5 | 10.8 | 10.4 |
| Heart disease | 12.4 | 13.5 | 10.0 | 9.2 | 8.3 |
| Acute myocardial infarction | * | * | *8.9 | 11.2 | 10.5 |
| Coronary atherosclerosis | --- | *17.3 | * | * | * |
| Other ischemic heart disease ³ | 11.4 | *11.9 | *6.2 | 6.5 | 5.6 |
| Cardiac dysrhythmias | * | *8.3 | 12.1 | 10.1 | 6.3 |
| Congestive heart failure | *14.5 | 13.7 | 9.2 | 9.3 | 9.0 |
| Cerebrovascular disease | 17.1 | 15.6 | 15.7 | 13.0 | 14.7 |
| Pneumonia | * | *12.7 | *9.5 | 12.3 | 13.1 |
| Cholelithiasis | * | * | * | * | * |
| Urinary tract infection, site unspecified | * | * | *9.6 | 9.7 | 11.1 |
| Hyperplasia of the prostate | * | *12.2 | * | * | *5.9 |
| Arthropathies and related disorders | * | * | * | *12.9 | 7.6 |
| Injury and poisoning | *14.2 | 14.1 | 11.1 | 16.7 | 9.8 |
| Fractures, all sites | * | *17.0 | *14.9 | 14.1 | 10.6 |
| Hip fracture | * | * | * | *16.9 | *12.5 |

¹Comparisons of data for 1990 and 1991 with data for earlier years should be made with caution as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Data include races other than white and black.

³For 1970, the classification "other ischemic heart disease" includes all diagnoses of ischemic heart disease.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30–59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Diagnostic grouping inclusions are based on the *International Classification of Diseases, 8th Revision, adapted for use in the United States* for 1970, and on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)* for 1980, 1985, 1990, and 1991. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Both sexes, all ages | | | | |
| Procedures in thousands | | | | |
| All procedures ^{3,4} | 31,412 | 36,760 | 40,506 | 43,922 |
| All surgical procedures ³ | 24,494 | 24,799 | 23,051 | 23,403 |
| All nonsurgical procedures ^{3,4} | 6,918 | 11,961 | 17,455 | 20,519 |
| Lens extraction | 467 | 211 | 66 | 86 |
| Bronchoscopy with or without biopsy | 269 | 292 | 298 | 309 |
| Removal of coronary artery obstruction | *6 | 82 | 285 | 331 |
| Coronary artery bypass graft ⁵ | 137 | 230 | 392 | 407 |
| Cardiac catheterization | 348 | 681 | 995 | 1,000 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 187 | 223 | 259 | 300 |
| Endoscopy of small intestine with or without biopsy | 282 | 537 | 785 | 804 |
| Endoscopy of large intestine with or without biopsy | 535 | 614 | 548 | 574 |
| Cholecystectomy | 458 | 475 | 522 | 571 |
| Prostatectomy | 335 | 367 | 364 | 363 |
| Open reduction of fracture with internal fixation | 301 | 393 | 391 | 418 |
| Total and partial hip replacement | 109 | 171 | 210 | 207 |
| Total knee replacement ⁶ | 127 | 160 | 129 | 160 |
| Mastectomy | 109 | 116 | 122 | 118 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 3,930 | 8,819 | 11,890 | 14,785 |
| Computerized axial tomography | 306 | 1,378 | 1,506 | 1,459 |
| Arteriography and angiocardiology using contrast material | 569 | 1,117 | 1,735 | 1,718 |
| Diagnostic ultrasound | 318 | 1,234 | 1,608 | 1,592 |
| Circulatory monitoring | 76 | 635 | 724 | 703 |
| Radioisotope scan | 525 | 838 | 603 | 539 |
| Respiratory therapy | *7 | 62 | 1,164 | 1,214 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,128 | 3,556 | 4,549 | 7,560 |
| Both sexes, 55–64 years | | | | |
| All procedures ^{3,4} | 4,022 | 5,036 | 5,059 | 5,339 |
| All surgical procedures ³ | 2,773 | 2,982 | 2,777 | 2,711 |
| All nonsurgical procedures ^{3,4} | 1,249 | 2,054 | 2,282 | 2,628 |
| Lens extraction | 83 | 32 | *7 | *9 |
| Bronchoscopy with or without biopsy | 65 | 68 | 59 | 60 |
| Removal of coronary artery obstruction | * | 27 | 87 | 97 |
| Coronary artery bypass graft ⁵ | 54 | 83 | 111 | 118 |
| Cardiac catheterization | 106 | 210 | 273 | 275 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 27 | 33 | 35 | 34 |
| Endoscopy of small intestine with or without biopsy | 55 | 90 | 118 | 117 |
| Endoscopy of large intestine with or without biopsy | 108 | 100 | 83 | 79 |
| Cholecystectomy | 86 | 88 | 85 | 97 |
| Prostatectomy | 71 | 72 | 69 | 61 |
| Open reduction of fracture with internal fixation | 29 | 45 | 40 | 40 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| <i>Both sexes, 55–64 years—Con.</i> | | | | |
| Total and partial hip replacement | 16 | 26 | 26 | 31 |
| Total knee replacement ⁶ | 19 | 22 | 24 | 29 |
| Mastectomy | 24 | 25 | 28 | 22 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 739 | 1,561 | 1,850 | 2,183 |
| Computerized axial tomography | 52 | 215 | 179 | 184 |
| Arteriography and angiocardiology using contrast material | 165 | 322 | 449 | 443 |
| Diagnostic ultrasound | 55 | 175 | 203 | 198 |
| Circulatory monitoring | 12 | 106 | 101 | 109 |
| Radioisotope scan | 101 | 147 | 93 | 86 |
| Respiratory therapy | * | *7 | 144 | 157 |
| Other miscellaneous diagnostic and therapeutic procedures | 353 | 588 | 681 | 1,007 |
| <i>Both sexes, 65–74 years</i> | | | | |
| All procedures ^{3,4} | 3,916 | 5,788 | 6,777 | 7,421 |
| All surgical procedures ³ | 2,644 | 3,211 | 3,528 | 3,651 |
| All nonsurgical procedures ^{3,4} | 1,272 | 2,578 | 3,249 | 3,770 |
| Lens extraction | 153 | 61 | 21 | 27 |
| Bronchoscopy with or without biopsy | 74 | 83 | 79 | 84 |
| Removal of coronary artery obstruction | * | 20 | 89 | 98 |
| Coronary artery bypass graft ⁵ | 33 | 68 | 140 | 146 |
| Cardiac catheterization | 71 | 178 | 296 | 296 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 55 | 63 | 70 | 85 |
| Endoscopy of small intestine with or without biopsy | 49 | 114 | 170 | 186 |
| Endoscopy of large intestine with or without biopsy | 119 | 145 | 132 | 137 |
| Cholecystectomy | 83 | 83 | 81 | 107 |
| Prostatectomy | 139 | 150 | 159 | 158 |
| Open reduction of fracture with internal fixation | 33 | 44 | 50 | 50 |
| Total and partial hip replacement | 33 | 51 | 59 | 63 |
| Total knee replacement ⁶ | 16 | 31 | 62 | 72 |
| Mastectomy | 26 | 28 | 31 | 32 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 724 | 1,950 | 2,627 | 3,129 |
| Computerized axial tomography | 58 | 300 | 309 | 285 |
| Arteriography and angiocardiology using contrast material | 140 | 320 | 514 | 506 |
| Diagnostic ultrasound | 55 | 235 | 319 | 314 |
| Circulatory monitoring | 18 | 175 | 180 | 166 |
| Radioisotope scan | 127 | 214 | 153 | 129 |
| Respiratory therapy | * | 15 | 248 | 250 |
| Other miscellaneous diagnostic and therapeutic procedures | 325 | 691 | 905 | 1,479 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Both sexes, 75–84 years | | | | |
| All procedures ^{3,4} | 2,412 | 4,006 | 4,879 | 5,581 |
| All surgical procedures ³ | 1,610 | 2,129 | 2,324 | 2,525 |
| All nonsurgical procedures ^{3,4} | 802 | 1,877 | 2,555 | 3,055 |
| Lens extraction | 146 | 75 | 24 | 28 |
| Bronchoscopy with or without biopsy | 35 | 47 | 52 | 53 |
| Removal of coronary artery obstruction | — | * | 24 | 40 |
| Coronary artery bypass graft ⁵ | * | 21 | 61 | 58 |
| Cardiac catheterization | 11 | 47 | 118 | 135 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 64 | 75 | 87 | 110 |
| Endoscopy of small intestine with or without biopsy | 32 | 97 | 174 | 184 |
| Endoscopy of large intestine with or without biopsy | 76 | 123 | 139 | 152 |
| Cholecystectomy | 37 | 54 | 52 | 60 |
| Prostatectomy | 90 | 110 | 103 | 114 |
| Open reduction of fracture with internal fixation | 42 | 64 | 65 | 68 |
| Total and partial hip replacement | 34 | 52 | 74 | 63 |
| Total knee replacement ⁶ | 11 | 24 | 29 | 44 |
| Mastectomy | 16 | 16 | 18 | 22 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 461 | 1,397 | 2,020 | 2,521 |
| Computerized axial tomography | 51 | 265 | 309 | 282 |
| Arteriography and angiocardiology using contrast material | 43 | 131 | 208 | 255 |
| Diagnostic ultrasound | 39 | 197 | 308 | 301 |
| Circulatory monitoring | 18 | 164 | 158 | 152 |
| Radioisotope scan | 97 | 158 | 120 | 100 |
| Respiratory therapy | * | 14 | 224 | 220 |
| Other miscellaneous diagnostic and therapeutic procedures | 212 | 468 | 692 | 1,211 |
| Both sexes, 65 years and over | | | | |
| All procedures ^{3,4} | 6,969 | 11,027 | 13,308 | 15,073 |
| All surgical procedures ³ | 4,704 | 5,969 | 6,569 | 6,960 |
| All nonsurgical procedures ^{3,4} | 2,265 | 5,058 | 6,739 | 8,112 |
| Lens extraction | 335 | 157 | 51 | 68 |
| Bronchoscopy with or without biopsy | 115 | 141 | 144 | 152 |
| Removal of coronary artery obstruction | * | 23 | 115 | 143 |
| Coronary artery bypass graft ⁵ | 38 | 89 | 204 | 206 |
| Cardiac catheterization | 84 | 227 | 421 | 446 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 146 | 167 | 199 | 244 |
| Endoscopy of small intestine with or without biopsy | 89 | 241 | 414 | 446 |
| Endoscopy of large intestine with or without biopsy | 217 | 322 | 329 | 353 |
| Cholecystectomy | 129 | 150 | 146 | 185 |
| Prostatectomy | 251 | 284 | 284 | 295 |
| Open reduction of fracture with internal fixation | 109 | 150 | 163 | 170 |
| Total and partial hip replacement | 81 | 128 | 162 | 158 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Both sexes, 65 years and over—Con. | | | | |
| Total knee replacement ⁶ | 28 | 58 | 95 | 121 |
| Mastectomy | 47 | 48 | 56 | 58 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 1,289 | 3,801 | 5,371 | 6,715 |
| Computerized axial tomography | 120 | 650 | 745 | 702 |
| Arteriography and angiocardiology using contrast material | 187 | 463 | 742 | 791 |
| Diagnostic ultrasound | 103 | 506 | 734 | 739 |
| Circulatory monitoring | 41 | 403 | 409 | 390 |
| Radioisotope scan | 248 | 421 | 318 | 270 |
| Respiratory therapy | * | 33 | 565 | 588 |
| Other miscellaneous diagnostic and therapeutic procedures | 586 | 1,324 | 1,858 | 3,234 |
| Both sexes, 75 years and over | | | | |
| All procedures ^{3,4} | 3,053 | 5,239 | 6,531 | 7,652 |
| All surgical procedures ³ | 2,060 | 2,759 | 3,041 | 3,310 |
| All nonsurgical procedures ^{3,4} | 993 | 2,480 | 3,490 | 4,342 |
| Lens extraction | 182 | 96 | 30 | 41 |
| Bronchoscopy with or without biopsy | 41 | 58 | 65 | 68 |
| Removal of coronary artery obstruction | — | * | 26 | 45 |
| Coronary artery bypass graft ⁵ | * | 21 | 64 | 60 |
| Cardiac catheterization | 13 | 50 | 125 | 150 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 90 | 104 | 129 | 160 |
| Endoscopy of small intestine with or without biopsy | 40 | 127 | 244 | 260 |
| Endoscopy of large intestine with or without biopsy | 98 | 176 | 198 | 216 |
| Cholecystectomy | 46 | 67 | 66 | 77 |
| Prostatectomy | 112 | 134 | 125 | 138 |
| Open reduction of fracture with internal fixation | 76 | 106 | 113 | 120 |
| Total and partial hip replacement | 48 | 77 | 103 | 95 |
| Total knee replacement ⁶ | 12 | 27 | 33 | 50 |
| Mastectomy | 21 | 20 | 25 | 26 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 564 | 1,851 | 2,744 | 3,587 |
| Computerized axial tomography | 62 | 349 | 435 | 417 |
| Arteriography and angiocardiology using contrast material | 47 | 143 | 228 | 285 |
| Diagnostic ultrasound | 49 | 272 | 416 | 426 |
| Circulatory monitoring | 23 | 228 | 230 | 224 |
| Radioisotope scan | 121 | 207 | 166 | 142 |
| Respiratory therapy | * | 18 | 317 | 338 |
| Other miscellaneous diagnostic and therapeutic procedures | 261 | 633 | 952 | 1,755 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Both sexes, 85 years and over | | | | |
| All procedures ^{3,4} | 641 | 1,233 | 1,652 | 2,071 |
| All surgical procedures ³ | 450 | 629 | 717 | 785 |
| All nonsurgical procedures ^{3,4} | 191 | 603 | 936 | 1,287 |
| Lens extraction | 36 | 21 | *7 | *12 |
| Bronchoscopy with or without biopsy | *6 | *10 | 13 | 15 |
| Removal of coronary artery obstruction | — | — | * | * |
| Coronary artery bypass graft ⁵ | — | — | * | * |
| Cardiac catheterization | * | * | *7 | 14 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 26 | 29 | 42 | 50 |
| Endoscopy of small intestine with or without biopsy | *8 | 30 | 70 | 76 |
| Endoscopy of large intestine with or without biopsy | 22 | 53 | 58 | 64 |
| Cholecystectomy | *9 | 13 | 14 | 17 |
| Prostatectomy | 22 | 25 | 22 | 23 |
| Open reduction of fracture with internal fixation | 33 | 42 | 47 | 52 |
| Total and partial hip replacement | 15 | 25 | 29 | 32 |
| Total knee replacement ⁶ | * | * | * | *5 |
| Mastectomy | * | * | *6 | *4 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 104 | 454 | 724 | 1,065 |
| Computerized axial tomography | 11 | 84 | 126 | 135 |
| Arteriography and angiocardiology using contrast material | * | *12 | 20 | 30 |
| Diagnostic ultrasound | *10 | 74 | 108 | 125 |
| Circulatory monitoring | * | 64 | 71 | 71 |
| Radioisotope scan | 24 | 50 | 46 | 41 |
| Respiratory therapy | * | * | 92 | 119 |
| Other miscellaneous diagnostic and therapeutic procedures | 49 | 165 | 261 | 544 |
| Male, all ages | | | | |
| All procedures ^{3,4} | 11,891 | 14,694 | 15,916 | 17,264 |
| All surgical procedures ³ | 8,505 | 8,805 | 8,538 | 8,692 |
| All nonsurgical procedures ^{3,4} | 3,386 | 5,889 | 7,378 | 8,572 |
| Lens extraction | 194 | 79 | 26 | 30 |
| Bronchoscopy with or without biopsy | 167 | 181 | 175 | 186 |
| Removal of coronary artery obstruction | *5 | 58 | 200 | 223 |
| Coronary artery bypass graft ⁵ | 108 | 172 | 286 | 296 |
| Cardiac catheterization | 228 | 439 | 620 | 603 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 102 | 118 | 138 | 145 |
| Endoscopy of small intestine with or without biopsy | 117 | 250 | 357 | 391 |
| Endoscopy of large intestine with or without biopsy | 228 | 269 | 212 | 234 |
| Cholecystectomy | 122 | 147 | 147 | 166 |
| Prostatectomy | 335 | 367 | 364 | 363 |
| Open reduction of fracture with internal fixation | 153 | 178 | 177 | 193 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Male, all ages—Con. | | | | |
| Total and partial hip replacement | 34 | 54 | 66 | 71 |
| Total knee replacement ⁶ | 71 | 86 | 46 | 60 |
| Mastectomy | *6 | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 1,894 | 4,279 | 5,842 | 6,981 |
| Computerized axial tomography | 152 | 671 | 736 | 702 |
| Arteriography and angiocardiology using contrast material | 355 | 693 | 1,051 | 989 |
| Diagnostic ultrasound | 114 | 478 | 667 | 652 |
| Circulatory monitoring | 39 | 332 | 344 | 339 |
| Radioisotope scan | 236 | 375 | 268 | 228 |
| Respiratory therapy | * | 34 | 586 | 596 |
| Other miscellaneous diagnostic and therapeutic procedures | 994 | 1,697 | 2,191 | 3,476 |
| Male, 55–64 years | | | | |
| All procedures ^{3,4} | 2,000 | 2,611 | 2,670 | 2,816 |
| All surgical procedures ³ | 1,331 | 1,485 | 1,469 | 1,446 |
| All nonsurgical procedures ^{3,4} | 669 | 1,126 | 1,201 | 1,370 |
| Lens extraction | 39 | 15 | * | * |
| Bronchoscopy with or without biopsy | 38 | 39 | 34 | 38 |
| Removal of coronary artery obstruction | * | 20 | 61 | 69 |
| Coronary artery bypass graft ⁵ | 43 | 63 | 88 | 87 |
| Cardiac catheterization | 72 | 142 | 179 | 180 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 17 | 22 | 23 | 19 |
| Endoscopy of small intestine with or without biopsy | 24 | 49 | 59 | 60 |
| Endoscopy of large intestine with or without biopsy | 51 | 46 | 37 | 32 |
| Cholecystectomy | 30 | 31 | 26 | 32 |
| Prostatectomy | 71 | 72 | 69 | 61 |
| Open reduction of fracture with internal fixation | 10 | 16 | 16 | 15 |
| Total and partial hip replacement | *6 | *9 | 12 | 15 |
| Total knee replacement ⁶ | *8 | *11 | 11 | 12 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 380 | 848 | 973 | 1,136 |
| Computerized axial tomography | 27 | 114 | 91 | 86 |
| Arteriography and angiocardiology using contrast material | 106 | 213 | 282 | 275 |
| Diagnostic ultrasound | 28 | 85 | 106 | 92 |
| Circulatory monitoring | *7 | 61 | 48 | 58 |
| Radioisotope scan | 45 | 72 | 46 | 35 |
| Respiratory therapy | * | * | 71 | 87 |
| Other miscellaneous diagnostic and therapeutic procedures | 166 | 297 | 329 | 502 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Male, 65–74 years | | | | |
| All procedures ^{3,4} | 2,017 | 2,906 | 3,495 | 3,787 |
| All surgical procedures ³ | 1,329 | 1,564 | 1,849 | 1,904 |
| All nonsurgical procedures ^{3,4} | 689 | 1,342 | 1,646 | 1,883 |
| Lens extraction | 62 | 25 | 9 | *10 |
| Bronchoscopy with or without biopsy | 49 | 53 | 48 | 48 |
| Removal of coronary artery obstruction | * | *11 | 58 | 60 |
| Coronary artery bypass graft ⁵ | 24 | 45 | 100 | 105 |
| Cardiac catheterization | 46 | 102 | 170 | 169 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 32 | 37 | 38 | 43 |
| Endoscopy of small intestine with or without biopsy | 22 | 58 | 74 | 98 |
| Endoscopy of large intestine with or without biopsy | 51 | 66 | 51 | 60 |
| Cholecystectomy | 31 | 34 | 33 | 41 |
| Prostatectomy | 139 | 150 | 159 | 158 |
| Open reduction of fracture with internal fixation | *11 | 12 | 15 | 17 |
| Total and partial hip replacement | 11 | 19 | 21 | 21 |
| Total knee replacement ⁶ | * | *11 | 22 | 25 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 355 | 967 | 1,308 | 1,534 |
| Computerized axial tomography | 29 | 145 | 144 | 145 |
| Arteriography and angiocardiology using contrast material | 83 | 180 | 291 | 274 |
| Diagnostic ultrasound | 25 | 114 | 151 | 155 |
| Circulatory monitoring | *10 | 95 | 94 | 87 |
| Radioisotope scan | 54 | 97 | 68 | 50 |
| Respiratory therapy | * | *8 | 124 | 124 |
| Other miscellaneous diagnostic and therapeutic procedures | 153 | 329 | 435 | 699 |
| Male, 75–84 years | | | | |
| All procedures ^{3,4} | 1,119 | 1,821 | 2,233 | 2,496 |
| All surgical procedures ³ | 735 | 958 | 1,071 | 1,156 |
| All nonsurgical procedures ^{3,4} | 383 | 863 | 1,162 | 1,340 |
| Lens extraction | 53 | 21 | 8 | *6 |
| Bronchoscopy with or without biopsy | 21 | 30 | 29 | 31 |
| Removal of coronary artery obstruction | — | * | 14 | 21 |
| Coronary artery bypass graft ⁵ | * | 12 | 36 | 38 |
| Cardiac catheterization | *6 | 23 | 63 | 60 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 32 | 34 | 44 | 58 |
| Endoscopy of small intestine with or without biopsy | *10 | 36 | 72 | 84 |
| Endoscopy of large intestine with or without biopsy | 27 | 48 | 50 | 62 |
| Cholecystectomy | 13 | 23 | 24 | 22 |
| Prostatectomy | 90 | 110 | 103 | 114 |
| Open reduction of fracture with internal fixation | *10 | 15 | 13 | 15 |
| Total and partial hip replacement | *9 | 13 | 15 | 17 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Male, 75–84 years—Con. | | | | |
| Total knee replacement ⁶ | * | *8 | 8 | 16 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 199 | 610 | 892 | 1,065 |
| Computerized axial tomography | 22 | 103 | 128 | 115 |
| Arteriography and angiocardiology using contrast material | 22 | 73 | 105 | 116 |
| Diagnostic ultrasound | 14 | 78 | 132 | 133 |
| Circulatory monitoring | *9 | 82 | 72 | 70 |
| Radioisotope scan | 41 | 64 | 47 | 41 |
| Respiratory therapy | * | *7 | 108 | 99 |
| Other miscellaneous diagnostic and therapeutic procedures | 90 | 204 | 299 | 491 |
| Male, 65 years and over | | | | |
| All procedures ^{3,4} | 3,382 | 5,194 | 6,326 | 6,994 |
| All surgical procedures ³ | 2,224 | 2,762 | 3,184 | 3,348 |
| All nonsurgical procedures ^{3,4} | 1,158 | 2,432 | 3,143 | 3,646 |
| Lens extraction | 124 | 53 | 18 | 20 |
| Bronchoscopy with or without biopsy | 73 | 89 | 80 | 88 |
| Removal of coronary artery obstruction | * | 13 | 72 | 84 |
| Coronary artery bypass graft ⁵ | 27 | 57 | 137 | 144 |
| Cardiac catheterization | 52 | 126 | 236 | 235 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 75 | 82 | 100 | 117 |
| Endoscopy of small intestine with or without biopsy | 35 | 104 | 171 | 207 |
| Endoscopy of large intestine with or without biopsy | 86 | 131 | 118 | 141 |
| Cholecystectomy | 45 | 61 | 63 | 70 |
| Prostatectomy | 251 | 284 | 284 | 295 |
| Open reduction of fracture with internal fixation | 27 | 34 | 39 | 40 |
| Total and partial hip replacement | 23 | 36 | 45 | 45 |
| Total knee replacement ⁶ | *7 | 20 | 31 | 42 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 593 | 1,734 | 2,451 | 2,931 |
| Computerized axial tomography | 54 | 280 | 309 | 294 |
| Arteriography and angiocardiology using contrast material | 107 | 258 | 406 | 401 |
| Diagnostic ultrasound | 42 | 213 | 319 | 327 |
| Circulatory monitoring | 20 | 199 | 189 | 180 |
| Radioisotope scan | 105 | 177 | 129 | 104 |
| Respiratory therapy | * | 17 | 269 | 268 |
| Other miscellaneous diagnostic and therapeutic procedures | 264 | 591 | 829 | 1,358 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Male, 75 years and over | | | | |
| All procedures ^{3,4} | 1,364 | 2,288 | 2,831 | 3,207 |
| All surgical procedures ³ | 894 | 1,198 | 1,335 | 1,444 |
| All nonsurgical procedures ^{3,4} | 469 | 1,091 | 1,497 | 1,763 |
| Lens extraction | 62 | 27 | 9 | *10 |
| Bronchoscopy with or without biopsy | 25 | 36 | 32 | 40 |
| Removal of coronary artery obstruction | — | * | 15 | 24 |
| Coronary artery bypass graft ⁵ | * | 12 | 37 | 39 |
| Cardiac catheterization | *6 | 24 | 66 | 66 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 43 | 45 | 62 | 74 |
| Endoscopy of small intestine with or without biopsy | 13 | 47 | 97 | 109 |
| Endoscopy of large intestine with or without biopsy | 35 | 66 | 67 | 81 |
| Cholecystectomy | 15 | 27 | 30 | 29 |
| Prostatectomy | 112 | 134 | 125 | 138 |
| Open reduction of fracture with internal fixation | 16 | 22 | 24 | 23 |
| Total and partial hip replacement | *12 | 17 | 23 | 24 |
| Total knee replacement ⁶ | * | *8 | 9 | 17 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 239 | 767 | 1,143 | 1,397 |
| Computerized axial tomography | 26 | 135 | 165 | 149 |
| Arteriography and angiocardiology using contrast material | 24 | 78 | 115 | 127 |
| Diagnostic ultrasound | 16 | 99 | 168 | 172 |
| Circulatory monitoring | *10 | 104 | 95 | 93 |
| Radioisotope scan | 51 | 80 | 61 | 54 |
| Respiratory therapy | * | *10 | 146 | 144 |
| Other miscellaneous diagnostic and therapeutic procedures | 111 | 262 | 393 | 659 |
| Male, 85 years and over | | | | |
| All procedures ^{3,4} | 246 | 467 | 599 | 711 |
| All surgical procedures ³ | 159 | 239 | 264 | 288 |
| All nonsurgical procedures ^{3,4} | 86 | 228 | 335 | 424 |
| Lens extraction | *9 | *7 | * | * |
| Bronchoscopy with or without biopsy | * | * | *3 | 8 |
| Removal of coronary artery obstruction | — | — | * | * |
| Coronary artery bypass graft ⁵ | — | — | * | * |
| Cardiac catheterization | * | * | * | *5 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | *11 | 11 | 18 | 17 |
| Endoscopy of small intestine with or without biopsy | * | *10 | 25 | 25 |
| Endoscopy of large intestine with or without biopsy | *8 | 18 | 17 | 19 |
| Cholecystectomy | 22 | * | *6 | *6 |
| Prostatectomy | 22 | 25 | 22 | 23 |
| Open reduction of fracture with internal fixation | *6 | *7 | 11 | 8 |
| Total and partial hip replacement | * | * | *8 | *7 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Male, 85 years and over—Con. | | | | |
| Total knee replacement ⁶ | * | * | * | * |
| Mastectomy | — | — | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 40 | 157 | 251 | 332 |
| Computerized axial tomography | * | 32 | 37 | 34 |
| Arteriography and angiocardiology using contrast material | * | * | 9 | 10 |
| Diagnostic ultrasound | * | 21 | 36 | 39 |
| Circulatory monitoring | * | 22 | 23 | 23 |
| Radioisotope scan | *10 | 16 | 14 | 13 |
| Respiratory therapy | * | * | 38 | 45 |
| Other miscellaneous diagnostic and therapeutic procedures | 20 | 58 | 94 | 168 |
| Female, all ages | | | | |
| All procedures ^{3,4} | 19,521 | 22,066 | 24,590 | 26,658 |
| All surgical procedures ³ | 15,989 | 15,994 | 14,513 | 14,711 |
| All nonsurgical procedures ^{3,4} | 3,532 | 6,072 | 10,077 | 11,947 |
| Lens extraction | 274 | 132 | 39 | 57 |
| Bronchoscopy with or without biopsy | 102 | 111 | 123 | 123 |
| Removal of coronary artery obstruction | * | 24 | 85 | 107 |
| Coronary artery bypass graft ⁵ | 29 | 58 | 106 | 111 |
| Cardiac catheterization | 120 | 241 | 376 | 397 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 85 | 105 | 121 | 155 |
| Endoscopy of small intestine with or without biopsy | 164 | 287 | 428 | 413 |
| Endoscopy of large intestine with or without biopsy | 307 | 345 | 336 | 340 |
| Cholecystectomy | 336 | 327 | 375 | 404 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 149 | 215 | 214 | 225 |
| Total and partial hip replacement | 75 | 117 | 143 | 136 |
| Total knee replacement ⁶ | 56 | 75 | 83 | 100 |
| Mastectomy | 103 | 114 | 121 | 117 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 2,036 | 4,540 | 6,048 | 7,804 |
| Computerized axial tomography | 154 | 707 | 770 | 757 |
| Arteriography and angiocardiology using contrast material | 215 | 425 | 685 | 729 |
| Diagnostic ultrasound | 204 | 756 | 941 | 940 |
| Circulatory monitoring | 37 | 303 | 380 | 364 |
| Radioisotope scan | 289 | 463 | 335 | 311 |
| Respiratory therapy | * | 27 | 578 | 618 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,134 | 1,858 | 2,358 | 4,084 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| <i>Female, 55–64 years</i> | | | | |
| All procedures ^{3,4} | 2,021 | 2,425 | 2,389 | 2,523 |
| All surgical procedures ³ | 1,442 | 1,497 | 1,307 | 1,264 |
| All nonsurgical procedures ^{3,4} | 580 | 928 | 1,081 | 1,259 |
| Lens extraction | 44 | 17 | *4 | *5 |
| Bronchoscopy with or without biopsy | 27 | 29 | 25 | 21 |
| Removal of coronary artery obstruction | — | *8 | 26 | 28 |
| Coronary artery bypass graft ⁵ | *11 | 20 | 24 | 31 |
| Cardiac catheterization | 34 | 68 | 94 | 95 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | *10 | 11 | 12 | 15 |
| Endoscopy of small intestine with or without biopsy | 31 | 41 | 60 | 57 |
| Endoscopy of large intestine with or without biopsy | 57 | 54 | 46 | 46 |
| Cholecystectomy | 55 | 57 | 59 | 65 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 19 | 29 | 25 | 25 |
| Total and partial hip replacement | *10 | 17 | 14 | 16 |
| Total knee replacement ⁶ | *11 | 11 | 13 | 17 |
| Mastectomy | 23 | 25 | 28 | 21 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 360 | 712 | 876 | 1,047 |
| Computerized axial tomography | 25 | 101 | 88 | 97 |
| Arteriography and angiocardiology using contrast material | 59 | 109 | 167 | 168 |
| Diagnostic ultrasound | 27 | 90 | 97 | 106 |
| Circulatory monitoring | *5 | 44 | 52 | 51 |
| Radioisotope scan | 55 | 75 | 47 | 51 |
| Respiratory therapy | * | * | 73 | 70 |
| Other miscellaneous diagnostic and therapeutic procedures | 187 | 291 | 352 | 504 |
| <i>Female, 65–74 years</i> | | | | |
| All procedures ^{3,4} | 1,899 | 2,883 | 3,282 | 3,633 |
| All surgical procedures ³ | 1,315 | 1,647 | 1,679 | 1,746 |
| All nonsurgical procedures ^{3,4} | 584 | 1,236 | 1,603 | 1,887 |
| Lens extraction | 91 | 36 | 12 | 17 |
| Bronchoscopy with or without biopsy | 25 | 30 | 30 | 36 |
| Removal of coronary artery obstruction | * | *9 | 31 | 38 |
| Coronary artery bypass graft ⁵ | *10 | 23 | 40 | 41 |
| Cardiac catheterization | 25 | 76 | 126 | 127 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 23 | 27 | 32 | 42 |
| Endoscopy of small intestine with or without biopsy | 27 | 56 | 96 | 88 |
| Endoscopy of large intestine with or without biopsy | 68 | 80 | 81 | 77 |
| Cholecystectomy | 52 | 49 | 48 | 66 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 22 | 32 | 35 | 33 |
| Total and partial hip replacement | 22 | 32 | 38 | 41 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Female, 65–74 years—Con. | | | | |
| Total knee replacement ⁶ | 12 | 20 | 40 | 47 |
| Mastectomy | 24 | 28 | 31 | 32 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 370 | 983 | 1,319 | 1,595 |
| Computerized axial tomography | 30 | 156 | 165 | 140 |
| Arteriography and angiocardiology using contrast material | 57 | 140 | 222 | 232 |
| Diagnostic ultrasound | 29 | 121 | 167 | 159 |
| Circulatory monitoring | *8 | 80 | 85 | 79 |
| Radioisotope scan | 73 | 116 | 85 | 79 |
| Respiratory therapy | * | *7 | 124 | 126 |
| Other miscellaneous diagnostic and therapeutic procedures | 172 | 362 | 470 | 780 |
| Female, 75–84 years | | | | |
| All procedures ^{3,4} | 1,294 | 2,185 | 2,646 | 3,084 |
| All surgical procedures ³ | 875 | 1,171 | 1,253 | 1,369 |
| All nonsurgical procedures ^{3,4} | 419 | 1,014 | 1,393 | 1,716 |
| Lens extraction | 93 | 54 | 16 | 22 |
| Bronchoscopy with or without biopsy | 14 | 18 | 24 | 22 |
| Removal of coronary artery obstruction | — | * | 10 | 19 |
| Coronary artery bypass graft ⁵ | * | *8 | 25 | 21 |
| Cardiac catheterization | *6 | 24 | 55 | 75 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 32 | 41 | 42 | 52 |
| Endoscopy of small intestine with or without biopsy | 22 | 61 | 102 | 100 |
| Endoscopy of large intestine with or without biopsy | 49 | 76 | 89 | 90 |
| Cholecystectomy | 24 | 31 | 27 | 38 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 32 | 48 | 53 | 53 |
| Total and partial hip replacement | 24 | 39 | 59 | 47 |
| Total knee replacement ⁶ | *9 | 16 | 22 | 28 |
| Mastectomy | 16 | 16 | 18 | 22 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 262 | 787 | 1,128 | 1,456 |
| Computerized axial tomography | 29 | 162 | 181 | 167 |
| Arteriography and angiocardiology using contrast material | 21 | 58 | 103 | 139 |
| Diagnostic ultrasound | 24 | 119 | 176 | 168 |
| Circulatory monitoring | *9 | 82 | 86 | 82 |
| Radioisotope scan | 57 | 94 | 73 | 60 |
| Respiratory therapy | * | * | 117 | 121 |
| Other miscellaneous diagnostic and therapeutic procedures | 122 | 265 | 392 | 720 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|--|-------|-------|---------------------|---------------------|
| Female, 65 years and over | | | | |
| All procedures ^{3,4} | 3,587 | 5,833 | 6,982 | 8,078 |
| All surgical procedures ³ | 2,480 | 3,208 | 3,385 | 3,612 |
| All nonsurgical procedures ^{3,4} | 1,107 | 2,626 | 3,596 | 4,466 |
| Lens extraction | 211 | 104 | 33 | 48 |
| Bronchoscopy with or without biopsy | 42 | 52 | 63 | 64 |
| Removal of coronary artery obstruction | * | *10 | 43 | 59 |
| Coronary artery bypass graft ⁵ | 12 | 31 | 67 | 63 |
| Cardiac catheterization | 32 | 101 | 185 | 211 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 70 | 86 | 99 | 128 |
| Endoscopy of small intestine with or without biopsy | 55 | 136 | 243 | 240 |
| Endoscopy of large intestine with or without biopsy | 131 | 190 | 211 | 212 |
| Cholecystectomy | 83 | 89 | 83 | 115 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 82 | 116 | 124 | 130 |
| Total and partial hip replacement | 58 | 92 | 118 | 113 |
| Total knee replacement ⁶ | 21 | 38 | 65 | 79 |
| Mastectomy | 45 | 48 | 55 | 58 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 695 | 2,067 | 2,920 | 3,785 |
| Computerized axial tomography | 66 | 370 | 436 | 408 |
| Arteriography and angiocardiology using contrast material | 80 | 205 | 336 | 391 |
| Diagnostic ultrasound | 62 | 294 | 415 | 412 |
| Circulatory monitoring | 21 | 204 | 220 | 210 |
| Radioisotope scan | 143 | 244 | 189 | 167 |
| Respiratory therapy | * | 16 | 295 | 320 |
| Other miscellaneous diagnostic and therapeutic procedures | 322 | 733 | 1,029 | 1,877 |
| Female, 75 years and over | | | | |
| All procedures ^{3,4} | 1,689 | 2,950 | 3,700 | 4,445 |
| All surgical procedures ³ | 1,165 | 1,561 | 1,706 | 1,866 |
| All nonsurgical procedures ^{3,4} | 523 | 1,389 | 1,993 | 2,579 |
| Lens extraction | 120 | 68 | 21 | 31 |
| Bronchoscopy with or without biopsy | 16 | 22 | 33 | 28 |
| Removal of coronary artery obstruction | — | * | 12 | 21 |
| Coronary artery bypass graft ⁵ | * | *8 | 27 | 22 |
| Cardiac catheterization | *7 | 26 | 59 | 84 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 47 | 59 | 67 | 85 |
| Endoscopy of small intestine with or without biopsy | 27 | 81 | 148 | 151 |
| Endoscopy of large intestine with or without biopsy | 63 | 110 | 130 | 135 |
| Cholecystectomy | 32 | 40 | 36 | 49 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 60 | 84 | 89 | 97 |
| Total and partial hip replacement | 36 | 60 | 80 | 72 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| <i>Female, 75 years and over—Con.</i> | | | | |
| Total knee replacement ⁶ | *9 | 19 | 24 | 33 |
| Mastectomy | 21 | 20 | 25 | 26 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 326 | 1,084 | 1,601 | 2,190 |
| Computerized axial tomography | 36 | 215 | 270 | 268 |
| Arteriography and angiocardiology using contrast material | 23 | 66 | 114 | 159 |
| Diagnostic ultrasound | 32 | 173 | 248 | 254 |
| Circulatory monitoring | 13 | 124 | 135 | 131 |
| Radioisotope scan | 70 | 128 | 104 | 88 |
| Respiratory therapy | * | *9 | 171 | 194 |
| Other miscellaneous diagnostic and therapeutic procedures | 151 | 371 | 559 | 1,096 |
| <i>Female, 85 years and over</i> | | | | |
| All procedures ^{3,4} | 395 | 766 | 1,053 | 1,360 |
| All surgical procedures ³ | 291 | 390 | 453 | 497 |
| All nonsurgical procedures ^{3,4} | 104 | 376 | 600 | 863 |
| Lens extraction | 27 | 15 | *5 | *8 |
| Bronchoscopy with or without biopsy | * | * | 10 | *7 |
| Removal of coronary artery obstruction | — | — | * | * |
| Coronary artery bypass graft ⁵ | — | — | * | * |
| Cardiac catheterization | * | * | * | 9 |
| Insertion, replacement, removal, and revision of pacemaker leads or device | 15 | 18 | 25 | 33 |
| Endoscopy of small intestine with or without biopsy | *6 | 20 | 46 | 51 |
| Endoscopy of large intestine with or without biopsy | 14 | 35 | 42 | 45 |
| Cholecystectomy | *7 | *9 | 8 | 11 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 28 | 35 | 36 | 44 |
| Total and partial hip replacement | 12 | 21 | 21 | 25 |
| Total knee replacement ⁶ | * | * | * | * |
| Mastectomy | * | * | *6 | *4 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 64 | 297 | 473 | 733 |
| Computerized axial tomography | *7 | 52 | 89 | 100 |
| Arteriography and angiocardiology using contrast material | * | *7 | 11 | 20 |
| Diagnostic ultrasound | *8 | 53 | 72 | 86 |

Table 7. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Female, 85 years and over—Con. | | | | |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} —Con. | | | | |
| Circulatory monitoring | * | 42 | 49 | 49 |
| Radioisotope scan | 14 | 34 | 32 | 28 |
| Respiratory therapy | * | * | 54 | 73 |
| Other miscellaneous diagnostic and therapeutic procedures | 29 | 106 | 167 | 376 |

¹Comparisons of data for 1990 and 1991 with earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Beginning in 1989, the definitions of some surgical and diagnostic and other nonsurgical procedures were revised, thus causing a discontinuity in the trends for the totals and selected surgical procedures. See appendix II.

³Includes procedures not listed on the table.

⁴Inpatients discharged from short-stay hospitals had an estimated 20,519,000 nonsurgical procedures in 1991. In 1990, only 17,450,000 nonsurgical procedures were reported. The main reason for this increase was that 1991 was the first year in which all ICD-9-CM procedure codes were used in the National Hospital Discharge Survey. In previous years, selected codes were excluded, primarily codes for certain miscellaneous diagnostic and therapeutic procedures. See appendix II for a list of excluded codes.

⁵In 1991, there were 407,000 all-listed coronary artery bypass graft procedures performed on only 265,000 discharged patients.

⁶For 1980 and 1985, this category is arthroplasty and replacement of knee.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30-59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Data do not reflect total use of surgical and diagnostic procedures because surgical and diagnostic procedures for outpatients are not included in the National Hospital Discharge Survey. In recent years, for example, lens extractions are frequently performed on outpatients. Surgical and nonsurgical procedure categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM). For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-----------------------------|---------------------------|---------------------------|
| Both sexes, all ages | | | | |
| | | Rate per 100,000 population | | |
| All procedures ^{3,4} | 13,922.3 | 15,561.8 | 16,347.8 | 17,529.3 |
| All surgical procedures ³ | 10,856.1 | 10,498.3 | 9,303.0 | 9,340.1 |
| All nonsurgical procedures ^{3,4} | 3,066.1 | 5,063.5 | 7,044.7 | 8,189.2 |
| Lens extraction | 207.2 | 89.5 | 26.5 | 34.4 |
| Bronchoscopy with or without biopsy | 119.2 | 123.6 | 120.2 | 123.4 |
| Removal of coronary artery obstruction | *2.6 | 34.7 | 115.2 | 131.9 |
| Coronary artery bypass graft ⁵ | 60.8 | 97.5 | 158.3 | 162.6 |
| Cardiac catheterization | 154.4 | 288.1 | 401.8 | 399.1 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 83.0 | 94.6 | 104.5 | 119.6 |
| Endoscopy of small intestine with or without biopsy | 124.8 | 227.4 | 316.7 | 320.9 |
| Endoscopy of large intestine with or without biopsy | 237.2 | 260.1 | 221.1 | 229.0 |
| Cholecystectomy | 203.0 | 201.0 | 210.7 | 227.8 |
| Prostatectomy | 148.5 | 155.3 | 146.8 | 145.1 |
| Open reduction of fracture with internal fixation | 133.6 | 166.4 | 157.8 | 166.7 |
| Total and partial hip replacement | 48.4 | 72.4 | 84.6 | 82.5 |
| Total knee replacement ⁶ | 56.4 | 67.9 | 52.1 | 64.0 |
| Mastectomy | 48.2 | 49.1 | 49.2 | 47.2 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 1,741.8 | 3,733.4 | 4,798.6 | 5,900.5 |
| Computerized axial tomography | 135.6 | 583.2 | 607.7 | 582.4 |
| Arteriography and angiocardiology using contrast material | 252.3 | 472.9 | 700.3 | 685.8 |
| Diagnostic ultrasound | 141.2 | 522.3 | 649.2 | 635.2 |
| Circulatory monitoring | 33.7 | 268.8 | 292.3 | 280.5 |
| Radioisotope scan | 232.6 | 354.8 | 243.4 | 215.0 |
| Respiratory therapy | *3.3 | 26.1 | 469.8 | 484.5 |
| Other miscellaneous diagnostic and therapeutic procedures | 943.2 | 1,505.3 | 1,835.9 | 3,017.1 |
| Both sexes, 55–64 years | | | | |
| All procedures ^{3,4} | 18,487.6 | 22,754.5 | 23,987.7 | 25,419.2 |
| All surgical procedures ³ | 12,745.9 | 13,474.3 | 13,166.2 | 12,905.4 |
| All nonsurgical procedures ^{3,4} | 5,741.6 | 9,280.2 | 10,821.5 | 12,513.8 |
| Lens extraction | 381.8 | 143.8 | *34.5 | 42.0 |
| Bronchoscopy with or without biopsy | 299.0 | 306.5 | 278.2 | 284.2 |
| Removal of coronary artery obstruction | * | 123.4 | 412.3 | 461.5 |
| Coronary artery bypass graft ⁵ | 247.7 | 373.8 | 528.1 | 562.6 |
| Cardiac catheterization | 487.0 | 950.4 | 1,294.7 | 1,309.6 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 124.2 | 148.9 | 167.3 | 162.0 |
| Endoscopy of small intestine with or without biopsy | 253.1 | 407.4 | 561.5 | 557.5 |
| Endoscopy of large intestine with or without biopsy | 497.5 | 452.9 | 392.7 | 373.9 |
| Cholecystectomy | 393.3 | 397.0 | 403.4 | 463.5 |
| Prostatectomy | 327.5 | 326.0 | 328.1 | 288.1 |
| Open reduction of fracture with internal fixation | 134.2 | 204.1 | 191.9 | 191.5 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>Both sexes, 55–64 years—Con.</i> | | | | |
| Total and partial hip replacement | 72.1 | 116.0 | 122.6 | 147.7 |
| Total knee replacement ⁶ | 86.8 | 100.8 | 114.2 | 137.8 |
| Mastectomy | 111.4 | 114.2 | 134.0 | 102.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 3,399.2 | 7,052.1 | 8,770.2 | 10,394.0 |
| Computerized axial tomography | 240.4 | 972.4 | 847.7 | 873.7 |
| Arteriography and angiocardiology using contrast material | 757.0 | 1,456.8 | 2,127.3 | 2,109.4 |
| Diagnostic ultrasound | 251.9 | 790.2 | 964.7 | 942.1 |
| Circulatory monitoring | 55.7 | 477.4 | 478.0 | 518.6 |
| Radioisotope scan | 462.1 | 663.9 | 441.8 | 410.2 |
| Respiratory therapy | * | *33.3 | 681.3 | 747.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,623.3 | 2,658.0 | 3,229.5 | 4,792.6 |
| <i>Both sexes, 65–74 years</i> | | | | |
| All procedures ^{3,4} | 25,021.7 | 34,335.2 | 37,446.9 | 40,594.6 |
| All surgical procedures ³ | 16,891.6 | 19,045.7 | 19,494.6 | 19,970.5 |
| All nonsurgical procedures ^{3,4} | 8,130.1 | 15,289.4 | 17,952.3 | 20,624.2 |
| Lens extraction | 978.5 | 364.4 | 116.1 | 147.9 |
| Bronchoscopy with or without biopsy | 473.7 | 495.2 | 433.8 | 459.3 |
| Removal of coronary artery obstruction | * | 118.4 | 490.3 | 536.5 |
| Coronary artery bypass graft ⁵ | 213.3 | 402.8 | 773.3 | 798.7 |
| Cardiac catheterization | 454.3 | 1,055.1 | 1,637.0 | 1,620.5 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 351.8 | 375.8 | 384.9 | 464.1 |
| Endoscopy of small intestine with or without biopsy | 312.9 | 675.5 | 939.7 | 1,019.4 |
| Endoscopy of large intestine with or without biopsy | 758.8 | 863.0 | 728.7 | 747.0 |
| Cholecystectomy | 527.1 | 494.3 | 445.6 | 587.5 |
| Prostatectomy | 889.5 | 888.8 | 878.4 | 862.4 |
| Open reduction of fracture with internal fixation | 210.4 | 260.7 | 276.6 | 273.7 |
| Total and partial hip replacement | 211.0 | 304.5 | 326.5 | 342.7 |
| Total knee replacement ⁶ | 100.4 | 184.2 | 342.5 | 392.5 |
| Mastectomy | 165.9 | 167.8 | 170.5 | 176.4 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 4,627.1 | 11,568.1 | 14,517.2 | 17,115.5 |
| Computerized axial tomography | 373.4 | 1,782.4 | 1,709.3 | 1,558.1 |
| Arteriography and angiocardiology using contrast material | 896.9 | 1,898.4 | 2,838.9 | 2,769.4 |
| Diagnostic ultrasound | 350.0 | 1,391.9 | 1,761.1 | 1,715.8 |
| Circulatory monitoring | 116.6 | 1,038.1 | 992.0 | 907.8 |
| Radioisotope scan | 808.7 | 1,269.1 | 844.5 | 704.6 |
| Respiratory therapy | * | 88.5 | 1,368.9 | 1,368.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,073.8 | 4,099.7 | 5,002.5 | 8,091.5 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>Both sexes, 75–84 years</i> | | | | |
| All procedures ^{3,4} | 30,984.9 | 45,057.3 | 48,419.5 | 54,107.4 |
| All surgical procedures ³ | 20,681.9 | 23,948.4 | 23,067.7 | 24,482.5 |
| All nonsurgical procedures ^{3,4} | 10,303.0 | 21,108.9 | 25,351.8 | 29,624.9 |
| Lens extraction | 1,875.2 | 838.1 | 233.8 | 275.7 |
| Bronchoscopy with or without biopsy | 446.2 | 534.2 | 519.9 | 515.1 |
| Removal of coronary artery obstruction | — | * | 239.5 | 385.5 |
| Coronary artery bypass graft ⁵ | * | 232.7 | 605.0 | 566.3 |
| Cardiac catheterization | 144.7 | 528.4 | 1,167.7 | 1,313.6 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 824.2 | 848.4 | 859.1 | 1,064.8 |
| Endoscopy of small intestine with or without biopsy | 410.0 | 1,093.2 | 1,726.2 | 1,782.6 |
| Endoscopy of large intestine with or without biopsy | 975.4 | 1,388.2 | 1,382.5 | 1,476.2 |
| Cholecystectomy | 478.9 | 603.9 | 513.2 | 585.6 |
| Prostatectomy | 1,155.1 | 1,235.0 | 1,021.4 | 1,109.9 |
| Open reduction of fracture with internal fixation | 545.0 | 714.7 | 649.6 | 661.9 |
| Total and partial hip replacement | 433.3 | 582.5 | 738.5 | 615.4 |
| Total knee replacement ⁶ | 145.2 | 270.5 | 291.0 | 428.2 |
| Mastectomy | 210.7 | 179.8 | 183.2 | 214.3 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,918.9 | 15,712.0 | 20,045.5 | 24,446.6 |
| Computerized axial tomography | 650.4 | 2,984.0 | 3,067.8 | 2,738.3 |
| Arteriography and angiocardiology using contrast material | 553.8 | 1,470.9 | 2,066.8 | 2,471.8 |
| Diagnostic ultrasound | 498.1 | 2,220.8 | 3,056.5 | 2,917.2 |
| Circulatory monitoring | 225.2 | 1,844.7 | 1,571.9 | 1,475.7 |
| Radioisotope scan | 1,251.8 | 1,771.8 | 1,190.4 | 971.5 |
| Respiratory therapy | * | 152.0 | 2,227.7 | 2,129.5 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,728.9 | 5,268.0 | 6,864.4 | 11,742.6 |
| <i>Both sexes, 65 years and over</i> | | | | |
| All procedures ^{3,4} | 27,108.7 | 38,805.8 | 42,621.0 | 47,467.2 |
| All surgical procedures ³ | 18,297.1 | 21,007.1 | 21,038.3 | 21,919.9 |
| All nonsurgical procedures ^{3,4} | 8,811.6 | 17,798.7 | 21,582.7 | 25,547.3 |
| Lens extraction | 1,304.1 | 553.1 | 164.0 | 213.2 |
| Bronchoscopy with or without biopsy | 448.4 | 496.7 | 459.8 | 479.0 |
| Removal of coronary artery obstruction | * | 82.4 | 368.3 | 449.1 |
| Coronary artery bypass graft ⁵ | 149.6 | 311.6 | 653.5 | 650.2 |
| Cardiac catheterization | 326.5 | 799.8 | 1,348.6 | 1,404.8 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 566.1 | 589.0 | 636.4 | 769.8 |
| Endoscopy of small intestine with or without biopsy | 347.3 | 847.3 | 1,326.6 | 1,405.6 |
| Endoscopy of large intestine with or without biopsy | 842.6 | 1,130.8 | 1,055.1 | 1,111.1 |
| Cholecystectomy | 501.2 | 528.2 | 468.8 | 581.9 |
| Prostatectomy | 976.8 | 1,000.0 | 909.6 | 930.0 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|---|----------|----------|---------------------|---------------------|
| Both sexes, 65 years and over—Con. | | | | |
| Open reduction of fracture with internal fixation | 422.9 | 527.1 | 521.5 | 535.6 |
| Total and partial hip replacement | 316.2 | 450.8 | 519.7 | 497.8 |
| Total knee replacement ⁶ | 107.1 | 204.1 | 305.1 | 382.3 |
| Mastectomy | 182.3 | 168.6 | 178.1 | 184.0 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,012.4 | 13,368.7 | 17,200.6 | 21,148.5 |
| Computerized axial tomography | 467.3 | 2,285.7 | 2,384.5 | 2,210.6 |
| Arteriography and angiocardiology using contrast material | 728.5 | 1,629.2 | 2,376.4 | 2,492.2 |
| Diagnostic ultrasound | 402.3 | 1,781.0 | 2,351.7 | 2,328.6 |
| Circulatory monitoring | 159.5 | 1,417.1 | 1,310.7 | 1,226.9 |
| Radioisotope scan | 964.8 | 1,482.0 | 1,019.8 | 851.8 |
| Respiratory therapy | * | 117.2 | 1,808.0 | 1,853.0 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,279.6 | 4,659.4 | 5,949.4 | 10,185.6 |
| Both sexes, 75 years and over | | | | |
| All procedures ^{3,4} | 30,356.6 | 45,327.0 | 49,754.6 | 56,791.1 |
| All surgical procedures ³ | 20,484.5 | 23,868.0 | 23,166.6 | 24,564.8 |
| All nonsurgical procedures ^{3,4} | 9,872.2 | 21,458.9 | 26,588.0 | 32,226.3 |
| Lens extraction | 1,810.8 | 827.8 | 230.1 | 301.9 |
| Bronchoscopy with or without biopsy | 409.0 | 498.8 | 495.5 | 505.7 |
| Removal of coronary artery obstruction | — | * | 200.0 | 330.5 |
| Coronary artery bypass graft ⁵ | * | 178.7 | 488.2 | 448.7 |
| Cardiac catheterization | 127.7 | 428.0 | 950.9 | 1,112.1 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 899.5 | 899.4 | 983.1 | 1,184.6 |
| Endoscopy of small intestine with or without biopsy | 400.7 | 1,097.6 | 1,860.1 | 1,929.6 |
| Endoscopy of large intestine with or without biopsy | 972.9 | 1,520.7 | 1,505.2 | 1,604.9 |
| Cholecystectomy | 460.9 | 577.4 | 500.8 | 574.2 |
| Prostatectomy | 1,112.7 | 1,161.9 | 952.7 | 1,021.8 |
| Open reduction of fracture with internal fixation | 753.6 | 915.1 | 859.0 | 890.8 |
| Total and partial hip replacement | 479.8 | 664.1 | 786.1 | 708.2 |
| Total knee replacement ⁶ | 117.4 | 233.1 | 253.5 | 368.4 |
| Mastectomy | 207.9 | 169.8 | 188.6 | 194.4 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,612.0 | 15,990.9 | 20,900.3 | 26,619.9 |
| Computerized axial tomography | 613.6 | 3,018.8 | 3,315.5 | 3,095.8 |
| Arteriography and angiocardiology using contrast material | 466.4 | 1,237.1 | 1,738.8 | 2,116.1 |
| Diagnostic ultrasound | 483.7 | 2,347.8 | 3,165.9 | 3,159.9 |
| Circulatory monitoring | 226.3 | 1,969.1 | 1,750.2 | 1,659.8 |
| Radioisotope scan | 1,207.8 | 1,792.0 | 1,261.5 | 1,051.5 |
| Respiratory therapy | * | 158.9 | 2,413.4 | 2,510.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,600.0 | 5,475.7 | 7,254.9 | 13,026.6 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Both sexes, 85 years and over | | | | |
| All procedures ^{3,4} | 28,203.4 | 46,225.7 | 54,165.7 | 65,550.7 |
| All surgical procedures ³ | 19,807.8 | 23,600.2 | 23,493.5 | 24,833.2 |
| All nonsurgical procedures ^{3,4} | 8,395.6 | 22,625.5 | 30,672.2 | 40,717.6 |
| Lens extraction | 1,590.1 | 793.8 | *217.6 | 387.3 |
| Bronchoscopy with or without biopsy | *281.5 | *381.9 | 414.7 | 475.0 |
| Removal of coronary artery obstruction | — | — | * | 151.0 |
| Coronary artery bypass graft ⁵ | * | * | * | 64.6 |
| Cardiac catheterization | * | * | *234.9 | 454.3 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 1,157.6 | 1,068.3 | 1,393.1 | 1,575.6 |
| Endoscopy of small intestine with or without biopsy | *368.8 | 1,112.1 | 2,302.2 | 2,409.5 |
| Endoscopy of large intestine with or without biopsy | 964.4 | 1,959.4 | 1,910.5 | 2,025.2 |
| Cholecystectomy | *399.5 | 489.8 | 459.8 | 536.9 |
| Prostatectomy | 967.7 | 919.8 | 725.9 | 734.3 |
| Open reduction of fracture with internal fixation | 1,468.5 | 1,578.4 | 1,551.1 | 1,637.9 |
| Total and partial hip replacement | 639.1 | 936.1 | 943.4 | 1,011.1 |
| Total knee replacement ⁶ | * | * | * | 173.0 |
| Mastectomy | * | * | *206.8 | 129.2 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 4,560.3 | 16,914.2 | 23,733.0 | 33,713.5 |
| Computerized axial tomography | 487.4 | 3,133.9 | 4,133.8 | 4,262.8 |
| Arteriography and angiocardiology using contrast material | * | *463.3 | 655.2 | 954.8 |
| Diagnostic ultrasound | *434.1 | 2,768.2 | 3,527.4 | 3,951.7 |
| Circulatory monitoring | * | 2,381.2 | 2,339.2 | 2,260.6 |
| Radioisotope scan | 1,057.3 | 1,859.1 | 1,496.4 | 1,312.5 |
| Respiratory therapy | * | * | 3,027.2 | 3,753.8 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,158.1 | 6,167.9 | 8,544.9 | 17,217.3 |
| Male, all ages | | | | |
| All procedures ^{3,4} | 10,916.7 | 12,868.3 | 13,248.6 | 14,204.6 |
| All surgical procedures ³ | 7,807.8 | 7,710.8 | 7,106.8 | 7,151.9 |
| All nonsurgical procedures ^{3,4} | 3,108.8 | 5,157.4 | 6,141.8 | 7,052.7 |
| Lens extraction | 178.1 | 69.3 | 22.1 | 24.3 |
| Bronchoscopy with or without biopsy | 153.0 | 158.8 | 145.8 | 153.4 |
| Removal of coronary artery obstruction | *4.6 | 50.4 | 166.8 | 183.5 |
| Coronary artery bypass graft ⁵ | 99.1 | 151.1 | 238.2 | 243.5 |
| Cardiac catheterization | 209.6 | 384.6 | 515.8 | 496.0 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 94.1 | 103.4 | 114.8 | 119.3 |
| Endoscopy of small intestine with or without biopsy | 107.7 | 218.7 | 297.2 | 321.9 |
| Endoscopy of large intestine with or without biopsy | 209.6 | 236.0 | 176.3 | 192.6 |
| Cholecystectomy | 112.4 | 129.1 | 122.7 | 136.9 |
| Prostatectomy | 307.5 | 321.2 | 302.8 | 299.1 |
| Open reduction of fracture with internal fixation | 140.2 | 156.1 | 147.0 | 158.4 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Male, all ages—Con. | | | | |
| Total and partial hip replacement | 31.3 | 46.9 | 55.1 | 58.6 |
| Total knee replacement ⁶ | 65.1 | 75.1 | 37.9 | 49.4 |
| Mastectomy | *5.4 | * | * | 0.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 1,738.8 | 3,747.8 | 4,863.1 | 5,743.6 |
| Computerized axial tomography | 139.1 | 587.5 | 612.3 | 577.4 |
| Arteriography and angiocardiology using contrast material | 325.6 | 606.5 | 874.5 | 813.8 |
| Diagnostic ultrasound | 104.8 | 418.4 | 555.3 | 536.2 |
| Circulatory monitoring | 35.6 | 290.8 | 286.7 | 278.9 |
| Radioisotope scan | 216.5 | 328.1 | 223.1 | 187.5 |
| Respiratory therapy | * | 30.1 | 487.6 | 490.1 |
| Other miscellaneous diagnostic and therapeutic procedures | 913.0 | 1,486.5 | 1,823.7 | 2,858.4 |
| Male, 55–64 years | | | | |
| All procedures ^{3,4} | 19,660.1 | 25,149.2 | 26,833.5 | 28,357.9 |
| All surgical procedures ³ | 13,082.1 | 14,303.0 | 14,765.9 | 14,566.2 |
| All nonsurgical procedures ^{3,4} | 6,578.0 | 10,846.2 | 12,067.5 | 13,791.8 |
| Lens extraction | 382.9 | 145.0 | * | * |
| Bronchoscopy with or without biopsy | 376.6 | 371.8 | 337.6 | 384.8 |
| Removal of coronary artery obstruction | * | 189.5 | 615.1 | 693.0 |
| Coronary artery bypass graft ⁵ | 422.9 | 603.8 | 882.9 | 878.6 |
| Cardiac catheterization | 711.7 | 1,371.5 | 1,802.5 | 1,814.3 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 171.6 | 211.7 | 234.3 | 195.3 |
| Endoscopy of small intestine with or without biopsy | 236.0 | 469.7 | 590.5 | 608.7 |
| Endoscopy of large intestine with or without biopsy | 501.8 | 444.9 | 374.5 | 326.4 |
| Cholecystectomy | 296.1 | 297.1 | 258.8 | 325.5 |
| Prostatectomy | 700.2 | 695.0 | 695.4 | 609.4 |
| Open reduction of fracture with internal fixation | 102.0 | 153.1 | 157.8 | 155.8 |
| Total and partial hip replacement | *58.0 | *82.9 | 116.9 | 155.2 |
| Total knee replacement ⁶ | *81.8 | *110.2 | 106.8 | 119.8 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 3,731.9 | 8,172.1 | 9,780.0 | 11,438.1 |
| Computerized axial tomography | 263.6 | 1,100.9 | 912.9 | 868.9 |
| Arteriography and angiocardiology using contrast material | 1,041.7 | 2,053.7 | 2,829.2 | 2,769.0 |
| Diagnostic ultrasound | 270.8 | 821.0 | 1,066.3 | 927.2 |
| Circulatory monitoring | *71.1 | 589.5 | 486.2 | 583.1 |
| Radioisotope scan | 445.2 | 690.2 | 465.7 | 355.3 |
| Respiratory therapy | * | * | 709.6 | 875.8 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,629.0 | 2,863.5 | 3,310.1 | 5,058.8 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Male, 65–74 years | | | | |
| All procedures ^{3,4} | 29,721.6 | 39,591.3 | 44,060.7 | 47,208.7 |
| All surgical procedures ³ | 19,574.7 | 21,311.3 | 23,309.7 | 23,735.9 |
| All nonsurgical procedures ^{3,4} | 10,146.9 | 18,280.0 | 20,751.0 | 23,472.9 |
| Lens extraction | 908.8 | 346.3 | 111.9 | 127.5 |
| Bronchoscopy with or without biopsy | 717.9 | 722.7 | 609.6 | 601.0 |
| Removal of coronary artery obstruction | * | *153.2 | 725.5 | 746.6 |
| Coronary artery bypass graft ⁵ | 347.8 | 611.2 | 1,260.1 | 1,311.3 |
| Cardiac catheterization | 673.8 | 1,390.5 | 2,144.1 | 2,106.0 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 469.9 | 497.6 | 475.3 | 531.3 |
| Endoscopy of small intestine with or without biopsy | 319.9 | 789.6 | 934.7 | 1,220.9 |
| Endoscopy of large intestine with or without biopsy | 744.7 | 896.7 | 645.5 | 744.8 |
| Cholecystectomy | 453.7 | 464.7 | 417.2 | 510.2 |
| Prostatectomy | 2,051.1 | 2,041.7 | 2,004.0 | 1,965.0 |
| Open reduction of fracture with internal fixation | *161.8 | 161.0 | 188.4 | 212.8 |
| Total and partial hip replacement | *163.0 | 258.7 | 268.3 | 265.4 |
| Total knee replacement ⁶ | * | *154.9 | 275.0 | 313.2 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,225.0 | 13,179.8 | 16,488.5 | 19,119.0 |
| Computerized axial tomography | 423.6 | 1,972.9 | 1,814.0 | 1,801.6 |
| Arteriography and angiocardiology using contrast material | 1,226.3 | 2,454.9 | 3,673.1 | 3,416.6 |
| Diagnostic ultrasound | 373.1 | 1,547.9 | 1,907.7 | 1,932.8 |
| Circulatory monitoring | *145.4 | 1,290.9 | 1,189.0 | 1,080.6 |
| Radioisotope scan | 795.6 | 1,328.2 | 856.3 | 623.0 |
| Respiratory therapy | * | *104.7 | 1,560.4 | 1,551.9 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,254.0 | 4,480.5 | 5,488.0 | 8,712.4 |
| Male, 75–84 years | | | | |
| All procedures ^{3,4} | 38,731.1 | 55,319.7 | 59,142.5 | 64,205.5 |
| All surgical procedures ³ | 25,465.0 | 29,108.3 | 28,373.6 | 29,743.2 |
| All nonsurgical procedures ^{3,4} | 13,266.2 | 26,211.3 | 30,768.9 | 34,462.3 |
| Lens extraction | 1,832.5 | 631.4 | 199.0 | 154.2 |
| Bronchoscopy with or without biopsy | 732.0 | 903.8 | 764.5 | 810.1 |
| Removal of coronary artery obstruction | — | * | 362.2 | 541.7 |
| Coronary artery bypass graft ⁵ | * | 374.3 | 940.9 | 971.4 |
| Cardiac catheterization | *193.6 | 712.8 | 1,668.0 | 1,553.9 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 1,108.3 | 1,036.7 | 1,172.3 | 1,485.0 |
| Endoscopy of small intestine with or without biopsy | *356.3 | 1,102.7 | 1,907.8 | 2,155.0 |
| Endoscopy of large intestine with or without biopsy | 947.2 | 1,451.9 | 1,335.6 | 1,604.9 |
| Cholecystectomy | 445.3 | 687.4 | 641.4 | 577.8 |
| Prostatectomy | 3,113.3 | 3,335.1 | 2,726.3 | 2,944.4 |
| Open reduction of fracture with internal fixation | *345.9 | 462.7 | 334.9 | 387.0 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Male, 75–84 years—Con. | | | | |
| Total and partial hip replacement | *328.2 | 395.1 | 410.5 | 426.1 |
| Total knee replacement ⁶ | * | *243.6 | 199.8 | 406.2 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 6,880.0 | 18,532.1 | 23,626.1 | 27,390.4 |
| Computerized axial tomography | 755.7 | 3,129.9 | 3,389.5 | 2,956.4 |
| Arteriography and angiocardiology using contrast material | 758.1 | 2,203.4 | 2,792.1 | 2,993.6 |
| Diagnostic ultrasound | 501.6 | 2,377.0 | 3,489.8 | 3,426.4 |
| Circulatory monitoring | *304.7 | 2,488.8 | 1,918.1 | 1,802.6 |
| Radioisotope scan | 1,411.9 | 1,931.7 | 1,252.4 | 1,043.3 |
| Respiratory therapy | * | *209.8 | 2,850.8 | 2,535.9 |
| Other miscellaneous diagnostic and therapeutic procedures | 3,128.5 | 6,191.5 | 7,933.4 | 12,632.1 |
| Male, 65 years and over | | | | |
| All procedures ^{3,4} | 32,628.2 | 45,590.1 | 50,382.3 | 54,682.9 |
| All surgical procedures ³ | 21,453.6 | 24,240.8 | 25,354.5 | 26,175.0 |
| All nonsurgical procedures ^{3,4} | 11,174.6 | 21,349.3 | 25,027.8 | 28,507.9 |
| Lens extraction | 1,196.7 | 464.5 | 141.4 | 156.7 |
| Bronchoscopy with or without biopsy | 708.8 | 781.1 | 639.5 | 689.6 |
| Removal of coronary artery obstruction | * | 115.2 | 575.8 | 654.8 |
| Coronary artery bypass graft ⁵ | 257.9 | 501.9 | 1,093.7 | 1,125.0 |
| Cardiac catheterization | 501.3 | 1,106.4 | 1,880.1 | 1,835.5 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 727.2 | 717.1 | 793.9 | 914.2 |
| Endoscopy of small intestine with or without biopsy | 333.1 | 917.1 | 1,360.3 | 1,615.6 |
| Endoscopy of large intestine with or without biopsy | 826.5 | 1,153.8 | 942.5 | 1,099.9 |
| Cholecystectomy | 439.0 | 535.7 | 502.5 | 545.1 |
| Prostatectomy | 2,422.9 | 2,495.8 | 2,261.9 | 2,308.8 |
| Open reduction of fracture with internal fixation | 256.4 | 299.0 | 309.6 | 311.5 |
| Total and partial hip replacement | 221.4 | 316.1 | 355.1 | 352.3 |
| Total knee replacement ⁶ | *63.4 | 171.6 | 244.8 | 328.7 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,724.1 | 15,224.4 | 19,515.8 | 22,913.4 |
| Computerized axial tomography | 524.1 | 2,454.4 | 2,460.4 | 2,296.7 |
| Arteriography and angiocardiology using contrast material | 1,035.0 | 2,262.4 | 3,233.8 | 3,132.6 |
| Diagnostic ultrasound | 401.8 | 1,866.9 | 2,541.1 | 2,558.4 |
| Circulatory monitoring | 192.3 | 1,746.1 | 1,508.5 | 1,403.6 |
| Radioisotope scan | 1,013.7 | 1,554.2 | 1,028.5 | 810.0 |
| Respiratory therapy | * | 153.5 | 2,144.8 | 2,098.2 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,544.5 | 5,186.9 | 6,598.8 | 10,614.0 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Male, 75 years and over | | | | |
| All procedures ^{3,4} | 38,143.5 | 56,451.0 | 61,225.9 | 67,255.8 |
| All surgical procedures ³ | 25,018.8 | 29,544.6 | 28,861.9 | 30,278.1 |
| All nonsurgical procedures ^{3,4} | 13,124.7 | 26,906.4 | 32,364.0 | 36,977.7 |
| Lens extraction | 1,742.9 | 678.4 | 192.1 | 205.8 |
| Bronchoscopy with or without biopsy | 691.6 | 886.8 | 690.9 | 838.6 |
| Removal of coronary artery obstruction | — | * | 319.1 | 500.2 |
| Coronary artery bypass graft ⁵ | * | 304.0 | 808.3 | 811.6 |
| Cardiac catheterization | *173.9 | 592.0 | 1,427.3 | 1,380.4 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 1,215.3 | 1,114.5 | 1,340.5 | 1,558.3 |
| Endoscopy of small intestine with or without biopsy | 358.3 | 1,147.9 | 2,090.2 | 2,279.4 |
| Endoscopy of large intestine with or without biopsy | 981.6 | 1,619.2 | 1,452.0 | 1,697.2 |
| Cholecystectomy | 411.0 | 664.2 | 648.8 | 603.7 |
| Prostatectomy | 3,128.5 | 3,318.0 | 2,704.3 | 2,887.1 |
| Open reduction of fracture with internal fixation | 435.8 | 548.7 | 517.5 | 477.6 |
| Total and partial hip replacement | 332.1 | 420.1 | 503.9 | 498.6 |
| Total knee replacement ⁶ | * | *201.8 | 193.0 | 354.9 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 6,671.1 | 18,926.2 | 24,708.7 | 29,296.3 |
| Computerized axial tomography | 714.7 | 3,326.1 | 3,569.0 | 3,129.6 |
| Arteriography and angiocardiology using contrast material | 672.1 | 1,914.0 | 2,480.2 | 2,654.8 |
| Diagnostic ultrasound | 456.4 | 2,444.6 | 3,627.8 | 3,610.7 |
| Circulatory monitoring | *281.3 | 2,570.3 | 2,056.5 | 1,946.8 |
| Radioisotope scan | 1,427.5 | 1,963.3 | 1,323.9 | 1,124.5 |
| Respiratory therapy | * | *241.8 | 3,147.2 | 3,017.0 |
| Other miscellaneous diagnostic and therapeutic procedures | 3,095.7 | 6,465.9 | 8,504.1 | 13,812.8 |
| Male, 85 years and over | | | | |
| All procedures ^{3,4} | 35,678.7 | 61,343.2 | 70,486.2 | 80,717.2 |
| All surgical procedures ³ | 23,147.5 | 31,431.1 | 31,032.3 | 32,638.9 |
| All nonsurgical procedures ^{3,4} | 12,531.1 | 29,912.1 | 39,454.0 | 48,078.3 |
| Lens extraction | *1367.5 | *881.7 | * | * |
| Bronchoscopy with or without biopsy | * | * | *363.7 | 964.5 |
| Removal of coronary artery obstruction | — | — | * | * |
| Coronary artery bypass graft ⁵ | * | * | * | * |
| Cardiac catheterization | * | * | * | *614.9 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | *1664.3 | 1,450.9 | 2,088.4 | 1,881.9 |
| Endoscopy of small intestine with or without biopsy | * | *1343.3 | 2,901.1 | 2,828.4 |
| Endoscopy of large intestine with or without biopsy | *1125.5 | 2,342.7 | 1,969.3 | 2,104.5 |
| Cholecystectomy | * | * | *681.7 | *718.0 |
| Prostatectomy | 3,192.2 | 3,244.3 | 2,606.8 | 2,633.9 |
| Open reduction of fracture with internal fixation | *812.9 | *920.7 | 1,329.0 | 877.1 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|---|----------|----------|---------------------|---------------------|
| Male, 85 years and over—Con. | | | | |
| Total and partial hip replacement | * | * | *919.4 | *818.5 |
| Total knee replacement ⁶ | * | * | * | * |
| Mastectomy | — | — | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,795.2 | 20,630.1 | 29,520.8 | 37,707.9 |
| Computerized axial tomography | * | 4,174.6 | 4,367.1 | 3,893.6 |
| Arteriography and angiocardiology using contrast material | * | * | 1,094.0 | 1,159.7 |
| Diagnostic ultrasound | * | 2,737.0 | 4,241.1 | 4,424.4 |
| Circulatory monitoring | * | 2,923.0 | 2,671.6 | 2,583.1 |
| Radioisotope scan | *1,492.9 | 2,100.2 | 1,641.8 | 1,483.0 |
| Respiratory therapy | * | * | 4,464.2 | 5,140.5 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,958.1 | 7,652.5 | 11,041.0 | 19,023.5 |
| Female, all ages | | | | |
| All procedures ^{3,4} | 16,727.7 | 18,082.0 | 19,264.6 | 20,661.1 |
| All surgical procedures ³ | 13,701.4 | 13,106.5 | 11,370.1 | 11,401.4 |
| All nonsurgical procedures ^{3,4} | 3,026.3 | 4,975.5 | 7,894.6 | 9,259.7 |
| Lens extraction | 234.4 | 108.4 | 30.6 | 44.0 |
| Bronchoscopy with or without biopsy | 87.6 | 90.7 | 96.2 | 95.2 |
| Removal of coronary artery obstruction | * | 19.9 | 66.6 | 83.3 |
| Coronary artery bypass graft ⁵ | 25.1 | 47.4 | 83.0 | 86.4 |
| Cardiac catheterization | 102.9 | 197.8 | 294.4 | 307.9 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 72.7 | 86.3 | 94.8 | 119.9 |
| Endoscopy of small intestine with or without biopsy | 140.7 | 235.5 | 335.2 | 320.0 |
| Endoscopy of large intestine with or without biopsy | 263.0 | 282.7 | 263.3 | 263.4 |
| Cholecystectomy | 287.6 | 268.3 | 293.5 | 313.4 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 127.5 | 176.1 | 167.9 | 174.6 |
| Total and partial hip replacement | 64.4 | 96.3 | 112.3 | 105.0 |
| Total knee replacement ⁶ | 48.3 | 61.2 | 65.4 | 77.8 |
| Mastectomy | 88.2 | 93.7 | 94.7 | 90.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 1,744.7 | 3,720.0 | 4,737.9 | 6,048.2 |
| Computerized axial tomography | 132.3 | 579.3 | 603.5 | 587.0 |
| Arteriography and angiocardiology using contrast material | 183.8 | 347.9 | 536.3 | 565.3 |
| Diagnostic ultrasound | 175.1 | 619.6 | 737.5 | 728.5 |
| Circulatory monitoring | 31.9 | 248.3 | 297.7 | 282.0 |
| Radioisotope scan | 247.6 | 379.8 | 262.4 | 241.0 |
| Respiratory therapy | * | 22.4 | 453.1 | 479.1 |
| Other miscellaneous diagnostic and therapeutic procedures | 971.4 | 1,522.8 | 1,847.4 | 3,166.6 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Female, 55–64 years | | | | |
| All procedures ^{3,4} | 17,457.2 | 20,638.6 | 21,445.8 | 22,783.8 |
| All surgical procedures ³ | 12,450.5 | 12,742.1 | 11,737.3 | 11,416.1 |
| All nonsurgical procedures ^{3,4} | 5,006.7 | 7,896.5 | 9,708.5 | 11,367.7 |
| Lens extraction | 380.8 | 142.8 | *34.8 | *45.2 |
| Bronchoscopy with or without biopsy | 230.8 | 248.8 | 225.2 | 194.0 |
| Removal of coronary artery obstruction | — | *65.1 | 231.2 | 253.9 |
| Coronary artery bypass graft ⁵ | *93.7 | 170.5 | 211.2 | 279.1 |
| Cardiac catheterization | 289.6 | 578.4 | 841.2 | 857.0 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | *82.6 | 93.5 | 107.5 | 132.1 |
| Endoscopy of small intestine with or without biopsy | 268.0 | 352.3 | 535.6 | 511.6 |
| Endoscopy of large intestine with or without biopsy | 493.8 | 459.9 | 408.9 | 416.5 |
| Cholecystectomy | 478.8 | 485.3 | 532.6 | 587.3 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 162.5 | 249.1 | 222.3 | 223.6 |
| Total and partial hip replacement | 84.5 | 145.1 | 127.6 | 141.0 |
| Total knee replacement ⁶ | *91.2 | 92.5 | 120.7 | 154.0 |
| Mastectomy | 199.6 | 213.0 | 248.3 | 191.3 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 3,106.9 | 6,062.6 | 7,868.3 | 9,457.6 |
| Computerized axial tomography | 220.0 | 858.9 | 789.5 | 878.0 |
| Arteriography and angiocardiology using contrast material | 506.8 | 929.5 | 1,500.3 | 1,517.9 |
| Diagnostic ultrasound | 235.3 | 763.0 | 874.0 | 955.4 |
| Circulatory monitoring | *42.1 | 378.4 | 470.6 | 460.8 |
| Radioisotope scan | 476.8 | 640.6 | 420.4 | 459.5 |
| Respiratory therapy | * | * | 656.1 | 632.2 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,618.4 | 2,476.4 | 3,157.5 | 4,553.9 |
| Female, 65–74 years | | | | |
| All procedures ^{3,4} | 21,422.6 | 30,283.3 | 32,285.9 | 35,421.9 |
| All surgical procedures ³ | 14,836.9 | 17,299.2 | 16,517.5 | 17,025.7 |
| All nonsurgical procedures ^{3,4} | 6,585.7 | 12,984.1 | 15,768.4 | 18,396.3 |
| Lens extraction | 1,031.9 | 378.3 | 119.3 | 163.8 |
| Bronchoscopy with or without biopsy | 286.8 | 319.8 | 296.7 | 348.4 |
| Removal of coronary artery obstruction | * | *91.5 | 306.8 | 372.1 |
| Coronary artery bypass graft ⁵ | *110.3 | 242.2 | 393.5 | 397.7 |
| Cardiac catheterization | 286.1 | 796.6 | 1,241.3 | 1,240.8 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 261.3 | 282.0 | 314.4 | 411.6 |
| Endoscopy of small intestine with or without biopsy | 307.6 | 587.5 | 943.6 | 861.8 |
| Endoscopy of large intestine with or without biopsy | 769.6 | 837.0 | 793.6 | 748.8 |
| Cholecystectomy | 583.3 | 517.2 | 467.7 | 648.0 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 247.5 | 337.5 | 345.4 | 321.3 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>Female, 65–74 years—Con.</i> | | | | |
| Total and partial hip replacement | 247.8 | 339.8 | 371.9 | 403.2 |
| Total knee replacement ⁶ | 133.7 | 206.8 | 395.2 | 454.6 |
| Mastectomy | 274.8 | 295.7 | 302.8 | 312.2 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 4,169.3 | 10,325.7 | 12,978.9 | 15,548.6 |
| Computerized axial tomography | 334.9 | 1,635.6 | 1,627.6 | 1,367.6 |
| Arteriography and angiocardiology using contrast material | 644.6 | 1,469.3 | 2,188.0 | 2,263.2 |
| Diagnostic ultrasound | 332.3 | 1,271.6 | 1,646.7 | 1,546.2 |
| Circulatory monitoring | *94.6 | 843.3 | 838.2 | 772.6 |
| Radioisotope scan | 818.7 | 1,223.6 | 835.3 | 768.4 |
| Respiratory therapy | * | *76.0 | 1,219.5 | 1,224.9 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,935.8 | 3,806.3 | 4,623.6 | 7,605.9 |
| <i>Female, 75–84 years</i> | | | | |
| All procedures ^{3,4} | 26,416.0 | 39,022.3 | 41,995.6 | 47,997.8 |
| All surgical procedures ³ | 17,860.8 | 20,914.0 | 19,889.1 | 21,299.7 |
| All nonsurgical procedures ^{3,4} | 8,555.2 | 18,108.3 | 22,106.5 | 26,698.1 |
| Lens extraction | 1,900.4 | 959.6 | 254.7 | 349.3 |
| Bronchoscopy with or without biopsy | 277.6 | 316.8 | 373.4 | 336.6 |
| Removal of coronary artery obstruction | — | * | 165.9 | 291.0 |
| Coronary artery bypass graft ⁵ | * | *149.5 | 403.7 | 321.3 |
| Cardiac catheterization* | *115.8 | 420.0 | 867.9 | 1,168.3 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 656.6 | 737.7 | 671.4 | 810.5 |
| Endoscopy of small intestine with or without biopsy | 441.6 | 1,087.7 | 1,617.5 | 1,557.3 |
| Endoscopy of large intestine with or without biopsy | 992.0 | 1,350.8 | 1,410.6 | 1,398.3 |
| Cholecystectomy | 498.7 | 554.8 | 436.3 | 590.4 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 662.4 | 862.9 | 838.1 | 828.2 |
| Total and partial hip replacement | 495.4 | 692.7 | 935.0 | 729.8 |
| Total knee replacement ⁶ | *182.8 | 286.3 | 345.6 | 441.6 |
| Mastectomy | 331.4 | 283.7 | 291.4 | 338.0 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,352.1 | 14,053.6 | 17,900.5 | 22,665.6 |
| Computerized axial tomography | 588.3 | 2,898.2 | 2,875.0 | 2,606.3 |
| Arteriography and angiocardiology using contrast material | 433.3 | 1,040.0 | 1,632.4 | 2,156.1 |
| Diagnostic ultrasound | 496.0 | 2,128.9 | 2,796.9 | 2,609.2 |
| Circulatory monitoring | *178.3 | 1,465.9 | 1,364.6 | 1,278.0 |
| Radioisotope scan | 1,157.3 | 1,677.8 | 1,153.3 | 928.1 |
| Respiratory therapy | * | * | 1,854.3 | 1,883.5 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,493.2 | 4,724.9 | 6,224.0 | 11,204.4 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>Female, 65 years and over</i> | | | | |
| All procedures ^{3,4} | 23,380.3 | 34,265.8 | 37,400.4 | 42,599.9 |
| All surgical procedures ³ | 16,165.0 | 18,843.1 | 18,135.0 | 19,049.7 |
| All nonsurgical procedures ^{3,4} | 7,215.4 | 15,422.7 | 19,265.4 | 23,550.2 |
| Lens extraction | 1,376.7 | 612.3 | 179.1 | 251.4 |
| Bronchoscopy with or without biopsy | 272.5 | 306.5 | 338.8 | 336.9 |
| Removal of coronary artery obstruction | * | *60.5 | 228.7 | 310.3 |
| Coronary artery bypass graft ⁵ | 76.3 | 184.4 | 357.3 | 329.8 |
| Cardiac catheterization | 208.4 | 594.9 | 991.1 | 1,114.2 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 457.2 | 503.4 | 530.4 | 672.4 |
| Endoscopy of small intestine with or without biopsy | 356.8 | 800.7 | 1,304.0 | 1,264.0 |
| Endoscopy of large intestine with or without biopsy | 853.4 | 1,115.4 | 1,130.9 | 1,118.6 |
| Cholecystectomy | 543.3 | 523.1 | 446.1 | 606.7 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 535.3 | 679.6 | 664.0 | 686.7 |
| Total and partial hip replacement | 380.2 | 540.9 | 630.4 | 595.9 |
| Total knee replacement ⁶ | 136.5 | 225.9 | 345.6 | 418.4 |
| Mastectomy | 293.9 | 279.9 | 296.9 | 304.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 4,531.7 | 12,128.1 | 15,643.3 | 20,246.2 |
| Computerized axial tomography | 429.0 | 2,173.0 | 2,333.5 | 2,183.6 |
| Arteriography and angiocardiology using contrast material | 521.4 | 1,205.8 | 1,799.8 | 2,089.9 |
| Diagnostic ultrasound | 402.6 | 1,723.6 | 2,224.2 | 2,204.9 |
| Circulatory monitoring | 137.4 | 1,197.2 | 1,177.7 | 1,123.7 |
| Radioisotope scan | 931.9 | 1,433.7 | 1,014.0 | 892.7 |
| Respiratory therapy | * | 92.9 | 1,581.5 | 1,712.0 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,100.8 | 4,306.3 | 5,512.6 | 9,896.6 |
| <i>Female, 75 years and over</i> | | | | |
| All procedures ^{3,4} | 26,058.2 | 39,318.1 | 43,515.3 | 51,058.2 |
| All surgical procedures ³ | 17,981.5 | 20,801.7 | 20,068.9 | 21,434.8 |
| All nonsurgical procedures ^{3,4} | 8,076.7 | 18,516.3 | 23,446.4 | 29,623.4 |
| Lens extraction | 1,848.3 | 908.3 | 250.7 | 354.5 |
| Bronchoscopy with or without biopsy | 253.0 | 289.7 | 389.2 | 323.3 |
| Removal of coronary artery obstruction | — | * | 135.3 | 237.5 |
| Coronary artery bypass graft ⁵ | * | *111.2 | 314.1 | 249.8 |
| Cardiac catheterization | *102.1 | 339.6 | 691.9 | 965.1 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 725.2 | 783.5 | 788.8 | 979.8 |
| Endoscopy of small intestine with or without biopsy | 424.1 | 1,070.5 | 1,734.9 | 1,738.0 |
| Endoscopy of large intestine with or without biopsy | 968.1 | 1,467.7 | 1,534.1 | 1,554.4 |
| Cholecystectomy | 488.5 | 530.7 | 420.2 | 558.0 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 929.0 | 1,112.5 | 1,044.8 | 1,117.2 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|---|----------|----------|---------------------|---------------------|
| Female, 75 years and over | | | | |
| Total and partial hip replacement | 561.4 | 795.9 | 939.5 | 823.0 |
| Total knee replacement ⁶ | *140.4 | 250.0 | 286.4 | 375.8 |
| Mastectomy | 320.0 | 259.9 | 290.0 | 296.2 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 5,027.4 | 14,409.2 | 18,828.8 | 25,958.9 |
| Computerized axial tomography | 557.8 | 2,853.1 | 3,177.5 | 3,175.8 |
| Arteriography and angiocardiology using contrast material | 352.9 | 872.3 | 1,335.6 | 1,879.2 |
| Diagnostic ultrasound | 498.7 | 2,295.6 | 2,914.7 | 3,006.1 |
| Circulatory monitoring | 196.0 | 1,645.2 | 1,583.6 | 1,550.7 |
| Radioisotope scan | 1,086.6 | 1,699.7 | 1,227.6 | 1,043.8 |
| Respiratory therapy | * | *114.3 | 2,014.4 | 2,304.3 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,326.3 | 4,940.7 | 6,575.4 | 12,595.8 |
| Female, 85 years and over | | | | |
| All procedures ^{3,4} | 24,951.4 | 40,186.9 | 47,867.0 | 59,687.8 |
| All surgical procedures ³ | 18,354.9 | 20,472.1 | 20,584.0 | 21,815.7 |
| All nonsurgical procedures ^{3,4} | 6,596.5 | 19,714.8 | 27,283.0 | 37,872.1 |
| Lens extraction | 1,687.0 | 759.0 | *239.4 | *369.4 |
| Bronchoscopy with or without biopsy | * | * | 434.4 | *285.8 |
| Removal of coronary artery obstruction | — | — | * | * |
| Coronary artery bypass graft ⁵ | — | — | * | * |
| Cardiac catheterization | * | * | * | 392.2 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 937.2 | 916.9 | 1,124.8 | 1,457.2 |
| Endoscopy of small intestine with or without biopsy | *369.7 | 1,020.7 | 2,071.1 | 2,247.6 |
| Endoscopy of large intestine with or without biopsy | 894.3 | 1,807.8 | 1,887.8 | 1,994.6 |
| Cholecystectomy | *457.0 | *460.5 | 374.2 | 466.9 |
| Prostatectomy | ... | ... | ... | ... |
| Open reduction of fracture with internal fixation | 1,753.7 | 1,838.7 | 1,636.8 | 1,932.0 |
| Total and partial hip replacement | 765.5 | 1,099.0 | 952.6 | 1,085.5 |
| Total knee replacement ⁶ | * | * | * | * |
| Mastectomy | * | * | *285.8 | *178.5 |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} | 4,023.0 | 15,443.7 | 21,487.0 | 32,169.5 |
| Computerized axial tomography | *463.3 | 2,722.0 | 4,043.8 | 4,405.5 |
| Arteriography and angiocardiology using contrast material | * | *384.4 | 485.8 | 875.6 |
| Diagnostic ultrasound | *507.0 | 2,780.5 | 3,252.0 | 3,769.0 |

Table 8. Rate of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by sex, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Sex, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Female, 85 years and over—Con. | | | | |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} —Con. | | | | |
| Circulatory monitoring | * | 2,166.8 | 2,210.9 | 2,136.0 |
| Radioisotope scan | 867.7 | 1,763.7 | 1,440.3 | 1,246.5 |
| Respiratory therapy | * | * | 2,472.7 | 3,217.7 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,810.1 | 5,574.8 | 7,581.6 | 16,519.1 |

¹Comparisons of data for 1990 and 1991 with earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Beginning in 1989, the definitions of some surgical and diagnostic and other nonsurgical procedures were revised, thus causing a discontinuity in the trends for the totals and selected surgical procedures. See appendix II.

³Includes procedures not listed on the table.

⁴Inpatients discharged from short-stay hospitals had an estimated 20,519,000 nonsurgical procedures in 1991. In 1990, only 17,450,000 nonsurgical procedures were reported. The main reason for this increase was that 1991 was the first year in which all ICD-9-CM procedure codes were used in the National Hospital Discharge Survey. In previous years, selected codes were excluded, primarily codes for certain miscellaneous diagnostic and therapeutic procedures. See appendix II for a list of excluded codes.

⁵In 1991, the rate per 100,000 population of discharged patients with a coronary artery bypass graft was 105.8.

⁶For 1980 and 1985, this category is arthroplasty and replacement of knee.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30-59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Data exclude newborn infants. Data do not reflect total use because operations for outpatients are not included in the National Hospital Discharge Survey. In recent years, for example, lens extractions are frequently performed on outpatients. Surgical and nonsurgical procedure categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM). For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>All races,³ all ages</i> | | | | |
| Procedures in thousands | | | | |
| All procedures ^{4,5} | 31,412 | 36,760 | 40,506 | 43,922 |
| All surgical procedures ⁴ | 24,494 | 24,799 | 23,051 | 23,403 |
| All nonsurgical procedures ^{4,5} | 6,918 | 11,961 | 17,455 | 20,519 |
| Lens extraction | 467 | 211 | 66 | 86 |
| Bronchoscopy with or without biopsy | 269 | 292 | 298 | 309 |
| Removal of coronary artery obstruction | *6 | 82 | 285 | 331 |
| Coronary artery bypass graft ⁶ | 137 | 230 | 392 | 407 |
| Cardiac catheterization | 348 | 681 | 995 | 1,000 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 187 | 223 | 259 | 300 |
| Endoscopy of small intestine with or without biopsy | 282 | 537 | 785 | 804 |
| Endoscopy of large intestine with or without biopsy | 535 | 614 | 548 | 574 |
| Cholecystectomy | 458 | 475 | 522 | 571 |
| Prostatectomy | 335 | 367 | 364 | 363 |
| Open reduction of fracture with internal fixation | 301 | 393 | 391 | 418 |
| Total and partial hip replacement | 109 | 171 | 210 | 207 |
| Total knee replacement ⁷ | 127 | 160 | 129 | 160 |
| Mastectomy | 109 | 116 | 122 | 118 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 3,930 | 8,819 | 11,890 | 14,785 |
| Computerized axial tomography | 306 | 1,378 | 1,506 | 1,459 |
| Arteriography and angiocardiology using contrast material | 569 | 1,117 | 1,735 | 1,718 |
| Diagnostic ultrasound | 318 | 1,234 | 1,608 | 1,592 |
| Circulatory monitoring | 76 | 635 | 724 | 703 |
| Radioisotope scan | 525 | 838 | 603 | 539 |
| Respiratory therapy | *7 | 62 | 1,164 | 1,214 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,128 | 3,556 | 4,549 | 7,560 |
| <i>All races,³ 55-64 years</i> | | | | |
| All procedures ^{4,5} | 4,022 | 5,036 | 5,059 | 5,339 |
| All surgical procedures ⁴ | 2,773 | 2,982 | 2,777 | 2,711 |
| All nonsurgical procedures ^{4,5} | 1,249 | 2,054 | 2,282 | 2,628 |
| Lens extraction | 83 | 32 | *7 | *9 |
| Bronchoscopy with or without biopsy | 65 | 68 | 59 | 60 |
| Removal of coronary artery obstruction | * | 27 | 87 | 97 |
| Coronary artery bypass graft ⁶ | 54 | 83 | 111 | 118 |
| Cardiac catheterization | 106 | 210 | 273 | 275 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 27 | 33 | 35 | 34 |
| Endoscopy of small intestine with or without biopsy | 55 | 90 | 118 | 117 |
| Endoscopy of large intestine with or without biopsy | 108 | 100 | 83 | 79 |
| Cholecystectomy | 86 | 88 | 85 | 97 |
| Prostatectomy | 71 | 72 | 69 | 61 |
| Open reduction of fracture with internal fixation | 29 | 45 | 40 | 40 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>All races,³ 55–64 years—Con.</i> | | | | |
| Total and partial hip replacement | 16 | 26 | 26 | 31 |
| Total knee replacement ⁷ | 19 | 22 | 24 | 29 |
| Mastectomy | 24 | 25 | 28 | 22 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 739 | 1,561 | 1,850 | 2,183 |
| Computerized axial tomography | 52 | 215 | 179 | 184 |
| Arteriography and angiocardiology using contrast material | 165 | 322 | 449 | 443 |
| Diagnostic ultrasound | 55 | 175 | 203 | 198 |
| Circulatory monitoring | 12 | 106 | 101 | 109 |
| Radioisotope scan | 101 | 147 | 93 | 86 |
| Respiratory therapy | * | *7 | 144 | 157 |
| Other miscellaneous diagnostic and therapeutic procedures | 353 | 588 | 681 | 1,007 |
| <i>All races,³ 65–74 years</i> | | | | |
| All procedures ^{4,5} | 3,916 | 5,788 | 6,777 | 7,421 |
| All surgical procedures ⁴ | 2,644 | 3,211 | 3,528 | 3,651 |
| All nonsurgical procedures ^{4,5} | 1,272 | 2,578 | 3,249 | 3,770 |
| Lens extraction | 153 | 61 | 21 | 27 |
| Bronchoscopy with or without biopsy | 74 | 83 | 79 | 84 |
| Removal of coronary artery obstruction | * | 20 | 89 | 98 |
| Coronary artery bypass graft ⁶ | 33 | 68 | 140 | 146 |
| Cardiac catheterization | 71 | 178 | 296 | 296 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 55 | 63 | 70 | 85 |
| Endoscopy of small intestine with or without biopsy | 49 | 114 | 170 | 186 |
| Endoscopy of large intestine with or without biopsy | 119 | 145 | 132 | 137 |
| Cholecystectomy | 83 | 83 | 81 | 107 |
| Prostatectomy | 139 | 150 | 159 | 158 |
| Open reduction of fracture with internal fixation | 33 | 44 | 50 | 50 |
| Total and partial hip replacement | 33 | 51 | 59 | 63 |
| Total knee replacement ⁷ | 16 | 31 | 62 | 72 |
| Mastectomy | 26 | 28 | 31 | 32 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 724 | 1,950 | 2,627 | 3,129 |
| Computerized axial tomography | 58 | 300 | 309 | 285 |
| Arteriography and angiocardiology using contrast material | 140 | 320 | 514 | 506 |
| Diagnostic ultrasound | 55 | 235 | 319 | 314 |
| Circulatory monitoring | 18 | 175 | 180 | 166 |
| Radioisotope scan | 127 | 214 | 153 | 129 |
| Respiratory therapy | * | 15 | 248 | 250 |
| Other miscellaneous diagnostic and therapeutic procedures | 325 | 691 | 905 | 1,479 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>All races,³ 65 years and over</i> | | | | |
| All procedures ^{4,5} | 6,969 | 11,027 | 13,308 | 15,073 |
| All surgical procedures ⁴ | 4,704 | 5,969 | 6,569 | 6,960 |
| All nonsurgical procedures ^{4,5} | 2,265 | 5,058 | 6,739 | 8,112 |
| Lens extraction | 335 | 157 | 51 | 68 |
| Bronchoscopy with or without biopsy | 115 | 141 | 144 | 152 |
| Removal of coronary artery obstruction | * | 23 | 115 | 143 |
| Coronary artery bypass graft ⁶ | 38 | 89 | 204 | 206 |
| Cardiac catheterization | 84 | 227 | 421 | 446 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 146 | 167 | 199 | 244 |
| Endoscopy of small intestine with or without biopsy | 89 | 241 | 414 | 446 |
| Endoscopy of large intestine with or without biopsy | 217 | 322 | 329 | 353 |
| Cholecystectomy | 129 | 150 | 146 | 185 |
| Prostatectomy | 251 | 284 | 284 | 295 |
| Open reduction of fracture with internal fixation | 109 | 150 | 163 | 170 |
| Total and partial hip replacement | 81 | 128 | 162 | 158 |
| Total knee replacement ⁷ | 28 | 58 | 95 | 121 |
| Mastectomy | 47 | 48 | 56 | 58 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 1,289 | 3,801 | 5,371 | 6,715 |
| Computerized axial tomography | 120 | 650 | 745 | 702 |
| Arteriography and angiocardiology using contrast material | 187 | 463 | 742 | 791 |
| Diagnostic ultrasound | 103 | 506 | 734 | 739 |
| Circulatory monitoring | 41 | 403 | 409 | 390 |
| Radioisotope scan | 248 | 421 | 318 | 270 |
| Respiratory therapy | * | 33 | 565 | 588 |
| Other miscellaneous diagnostic and therapeutic procedures | 586 | 1,324 | 1,858 | 3,234 |
| <i>All races,³ 75 years and over</i> | | | | |
| All procedures ^{4,5} | 3,053 | 5,239 | 6,531 | 7,652 |
| All surgical procedures ⁴ | 2,060 | 2,759 | 3,041 | 3,310 |
| All nonsurgical procedures ^{4,5} | 993 | 2,480 | 3,490 | 4,342 |
| Lens extraction | 182 | 96 | 30 | 41 |
| Bronchoscopy with or without biopsy | 41 | 58 | 65 | 68 |
| Removal of coronary artery obstruction | — | * | 26 | 45 |
| Coronary artery bypass graft ⁶ | * | 21 | 64 | 60 |
| Cardiac catheterization | 13 | 50 | 125 | 150 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 90 | 104 | 129 | 160 |
| Endoscopy of small intestine with or without biopsy | 40 | 127 | 244 | 260 |
| Endoscopy of large intestine with or without biopsy | 98 | 176 | 198 | 216 |
| Cholecystectomy | 46 | 67 | 66 | 77 |
| Prostatectomy | 112 | 134 | 125 | 138 |
| Open reduction of fracture with internal fixation | 76 | 106 | 113 | 120 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>All races,³ 75 years and over—Con.</i> | | | | |
| Total and partial hip replacement | 48 | 77 | 103 | 95 |
| Total knee replacement ⁷ | 12 | 27 | 33 | 50 |
| Mastectomy | 21 | 20 | 25 | 26 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 564 | 1,851 | 2,744 | 3,587 |
| Computerized axial tomography | 62 | 349 | 435 | 417 |
| Arteriography and angiocardiology using contrast material | 47 | 143 | 228 | 285 |
| Diagnostic ultrasound | 49 | 272 | 416 | 426 |
| Circulatory monitoring | 23 | 228 | 230 | 224 |
| Radioisotope scan | 121 | 207 | 166 | 142 |
| Respiratory therapy | * | 18 | 317 | 338 |
| Other miscellaneous diagnostic and therapeutic procedures | 261 | 633 | 952 | 1,755 |
| <i>White, all ages</i> | | | | |
| All procedures ^{4,5} | 24,038 | 28,213 | 27,982 | 29,308 |
| All surgical procedures ⁴ | 18,599 | 18,807 | 16,075 | 15,859 |
| All nonsurgical procedures ^{4,5} | 5,439 | 9,406 | 11,907 | 13,449 |
| Lens extraction | 367 | 177 | 46 | 67 |
| Bronchoscopy with or without biopsy | 213 | 227 | 212 | 215 |
| Removal of coronary artery obstruction | * | 76 | 209 | 240 |
| Coronary artery bypass graft ⁶ | 121 | 206 | 314 | 317 |
| Cardiac catheterization | 296 | 580 | 733 | 745 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 156 | 190 | 198 | 222 |
| Endoscopy of small intestine with or without biopsy | 218 | 422 | 564 | 552 |
| Endoscopy of large intestine with or without biopsy | 424 | 499 | 397 | 413 |
| Cholecystectomy | 356 | 381 | 383 | 421 |
| Prostatectomy | 263 | 301 | 276 | 271 |
| Open reduction of fracture with internal fixation | 227 | 307 | 284 | 299 |
| Total and partial hip replacement | 89 | 140 | 165 | 154 |
| Total knee replacement ⁷ | 98 | 115 | 98 | 119 |
| Mastectomy | 87 | 92 | 91 | 86 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 3,127 | 6,991 | 8,365 | 9,906 |
| Computerized axial tomography | 239 | 1,091 | 1,057 | 965 |
| Arteriography and angiocardiology using contrast material | 475 | 933 | 1,309 | 1,288 |
| Diagnostic ultrasound | 235 | 932 | 1,059 | 1,008 |
| Circulatory monitoring | 63 | 492 | 515 | 457 |
| Radioisotope scan | 437 | 671 | 424 | 355 |
| Respiratory therapy | *6 | 49 | 758 | 751 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,672 | 2,822 | 3,243 | 5,081 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| White, 55–64 years | | | | |
| All procedures ^{4,5} | 3,237 | 4,105 | 3,642 | 3,744 |
| All surgical procedures ⁴ | 2,229 | 2,448 | 2,023 | 1,955 |
| All nonsurgical procedures ^{4,5} | 1,008 | 1,657 | 1,619 | 1,789 |
| Lens extraction | 67 | 29 | * | *7 |
| Bronchoscopy with or without biopsy | 52 | 53 | 40 | 43 |
| Removal of coronary artery obstruction | * | 25 | 63 | 68 |
| Coronary artery bypass graft ⁶ | 48 | 75 | 87 | 92 |
| Cardiac catheterization | 91 | 185 | 202 | 206 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 21 | 28 | 22 | 23 |
| Endoscopy of small intestine with or without biopsy | 42 | 72 | 85 | 83 |
| Endoscopy of large intestine with or without biopsy | 85 | 80 | 62 | 59 |
| Cholecystectomy | 69 | 73 | 64 | 71 |
| Prostatectomy | 57 | 57 | 46 | 42 |
| Open reduction of fracture with internal fixation | 23 | 39 | 32 | 32 |
| Total and partial hip replacement | 13 | 20 | 19 | 24 |
| Total knee replacement ⁷ | 15 | 16 | 19 | 20 |
| Mastectomy | 20 | 19 | 20 | 15 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 604 | 1,266 | 1,326 | 1,484 |
| Computerized axial tomography | 43 | 175 | 123 | 120 |
| Arteriography and angiocardiology using contrast material | 136 | 273 | 344 | 330 |
| Diagnostic ultrasound | 43 | 136 | 135 | 118 |
| Circulatory monitoring | 10 | 80 | 74 | 69 |
| Radioisotope scan | 85 | 118 | 66 | 57 |
| Respiratory therapy | * | *6 | 95 | 102 |
| Other miscellaneous diagnostic and therapeutic procedures | 285 | 479 | 489 | 687 |
| White, 65–74 years | | | | |
| All procedures ^{4,5} | 3,190 | 4,782 | 5,103 | 5,459 |
| All surgical procedures ⁴ | 2,140 | 2,642 | 2,673 | 2,710 |
| All nonsurgical procedures ^{4,5} | 1,049 | 2,141 | 2,430 | 2,749 |
| Lens extraction | 119 | 51 | 14 | 23 |
| Bronchoscopy with or without biopsy | 62 | 69 | 63 | 63 |
| Removal of coronary artery obstruction | * | 19 | 68 | 69 |
| Coronary artery bypass graft ⁶ | 29 | 61 | 117 | 111 |
| Cardiac catheterization | 64 | 157 | 220 | 225 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 46 | 53 | 54 | 59 |
| Endoscopy of small intestine with or without biopsy | 39 | 91 | 131 | 134 |
| Endoscopy of large intestine with or without biopsy | 97 | 119 | 99 | 101 |
| Cholecystectomy | 67 | 67 | 63 | 82 |
| Prostatectomy | 108 | 123 | 123 | 120 |
| Open reduction of fracture with internal fixation | 26 | 35 | 39 | 39 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| White, 65–74 years—Con. | | | | |
| Total and partial hip replacement | 28 | 42 | 47 | 45 |
| Total knee replacement ⁷ | 12 | 24 | 47 | 54 |
| Mastectomy | 21 | 23 | 25 | 25 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 609 | 1,632 | 1,978 | 2,291 |
| Computerized axial tomography | 46 | 251 | 228 | 204 |
| Arteriography and angiocardiology using contrast material | 122 | 277 | 392 | 397 |
| Diagnostic ultrasound | 47 | 194 | 231 | 222 |
| Circulatory monitoring | 17 | 141 | 139 | 114 |
| Radioisotope scan | 112 | 182 | 116 | 88 |
| Respiratory therapy | * | 13 | 177 | 166 |
| Other miscellaneous diagnostic and therapeutic procedures | 265 | 573 | 695 | 1,099 |
| White, 65 years and over | | | | |
| All procedures ^{4,5} | 5,678 | 9,212 | 10,152 | 11,248 |
| All surgical procedures ⁴ | 3,801 | 4,954 | 5,014 | 5,224 |
| All nonsurgical procedures ^{4,5} | 1,877 | 4,258 | 5,138 | 6,025 |
| Lens extraction | 262 | 131 | 36 | 54 |
| Bronchoscopy with or without biopsy | 96 | 117 | 116 | 116 |
| Removal of coronary artery obstruction | * | 22 | 88 | 104 |
| Coronary artery bypass graft ⁶ | 34 | 79 | 169 | 159 |
| Cardiac catheterization | 75 | 199 | 317 | 342 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 123 | 142 | 157 | 183 |
| Endoscopy of small intestine with or without biopsy | 72 | 197 | 314 | 322 |
| Endoscopy of large intestine with or without biopsy | 177 | 271 | 245 | 261 |
| Cholecystectomy | 104 | 123 | 115 | 145 |
| Prostatectomy | 197 | 235 | 221 | 223 |
| Open reduction of fracture with internal fixation | 87 | 127 | 132 | 134 |
| Total and partial hip replacement | 68 | 107 | 130 | 117 |
| Total knee replacement ⁷ | 22 | 45 | 72 | 92 |
| Mastectomy | 37 | 41 | 44 | 45 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 1,085 | 3,220 | 4,130 | 5,013 |
| Computerized axial tomography | 97 | 549 | 575 | 519 |
| Arteriography and angiocardiology using contrast material | 163 | 400 | 572 | 622 |
| Diagnostic ultrasound | 88 | 426 | 555 | 541 |
| Circulatory monitoring | 36 | 340 | 325 | 286 |
| Radioisotope scan | 215 | 360 | 245 | 192 |
| Respiratory therapy | * | 30 | 415 | 421 |
| Other miscellaneous diagnostic and therapeutic procedures | 484 | 1,116 | 1,443 | 2,431 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| White, 75 years and over | | | | |
| All procedures ^{4,5} | 2,489 | 4,430 | 5,049 | 5,789 |
| All surgical procedures ⁴ | 1,661 | 2,312 | 2,341 | 2,514 |
| All nonsurgical procedures ^{4,5} | 828 | 2,118 | 2,707 | 3,275 |
| Lens extraction | 143 | 81 | 22 | 31 |
| Bronchoscopy with or without biopsy | 34 | 48 | 53 | 53 |
| Removal of coronary artery obstruction | — | * | 20 | 34 |
| Coronary artery bypass graft ⁶ | * | 18 | 52 | 48 |
| Cardiac catheterization | 11 | 42 | 97 | 117 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 77 | 90 | 103 | 124 |
| Endoscopy of small intestine with or without biopsy | 33 | 105 | 182 | 188 |
| Endoscopy of large intestine with or without biopsy | 80 | 152 | 146 | 160 |
| Cholecystectomy | 37 | 56 | 52 | 63 |
| Prostatectomy | 88 | 112 | 98 | 103 |
| Open reduction of fracture with internal fixation | 61 | 92 | 93 | 95 |
| Total and partial hip replacement | 40 | 65 | 83 | 72 |
| Total knee replacement ⁷ | 9 | 21 | 24 | 38 |
| Mastectomy | 16 | 18 | 19 | 20 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 476 | 1,589 | 2,152 | 2,723 |
| Computerized axial tomography | 50 | 298 | 347 | 315 |
| Arteriography and angiocardiology using contrast material | 42 | 123 | 180 | 226 |
| Diagnostic ultrasound | 41 | 232 | 324 | 319 |
| Circulatory monitoring | 19 | 198 | 186 | 172 |
| Radioisotope scan | 104 | 178 | 128 | 104 |
| Respiratory therapy | * | 17 | 238 | 255 |
| Other miscellaneous diagnostic and therapeutic procedures | 220 | 543 | 747 | 1,332 |
| Black, all ages | | | | |
| All procedures ^{4,5} | 3,258 | 4,011 | 4,477 | 4,987 |
| All surgical procedures ⁴ | 2,530 | 2,624 | 2,267 | 2,379 |
| All nonsurgical procedures ^{4,5} | 728 | 1,387 | 2,210 | 2,608 |
| Lens extraction | 26 | 14 | *4 | *4 |
| Bronchoscopy with or without biopsy | 25 | 38 | 39 | 38 |
| Removal of coronary artery obstruction | — | * | *5 | 17 |
| Coronary artery bypass graft ⁶ | * | * | 8 | 12 |
| Cardiac catheterization | 18 | 41 | 65 | 65 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 12 | 13 | 16 | 24 |
| Endoscopy of small intestine with or without biopsy | 33 | 58 | 93 | 93 |
| Endoscopy of large intestine with or without biopsy | 46 | 63 | 56 | 63 |
| Cholecystectomy | 35 | 36 | 33 | 45 |
| Prostatectomy | 22 | 24 | 21 | 25 |
| Open reduction of fracture with internal fixation | 23 | 32 | 29 | 33 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Black, all ages—Con. | | | | |
| Total and partial hip replacement | * | *11 | 9 | 6 |
| Total knee replacement ⁷ | *7 | *14 | *5 | *9 |
| Mastectomy | *7 | *9 | *7 | 10 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 413 | 996 | 1,415 | 1,810 |
| Computerized axial tomography | 35 | 169 | 195 | 189 |
| Arteriography and angiocardiology using contrast material | 38 | 83 | 136 | 126 |
| Diagnostic ultrasound | 55 | 183 | 269 | 261 |
| Circulatory monitoring | *8 | 76 | 91 | 96 |
| Radioisotope scan | 64 | 104 | 79 | 71 |
| Respiratory therapy | * | *6 | 156 | 169 |
| Other miscellaneous diagnostic and therapeutic procedures | 212 | 375 | 488 | 898 |
| Black, 55–64 years | | | | |
| All procedures ^{4,5} | 294 | 432 | 524 | 533 |
| All surgical procedures ⁴ | 188 | 217 | 240 | 226 |
| All nonsurgical procedures ^{4,5} | 106 | 215 | 283 | 307 |
| Lens extraction | *4 | * | * | * |
| Bronchoscopy with or without biopsy | * | *9 | 10 | 6 |
| Removal of coronary artery obstruction | — | * | * | *5 |
| Coronary artery bypass graft ⁶ | * | * | * | *3 |
| Cardiac catheterization | * | *11 | 17 | 19 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | * | * | * | *5 |
| Endoscopy of small intestine with or without biopsy | *7 | *10 | 17 | 16 |
| Endoscopy of large intestine with or without biopsy | *9 | *10 | *6 | *9 |
| Cholecystectomy | * | * | *5 | *7 |
| Prostatectomy | * | * | *6 | *4 |
| Open reduction of fracture with internal fixation | * | * | * | * |
| Total and partial hip replacement | * | * | * | * |
| Total knee replacement ⁷ | * | * | * | * |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 61 | 158 | 219 | 249 |
| Computerized axial tomography | *5 | 25 | 28 | 26 |
| Arteriography and angiocardiology using contrast material | *9 | 20 | 32 | 33 |
| Diagnostic ultrasound | *6 | 24 | 35 | 40 |
| Circulatory monitoring | * | 14 | 14 | 14 |
| Radioisotope scan | 10 | 19 | 12 | 11 |
| Respiratory therapy | — | * | 22 | 22 |
| Other miscellaneous diagnostic and therapeutic procedures | 30 | 54 | 75 | 105 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Black, 65–74 years | | | | |
| All procedures ^{4,5} | 269 | 453 | 499 | 588 |
| All surgical procedures ⁴ | 164 | 222 | 202 | 240 |
| All nonsurgical procedures ^{4,5} | 105 | 231 | 296 | 348 |
| Lens extraction | *8 | * | * | * |
| Bronchoscopy with or without biopsy | *5 | *8 | *5 | 8 |
| Removal of coronary artery obstruction | — | * | * | *5 |
| Coronary artery bypass graft ⁶ | * | * | * | *4 |
| Cardiac catheterization | * | *7 | 17 | 15 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | * | * | *5 | *9 |
| Endoscopy of small intestine with or without biopsy | * | *9 | 14 | 18 |
| Endoscopy of large intestine with or without biopsy | *8 | 15 | 11 | 12 |
| Cholecystectomy | * | * | * | *7 |
| Prostatectomy | 10 | *10 | *10 | 10 |
| Open reduction of fracture with internal fixation | * | * | * | * |
| Total and partial hip replacement | * | * | * | * |
| Total knee replacement ⁷ | * | * | * | *5 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 56 | 169 | 238 | 280 |
| Computerized axial tomography | *5 | 29 | 32 | 32 |
| Arteriography and angiocardiology using contrast material | *6 | 17 | 36 | 25 |
| Diagnostic ultrasound | *4 | 23 | 39 | 42 |
| Circulatory monitoring | * | 17 | 16 | 19 |
| Radioisotope scan | 12 | 20 | 17 | 14 |
| Respiratory therapy | * | * | 30 | 30 |
| Other miscellaneous diagnostic and therapeutic procedures | 27 | 61 | 67 | 117 |
| Black, 65 years and over | | | | |
| All procedures ^{4,5} | 459 | 818 | 914 | 1,118 |
| All surgical procedures ⁴ | 285 | 397 | 375 | 451 |
| All nonsurgical procedures ^{4,5} | 174 | 422 | 539 | 667 |
| Lens extraction | 18 | *9 | * | * |
| Bronchoscopy with or without biopsy | *8 | 12 | 9 | 12 |
| Removal of coronary artery obstruction | — | * | * | 7 |
| Coronary artery bypass graft ⁶ | * | * | *3 | *5 |
| Cardiac catheterization | * | *9 | 20 | 20 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | *7 | *9 | 10 | 17 |
| Endoscopy of small intestine with or without biopsy | *8 | 19 | 33 | 37 |
| Endoscopy of large intestine with or without biopsy | 16 | 28 | 28 | 32 |
| Cholecystectomy | *7 | *10 | *3 | 11 |
| Prostatectomy | 18 | 18 | 15 | 20 |
| Open reduction of fracture with internal fixation | * | * | *5 | *5 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and procedure category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|---|------|------|---------------------|---------------------|
| Black, 65 years and over—Con. | | | | |
| Total and partial hip replacement | * | * | *4 | *3 |
| Total knee replacement ⁷ | * | * | * | *5 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 94 | 311 | 418 | 533 |
| Computerized axial tomography | 10 | 56 | 66 | 63 |
| Arteriography and angiocardiology using contrast material | *8 | 26 | 46 | 39 |
| Diagnostic ultrasound | 9 | 46 | 74 | 81 |
| Circulatory monitoring | * | 33 | 33 | 35 |
| Radioisotope scan | 23 | 37 | 29 | 25 |
| Respiratory therapy | — | * | 46 | 54 |
| Other miscellaneous diagnostic and therapeutic procedures | 41 | 110 | 124 | 237 |
| Black, 75 years and over | | | | |
| All procedures ^{4,5} | 191 | 366 | 415 | 530 |
| All surgical procedures ⁴ | 121 | 175 | 173 | 211 |
| All nonsurgical procedures ^{4,5} | 70 | 191 | 242 | 319 |
| Lens extraction | *9 | *5 | * | * |
| Bronchoscopy with or without biopsy | * | * | *3 | *4 |
| Removal of coronary artery obstruction | — | * | * | * |
| Coronary artery bypass graft ⁶ | — | * | * | * |
| Cardiac catheterization | * | * | *3 | *6 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | * | * | *5 | 9 |
| Endoscopy of small intestine with or without biopsy | * | *10 | 19 | 20 |
| Endoscopy of large intestine with or without biopsy | *8 | 13 | 18 | 20 |
| Cholecystectomy | * | * | * | * |
| Prostatectomy | *8 | *9 | *5 | 11 |
| Open reduction of fracture with internal fixation | * | * | * | * |
| Total and partial hip replacement | * | * | * | * |
| Total knee replacement ⁷ | — | * | * | * |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 38 | 142 | 179 | 253 |
| Computerized axial tomography | *5 | 28 | 34 | 31 |
| Arteriography and angiocardiology using contrast material | * | *10 | 10 | 14 |
| Diagnostic ultrasound | * | 23 | 34 | 39 |

Table 9. Number of all-listed surgical and nonsurgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records].

| <i>Race, age, and procedure category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Black, 75 years and over—Con. | | | | |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} —Con. | | | | |
| Circulatory monitoring | * | 16 | 17 | 16 |
| Radioisotope scan | 11 | 18 | 12 | 11 |
| Respiratory therapy | — | * | 16 | 23 |
| Other miscellaneous diagnostic and therapeutic procedures | 14 | 48 | 57 | 119 |

¹Comparisons of data for 1990 and 1991 with that for earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Beginning in 1989, the definitions of some surgical and diagnostic and other nonsurgical procedures were revised, thus causing a discontinuity in the trends for the totals and selected surgical procedures. See appendix II.

³Data include races other than white and black.

⁴Includes procedures not listed on the table.

⁵Inpatients discharged from short-stay hospitals had an estimated 20,519,000 nonsurgical procedures in 1991. In 1990, only 17,450,000 nonsurgical procedures were reported. The main reason for this increase was that 1991 was the first year in which all ICD-9-CM procedure codes were used in the National Hospital Discharge Survey. In previous years, selected codes were excluded, primarily codes for certain miscellaneous diagnostic and therapeutic procedures. See appendix II for a list of excluded codes.

⁶In 1991, there were 407,000 all-listed coronary artery bypass graft procedures performed on only 265,000 discharged patients.

⁷For 1980 and 1985, this category is arthroplasty and replacement of knee.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30-59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Data do not reflect total use of operations because operations for outpatients are not included in the National Hospital Discharge Survey. In recent years, for example, lens extractions have frequently been performed on outpatients. Surgical and nonsurgical procedure categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification* (ICD-9-CM). For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-----------------------------|---------------------------|---------------------------|
| <i>All races,³ all ages</i> | | | | |
| | | Rate per 100,000 population | | |
| All procedures ^{4,5} | 13,922.3 | 15,561.8 | 16,347.8 | 17,529.3 |
| All surgical procedures ⁴ | 10,856.1 | 10,498.3 | 9,303.0 | 9,340.1 |
| All nonsurgical procedures ^{4,5} | 3,066.1 | 5,063.5 | 7,044.7 | 8,189.2 |
| Lens extraction | 207.2 | 89.5 | 26.5 | 34.4 |
| Bronchoscopy with or without biopsy | 119.2 | 123.6 | 120.2 | 123.4 |
| Removal of coronary artery obstruction | *2.6 | 34.7 | 115.2 | 131.9 |
| Coronary artery bypass graft ⁶ | 60.8 | 97.5 | 158.3 | 162.6 |
| Cardiac catheterization | 154.4 | 288.1 | 401.8 | 399.1 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 83.0 | 94.6 | 104.5 | 119.6 |
| Endoscopy of small intestine with or without biopsy | 124.8 | 227.4 | 316.7 | 320.9 |
| Endoscopy of large intestine with or without biopsy | 237.2 | 260.1 | 221.1 | 229.0 |
| Cholecystectomy | 203.0 | 201.0 | 210.7 | 227.8 |
| Prostatectomy | 148.5 | 155.3 | 146.8 | 145.1 |
| Open reduction of fracture with internal fixation | 133.6 | 166.4 | 157.8 | 166.7 |
| Total and partial hip replacement | 48.4 | 72.4 | 84.6 | 82.5 |
| Total knee replacement ⁷ | 56.4 | 67.9 | 52.1 | 64.0 |
| Mastectomy | 48.2 | 49.1 | 49.2 | 47.2 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 1,741.8 | 3,733.4 | 4,798.6 | 5,900.5 |
| Computerized axial tomography | 135.6 | 583.2 | 607.7 | 582.4 |
| Arteriography and angiocardiology using contrast material | 252.3 | 472.9 | 700.3 | 685.8 |
| Diagnostic ultrasound | 141.2 | 522.3 | 649.2 | 635.2 |
| Circulatory monitoring | 33.7 | 268.8 | 292.3 | 280.5 |
| Radioisotope scan | 232.6 | 354.8 | 243.4 | 215.0 |
| Respiratory therapy | *3.3 | 26.1 | 469.8 | 484.5 |
| Other miscellaneous diagnostic and therapeutic procedures | 943.2 | 1,505.3 | 1,835.9 | 3,017.1 |
| <i>All races,³ 55–64 years</i> | | | | |
| All procedures ^{4,5} | 18,487.6 | 22,754.5 | 23,987.7 | 25,419.2 |
| All surgical procedures ⁴ | 12,745.9 | 13,474.3 | 13,166.2 | 12,905.4 |
| All nonsurgical procedures ^{4,5} | 5,741.6 | 9,280.2 | 10,821.5 | 12,513.8 |
| Lens extraction | 381.8 | 143.8 | *34.5 | 42.0 |
| Bronchoscopy with or without biopsy | 299.0 | 306.5 | 278.2 | 284.2 |
| Removal of coronary artery obstruction | * | 123.4 | 412.3 | 461.5 |
| Coronary artery bypass graft ⁶ | 247.7 | 373.8 | 528.1 | 562.6 |
| Cardiac catheterization | 487.0 | 950.4 | 1,294.7 | 1,309.6 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 124.2 | 148.9 | 167.3 | 162.0 |
| Endoscopy of small intestine with or without biopsy | 253.1 | 407.4 | 561.5 | 557.5 |
| Endoscopy of large intestine with or without biopsy | 497.5 | 452.9 | 392.7 | 373.9 |
| Cholecystectomy | 393.3 | 397.0 | 403.4 | 463.5 |
| Prostatectomy | 327.5 | 326.0 | 328.1 | 288.1 |
| Open reduction of fracture with internal fixation | 134.2 | 204.1 | 191.9 | 191.5 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|---|----------|----------|---------------------|---------------------|
| All races, ³ 55–64 years—Con. | | | | |
| Total and partial hip replacement | 72.1 | 116.0 | 122.6 | 147.7 |
| Total knee replacement ⁷ | 86.8 | 100.8 | 114.2 | 137.8 |
| Mastectomy | 111.4 | 114.2 | 134.0 | 102.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 3,399.2 | 7,052.1 | 8,770.2 | 10,394.0 |
| Computerized axial tomography | 240.4 | 972.4 | 847.7 | 873.7 |
| Arteriography and angiocardiology using contrast material | 757.0 | 1,456.8 | 2,127.3 | 2,109.4 |
| Diagnostic ultrasound | 251.9 | 790.2 | 964.7 | 942.1 |
| Circulatory monitoring | 55.7 | 477.4 | 478.0 | 518.6 |
| Radioisotope scan | 462.1 | 663.9 | 441.8 | 410.2 |
| Respiratory therapy | * | *33.3 | 681.3 | 747.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,623.3 | 2,658.0 | 3,229.5 | 4,792.6 |
| All races, ³ 65–74 years | | | | |
| All procedures ^{4,5} | 25,021.7 | 34,335.2 | 37,446.9 | 40,594.6 |
| All surgical procedures ⁴ | 16,891.6 | 19,045.7 | 19,494.6 | 19,970.5 |
| All nonsurgical procedures ^{4,5} | 8,130.1 | 15,289.4 | 17,952.3 | 20,624.2 |
| Lens extraction | 978.5 | 364.4 | 116.1 | 147.9 |
| Bronchoscopy with or without biopsy | 473.7 | 495.2 | 433.8 | 459.3 |
| Removal of coronary artery obstruction | * | 118.4 | 490.3 | 536.5 |
| Coronary artery bypass graft ⁶ | 213.3 | 402.8 | 773.3 | 798.7 |
| Cardiac catheterization | 454.3 | 1,055.1 | 1,637.0 | 1,620.5 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 351.8 | 375.8 | 384.9 | 464.1 |
| Endoscopy of small intestine with or without biopsy | 312.9 | 675.5 | 939.7 | 1,019.4 |
| Endoscopy of large intestine with or without biopsy | 758.8 | 863.0 | 728.7 | 747.0 |
| Cholecystectomy | 527.1 | 494.3 | 445.6 | 587.5 |
| Prostatectomy | 889.5 | 888.8 | 878.4 | 862.4 |
| Open reduction of fracture with internal fixation | 210.4 | 260.7 | 276.6 | 273.7 |
| Total and partial hip replacement | 211.0 | 304.5 | 326.5 | 342.7 |
| Total knee replacement ⁷ | 100.4 | 184.2 | 342.5 | 392.5 |
| Mastectomy | 165.9 | 167.8 | 170.5 | 176.4 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 4,627.1 | 11,568.1 | 14,517.2 | 17,115.5 |
| Computerized axial tomography | 373.4 | 1,782.4 | 1,709.3 | 1,558.1 |
| Arteriography and angiocardiology using contrast material | 896.9 | 1,898.4 | 2,838.9 | 2,769.4 |
| Diagnostic ultrasound | 350.0 | 1,391.9 | 1,761.1 | 1,715.8 |
| Circulatory monitoring | 116.6 | 1,038.1 | 992.0 | 907.8 |
| Radioisotope scan | 808.7 | 1,269.1 | 844.5 | 704.6 |
| Respiratory therapy | * | 88.5 | 1,368.9 | 1,368.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,073.8 | 4,099.7 | 5,002.5 | 8,091.5 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| <i>All races,³ 65 years and over</i> | | | | |
| All procedures ^{4,5} | 27,108.7 | 38,805.8 | 42,621.0 | 47,467.2 |
| All surgical procedures ⁴ | 18,297.1 | 21,007.1 | 21,038.3 | 21,919.9 |
| All nonsurgical procedures ^{4,5} | 8,811.6 | 17,798.7 | 21,582.7 | 25,547.3 |
| Lens extraction | 1,304.1 | 553.1 | 164.0 | 213.2 |
| Bronchoscopy with or without biopsy | 448.4 | 496.7 | 459.8 | 479.0 |
| Removal of coronary artery obstruction | * | 82.4 | 368.3 | 449.1 |
| Coronary artery bypass graft ⁶ | 149.6 | 311.6 | 653.5 | 650.2 |
| Cardiac catheterization | 326.5 | 799.8 | 1,348.6 | 1,404.8 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 566.1 | 589.0 | 636.4 | 769.8 |
| Endoscopy of small intestine with or without biopsy | 347.3 | 847.3 | 1,326.6 | 1,405.6 |
| Endoscopy of large intestine with or without biopsy | 842.6 | 1,130.8 | 1,055.1 | 1,111.1 |
| Cholecystectomy | 501.2 | 528.2 | 468.8 | 581.9 |
| Prostatectomy | 976.8 | 1,000.0 | 909.6 | 930.0 |
| Open reduction of fracture with internal fixation | 422.9 | 527.1 | 521.5 | 535.6 |
| Total and partial hip replacement | 316.2 | 450.8 | 519.7 | 497.8 |
| Total knee replacement ⁷ | 107.1 | 204.1 | 305.1 | 382.3 |
| Mastectomy | 182.3 | 168.6 | 178.1 | 184.0 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 5,012.4 | 13,368.7 | 17,200.6 | 21,148.5 |
| Computerized axial tomography | 467.3 | 2,285.7 | 2,384.5 | 2,210.6 |
| Arteriography and angiocardiology using contrast material | 728.5 | 1,629.2 | 2,376.4 | 2,492.2 |
| Diagnostic ultrasound | 402.3 | 1,781.0 | 2,351.7 | 2,328.6 |
| Circulatory monitoring | 159.5 | 1,417.1 | 1,310.7 | 1,226.9 |
| Radioisotope scan | 964.8 | 1,482.0 | 1,019.8 | 851.8 |
| Respiratory therapy | * | 117.2 | 1,808.0 | 1,853.0 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,279.6 | 4,659.4 | 5,949.4 | 10,185.6 |
| <i>All races,³ 75 years and over</i> | | | | |
| All procedures ^{4,5} | 30,356.6 | 45,327.0 | 49,754.6 | 56,791.1 |
| All surgical procedures ⁴ | 20,484.5 | 23,868.0 | 23,166.6 | 24,564.8 |
| All nonsurgical procedures ^{4,5} | 9,872.2 | 21,458.9 | 26,588.0 | 32,226.3 |
| Lens extraction | 1,810.8 | 827.8 | 230.1 | 301.9 |
| Bronchoscopy with or without biopsy | 409.0 | 498.8 | 495.5 | 505.7 |
| Removal of coronary artery obstruction | — | * | 200.0 | 330.5 |
| Coronary artery bypass graft ⁶ | * | 178.7 | 488.2 | 448.7 |
| Cardiac catheterization | 127.7 | 428.0 | 950.9 | 1,112.1 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 899.5 | 899.4 | 983.1 | 1,184.6 |
| Endoscopy of small intestine with or without biopsy | 400.7 | 1,097.6 | 1,860.1 | 1,929.6 |
| Endoscopy of large intestine with or without biopsy | 972.9 | 1,520.7 | 1,505.2 | 1,604.9 |
| Cholecystectomy | 460.9 | 577.4 | 500.8 | 574.2 |
| Prostatectomy | 1,112.7 | 1,161.9 | 952.7 | 1,021.8 |
| Open reduction of fracture with internal fixation | 753.6 | 915.1 | 859.0 | 890.8 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| All races, ³ 75 years and over—Con. | | | | |
| Total and partial hip replacement | 479.8 | 664.1 | 786.1 | 708.2 |
| Total knee replacement ⁷ | 117.4 | 233.1 | 253.5 | 368.4 |
| Mastectomy | 207.9 | 169.8 | 188.6 | 194.4 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 5,612.0 | 15,990.9 | 20,900.3 | 26,619.9 |
| Computerized axial tomography | 613.6 | 3,018.8 | 3,315.5 | 3,095.8 |
| Arteriography and angiocardiology using contrast material | 466.4 | 1,237.1 | 1,738.8 | 2,116.1 |
| Diagnostic ultrasound | 483.7 | 2,347.8 | 3,165.9 | 3,159.9 |
| Circulatory monitoring | 226.3 | 1,969.1 | 1,750.2 | 1,659.8 |
| Radioisotope scan | 1,207.8 | 1,792.0 | 1,261.5 | 1,051.5 |
| Respiratory therapy | * | 158.9 | 2,413.4 | 2,510.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,600.0 | 5,475.7 | 7,254.9 | 13,026.6 |
| White, all ages | | | | |
| All procedures ^{4,5} | 12,396.1 | 14,059.2 | 13,460.7 | 13,979.7 |
| All surgical procedures ⁴ | 9,591.3 | 9,371.8 | 7,733.0 | 7,564.4 |
| All nonsurgical procedures ^{4,5} | 2,804.8 | 4,687.3 | 5,727.7 | 6,415.3 |
| Lens extraction | 189.3 | 88.0 | 22.2 | 31.9 |
| Bronchoscopy with or without biopsy | 109.7 | 113.2 | 101.8 | 102.4 |
| Removal of coronary artery obstruction | * | 37.8 | 100.7 | 114.3 |
| Coronary artery bypass graft ⁶ | 62.6 | 102.7 | 151.1 | 151.4 |
| Cardiac catheterization | 152.5 | 288.8 | 352.8 | 355.3 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 80.5 | 94.7 | 95.1 | 105.8 |
| Endoscopy of small intestine with or without biopsy | 112.2 | 210.2 | 271.1 | 263.5 |
| Endoscopy of large intestine with or without biopsy | 218.4 | 248.5 | 191.0 | 197.2 |
| Cholecystectomy | 183.4 | 189.8 | 184.1 | 201.0 |
| Prostatectomy | 135.8 | 150.1 | 132.7 | 129.1 |
| Open reduction of fracture with internal fixation | 116.9 | 153.1 | 136.6 | 142.8 |
| Total and partial hip replacement | 46.1 | 69.6 | 79.3 | 73.4 |
| Total knee replacement ⁷ | 50.8 | 57.2 | 47.2 | 56.7 |
| Mastectomy | 45.1 | 46.1 | 43.7 | 40.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 1,612.7 | 3,483.8 | 4,023.9 | 4,725.1 |
| Computerized axial tomography | 123.5 | 543.7 | 508.5 | 460.4 |
| Arteriography and angiocardiology using contrast material | 244.9 | 465.1 | 629.9 | 614.6 |
| Diagnostic ultrasound | 121.1 | 464.7 | 509.2 | 481.0 |
| Circulatory monitoring | 32.4 | 245.3 | 247.6 | 218.1 |
| Radioisotope scan | 225.4 | 334.3 | 203.9 | 169.2 |
| Respiratory therapy | *3.0 | 24.5 | 364.7 | 358.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 862.4 | 1,406.2 | 1,560.0 | 2,423.4 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| White, 55–64 years | | | | |
| All procedures ^{4,5} | 16,592.9 | 20,873.2 | 19,712.7 | 20,403.6 |
| All surgical procedures ⁴ | 11,427.3 | 12,448.2 | 10,950.5 | 10,653.4 |
| All nonsurgical procedures ^{4,5} | 5,165.6 | 8,425.0 | 8,762.3 | 9,750.2 |
| Lens extraction | 341.1 | 145.4 | 23.8 | 40.6 |
| Bronchoscopy with or without biopsy | 265.1 | 270.3 | 214.2 | 233.0 |
| Removal of coronary artery obstruction | * | 126.5 | 340.6 | 372.8 |
| Coronary artery bypass graft ⁶ | 244.8 | 382.9 | 473.0 | 502.7 |
| Cardiac catheterization | 464.9 | 938.6 | 1,093.2 | 1,121.0 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 105.7 | 139.9 | 119.9 | 128.0 |
| Endoscopy of small intestine with or without biopsy | 214.5 | 363.8 | 462.7 | 451.4 |
| Endoscopy of large intestine with or without biopsy | 435.9 | 408.4 | 335.4 | 320.2 |
| Cholecystectomy | 354.6 | 371.6 | 346.4 | 386.7 |
| Prostatectomy | 290.1 | 289.0 | 248.2 | 231.1 |
| Open reduction of fracture with internal fixation | 118.0 | 198.2 | 171.2 | 174.1 |
| Total and partial hip replacement | 65.4 | 101.2 | 101.1 | 130.8 |
| Total knee replacement ⁷ | 74.6 | 83.1 | 103.4 | 108.5 |
| Mastectomy | 103.5 | 94.9 | 109.9 | 82.9 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 3,096.0 | 6,438.0 | 7,174.5 | 8,088.5 |
| Computerized axial tomography | 219.8 | 890.4 | 667.8 | 655.4 |
| Arteriography and angiocardiology using contrast material | 696.6 | 1,387.0 | 1,861.5 | 1,796.7 |
| Diagnostic ultrasound | 220.2 | 691.0 | 729.9 | 643.5 |
| Circulatory monitoring | 49.5 | 404.6 | 398.6 | 378.7 |
| Radioisotope scan | 438.1 | 598.6 | 357.4 | 313.1 |
| Respiratory therapy | * | *31.3 | 512.2 | 556.3 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,463.3 | 2,435.2 | 2,647.1 | 3,744.9 |
| White, 65–74 years | | | | |
| All procedures ^{4,5} | 22,611.5 | 31,538.0 | 31,474.7 | 33,416.0 |
| All surgical procedures ⁴ | 15,172.3 | 17,421.4 | 16,485.4 | 16,587.0 |
| All nonsurgical procedures ^{4,5} | 7,439.2 | 14,116.6 | 14,989.2 | 16,828.9 |
| Lens extraction | 844.3 | 333.1 | 87.9 | 143.0 |
| Bronchoscopy with or without biopsy | 437.0 | 453.7 | 388.2 | 384.5 |
| Removal of coronary artery obstruction | * | 124.9 | 416.7 | 424.2 |
| Coronary artery bypass graft ⁶ | 208.7 | 403.6 | 719.7 | 679.6 |
| Cardiac catheterization | 452.4 | 1,033.8 | 1,358.8 | 1,374.7 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 328.3 | 348.0 | 335.3 | 362.0 |
| Endoscopy of small intestine with or without biopsy | 276.3 | 601.7 | 809.1 | 818.9 |
| Endoscopy of large intestine with or without biopsy | 688.9 | 784.1 | 610.0 | 618.2 |
| Cholecystectomy | 475.4 | 440.1 | 387.8 | 501.9 |
| Prostatectomy | 767.9 | 812.6 | 758.3 | 734.6 |
| Open reduction of fracture with internal fixation | 183.5 | 231.6 | 241.7 | 237.6 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | 1980 | 1985 | 1990 ^{1,2} | 1991 ^{1,2} |
|---|----------|----------|---------------------|---------------------|
| White, 65–74 years—Con. | | | | |
| Total and partial hip replacement | 201.5 | 278.6 | 289.1 | 275.3 |
| Total knee replacement ⁷ | 88.5 | 157.8 | 292.9 | 329.7 |
| Mastectomy | 150.8 | 150.5 | 156.0 | 153.1 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 4,319.7 | 10,759.3 | 12,202.5 | 14,020.4 |
| Computerized axial tomography | 329.6 | 1,655.1 | 1,404.7 | 1,250.9 |
| Arteriography and angiocardiology using contrast material | 862.8 | 1,825.7 | 2,418.8 | 2,428.1 |
| Diagnostic ultrasound | 333.3 | 1,281.4 | 1,423.7 | 1,357.6 |
| Circulatory monitoring | 117.6 | 932.2 | 857.4 | 698.7 |
| Radioisotope scan | 792.1 | 1,200.4 | 718.2 | 541.0 |
| Respiratory therapy | * | 86.2 | 1,091.4 | 1,016.4 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,875.7 | 3,778.3 | 4,288.4 | 6,727.6 |
| White, 65 years and over | | | | |
| All procedures ^{4,5} | 24,368.5 | 35,854.7 | 36,072.2 | 39,357.5 |
| All surgical procedures ⁴ | 16,313.7 | 19,280.9 | 17,816.3 | 18,277.6 |
| All nonsurgical procedures ^{4,5} | 8,054.8 | 16,573.8 | 18,255.8 | 21,079.9 |
| Lens extraction | 1,125.3 | 511.6 | 128.9 | 189.0 |
| Bronchoscopy with or without biopsy | 411.7 | 455.9 | 410.5 | 404.2 |
| Removal of coronary artery obstruction | * | 85.6 | 311.6 | 362.5 |
| Coronary artery bypass graft ⁶ | 146.3 | 306.5 | 601.1 | 557.2 |
| Cardiac catheterization | 322.6 | 774.7 | 1,127.8 | 1,196.5 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 529.1 | 554.4 | 558.2 | 640.6 |
| Endoscopy of small intestine with or without biopsy | 310.9 | 765.7 | 1,114.1 | 1,125.9 |
| Endoscopy of large intestine with or without biopsy | 760.3 | 1,054.1 | 869.1 | 913.3 |
| Cholecystectomy | 446.0 | 478.9 | 407.6 | 507.8 |
| Prostatectomy | 844.1 | 915.9 | 786.6 | 781.3 |
| Open reduction of fracture with internal fixation | 372.1 | 492.8 | 468.9 | 468.5 |
| Total and partial hip replacement | 292.8 | 416.9 | 462.7 | 408.4 |
| Total knee replacement ⁷ | 93.4 | 174.0 | 254.2 | 320.7 |
| Mastectomy | 159.7 | 158.2 | 156.2 | 158.6 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 4,656.6 | 12,533.5 | 14,675.6 | 17,541.4 |
| Computerized axial tomography | 414.4 | 2,136.8 | 2,041.5 | 1,816.6 |
| Arteriography and angiocardiology using contrast material | 701.2 | 1,556.3 | 2,033.8 | 2,177.8 |
| Diagnostic ultrasound | 376.1 | 1,659.7 | 1,973.0 | 1,893.8 |
| Circulatory monitoring | 153.0 | 1,322.0 | 1,156.0 | 1,001.2 |
| Radioisotope scan | 924.4 | 1,401.1 | 869.0 | 672.0 |
| Respiratory therapy | * | 115.3 | 1,476.1 | 1,474.2 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,077.5 | 4,342.4 | 5,126.1 | 8,505.7 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| White, 75 years and over | | | | |
| All procedures ^{4,5} | 27,063.9 | 42,071.6 | 42,320.4 | 47,286.4 |
| All surgical procedures ⁴ | 18,064.7 | 21,959.0 | 19,625.1 | 20,533.6 |
| All nonsurgical procedures ^{4,5} | 8,999.2 | 20,112.6 | 22,695.3 | 26,752.8 |
| Lens extraction | 1,556.3 | 768.6 | 184.5 | 250.3 |
| Bronchoscopy with or without biopsy | 372.9 | 459.1 | 440.8 | 430.6 |
| Removal of coronary artery obstruction | — | * | 168.8 | 280.2 |
| Coronary artery bypass graft ⁶ | * | 166.7 | 439.9 | 393.7 |
| Cardiac catheterization | 123.5 | 401.5 | 813.8 | 958.8 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 837.1 | 851.7 | 861.1 | 1,012.5 |
| Endoscopy of small intestine with or without biopsy | 364.0 | 1,001.9 | 1,528.6 | 1,535.6 |
| Endoscopy of large intestine with or without biopsy | 869.8 | 1,443.1 | 1,221.2 | 1,307.0 |
| Cholecystectomy | 400.8 | 534.8 | 434.5 | 515.6 |
| Prostatectomy | 961.0 | 1,064.6 | 825.1 | 843.7 |
| Open reduction of fracture with internal fixation | 661.4 | 869.0 | 777.7 | 776.6 |
| Total and partial hip replacement | 432.9 | 616.1 | 698.6 | 586.1 |
| Total knee replacement ⁷ | 100.8 | 197.4 | 201.6 | 308.5 |
| Mastectomy | 173.3 | 169.2 | 156.5 | 165.8 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 5,173.4 | 15,088.8 | 18,036.7 | 22,240.0 |
| Computerized axial tomography | 544.5 | 2,830.6 | 2,907.0 | 2,571.5 |
| Arteriography and angiocardiology using contrast material | 453.3 | 1,168.2 | 1,510.7 | 1,843.8 |
| Diagnostic ultrasound | 441.7 | 2,204.4 | 2,719.6 | 2,609.3 |
| Circulatory monitoring | 207.3 | 1,883.3 | 1,561.7 | 1,404.9 |
| Radioisotope scan | 1,127.5 | 1,690.3 | 1,074.0 | 846.7 |
| Respiratory therapy | * | 157.2 | 1,998.9 | 2,085.1 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,387.1 | 5,154.8 | 6,264.7 | 10,878.7 |
| Black, all ages | | | | |
| All procedures ^{4,5} | 12,302.5 | 14,191.7 | 14,775.0 | 16,163.8 |
| All surgical procedures ⁴ | 9,553.1 | 9,283.9 | 7,482.5 | 7,710.4 |
| All nonsurgical procedures ^{4,5} | 2,749.4 | 4,907.8 | 7,292.5 | 8,453.4 |
| Lens extraction | 97.7 | 48.9 | *14.5 | *14.2 |
| Bronchoscopy with or without biopsy | 95.6 | 135.6 | 129.8 | 123.8 |
| Removal of coronary artery obstruction | — | * | *18.0 | 54.5 |
| Coronary artery bypass graft ⁶ | * | * | 25.2 | 38.2 |
| Cardiac catheterization | 67.2 | 144.5 | 213.7 | 211.6 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 43.7 | 45.0 | 53.4 | 79.3 |
| Endoscopy of small intestine with or without biopsy | 123.9 | 205.7 | 306.5 | 301.2 |
| Endoscopy of large intestine with or without biopsy | 175.4 | 223.1 | 183.9 | 202.9 |
| Cholecystectomy | 131.2 | 126.3 | 107.4 | 145.6 |
| Prostatectomy | 84.3 | 86.3 | 70.4 | 81.6 |
| Open reduction of fracture with internal fixation | 87.6 | 112.9 | 96.1 | 107.0 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Black, all ages—Con. | | | | |
| Total and partial hip replacement | * | * | 29.7 | 20.6 |
| Total knee replacement ⁷ | *26.9 | *51.0 | *15.5 | *27.9 |
| Mastectomy | *28.3 | *31.1 | *22.5 | 31.8 |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 1,557.7 | 3,524.2 | 4,668.1 | 5,866.4 |
| Computerized axial tomography | 130.8 | 596.3 | 644.5 | 612.4 |
| Arteriography and angiocardigraphy using contrast material | 144.9 | 294.9 | 448.7 | 408.2 |
| Diagnostic ultrasound | 208.9 | 648.1 | 888.1 | 845.9 |
| Circulatory monitoring | *30.8 | 268.2 | 299.8 | 312.1 |
| Radioisotope scan | 241.2 | 368.7 | 260.0 | 231.4 |
| Respiratory therapy | * | *20.6 | 515.3 | 547.2 |
| Other miscellaneous diagnostic and therapeutic procedures | 799.8 | 1,327.5 | 1,611.7 | 2,909.3 |
| Black, 55–64 years | | | | |
| All procedures ^{4,5} | 15,305.8 | 21,507.5 | 25,964.6 | 26,262.5 |
| All surgical procedures ⁴ | 9,763.6 | 10,797.9 | 11,920.6 | 11,157.2 |
| All nonsurgical procedures ^{4,5} | 5,542.3 | 10,709.5 | 14,044.0 | 15,105.2 |
| Lens extraction | *221.0 | * | * | * |
| Bronchoscopy with or without biopsy | * | *456.9 | 475.4 | 318.4 |
| Removal of coronary artery obstruction | — | * | * | *266.1 |
| Coronary artery bypass graft ⁶ | * | * | * | *168.8 |
| Cardiac catheterization | * | *569.2 | 826.5 | 923.2 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | * | * | * | *248.4 |
| Endoscopy of small intestine with or without biopsy | *375.1 | *511.5 | 823.3 | 764.9 |
| Endoscopy of large intestine with or without biopsy | *458.2 | *492.8 | *316.7 | *435.7 |
| Cholecystectomy | * | * | *255.5 | *335.2 |
| Prostatectomy | * | * | *296.1 | *205.5 |
| Open reduction of fracture with internal fixation | * | * | * | * |
| Total and partial hip replacement | * | * | * | * |
| Total knee replacement ⁷ | * | * | * | * |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 3,199.7 | 7,861.2 | 10,846.1 | 12,289.1 |
| Computerized axial tomography | *255.3 | 1,265.4 | 1,376.1 | 1,285.5 |
| Arteriography and angiocardigraphy using contrast material | *445.2 | 1,013.0 | 1,586.5 | 1,617.5 |
| Diagnostic ultrasound | *331.7 | 1,184.9 | 1,755.7 | 1,948.1 |
| Circulatory monitoring | * | 713.5 | 683.1 | 666.8 |
| Radioisotope scan | 533.6 | 955.7 | 614.8 | 541.7 |
| Respiratory therapy | — | * | 1,099.7 | 1,069.6 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,587.1 | 2,713.0 | 3,730.1 | 5,159.9 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Black, 65–74 years | | | | |
| All procedures ^{4,5} | 19,900.8 | 31,918.0 | 33,129.8 | 38,294.0 |
| All surgical procedures ⁴ | 12,153.9 | 15,618.4 | 13,448.8 | 15,641.8 |
| All nonsurgical procedures ^{4,5} | 7,746.9 | 16,299.5 | 19,681.0 | 22,652.2 |
| Lens extraction | *617.5 | * | * | * |
| Bronchoscopy with or without biopsy | *352.1 | 558.7 | 364.1 | 503.5 |
| Removal of coronary artery obstruction | — | * | * | *294.0 |
| Coronary artery bypass graft ⁶ | * | * | * | *258.6 |
| Cardiac catheterization | * | *495.9 | 1,096.0 | 962.7 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | * | * | * | *576.3 |
| Endoscopy of small intestine with or without biopsy | * | *609.2 | 920.7 | 1,147.1 |
| Endoscopy of large intestine with or without biopsy | *582.5 | 1,050.1 | 705.5 | 812.7 |
| Cholecystectomy | * | * | * | *454.3 |
| Prostatectomy | 755.2 | *671.9 | *663.2 | 622.2 |
| Open reduction of fracture with internal fixation | * | * | * | * |
| Total and partial hip replacement | * | * | * | * |
| Total knee replacement ⁷ | * | * | * | *302.4 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 4,134.5 | 11,884.9 | 15,828.3 | 18,215.0 |
| Computerized axial tomography | *339.9 | 2,009.2 | 2,128.9 | 2,110.6 |
| Arteriography and angiocardiology using contrast material | *473.0 | 1,176.4 | 2,404.4 | 1,632.0 |
| Diagnostic ultrasound | *313.2 | 1,633.5 | 2,618.9 | 2,731.8 |
| Circulatory monitoring | * | 1,232.3 | 1,066.1 | 1,260.6 |
| Radioisotope scan | 888.6 | 1,391.2 | 1,148.7 | 887.4 |
| Respiratory therapy | — | * | 2,013.8 | 1,969.1 |
| Other miscellaneous diagnostic and therapeutic procedures | 2,019.1 | 4,406.6 | 4,447.6 | 7,623.6 |
| Black, 65 years and over | | | | |
| All procedures ^{4,5} | 21,820.6 | 35,548.3 | 36,478.7 | 43,801.4 |
| All surgical procedures ⁴ | 13,536.6 | 17,227.8 | 14,971.7 | 17,671.3 |
| All nonsurgical procedures ^{4,5} | 8,284.0 | 18,320.6 | 21,506.9 | 26,130.1 |
| Lens extraction | 841.5 | *398.0 | * | * |
| Bronchoscopy with or without biopsy | *381.9 | 533.8 | 356.6 | 471.4 |
| Removal of coronary artery obstruction | — | * | * | 257.0 |
| Coronary artery bypass graft ⁶ | * | * | *133.2 | *181.4 |
| Cardiac catheterization | * | *411.7 | 791.0 | 796.1 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | *352.1 | *373.7 | 405.0 | 684.4 |
| Endoscopy of small intestine with or without biopsy | *403.8 | 815.6 | 1,300.8 | 1,465.2 |
| Endoscopy of large intestine with or without biopsy | 747.1 | 1,206.1 | 1,122.5 | 1,260.6 |
| Cholecystectomy | *323.6 | *426.5 | *123.6 | 433.0 |
| Prostatectomy | 841.2 | 790.6 | 589.7 | 802.8 |
| Open reduction of fracture with internal fixation | * | * | *186.9 | *198.7 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|---|-------------|-------------|---------------------------|---------------------------|
| Black, 65 years and over—Con. | | | | |
| Total and partial hip replacement | * | * | *163.9 | *115.2 |
| Total knee replacement ⁷ | * | * | * | *204.7 |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 4,463.3 | 13,503.7 | 16,669.1 | 20,884.3 |
| Computerized axial tomography | 469.5 | 2,438.9 | 2,635.1 | 2,478.2 |
| Arteriography and angiocardiology using contrast material | *393.7 | 1,139.8 | 1,825.9 | 1,539.1 |
| Diagnostic ultrasound | 407.0 | 1,999.1 | 2,950.6 | 3,154.5 |
| Circulatory monitoring | * | 1,434.1 | 1,323.2 | 1,370.5 |
| Radioisotope scan | 1,082.5 | 1,618.7 | 1,161.7 | 976.5 |
| Respiratory therapy | — | * | 1,831.2 | 2,099.2 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,955.3 | 4,799.0 | 4,941.5 | 9,266.2 |
| Black, 75 years and over | | | | |
| All procedures ^{4,5} | 25,248.9 | 41,380.6 | 41,522.6 | 52,123.6 |
| All surgical procedures ⁴ | 16,005.6 | 19,813.1 | 17,265.5 | 20,738.0 |
| All nonsurgical procedures ^{4,5} | 9,243.3 | 21,567.5 | 24,257.1 | 31,385.6 |
| Lens extraction | *1,241.6 | *573.9 | * | * |
| Bronchoscopy with or without biopsy | * | * | *345.4 | *422.9 |
| Removal of coronary artery obstruction | — | * | * | * |
| Coronary artery bypass graft ⁶ | — | * | * | * |
| Cardiac catheterization | * | * | *331.7 | *544.4 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | * | * | *524.5 | 847.9 |
| Endoscopy of small intestine with or without biopsy | * | *1,147.0 | 1,873.2 | 1,945.9 |
| Endoscopy of large intestine with or without biopsy | *1,041.1 | 1,456.8 | 1,750.6 | 1,937.3 |
| Cholecystectomy | * | * | * | * |
| Prostatectomy | *994.6 | *981.4 | *478.9 | 1,075.5 |
| Open reduction of fracture with internal fixation | * | * | * | * |
| Total and partial hip replacement | * | * | * | * |
| Total knee replacement ⁷ | — | * | * | * |
| Mastectomy | * | * | * | * |
| Miscellaneous diagnostic and therapeutic procedures ^{4,5} | 5,050.3 | 16,104.1 | 17,935.6 | 24,917.8 |
| Computerized axial tomography | *700.9 | 3,129.2 | 3,397.5 | 3,033.7 |
| Arteriography and angiocardiology using contrast material | * | *1081.0 | 954.5 | 1,398.7 |
| Diagnostic ultrasound | * | 2,586.5 | 3,450.2 | 3,793.4 |

Table 10. Rate of all-listed surgical procedures for discharges from short-stay hospitals, by race, age, and procedure category: United States, 1980, 1985, 1990, and 1991—Con.

[Data are based on a sample of hospital records]

| <i>Race, age, and surgical category</i> | <i>1980</i> | <i>1985</i> | <i>1990^{1,2}</i> | <i>1991^{1,2}</i> |
|--|-------------|-------------|---------------------------|---------------------------|
| Black, 75 years and over—Con. | | | | |
| Miscellaneous diagnostic and therapeutic procedures ^{3,4} —Con. | | | | |
| Circulatory monitoring | * | 1,758.4 | 1,710.6 | 1,536.7 |
| Radioisotope scan | 1,428.8 | 1,984.2 | 1,181.4 | 1,111.2 |
| Respiratory therapy | — | * | 1,556.1 | 2,295.8 |
| Other miscellaneous diagnostic and therapeutic procedures | 1,841.4 | 5,429.4 | 5,685.3 | 11,748.4 |

¹Comparisons of data for 1990 and 1991 with those of earlier years should be made with caution, as estimates of change may reflect improvements in the design (see appendix I) rather than true changes in hospital use.

²Beginning in 1989, the definitions of some surgical and diagnostic and other nonsurgical procedures were revised, thus causing a discontinuity in the trends for the totals and selected surgical procedures^{4,5}. See appendix II.

³Data include races other than white and black.

⁴Includes procedures not listed on the table.

⁵Inpatients discharged from short-stay hospitals had an estimated 20,519,000 nonsurgical procedures in 1991. In 1990, only 17,450,000 nonsurgical procedures were reported. The main reason for this increase was that 1991 was the first year in which all ICD-9-CM procedure codes were used in the National Hospital Discharge Survey. In previous years, selected codes were excluded, primarily codes for certain miscellaneous diagnostic and therapeutic procedures. See appendix II for a list of excluded codes.

⁶In 1991, the rate per 100,000 population of discharged patients with a coronary artery bypass graft was 105.8.

⁷For 1980 and 1985, this category is arthroplasty and replacement of knee.

*Estimates based on fewer than 30 discharges are not shown; estimates based on 30-59 discharges are to be used with caution and are preceded by an asterisk.

NOTES: Discharges are from non-Federal hospitals. Discharges exclude newborn infants. Data do not reflect total use of operations because operations for outpatients are not included in the National Hospital Discharge Survey. In recent years, for example, lens extractions have frequently been performed on outpatients. Surgical and nonsurgical procedure categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)*. For a listing of the code numbers, see appendix II.

SOURCE: National Center for Health Statistics: Data from the National Hospital Discharge Survey.

Chapter 5

Trends in long-term care

Introduction

Information presented in this chapter summarizes selected data collected in the National Nursing Home Surveys (NNHS) of 1973–74, 1977, and 1985 and the Resident Places Survey 1 (RPS–1) of April–June 1963 on nursing home residents. Data presented focus on the individual and composite measures of functional status, continence status, and depression and selected behavioral problems of nursing home residents. Data are presented in tables 1–6.

Sources of data

The NNHS is a nationwide sample survey of nursing and related care homes, their residents, discharges, and staff, conducted periodically by the National Center for Health Statistics (NCHS). NNHS is based on a probability sample of nursing homes; it includes all types of nursing homes without regard to the level of care they provide, whether they participate in the Medicare or Medicaid programs, or whether they are licensed. It excludes board or care homes and facilities identified as providing residential care.

The 1977 NNHS was conducted May through December 1977, and the 1985 NNHS was conducted between August 1985 and January 1986. These surveys are designed to provide comprehensive information about people using this component

NOTES: The authors wish to acknowledge Evelyn Mathis and Esther Hing, Division of Health Care Statistics, NCHS, for their helpful comments on the manuscript.

of long-term care and about the facilities in which they reside. For more information concerning RPS–1 (April–June 1963) and the 1973–74 NNHS, see appendix I.

The 1977 and 1985 NNHS both employed a stratified two-stage probability sample. The first stage was a selection of facilities, and the second stage was a selection of residents, discharges, and staff from the sample facilities. Data for a sample of residents on the facility's roster at the time of the survey were collected by interviewing the nurse most familiar with the care provided to the resident. When responding, the nurse relied on medical records supplemented by personal knowledge of the residents. No resident was interviewed directly. A detailed description of the survey procedures is found in appendix I.

Definition of terms

Nursing home—An establishment with three or more beds that provides nursing or personal care to the aged, infirm, or chronically ill. Establishments range from facilities that provide nursing care to those that provide one or two personal care services.

Resident—A person on the roster of the nursing home as of the night before the survey. Included are all residents for whom beds are maintained, even though they may be away on overnight leave or in a hospital.

Activities of daily living (ADL's)—Selected everyday activities (bathing, dressing, using toilet room, mobility, eating, and continence) for which the nursing home staff respondent reported the resident's current performance in terms of need for

the help of special equipment or another person:

- *Bathing*

Independent—Does not currently require any assistance in bathing or bathes with the help of an assistive device.

Help of another person required—Bathes with the help of another person with or without the use of special equipment.

- *Dressing*

Independent—Does not currently require any assistance in dressing or dresses with the help of an assistive device.

Help of another person required—Currently dresses with help of another person with or without the use of special equipment. This category also includes those who do not dress and those cases in which the resident remains partially or totally undressed.

- *Using toilet room*

Independent—Does not currently require any assistance in using the toilet room or uses the toilet room with the aid of an assistive device.

Help of another person required—Uses the toilet room with the help of another person with or without the use of an assistive device.

Does not use—Does not currently use the toilet room because of an ostomy, or because of being chairfast, or for a similar reason.

- *Mobility*

Walks independently—Does not require any assistance in walking or walks with the aid of an assistive device.

Help of another person required—Walks with the help of another person with or without the use of an assistive device.

Chairfast—Currently confined to a chair.

Bedfast—Currently confined to a bed.

- *Eating*

Independent—Does not require any assistance in eating or eats with the aid of an assistive device.

Help of another person required—Currently eats with the help of another person with or without the aid of an assistive device. This includes residents requiring assistance with the cutting of meat and buttering of bread, as well as those who require tube or intravenous feeding.

- *Continence*

No difficulty controlling bowels or bladder—Does not currently have any difficulty in controlling either bowel or bladder.

Difficulty controlling bowels—Currently has difficulty controlling bowels.

Difficulty controlling bladder—Currently has difficulty controlling bladder.

Ostomy—Has undergone a surgical procedure that resulted in the creation of an artificial opening for the elimination of waste for either the bowel or the bladder.

Index of dependency in activities of daily living—

The index of dependency in activities of daily living, based on the work of Dr. Sidney Katz (1,2), is a measure that permits the overall classification of individuals according to a hierarchy based on dependency in performing the six activities of daily living just described. The index has seven levels of dependence, with each successive level indicating greater dependency. The index category “other” includes residents who were dependent in at least two functions but not classifiable into any of the categories of the hierarchy. The following list of activities is ordered in hierarchical sequence and presents the criteria for classifying a resident as dependent:

- *Bathing*—This refers to those residents who require help of another person in bathing.

- *Dressing*—This refers to those residents who require help of another person in dressing, including those who do not dress.

- *Using toilet room*—This refers to those residents who require help of another person in using the toilet room or who do not use the toilet room.

- *Mobility*—This refers to those residents who require help of another person in walking or who are chairfast or bedfast.
- *Continence*—This refers to those residents who have difficulty controlling bowels, bladder, or both, or who have an ostomy.
- *Eating*—This refers to those residents who require help of another person to eat, including those who are tube or intravenously fed.

Hearing—Hearing is the resident's ability to hear (when wearing a hearing aid, if applicable). Hearing may be:

- *Partially impaired*—Person can hear most of the things someone says. This includes a small number of residents whose hearing is impaired but whose level of impairment is unknown.
- *Severely impaired*—Person can hear only loud noises or a few words a person says.
- *Completely lost*—Resident is deaf.

Vision—The resident's ability to see (when wearing glasses, if applicable). Vision may be:

- *Partially impaired*—Person cannot read newspaper print but can watch television 8–12 feet away. This includes a small number of residents whose vision is impaired but whose level of impairment is unknown.
- *Severely impaired*—Person cannot watch television 8–12 feet away but can recognize the features of familiar persons if they are within 2–3 feet.
- *Completely lost*—Resident is blind.

Selected behavioral problems—Resident is physically abusive to self or to others and/or gets lost or wanders into unacceptable places.

Depression—Resident displays depression of such degree that he or she is distressed or restricted in functioning nearly every day.

Discussion

One measure of nursing home utilization is the rate of residents per 1,000 population. Examination

of this rate indicates that the heaviest users of nursing home care are females 85 years of age and over (figure 1). This group had a rate of 250 per 1,000 population in 1985. For the 22-year period 1963–85, the rates of nursing home use increased by about 50 percent. This increase in use occurred for both females and males and for the oldest-old (85 years of age and over) as well as the younger elderly (65–74 years). One reason for the increased use during 1963–73 was the availability of public funding for nursing home care as a result of the enactment of Medicare and Medicaid legislation in 1965. In recent years, nursing home use has stabilized. From 1977 to 1985, the rates remained relatively constant except for a slight decrease for females 75–84 years of age.

Between 1977 and 1985, nursing home residents became more disabled in mobility (figure 2) and in performing ADL's (figure 3). These increases in disability can have implications for both the amount and type of care needed. Nursing home residents who are confined to a bed or chair are the most severely disabled in mobility. Bedfast residents, in particular, are at increased risk of decubitus ulcer. For the oldest-old, the percent who were chairfast or bedfast increased by about 25 percent. This was the case for both females and males. By 1985, more than one-half of the oldest-old females and nearly one-half of the oldest-old males were chairfast or bedfast. The percent of females 75–84 years of age who were chairfast or bedfast also increased significantly during 1977–85, but this was not the case for males.

ADL disabilities have been found to be significant predictors of mortality in general and of admission to a nursing home (3), as well as of mortality during the first year of a nursing home stay (4). Residents with ADL disabilities were those classified as dependent in any of six ADL's because they required the assistance of another person. In 1977 and in 1985, the majority of nursing home residents had three or more ADL dependencies (figure 3). This was the case for both females and males and

for the younger elderly and the oldest-old. The percent of females dependent in three or more ADL's increased over this time period to about 75 percent. This increase occurred for both the younger elderly and the oldest-old. There was no comparable increase for males.

The nursing staff were asked if the sampled residents displayed depression to such a degree that functioning was restricted nearly every day. Data on degree of restriction are a measure of the functional impact of depression. Symptoms of depression have been associated with increased use of physical restraints during the first year after nursing home admission (5). Depression has also been associated with mortality in nursing homes (4). From 1977 to 1985, the percent of oldest-old residents with depression that restricted their functioning decreased (fig-

ure 4). This decrease occurred for both females and males. Decreases were also found for females 75–84 years of age.

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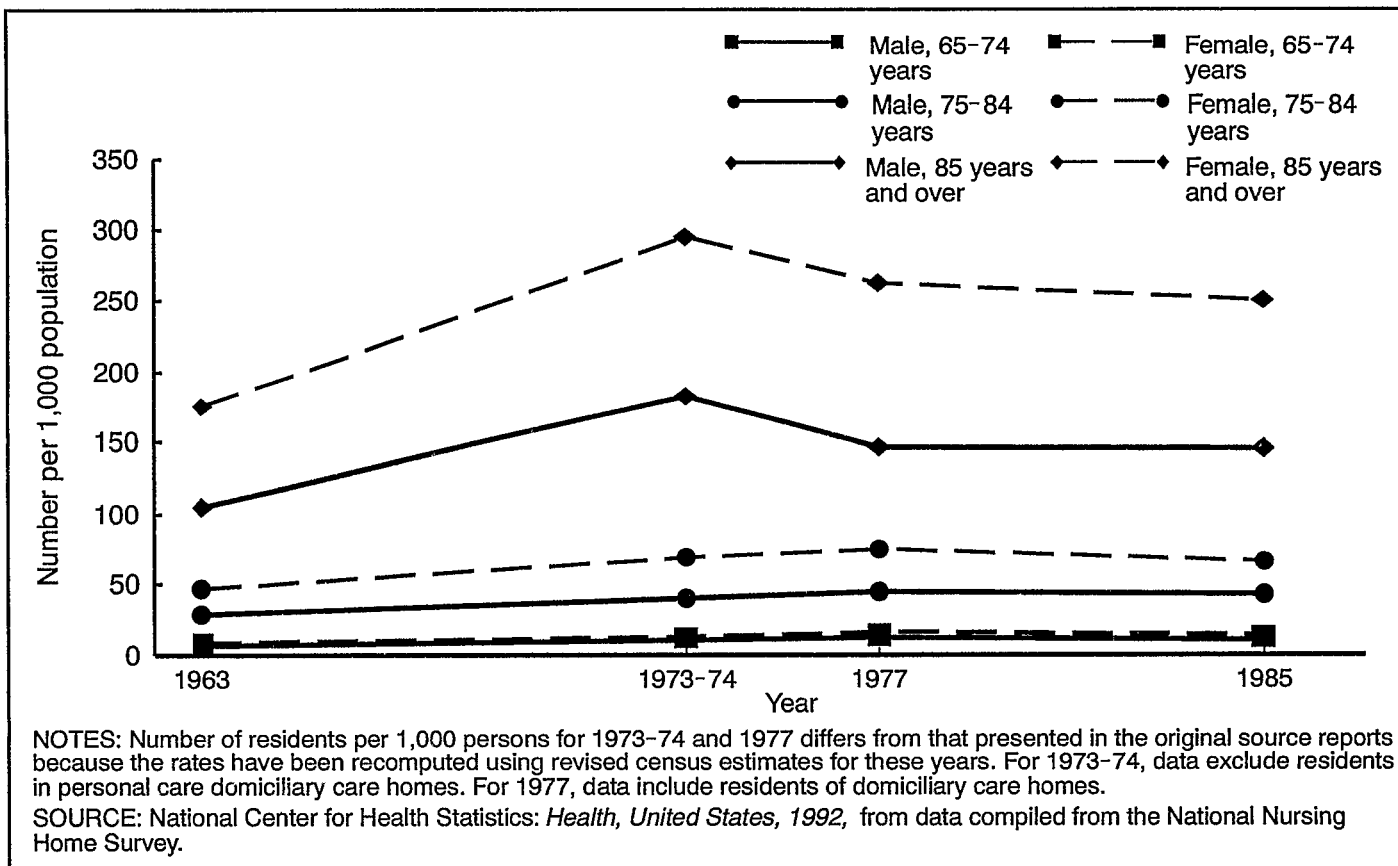


Figure 1. Number of nursing home residents per 1,000 persons 65 years of age and over, by sex and age: United States, selected years

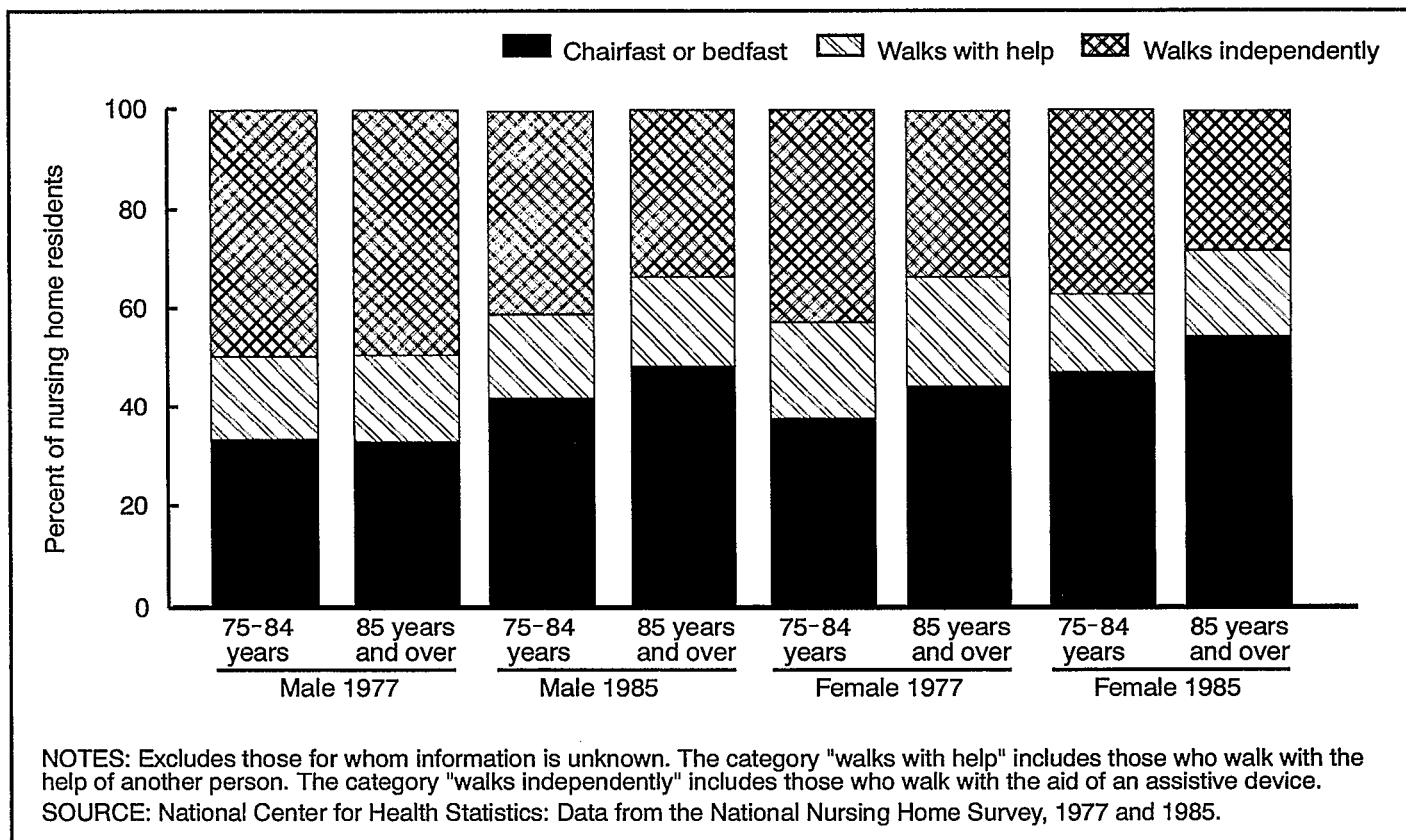


Figure 2. Percent distribution of nursing home residents, according to mobility status, age, and sex: United States, 1977 and 1985

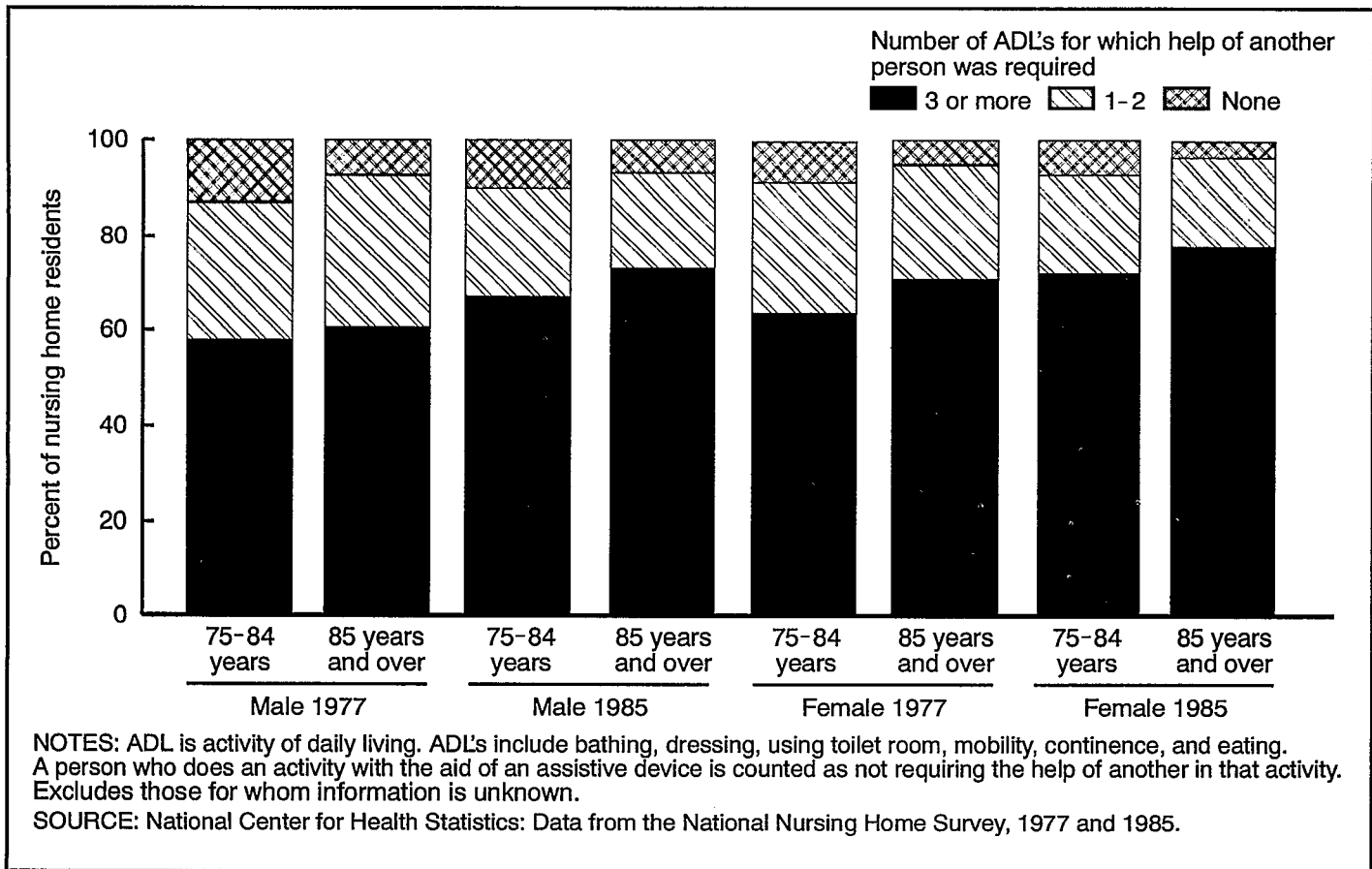


Figure 3. Percent distribution of nursing home residents, according to number of activities of daily living for which help of another was required, by age and sex: United States, 1977 and 1985

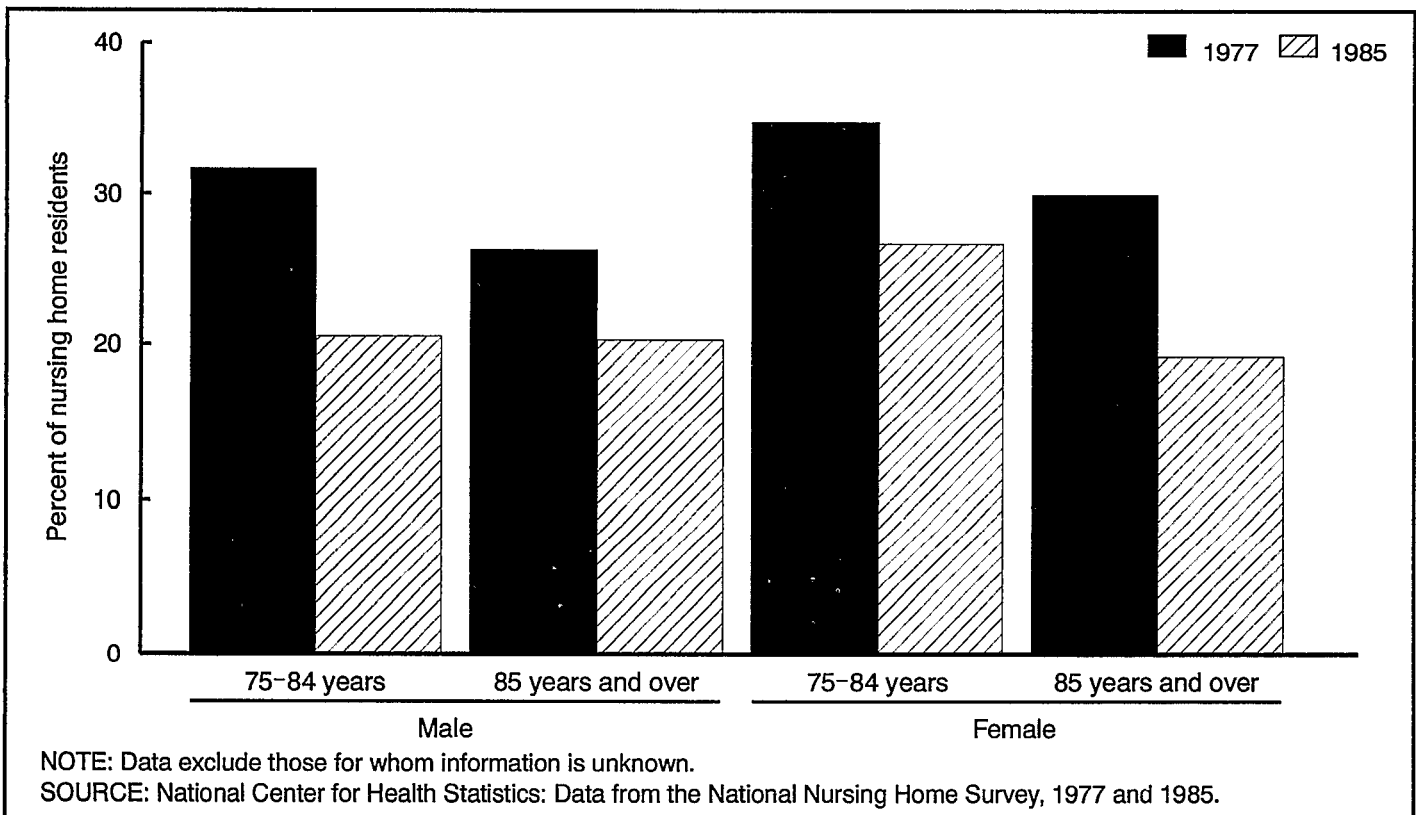


Figure 4. Percent of nursing home residents with depression, by age and sex: United States, 1977 and 1985

Table 1. Number and rate of nursing home residents 65 years of age and over, by age, sex, and race: United States, 1963, 1973–74, 1977, 1985

[Data are based on a sample of resident records from a sample of nursing homes]

| Age, sex, and race | 1963 | 1973–74 ¹ | 1977 ² | 1985 |
|-------------------------|---|----------------------|-------------------|-----------|
| | Number | | | |
| All ages | 445,600 | 961,500 | 1,126,000 | 1,318,300 |
| | Residents per 1,000 population ³ | | | |
| Age | | | | |
| All ages | 25.4 | 44.7 | 47.1 | 46.2 |
| 65–74 years | 7.9 | 12.3 | 14.4 | 12.5 |
| 75–84 years | 39.6 | 57.7 | 64.0 | 57.7 |
| 85 years and over | 148.4 | 257.3 | 225.9 | 220.3 |
| Sex | | | | |
| Male | 18.1 | 30.0 | 30.3 | 29.0 |
| 65–74 years | 6.8 | 11.3 | 12.6 | 10.8 |
| 75–84 years | 29.1 | 39.9 | 44.9 | 43.0 |
| 85 years and over | 105.6 | 182.7 | 146.3 | 145.7 |
| Female | 31.1 | 54.9 | 58.6 | 57.9 |
| 65–74 years | 8.8 | 13.1 | 15.8 | 13.8 |
| 75–84 years | 47.5 | 68.9 | 75.4 | 66.4 |
| 85 years and over | 175.1 | 294.9 | 262.4 | 250.1 |
| Race ⁴ | | | | |
| White | 26.6 | 46.9 | 48.9 | 47.7 |
| 65–74 years | 8.1 | 12.5 | 14.2 | 12.3 |
| 75–84 years | 41.7 | 60.3 | 67.0 | 59.1 |
| 85 years and over | 157.7 | 270.8 | 234.2 | 228.7 |
| Black | 10.3 | 22.0 | 30.7 | 35.0 |
| 65–74 years | 5.9 | 11.1 | 17.6 | 15.4 |
| 75–84 years | 13.8 | 26.7 | 33.4 | 45.3 |
| 85 years and over | 41.8 | 105.7 | 133.6 | 141.5 |

¹Excludes residents in personal care or domiciliary care homes.

²Includes residents in domiciliary care homes.

³Residents per 1,000 population for 1973–74 and 1977 differ from those presented in the original source reports because the rates have been recomputed using revised census estimates for these years.

⁴For data years 1973–74 and 1977, all Hispanic persons were included in the white category. For 1963, the category "Black" includes all other races.

SOURCE: National Center for Health Statistics: *Health, United States, 1992*. See appendix I for original sources.

Table 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985

[Data are based on a sample of resident records from a sample of nursing homes]

| Functional status and age | 1977 | | | 1985 | | |
|--|------------|---------|---------|------------|---------|-----------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | |
| All residents | 1,303,100 | 375,300 | 927,800 | 1,489,500 | 423,100 | 1,066,400 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 14.0 | 19.5 | 11.8 | 11.1 | 17.8 | 8.5 |
| Help of another person required | 86.0 | 80.5 | 88.2 | 88.9 | 82.2 | 91.5 |
| Dressing: | | | | | | |
| Independent ¹ | 30.7 | 38.0 | 27.8 | 24.5 | 32.1 | 21.5 |
| Help of another person required ² | 69.3 | 62.0 | 72.2 | 75.5 | 67.9 | 78.5 |
| Using toilet room: | | | | | | |
| Independent ¹ | 48.6 | 56.9 | 45.3 | 39.5 | 48.2 | 36.0 |
| Help of another person required | 41.2 | 33.6 | 44.3 | 48.5 | 42.5 | 50.9 |
| Does not use | 10.2 | 9.5 | 10.4 | 12.1 | 9.3 | 13.1 |
| Mobility: | | | | | | |
| Walks independently ¹ | 45.3 | 53.9 | 41.8 | 38.0 | 45.1 | 35.2 |
| Walks with help of another person | 17.3 | 13.6 | 18.8 | 15.3 | 13.6 | 16.0 |
| Chairfast | 32.1 | 27.3 | 34.0 | 40.1 | 36.4 | 41.6 |
| Bedfast | 5.3 | 5.1 | 5.4 | 6.6 | 4.8 | 7.3 |
| Eating: | | | | | | |
| Independent ¹ | 68.2 | 72.8 | 66.3 | 61.0 | 67.2 | 58.6 |
| Help of another person required ³ | 31.8 | 27.2 | 33.7 | 39.0 | 32.8 | 41.4 |
| Vision: | | | | | | |
| Not impaired | 70.9 | 73.8 | 69.7 | 75.1 | 78.7 | 73.6 |
| Partially impaired | 19.0 | 17.6 | 19.6 | 16.1 | 14.0 | 16.9 |
| Severely impaired | 6.9 | 5.4 | 7.6 | 6.1 | 4.7 | 6.7 |
| No vision | 3.1 | 3.2 | 3.1 | 2.7 | 2.6 | 2.8 |
| Hearing: | | | | | | |
| Not impaired | 72.6 | 72.2 | 72.7 | 78.0 | 79.2 | 77.5 |
| Partially impaired | 22.2 | 22.3 | 22.1 | 17.7 | 17.0 | 18.0 |
| Severely impaired | 4.5 | 4.7 | 4.4 | 3.6 | 3.2 | 3.8 |
| No hearing | 0.7 | *0.8 | 0.7 | 0.6 | *0.6 | 0.6 |
| 55-64 years | | | | | | |
| All residents | 100,800 | 43,100 | 57,700 | 91,800 | 44,100 | 47,800 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 27.1 | 29.3 | 25.4 | 27.1 | 28.7 | 25.7 |
| Help of another person required | 72.9 | 70.7 | 74.6 | 72.9 | 71.3 | 74.3 |
| Dressing: | | | | | | |
| Independent ¹ | 45.2 | 48.6 | 42.7 | 38.1 | 40.9 | 35.5 |
| Help of another person required ² | 54.8 | 51.4 | 57.3 | 61.9 | 59.1 | 64.5 |
| Using toilet room: | | | | | | |
| Independent ¹ | 63.5 | 67.4 | 60.6 | 54.4 | 58.8 | 50.4 |
| Help of another person required | 28.0 | 24.2 | 30.9 | 35.6 | 34.1 | 37.0 |
| Does not use | 8.5 | *8.3 | *8.5 | 9.9 | *7.0 | 12.6 |

Table 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Functional status and age | 1977 | | | 1985 | | |
|--|------------|--------|---------|------------|--------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 55–64 years—Con. | | | | | | |
| Percent | | | | | | |
| Mobility: | | | | | | |
| Walks independently ¹ | 59.8 | 62.2 | 58.0 | 51.8 | 56.5 | 47.4 |
| Walks with help of another person | 9.5 | *7.4 | 11.1 | 11.6 | *9.4 | 13.6 |
| Chairfast | 26.5 | 25.6 | 27.2 | 29.9 | 29.2 | 30.5 |
| Bedfast | *4.2 | *4.7 | *3.8 | 6.7 | *4.9 | *8.5 |
| Eating: | | | | | | |
| Independent ¹ | 76.6 | 80.5 | 73.6 | 70.8 | 71.7 | 69.9 |
| Help of another person required ³ | 23.4 | 19.5 | 26.4 | 29.2 | 28.3 | 30.1 |
| Vision: | | | | | | |
| Not impaired | 83.9 | 83.9 | 83.9 | 87.7 | 87.1 | 88.3 |
| Partially impaired | 12.7 | *11.2 | 13.8 | *6.4 | *7.4 | *5.5 |
| Severely impaired | *1.4 | *2.2 | *0.8 | *3.0 | *3.0 | *3.0 |
| No vision | *2.0 | *2.7 | *1.5 | *2.9 | *2.5 | *3.3 |
| Hearing: | | | | | | |
| Not impaired | 89.9 | 88.8 | 90.7 | 94.1 | 91.8 | 96.3 |
| Partially impaired | 8.3 | *8.8 | *7.9 | *5.4 | *7.3 | *3.7 |
| Severely impaired | *0.5 | *1.1 | — | *0.2 | *0.4 | — |
| No hearing | *1.3 | *1.2 | *1.4 | *0.3 | *0.6 | — |
| 65–74 years | | | | | | |
| Number | | | | | | |
| All residents | 211,400 | 80,200 | 131,200 | 212,100 | 80,600 | 131,500 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 19.0 | 23.7 | 16.1 | 15.5 | 23.3 | 10.7 |
| Help of another person required | 81.0 | 76.3 | 83.9 | 84.5 | 76.7 | 89.3 |
| Dressing: | | | | | | |
| Independent ¹ | 38.9 | 45.1 | 35.1 | 29.7 | 35.8 | 25.9 |
| Help of another person required ² | 61.1 | 54.9 | 64.9 | 70.3 | 64.2 | 74.1 |
| Using toilet room: | | | | | | |
| Independent ¹ | 53.8 | 57.2 | 51.7 | 43.9 | 51.2 | 39.5 |
| Help of another person required | 37.0 | 34.0 | 38.9 | 45.2 | 42.0 | 47.2 |
| Does not use | 9.2 | 8.8 | 9.4 | 10.8 | *6.8 | 13.3 |
| Mobility: | | | | | | |
| Walks independently ¹ | 51.9 | 54.8 | 50.1 | 46.6 | 51.3 | 43.7 |
| Walks with help of another person | 12.7 | 11.4 | 13.4 | 12.9 | 10.4 | 14.4 |
| Chairfast | 30.5 | 29.5 | 31.1 | 34.2 | 33.9 | 34.3 |
| Bedfast | 5.0 | *4.3 | 5.4 | 6.4 | *4.4 | 7.6 |
| Eating: | | | | | | |
| Independent ¹ | 73.4 | 76.8 | 71.3 | 66.8 | 68.0 | 66.1 |
| Help of another person required ³ | 26.6 | 23.2 | 28.7 | 33.2 | 32.0 | 33.9 |
| Vision: | | | | | | |
| Not impaired | 80.5 | 78.5 | 81.7 | 83.1 | 86.3 | 81.1 |
| Partially impaired | 13.2 | 14.2 | 12.6 | 10.8 | 9.2 | 11.8 |
| Severely impaired | 3.6 | *4.0 | *3.3 | 4.7 | *3.7 | 5.2 |
| No vision | 2.8 | *3.2 | *2.5 | *1.5 | *0.8 | *1.9 |

Table 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Functional status and age | 1977 | | | 1985 | | |
|--|------------|---------|---------|------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 65–74 years—Con. | | | | | | |
| Percent | | | | | | |
| Hearing: | | | | | | |
| Not impaired | 85.6 | 83.6 | 86.8 | 90.5 | 91.4 | 90.0 |
| Partially impaired | 11.7 | 13.7 | 10.5 | 7.9 | 8.0 | 7.9 |
| Severely impaired | *2.0 | *2.3 | *1.9 | *1.2 | *0.3 | *1.7 |
| No hearing | *0.7 | *0.4 | *0.9 | *0.4 | *0.3 | *0.4 |
| 75–84 years | | | | | | |
| Number | | | | | | |
| All residents | 464,700 | 122,100 | 342,600 | 507,800 | 141,200 | 366,700 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 11.7 | 16.0 | 10.2 | 9.6 | 11.7 | 8.8 |
| Help of another person required | 88.3 | 84.0 | 89.8 | 90.4 | 88.3 | 91.2 |
| Dressing: | | | | | | |
| Independent ¹ | 27.9 | 31.9 | 26.4 | 24.1 | 29.1 | 22.2 |
| Help of another person required ² | 72.1 | 68.1 | 73.6 | 75.9 | 70.9 | 77.8 |
| Using toilet room: | | | | | | |
| Independent ¹ | 47.0 | 54.4 | 44.3 | 39.9 | 45.4 | 37.7 |
| Help of another person required | 43.3 | 36.7 | 45.7 | 47.5 | 45.4 | 48.3 |
| Does not use | 9.7 | 8.9 | 10.0 | 12.6 | 9.1 | 14.0 |
| Mobility: | | | | | | |
| Walks independently ¹ | 44.6 | 49.6 | 42.9 | 38.4 | 41.1 | 37.4 |
| Walks with help of another person | 19.0 | 17.1 | 19.6 | 16.1 | 16.9 | 15.7 |
| Chairfast | 31.5 | 28.5 | 32.6 | 39.3 | 36.9 | 40.2 |
| Bedfast | 4.9 | 4.8 | 4.9 | 6.2 | 5.0 | 6.7 |
| Eating: | | | | | | |
| Independent ¹ | 67.0 | 69.9 | 66.0 | 61.1 | 68.0 | 58.5 |
| Help of another person required ³ | 33.0 | 30.1 | 34.0 | 38.9 | 32.0 | 41.5 |
| Vision: | | | | | | |
| Not impaired | 71.1 | 73.0 | 70.4 | 77.8 | 74.9 | 78.9 |
| Partially impaired | 19.8 | 20.3 | 19.7 | 15.5 | 18.1 | 14.5 |
| Severely impaired | 6.3 | *4.2 | 7.1 | 4.5 | 4.8 | 4.3 |
| No vision | 2.7 | *2.6 | 2.8 | 2.3 | *2.2 | 2.3 |
| Hearing: | | | | | | |
| Not impaired | 74.7 | 70.0 | 76.3 | 82.2 | 77.4 | 84.1 |
| Partially impaired | 21.6 | 24.7 | 20.5 | 15.6 | 20.3 | 13.7 |
| Severely impaired | 3.1 | *4.3 | 2.7 | 1.6 | *1.7 | *1.6 |
| No hearing | *0.6 | *0.9 | *0.5 | *0.6 | *0.6 | *0.6 |
| 65 years and over | | | | | | |
| Number | | | | | | |
| All residents | 1,126,000 | 294,000 | 832,000 | 1,316,800 | 333,900 | 982,800 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 11.8 | 16.1 | 10.3 | 8.7 | 13.2 | 7.2 |
| Help of another person required | 88.2 | 83.9 | 89.7 | 91.3 | 86.8 | 92.8 |
| Dressing: | | | | | | |
| Independent ¹ | 28.5 | 35.2 | 26.2 | 22.3 | 28.4 | 20.2 |
| Help of another person required ² | 71.5 | 64.8 | 73.8 | 77.7 | 71.6 | 79.8 |

Table 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Functional status and age | 1977 | | | 1985 | | |
|--|------------|---------|---------|------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over—Con. | | | | | | |
| Percent | | | | | | |
| Using toilet room: | | | | | | |
| Independent ¹ | 46.4 | 54.0 | 43.7 | 37.0 | 44.4 | 34.5 |
| Help of another person required | 43.4 | 37.0 | 45.7 | 50.9 | 46.2 | 52.4 |
| Does not use | 10.2 | 9.0 | 10.6 | 12.1 | 9.4 | 13.1 |
| Mobility: | | | | | | |
| Walks independently ¹ | 42.9 | 51.0 | 40.0 | 35.6 | 41.2 | 33.7 |
| Walks with help of another person | 18.7 | 15.8 | 19.7 | 16.2 | 15.6 | 16.4 |
| Chairfast | 33.1 | 28.3 | 34.7 | 41.5 | 38.5 | 42.6 |
| Bedfast | 5.4 | 4.9 | 5.5 | 6.6 | 4.6 | 7.3 |
| Eating: | | | | | | |
| Independent ¹ | 67.1 | 71.6 | 65.6 | 59.9 | 65.9 | 57.9 |
| Help of another person required ³ | 32.9 | 28.4 | 34.4 | 40.1 | 34.1 | 42.1 |
| Vision: | | | | | | |
| Not impaired | 68.7 | 70.8 | 68.0 | 73.2 | 76.1 | 72.3 |
| Partially impaired | 20.3 | 19.8 | 20.5 | 17.3 | 16.1 | 17.8 |
| Severely impaired | 7.7 | 6.0 | 8.3 | 6.7 | 5.4 | 7.1 |
| No vision | 3.2 | 3.3 | 3.2 | 2.7 | 2.5 | 2.8 |
| Hearing: | | | | | | |
| Not impaired | 69.6 | 66.9 | 70.5 | 75.6 | 75.2 | 75.8 |
| Partially impaired | 24.6 | 26.5 | 23.9 | 19.6 | 20.2 | 19.4 |
| Severely impaired | 5.2 | 5.8 | 4.9 | 4.1 | 3.9 | 4.2 |
| No hearing | 0.7 | *0.8 | 0.7 | 0.7 | *0.7 | 0.7 |
| 75 years and over | | | | | | |
| Number | | | | | | |
| All residents | 914,600 | 213,800 | 700,800 | 1,104,700 | 253,400 | 851,300 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 10.1 | 13.3 | 9.2 | 7.4 | 10.0 | 6.6 |
| Help of another person required | 89.9 | 86.7 | 90.8 | 92.6 | 90.0 | 93.4 |
| Dressing: | | | | | | |
| Independent ¹ | 26.1 | 31.4 | 24.5 | 20.9 | 26.0 | 19.3 |
| Help of another person required ² | 73.9 | 68.6 | 75.5 | 79.1 | 74.0 | 80.7 |
| Using toilet room: | | | | | | |
| Independent ¹ | 44.7 | 52.8 | 42.2 | 35.7 | 42.2 | 33.7 |
| Help of another person required | 44.9 | 38.1 | 47.0 | 51.9 | 47.6 | 53.2 |
| Does not use | 10.4 | 9.1 | 10.8 | 12.4 | 10.3 | 13.0 |
| Mobility: | | | | | | |
| Walks independently ¹ | 40.8 | 49.5 | 38.1 | 33.5 | 37.9 | 32.2 |
| Walks with help of another person | 20.1 | 17.4 | 20.9 | 16.9 | 17.3 | 16.7 |
| Chairfast | 33.7 | 27.9 | 35.4 | 43.0 | 40.0 | 43.8 |
| Bedfast | 5.5 | 5.1 | 5.6 | 6.7 | 4.7 | 7.2 |
| Eating: | | | | | | |
| Independent ¹ | 65.7 | 69.6 | 64.5 | 58.6 | 65.2 | 56.6 |
| Help of another person required ³ | 34.3 | 30.4 | 35.5 | 41.4 | 34.8 | 43.4 |
| Vision: | | | | | | |
| Not impaired | 66.0 | 68.1 | 65.4 | 71.3 | 72.8 | 70.9 |
| Partially impaired | 22.0 | 21.9 | 22.0 | 18.6 | 18.2 | 18.7 |
| Severely impaired | 8.6 | 6.7 | 9.2 | 7.1 | 6.0 | 7.4 |
| No vision | 3.4 | 3.4 | 3.4 | 3.0 | 3.0 | 3.0 |

Table 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Functional status and age | 1977 | | | 1985 | | |
|--|------------|--------|---------|------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 75 years and over—Con. | | | | | | |
| Percent | | | | | | |
| Hearing: | | | | | | |
| Not impaired | 66.0 | 60.8 | 67.5 | 72.8 | 70.0 | 73.6 |
| Partially impaired | 27.5 | 31.2 | 26.4 | 21.8 | 24.1 | 21.1 |
| Severely impaired | 5.9 | 7.1 | 5.5 | 4.6 | 5.1 | 4.5 |
| No hearing | 0.7 | *0.9 | *0.6 | 0.7 | *0.8 | *0.7 |
| 85 years and over | | | | | | |
| Number | | | | | | |
| All residents | 449,900 | 91,700 | 358,200 | 596,900 | 112,200 | 484,700 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 8.5 | 9.7 | 8.2 | 5.5 | 7.7 | 5.0 |
| Help of another person required | 91.5 | 90.3 | 91.8 | 94.5 | 92.3 | 95.0 |
| Dressing: | | | | | | |
| Independent ¹ | 24.3 | 30.7 | 22.6 | 18.1 | 22.1 | 17.1 |
| Help of another person required ² | 75.7 | 69.3 | 77.4 | 81.9 | 77.9 | 82.9 |
| Using toilet room: | | | | | | |
| Independent ¹ | 42.3 | 50.6 | 40.1 | 32.1 | 38.1 | 30.7 |
| Help of another person required | 46.6 | 39.9 | 48.3 | 55.7 | 50.2 | 57.0 |
| Does not use | 11.1 | 9.5 | 11.6 | 12.2 | 11.7 | 12.3 |
| Mobility: | | | | | | |
| Walks independently ¹ | 36.8 | 49.5 | 33.5 | 29.3 | 33.9 | 28.2 |
| Walks with help of another person | 21.3 | 17.8 | 22.1 | 17.6 | 17.8 | 17.5 |
| Chairfast | 35.9 | 27.1 | 38.1 | 46.1 | 44.0 | 46.6 |
| Bedfast | 6.1 | 5.6 | 6.2 | 7.0 | *4.3 | 7.6 |
| Eating: | | | | | | |
| Independent ¹ | 64.3 | 69.2 | 63.0 | 56.4 | 61.5 | 55.2 |
| Help of another person required ³ | 35.7 | 30.8 | 37.0 | 43.6 | 38.5 | 44.8 |
| Vision: | | | | | | |
| Not impaired | 60.7 | 61.5 | 60.5 | 65.7 | 70.0 | 64.7 |
| Partially impaired | 24.2 | 24.0 | 24.3 | 21.3 | 18.5 | 22.0 |
| Severely impaired | 11.0 | 10.1 | 11.3 | 9.4 | 7.4 | 9.8 |
| No vision | 4.0 | *4.4 | 3.9 | 3.6 | *4.1 | 3.5 |
| Hearing: | | | | | | |
| Not impaired | 57.0 | 48.9 | 59.1 | 64.6 | 60.8 | 65.6 |
| Partially impaired | 33.5 | 39.6 | 32.0 | 27.2 | 28.9 | 26.8 |
| Severely impaired | 8.7 | 10.6 | 8.2 | 7.3 | 9.3 | 6.8 |
| No hearing | *0.8 | *0.9 | *0.7 | *0.9 | *1.0 | *0.8 |
| 90 years and over | | | | | | |
| Number | | | | | | |
| All residents | 186,300 | 37,900 | 148,300 | 301,400 | 56,700 | 244,700 |
| Percent | | | | | | |
| Bathing: | | | | | | |
| Independent ¹ | 7.5 | *9.7 | 6.9 | 4.1 | *5.5 | 3.7 |
| Help of another person required | 92.5 | 90.3 | 93.1 | 95.9 | 94.5 | 96.3 |
| Dressing: | | | | | | |
| Independent ¹ | 22.9 | 33.5 | 20.2 | 16.6 | 19.6 | 15.9 |
| Help of another person required ² | 77.1 | 66.5 | 79.8 | 83.4 | 80.4 | 84.1 |

Table 2. Number and percent of nursing home residents, by sex, age, and individual measures of functional status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Functional status and age | 1977 | | | 1985 | | |
|--|------------|-------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 90 years and over—Con. | Percent | | | | | |
| Using toilet room: | | | | | | |
| Independent ¹ | 39.2 | 52.7 | 35.7 | 29.8 | 37.4 | 28.1 |
| Help of another person required | 49.0 | 38.0 | 51.8 | 57.1 | 50.4 | 58.7 |
| Does not use | 11.8 | *9.4 | 12.4 | 13.0 | 12.2 | 13.2 |
| Mobility: | | | | | | |
| Walks independently ¹ | 33.4 | 48.7 | 29.5 | 26.6 | 32.0 | 25.4 |
| Walks with help of another person | 21.0 | 19.5 | 21.4 | 18.0 | 20.2 | 17.5 |
| Chairfast | 38.8 | 26.2 | 42.0 | 47.8 | 41.5 | 49.3 |
| Bedfast | 6.8 | *5.6 | 7.1 | 7.6 | *6.3 | 7.9 |
| Eating: | | | | | | |
| Independent ¹ | 61.8 | 72.5 | 59.0 | 54.5 | 59.2 | 53.4 |
| Help of another person required ³ | 38.2 | 27.5 | 41.0 | 45.5 | 40.8 | 46.6 |
| Vision: | | | | | | |
| Not impaired | 56.9 | 59.3 | 56.3 | 60.2 | 62.8 | 59.6 |
| Partially impaired | 24.6 | 21.4 | 25.4 | 23.4 | 21.9 | 23.7 |
| Severely impaired | 12.5 | *12.7 | 12.4 | 11.8 | *9.7 | 12.3 |
| No vision | 6.1 | *6.6 | 5.9 | 4.7 | *5.7 | 4.4 |
| Hearing: | | | | | | |
| Not impaired | 50.2 | 44.9 | 51.6 | 57.2 | 52.9 | 58.2 |
| Partially impaired | 37.1 | 41.1 | 36.1 | 31.5 | 31.5 | 31.5 |
| Severely impaired | 12.2 | *13.1 | 11.9 | 10.5 | 14.6 | 9.5 |
| No hearing | *0.5 | *0.9 | *0.3 | *0.8 | *1.0 | *0.7 |

¹Includes those who do activity with the aid of an assistive device.

²Includes those who do not dress.

³Includes those who are tube or intravenously fed.

NOTE: All functional measures exclude those for whom information is unknown.

SOURCE: National Center for Health Statistics: Data from the National Nursing Home Survey 1977, 1985.

Table 3. Number and percent of nursing home residents, by sex, age, and measures of dependency in activities of daily living: United States, 1977, 1985

[Data are based on a sample of resident records from a sample of nursing homes]

| Age and measures of dependency ¹ | 1977 | | | 1985 | | |
|---|------------|---------|---------|------------|---------|-----------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| All ages | | | | | | |
| All residents | 1,303,100 | 375,300 | 927,800 | 1,489,500 | 423,100 | 1,066,400 |
| Index of dependency in activities of daily living | | | | | | |
| Percent | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 11.3 | 16.4 | 9.3 | 9.6 | 16.3 | 7.0 |
| Dependent in only 1 activity | 14.5 | 16.8 | 13.6 | 10.8 | 11.4 | 10.6 |
| Dependent in bathing and 1 additional activity | 12.8 | 13.4 | 12.6 | 10.3 | 10.1 | 10.4 |
| Dependent in bathing, dressing, and 1 additional activity | 7.5 | 7.2 | 7.7 | 6.6 | 7.7 | 6.2 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 9.6 | 8.0 | 10.3 | 10.8 | 9.2 | 11.5 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 14.6 | 12.6 | 15.4 | 16.0 | 14.7 | 16.6 |
| Dependent in all 6 activities | 22.6 | 18.4 | 24.4 | 29.4 | 23.8 | 31.6 |
| Other ³ | 6.9 | 7.2 | 6.8 | 6.4 | 6.7 | 6.2 |
| Number of dependencies in activities of daily living ¹ : | | | | | | |
| None | 11.3 | 16.4 | 9.3 | 9.6 | 16.3 | 7.0 |
| 1 | 14.5 | 16.8 | 13.6 | 10.8 | 11.4 | 10.6 |
| 2 | 13.4 | 13.8 | 13.3 | 10.6 | 10.4 | 10.6 |
| 3 | 9.1 | 8.7 | 9.3 | 7.7 | 8.9 | 7.2 |
| 4 | 12.5 | 11.2 | 13.0 | 13.5 | 12.4 | 14.0 |
| 5 | 16.5 | 14.7 | 17.2 | 18.4 | 16.6 | 19.1 |
| 6 | 22.6 | 18.4 | 24.4 | 29.4 | 23.8 | 31.6 |
| 2-6 | 74.1 | 66.8 | 77.2 | 79.6 | 72.1 | 82.5 |
| 55-64 years | | | | | | |
| All residents | 100,800 | 43,100 | 57,700 | 91,800 | 44,100 | 47,800 |
| Index of dependency in activities of daily living | | | | | | |
| Percent | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 25.1 | 24.6 | 25.5 | 27.1 | 30.1 | 24.1 |
| Dependent in only 1 activity | 19.5 | 23.6 | 16.6 | 8.3 | *6.2 | *10.5 |
| Dependent in bathing and 1 additional activity | 11.6 | *11.0 | 11.9 | 14.4 | 17.6 | *11.2 |
| Dependent in bathing, dressing, and 1 additional activity | 6.4 | *7.0 | *6.0 | *6.0 | *6.8 | *5.2 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 7.4 | *5.5 | *8.9 | 11.6 | *10.9 | *12.2 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 12.8 | *11.2 | 13.9 | 12.3 | *8.5 | 16.1 |
| Dependent in all 6 activities | 13.7 | *13.7 | 13.8 | 15.5 | *15.7 | *15.2 |
| Other ³ | *3.4 | *3.4 | *3.4 | *4.8 | *4.2 | *5.4 |
| Number of dependencies in activities of daily living ¹ : | | | | | | |
| None | 25.1 | 24.6 | 25.5 | 27.1 | 30.1 | 24.1 |
| 1 | 19.5 | 23.6 | 16.6 | 8.3 | *6.2 | *10.5 |
| 2 | 11.6 | *11.0 | 11.9 | 14.4 | 17.6 | *11.2 |
| 3 | 7.6 | *7.9 | *7.4 | *7.0 | *8.2 | *5.8 |
| 4 | 9.0 | *7.5 | *10.0 | 14.1 | *12.7 | *15.6 |
| 5 | 13.4 | *11.7 | 14.7 | 13.5 | *9.5 | 17.5 |
| 6 | 13.7 | *13.7 | 13.8 | 15.5 | *15.7 | *15.2 |
| 2-6 | 55.3 | 0.0 | 40.4 | 57.5 | 17.6 | 17.5 |

Table 3. Number and percent of nursing home residents, by sex, age, and measures of dependency in activities of daily living: United States, 1977, 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Age and measures of dependency ¹ | 1977 | | | 1985 | | |
|---|------------|---------|---------|------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 65-74 years | | | | | | |
| All residents | 211,400 | 80,200 | 131,200 | 212,100 | 80,600 | 131,500 |
| Index of dependency in activities of daily living | | | | | | |
| Number | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 16.4 | 20.5 | 13.8 | 13.3 | 22.0 | 8.0 |
| Dependent in only 1 activity | 17.6 | 18.0 | 17.3 | 13.3 | 14.0 | 12.9 |
| Dependent in bathing and 1 additional activity | 13.5 | 11.5 | 14.8 | 12.1 | 9.5 | 13.7 |
| Dependent in bathing, dressing, and 1 additional activity | 6.3 | *5.0 | 7.2 | 5.7 | *5.7 | 5.6 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 9.6 | 8.1 | 10.7 | 12.8 | 10.8 | 14.0 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 14.3 | 13.3 | 14.9 | 12.9 | 11.1 | 14.0 |
| Dependent in all 6 activities | 16.3 | 17.1 | 15.7 | 25.5 | 23.4 | 26.7 |
| Other ³ | 6.0 | *6.5 | 5.6 | 4.5 | *3.4 | 5.1 |
| Percent | | | | | | |
| Number of dependencies in activities of daily living ¹ : | | | | | | |
| None | 16.4 | 20.5 | 13.8 | 13.3 | 22.0 | 8.0 |
| 1 | 17.6 | 18.0 | 17.3 | 13.3 | 14.0 | 12.9 |
| 2 | 14.2 | 12.8 | 15.1 | 12.4 | 9.8 | 13.9 |
| 3 | 7.7 | *7.0 | 8.1 | 6.3 | *6.1 | 6.5 |
| 4 | 11.4 | 10.0 | 12.4 | 14.5 | 13.2 | 15.3 |
| 5 | 16.4 | 14.5 | 17.6 | 14.7 | 11.5 | 16.6 |
| 6 | 16.3 | 17.1 | 15.7 | 25.5 | 23.4 | 26.7 |
| 2-6 | 66.0 | 54.4 | 68.9 | 73.4 | 57.9 | 79.0 |
| 75-84 years | | | | | | |
| All residents | 464,700 | 122,100 | 342,600 | 507,800 | 141,200 | 366,700 |
| Index of dependency in activities of daily living | | | | | | |
| Number | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 9.5 | 12.7 | 8.3 | 8.0 | 10.1 | 7.2 |
| Dependent in only 1 activity | 14.1 | 14.7 | 13.9 | 11.6 | 13.2 | 11.0 |
| Dependent in bathing and 1 additional activity | 13.4 | 14.3 | 13.1 | 9.6 | 9.7 | 9.6 |
| Dependent in bathing, dressing, and 1 additional activity .. | 8.6 | 9.8 | 8.2 | 7.5 | 9.4 | 6.8 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 10.5 | 9.2 | 11.0 | 9.6 | 7.4 | 10.5 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 14.1 | 11.4 | 15.1 | 16.5 | 17.9 | 15.9 |
| Dependent in all 6 activities | 22.8 | 19.4 | 24.0 | 29.8 | 25.0 | 31.7 |
| Other ³ | 7.0 | 8.5 | 6.5 | 7.3 | 7.3 | 7.3 |
| Percent | | | | | | |
| Number of dependencies in activities of daily living ¹ : | | | | | | |
| None | 9.5 | 12.7 | 8.3 | 8.0 | 10.1 | 7.2 |
| 1 | 14.1 | 14.7 | 13.9 | 11.6 | 13.2 | 11.0 |
| 2 | 14.0 | 14.5 | 13.8 | 9.8 | 9.7 | 9.8 |
| 3 | 10.1 | 11.3 | 9.6 | 8.8 | 10.8 | 8.0 |
| 4 | 13.4 | 12.8 | 13.6 | 12.5 | 10.7 | 13.2 |
| 5 | 16.3 | 14.6 | 16.9 | 19.5 | 20.5 | 19.1 |
| 6 | 22.8 | 19.4 | 24.0 | 29.8 | 25.0 | 31.7 |
| 2-6 | 76.6 | 72.6 | 77.9 | 80.4 | 76.7 | 81.8 |

Table 3. Number and percent of nursing home residents, by sex, age, and measures of dependency in activities of daily living: United States, 1977, 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Age and measures of dependency ¹ | 1977 | | | 1985 | | |
|---|------------|---------|---------|------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over | | | | | | |
| All residents | 1,126,000 | 294,000 | 832,000 | 1,316,800 | 333,900 | 982,800 |
| Index of dependency in activities of daily living | | | | | | |
| Number | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 9.1 | 13.2 | 7.7 | 7.4 | 12.0 | 5.8 |
| Dependent in only 1 activity | 14.2 | 16.3 | 13.5 | 10.7 | 11.9 | 10.3 |
| Dependent in bathing and 1 additional activity | 12.8 | 13.5 | 12.5 | 10.0 | 9.6 | 10.2 |
| Dependent in bathing, dressing, and 1 additional activity .. | 7.8 | 7.5 | 7.8 | 6.8 | 8.1 | 6.4 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 10.0 | 8.7 | 10.5 | 11.0 | 9.1 | 11.6 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 15.0 | 12.9 | 15.7 | 16.7 | 16.1 | 16.9 |
| Dependent in all 6 activities | 23.8 | 19.4 | 25.3 | 31.0 | 26.0 | 32.6 |
| Other ³ | 7.3 | 8.4 | 6.9 | 6.5 | 7.0 | 6.3 |
| Percent | | | | | | |
| Number | | | | | | |
| None | 9.1 | 13.2 | 7.7 | 7.4 | 12.0 | 5.8 |
| 1 | 14.2 | 16.3 | 13.5 | 10.7 | 11.9 | 10.3 |
| 2 | 13.4 | 14.0 | 13.2 | 10.3 | 9.8 | 10.4 |
| 3 | 9.4 | 9.3 | 9.5 | 8.0 | 9.6 | 7.4 |
| 4 | 13.1 | 12.4 | 13.3 | 13.7 | 12.6 | 14.1 |
| 5 | 16.9 | 15.4 | 17.5 | 19.0 | 18.1 | 19.4 |
| 6 | 23.8 | 19.4 | 25.3 | 31.0 | 26.0 | 32.6 |
| 2-6 | 76.6 | 70.5 | 78.8 | 82.0 | 76.1 | 83.9 |
| Percent | | | | | | |
| Number | | | | | | |
| All residents | 914,600 | 213,800 | 700,800 | 1,104,700 | 253,400 | 851,300 |
| Index of dependency in activities of daily living | | | | | | |
| Percent | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 7.5 | 10.4 | 6.7 | 6.2 | 9.1 | 5.4 |
| Dependent in only 1 activity | 13.3 | 15.5 | 12.7 | 10.1 | 11.2 | 9.8 |
| Dependent in bathing and 1 additional activity | 12.8 | 14.4 | 12.3 | 9.8 | 9.8 | 9.8 |
| Dependent in bathing, dressing, and 1 additional activity .. | 8.2 | 8.5 | 8.1 | 7.0 | 8.6 | 6.5 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 10.1 | 9.0 | 10.4 | 10.5 | 8.3 | 11.2 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 15.1 | 12.8 | 15.8 | 17.5 | 18.2 | 17.4 |
| Dependent in all 6 activities | 25.4 | 20.4 | 26.9 | 32.0 | 26.8 | 33.6 |
| Other ³ | 7.6 | 9.0 | 7.2 | 6.8 | 8.0 | 6.5 |
| Number | | | | | | |
| None | 7.5 | 10.4 | 6.7 | 6.2 | 9.1 | 5.4 |
| 1 | 13.3 | 15.5 | 12.7 | 10.1 | 11.2 | 9.8 |
| 2 | 13.4 | 14.6 | 13.0 | 10.0 | 10.0 | 10.0 |
| 3 | 10.0 | 10.2 | 9.9 | 8.2 | 10.4 | 7.5 |
| 4 | 13.5 | 13.3 | 13.5 | 13.4 | 12.1 | 13.8 |
| 5 | 16.9 | 15.7 | 17.3 | 20.0 | 20.5 | 19.9 |
| 6 | 25.4 | 20.4 | 26.9 | 32.0 | 26.8 | 33.6 |
| 2-6 | 79.2 | 74.2 | 80.6 | 83.6 | 79.8 | 84.8 |

Table 3. Number and percent of nursing home residents, by sex, age, and measures of dependency in activities of daily living: United States, 1977, 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Age and measures of dependency ¹ | 1977 | | | 1985 | | |
|---|------------|--------|---------|------------|---------|---------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 85 years and over | | | | | | |
| All residents | 449,900 | 91,700 | 358,200 | 596,900 | 112,200 | 484,700 |
| Index of dependency in activities of daily living | | | | | | |
| Number | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 6.0 | 7.6 | 5.5 | 4.4 | 7.0 | 3.8 |
| Dependent in only 1 activity | 12.6 | 15.8 | 11.8 | 8.9 | 9.3 | 8.8 |
| Dependent in bathing and 1 additional activity | 12.3 | 15.7 | 11.4 | 9.8 | 10.5 | 9.6 |
| Dependent in bathing, dressing, and 1 additional activity | 7.9 | 7.7 | 7.9 | 6.6 | 7.7 | 6.3 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 9.8 | 8.7 | 10.1 | 11.2 | 9.5 | 11.6 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 16.3 | 14.8 | 16.7 | 18.4 | 18.2 | 18.4 |
| Dependent in all 6 activities | 27.3 | 20.7 | 29.0 | 34.4 | 29.5 | 35.6 |
| Other ³ | 7.9 | 9.1 | 7.6 | 6.3 | 8.3 | 5.8 |
| Percent | | | | | | |
| Number of dependencies in activities of daily living ¹ : | | | | | | |
| None | 6.0 | 7.6 | 5.5 | 4.4 | 7.0 | 3.8 |
| 1 | 12.6 | 15.8 | 11.8 | 8.9 | 9.3 | 8.8 |
| 2 | 12.9 | 15.9 | 12.2 | 10.1 | 10.8 | 9.9 |
| 3 | 9.9 | 9.9 | 9.9 | 7.8 | 9.9 | 7.3 |
| 4 | 13.6 | 12.9 | 13.8 | 14.1 | 13.4 | 14.2 |
| 5 | 17.7 | 17.3 | 17.8 | 20.3 | 20.1 | 20.3 |
| 6 | 27.3 | 20.7 | 29.0 | 34.4 | 29.5 | 35.6 |
| 2-6 | 81.4 | 76.7 | 82.7 | 86.7 | 83.7 | 87.3 |
| 90 years and over | | | | | | |
| All residents | 186,300 | 37,900 | 148,300 | 301,400 | 56,700 | 244,700 |
| Index of dependency in activities of daily living | | | | | | |
| Number | | | | | | |
| Not dependent in bathing, dressing, using toilet room, mobility, continence, or eating ² | 5.0 | *7.7 | 4.2 | 3.3 | *4.6 | 3.0 |
| Dependent in only 1 activity | 12.2 | 18.6 | 10.6 | 8.0 | *7.8 | 8.0 |
| Dependent in bathing and 1 additional activity | 10.6 | 15.2 | 9.4 | 8.9 | 12.9 | 8.0 |
| Dependent in bathing, dressing, and 1 additional activity | 7.6 | *6.9 | 7.8 | 6.6 | *7.2 | 6.5 |
| Dependent in bathing, dressing, using toilet room, and 1 additional activity | 10.9 | *10.0 | 11.2 | 10.9 | *9.6 | 11.1 |
| Dependent in bathing, dressing, using toilet room, mobility, and 1 additional activity | 16.9 | 15.6 | 17.2 | 20.1 | 17.4 | 20.7 |
| Dependent in all 6 activities | 29.2 | 17.9 | 32.2 | 35.5 | 31.0 | 36.6 |
| Other ³ | 7.6 | *8.3 | 7.4 | 6.8 | *9.6 | 6.1 |
| Percent | | | | | | |
| Number of dependencies in activities of daily living ¹ : | | | | | | |
| None | 5.0 | *7.7 | 4.2 | 3.3 | *4.6 | 3.0 |
| 1 | 12.2 | 18.6 | 10.6 | 8.0 | *7.8 | 8.0 |
| 2 | 11.4 | 15.6 | 10.4 | 9.2 | 13.4 | 8.2 |
| 3 | 9.7 | *9.5 | 9.8 | 8.3 | *10.7 | 7.7 |
| 4 | 14.6 | 14.3 | 14.6 | 14.0 | 14.1 | 14.0 |
| 5 | 17.9 | 16.5 | 18.3 | 21.8 | 18.4 | 22.5 |
| 6 | 29.2 | 17.9 | 32.2 | 35.5 | 31.0 | 36.6 |
| 2-6 | 82.8 | 64.3 | 85.3 | 88.8 | 76.9 | 89.0 |

¹Dependent is defined as requiring help of another person. Excludes those for whom information is unknown.

²Includes those who do activity with the aid of an assistive device.

³Includes residents who were dependent in at least two functions but not classifiable into any of the categories.

SOURCE: National Center for Health Statistics: Data from the National Nursing Home Survey 1977, 1985.

Table 4. Number of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985

[Data are based on a sample of resident records from a sample of nursing homes]

| Age and continence status | 1977 | | | 1985 | | |
|--|------------|---------|---------|------------|---------|-----------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| All residents | | | | | | |
| All statuses | 1,303,100 | 375,300 | 927,800 | 1,489,500 | 423,100 | 1,066,400 |
| No difficulty controlling bowels or bladder ¹ | 713,300 | 219,600 | 493,800 | 717,200 | 224,700 | 492,500 |
| Difficulty controlling bowels only | 48,500 | 13,400 | 35,100 | 28,500 | 9,200 | 19,300 |
| Daily occurrence | 13,000 | *4,600 | 8,400 | *4,500 | *2,000 | *2,500 |
| Difficulty controlling bladder only | 117,400 | 31,300 | 86,100 | 152,000 | 38,800 | 113,200 |
| Daily occurrence | 61,900 | 15,900 | 46,000 | 89,900 | 22,600 | 67,300 |
| Difficulty controlling bowels and bladder | 337,000 | 83,500 | 253,500 | 472,000 | 116,300 | 355,700 |
| Daily occurrence | 191,400 | 43,300 | 148,000 | 326,300 | 80,800 | 245,500 |
| Ostomy | 86,800 | 27,600 | 59,200 | 119,700 | 34,000 | 85,700 |
| 55-64 years | | | | | | |
| All statuses | 100,800 | 43,100 | 57,700 | 91,800 | 44,100 | 47,800 |
| No difficulty controlling bowels or bladder ¹ | 68,700 | 29,700 | 39,000 | 61,300 | 30,600 | 30,700 |
| Difficulty controlling bowels only | *3,200 | *1,500 | *1,600 | *1,300 | *1,300 | - |
| Daily occurrence | *800 | *600 | *200 | - | - | - |
| Difficulty controlling bladder only | 6,100 | *1,900 | *4,200 | 8,100 | *2,400 | *5,700 |
| Daily occurrence | *2,700 | *1,300 | *1,500 | *3,000 | *500 | *2,500 |
| Difficulty controlling bowels and bladder | 16,900 | 7,800 | 9,100 | 14,200 | 8,300 | 6,000 |
| Daily occurrence | 10,400 | *4,000 | 6,400 | 9,300 | *4,700 | *4,600 |
| Ostomy | 5,900 | *2,100 | *3,800 | 6,900 | *1,600 | *5,300 |
| 65-74 years | | | | | | |
| All statuses | 211,400 | 80,200 | 131,200 | 212,100 | 80,600 | 131,500 |
| No difficulty controlling bowels or bladder ¹ | 131,900 | 49,200 | 82,700 | 121,400 | 49,600 | 71,800 |
| Difficulty controlling bowels only | 7,800 | *2,800 | *5,000 | *3,800 | *1,800 | *2,000 |
| Daily occurrence | *3,100 | *1,400 | *1,700 | *700 | *200 | *500 |
| Difficulty controlling bladder only | 13,700 | 5,800 | 7,900 | 14,300 | *5,100 | 9,200 |
| Daily occurrence | 7,200 | *2,700 | *4,400 | 7,800 | *2,800 | *5,000 |
| Difficulty controlling bowels and bladder | 43,600 | 17,000 | 26,600 | 58,400 | 19,400 | 39,000 |
| Daily occurrence | 22,900 | 9,000 | 13,900 | 42,400 | 13,700 | 28,600 |
| Ostomy | 14,400 | 5,400 | 9,000 | 14,100 | *4,600 | 9,500 |

Table 4. Number of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| <i>Age and continence status</i> | 1977 | | | 1985 | | |
|--|-------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| 75–84 years | | | | | | |
| All statuses | 464,700 | 122,100 | 342,600 | 507,800 | 141,200 | 366,700 |
| No difficulty controlling bowels or bladder ¹ | 245,700 | 66,400 | 179,300 | 228,400 | 65,100 | 163,400 |
| Difficulty controlling bowels only | 18,400 | *4,300 | 14,000 | 8,900 | *3,000 | *5,900 |
| Daily occurrence | *4,000 | *1,100 | *3,000 | *1,300 | *800 | *600 |
| Difficulty controlling bladder only | 43,500 | 13,000 | 30,500 | 55,800 | 15,500 | 40,400 |
| Daily occurrence | 22,700 | 6,500 | 16,300 | 32,900 | 9,300 | 23,500 |
| Difficulty controlling bowels and bladder | 125,000 | 27,200 | 97,800 | 170,600 | 44,100 | 126,500 |
| Daily occurrence | 68,800 | 13,500 | 55,300 | 117,300 | 30,100 | 87,200 |
| Ostomy | 32,100 | 11,100 | 21,000 | 44,100 | 13,600 | 30,500 |
| 65 years and over | | | | | | |
| All statuses | 1,126,000 | 294,000 | 832,000 | 1,316,800 | 333,900 | 982,800 |
| No difficulty controlling bowels or bladder ¹ | 592,800 | 163,000 | 429,800 | 600,100 | 161,500 | 438,700 |
| Difficulty controlling bowels only | 43,300 | 10,800 | 32,500 | 25,800 | 6,800 | 19,000 |
| Daily occurrence | 12,000 | *3,800 | 8,100 | *4,000 | *1,500 | *2,500 |
| Difficulty controlling bladder only | 107,100 | 28,000 | 79,100 | 141,200 | 35,600 | 105,600 |
| Daily occurrence | 56,800 | 13,800 | 43,000 | 85,900 | 21,600 | 64,300 |
| Difficulty controlling bowels and bladder | 307,200 | 68,900 | 238,300 | 443,000 | 101,600 | 341,300 |
| Daily occurrence | 171,500 | 34,300 | 137,300 | 306,600 | 72,500 | 234,100 |
| Ostomy | 75,600 | 23,300 | 52,300 | 106,700 | 28,500 | 78,200 |
| 75 years and over | | | | | | |
| All statuses | 914,600 | 213,800 | 700,800 | 1,104,700 | 253,400 | 851,300 |
| No difficulty controlling bowels or bladder ¹ | 460,900 | 113,800 | 347,100 | 478,800 | 111,900 | 366,900 |
| Difficulty controlling bowels only | 35,500 | 8,000 | 27,500 | 22,000 | *5,000 | 17,000 |
| Daily occurrence | 8,800 | *2,400 | 6,400 | *3,300 | *1,300 | *2,000 |
| Difficulty controlling bladder only | 93,400 | 22,100 | 71,300 | 126,800 | 30,500 | 96,400 |
| Daily occurrence | 49,600 | 11,100 | 38,600 | 78,100 | 18,800 | 59,300 |
| Difficulty controlling bowels and bladder | 263,600 | 51,900 | 211,700 | 384,500 | 82,200 | 302,300 |
| Daily occurrence | 148,600 | 25,200 | 123,400 | 264,200 | 58,700 | 205,500 |
| Ostomy | 61,200 | 17,900 | 43,300 | 92,600 | 23,900 | 68,800 |

Table 4. Number of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| <i>Age and continence status</i> | <i>1977</i> | | | <i>1985</i> | | |
|--|-------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| 85 years and over | | | | | | |
| All statuses | 449,900 | 91,700 | 358,200 | 596,900 | 112,200 | 484,700 |
| No difficulty controlling bowels or bladder ¹ | 215,200 | 47,400 | 167,800 | 250,300 | 46,800 | 203,500 |
| Difficulty controlling bowels only | 17,100 | *3,700 | 13,400 | 13,100 | *2,000 | 11,200 |
| Daily occurrence | *4,800 | *1,300 | *3,500 | *1,900 | *500 | *1,400 |
| Difficulty controlling bladder only | 49,900 | 9,100 | 40,800 | 71,000 | 15,000 | 56,000 |
| Daily occurrence | 26,900 | *4,600 | 22,300 | 45,200 | 9,400 | 35,800 |
| Difficulty controlling bowels and bladder | 138,600 | 24,700 | 113,900 | 213,900 | 38,100 | 175,800 |
| Daily occurrence | 79,800 | 11,700 | 68,100 | 146,900 | 28,600 | 118,300 |
| Ostomy | 29,100 | 6,800 | 22,300 | 48,500 | 10,300 | 38,200 |
| 90 years and over | | | | | | |
| All statuses | 186,300 | 37,900 | 148,300 | 301,400 | 56,700 | 244,700 |
| No difficulty controlling bowels or bladder ¹ | 86,300 | 21,700 | 64,700 | 122,200 | 23,700 | 98,500 |
| Difficulty controlling bowels only | 7,500 | *1,100 | 6,400 | 6,000 | *400 | *5,600 |
| Daily occurrence | *1,300 | — | *1,300 | *300 | — | *300 |
| Difficulty controlling bladder only | 20,100 | *3,600 | 16,500 | 37,300 | 7,300 | 30,000 |
| Daily occurrence | 11,900 | *1,700 | 10,200 | 24,100 | *4,100 | 20,000 |
| Difficulty controlling bowels and bladder | 63,200 | 9,500 | 53,700 | 109,400 | 18,300 | 91,100 |
| Daily occurrence | 35,100 | *4,100 | 31,000 | 76,000 | 12,700 | 63,300 |
| Ostomy | 9,100 | *2,000 | 7,000 | 26,500 | 7,000 | 19,500 |

¹Includes those for whom information on continence is unknown.

SOURCE: National Center for Health Statistics: Data from the National Nursing Home Survey 1977, 1985.

Table 5. Percent of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985

[Data are based on a sample of resident records from a sample of nursing homes]

| <i>Age and continence status</i> | <i>1977</i> | | | <i>1985</i> | | |
|--|-----------------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| All residents | Percent of residents | | | | | |
| No difficulty controlling bowels or bladder ¹ | 54.7 | 58.5 | 53.2 | 48.2 | 53.1 | 46.2 |
| Difficulty controlling bowels only | 3.7 | 3.6 | 3.8 | 1.9 | 2.2 | 1.8 |
| Daily occurrence | 1.0 | *1.2 | 0.9 | *0.3 | *0.5 | *0.2 |
| Difficulty controlling bladder only | 9.0 | 8.3 | 9.3 | 10.2 | 9.2 | 10.6 |
| Daily occurrence | 4.8 | 4.2 | 5.0 | 6.0 | 5.3 | 6.3 |
| Difficulty controlling bowels and bladder | 25.9 | 22.2 | 27.3 | 31.7 | 27.5 | 33.4 |
| Daily occurrence | 14.7 | 11.5 | 16.0 | 21.9 | 19.1 | 23.0 |
| Ostomy | 6.7 | 7.4 | 6.4 | 8.0 | 8.0 | 8.0 |
| 55-64 years | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 68.2 | 68.9 | 67.6 | 66.8 | 69.4 | 64.2 |
| Difficulty controlling bowels only | *3.2 | *3.5 | *2.8 | *1.4 | *2.9 | — |
| Daily occurrence | *0.8 | *1.4 | *0.3 | — | — | — |
| Difficulty controlling bladder only | 6.1 | *4.4 | *4.3 | 8.8 | *5.4 | *11.9 |
| Daily occurrence | *2.7 | *3.0 | *2.6 | *3.3 | *1.1 | *5.2 |
| Difficulty controlling bowels and bladder | 16.8 | 18.1 | 15.8 | 15.5 | 18.8 | 12.6 |
| Daily occurrence | 10.3 | *9.3 | 11.1 | 10.1 | *10.7 | *9.6 |
| Ostomy | 5.9 | *4.9 | *6.6 | 7.5 | *3.6 | *11.1 |
| 65-74 years | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 62.4 | 61.3 | 63.0 | 57.2 | 61.5 | 54.6 |
| Difficulty controlling bowels only | 3.7 | *3.5 | *3.8 | *1.8 | *2.2 | *1.5 |
| Daily occurrence | *1.5 | *1.7 | *1.3 | *0.3 | *0.2 | *0.4 |
| Difficulty controlling bladder only | 6.5 | 7.2 | 6.0 | 6.7 | *6.3 | 7.0 |
| Daily occurrence | 3.4 | *3.4 | *3.4 | 3.7 | *3.5 | *3.8 |
| Difficulty controlling bowels and bladder | 20.6 | 21.2 | 20.3 | 27.5 | 24.1 | 29.7 |
| Daily occurrence | 10.8 | 11.2 | 10.6 | 20.0 | 17.0 | 21.7 |
| Ostomy | 6.8 | 6.7 | 6.9 | 6.6 | *5.7 | 7.2 |
| 75-84 years | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 52.9 | 54.4 | 52.3 | 45.0 | 46.1 | 44.6 |
| Difficulty controlling bowels only | 4.0 | *3.5 | 4.1 | 1.8 | *2.1 | *1.6 |
| Daily occurrence | *0.9 | *0.9 | *0.9 | *0.3 | *0.6 | *0.2 |
| Difficulty controlling bladder only | 9.4 | 10.6 | 8.9 | 11.0 | 11.0 | 11.0 |
| Daily occurrence | 4.9 | 5.3 | 4.8 | 6.5 | 6.6 | 6.4 |
| Difficulty controlling bowels and bladder | 26.9 | 22.3 | 28.5 | 33.6 | 31.2 | 34.5 |
| Daily occurrence | 14.8 | 11.1 | 16.1 | 23.1 | 21.3 | 23.8 |
| Ostomy | 6.9 | 9.1 | 6.1 | 8.7 | 9.6 | 8.3 |

Table 5. Percent of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| Age and continence status | 1977 | | | 1985 | | |
|--|------------|------|--------|------------|------|--------|
| | Both sexes | Male | Female | Both sexes | Male | Female |
| 65 years and over | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 52.6 | 55.4 | 51.7 | 45.6 | 48.4 | 44.6 |
| Difficulty controlling bowels only | 3.8 | 3.7 | 3.9 | 2.0 | 2.0 | 1.9 |
| Daily occurrence | 1.1 | *1.3 | 1.0 | *0.3 | *0.4 | *0.3 |
| Difficulty controlling bladder only | 9.5 | 9.5 | 9.5 | 10.7 | 10.7 | 10.7 |
| Daily occurrence | 5.0 | 4.7 | 5.2 | 6.5 | 6.5 | 6.5 |
| Difficulty controlling bowels and bladder | 27.3 | 23.4 | 28.6 | 33.6 | 30.4 | 34.7 |
| Daily occurrence | 15.2 | 11.7 | 16.5 | 23.3 | 21.7 | 23.8 |
| Ostomy | 6.7 | 7.9 | 6.3 | 8.1 | 8.5 | 8.0 |
| 75 years and over | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 50.4 | 53.2 | 49.5 | 43.3 | 44.2 | 43.1 |
| Difficulty controlling bowels only | 3.9 | 3.8 | 3.9 | 2.0 | *2.0 | 2.0 |
| Daily occurrence | 1.0 | *1.1 | 0.9 | *0.3 | *0.5 | *0.2 |
| Difficulty controlling bladder only | 10.2 | 10.4 | 10.2 | 11.5 | 12.0 | 11.3 |
| Daily occurrence | 5.4 | 5.2 | 5.5 | 7.1 | 7.4 | 7.0 |
| Difficulty controlling bowels and bladder | 28.8 | 24.3 | 30.2 | 34.8 | 32.4 | 35.5 |
| Daily occurrence | 16.2 | 11.8 | 17.6 | 23.9 | 23.2 | 24.1 |
| Ostomy | 6.7 | 8.4 | 6.2 | 8.4 | 9.4 | 8.1 |
| 85 years and over | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 47.8 | 51.7 | 46.8 | 41.9 | 41.7 | 42.0 |
| Difficulty controlling bowels only | 3.8 | *4.0 | 3.7 | 2.2 | *1.8 | 2.3 |
| Daily occurrence | *1.1 | *1.4 | *1.0 | *0.3 | *0.4 | *0.3 |
| Difficulty controlling bladder only | 11.1 | 9.9 | 11.4 | 11.9 | 13.4 | 11.6 |
| Daily occurrence | 6.0 | *5.0 | 6.2 | 7.6 | 8.4 | 7.4 |
| Difficulty controlling bowels and bladder | 30.8 | 26.9 | 31.8 | 35.8 | 34.0 | 36.3 |
| Daily occurrence | 17.7 | 12.8 | 19.0 | 24.6 | 25.5 | 24.4 |
| Ostomy | 6.5 | 7.4 | 6.2 | 8.1 | 9.2 | 7.9 |

Table 5. Percent of nursing home residents, by sex, age, and continence status: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| <i>Age and continence status</i> | <i>1977</i> | | | <i>1985</i> | | |
|--|-------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| 90 years and over | | | | | | |
| No difficulty controlling bowels or bladder ¹ | 46.3 | 57.3 | 43.6 | 40.5 | 41.8 | 40.3 |
| Difficulty controlling bowels only | 4.0 | *2.9 | 4.3 | 2.0 | *0.7 | *2.3 |
| Daily occurrence | *0.7 | — | *0.9 | *0.1 | — | *0.1 |
| Difficulty controlling bladder only | 10.8 | *9.5 | 11.1 | 12.4 | 12.9 | 12.3 |
| Daily occurrence | 6.4 | *4.5 | 6.9 | 8.0 | *7.2 | 8.2 |
| Difficulty controlling bowels and bladder | 33.9 | 25.1 | 36.2 | 36.3 | 32.3 | 37.2 |
| Daily occurrence | 18.8 | *10.8 | 20.9 | 25.2 | 22.4 | 25.9 |
| Ostomy | 4.9 | *5.3 | 4.7 | 8.8 | 12.3 | 8.0 |

¹Includes those for whom information on continence is unknown.

SOURCE: National Center for Health Statistics: Data from the National Nursing Home Survey 1977, 1985.

Table 6. Number and percent of nursing home residents, by sex, age, depression, and selected behavioral problems: United States, 1977 and 1985

[Data are based on a sample of resident records from a sample of nursing homes]

| <i>Age, depression, and selected behavioral problems</i> | <i>1977</i> | | | <i>1985</i> | | |
|--|-------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| <i>All ages</i> | | | | | | |
| All residents | 1,303,100 | 375,300 | 927,800 | 1,489,500 | 423,100 | 1,066,400 |
| Depression | 35.3 | 34.1 | 35.8 | 23.6 | 22.1 | 24.2 |
| Abusive | 17.0 | 19.6 | 16.0 | 11.9 | 16.0 | 10.3 |
| Wandering | 11.4 | 11.5 | 11.4 | 14.3 | 15.2 | 13.9 |
| <i>55-64 years</i> | | | | | | |
| All residents | 100,800 | 43,100 | 57,700 | 91,800 | 44,100 | 47,800 |
| Depression | 47.8 | 43.5 | 51.1 | 30.4 | 29.1 | 31.5 |
| Abusive | 20.0 | 15.0 | 23.7 | 16.0 | 19.5 | 12.7 |
| Wandering | 9.0 | *7.8 | 10.0 | 12.1 | 15.1 | *9.4 |
| <i>65-74 years</i> | | | | | | |
| All residents | 211,400 | 80,200 | 131,200 | 212,100 | 80,600 | 131,500 |
| Depression | 41.2 | 35.8 | 44.5 | 29.5 | 24.5 | 32.5 |
| Abusive | 16.0 | 19.0 | 14.2 | 12.4 | 13.3 | 11.9 |
| Wandering | 10.9 | 10.8 | 10.9 | 12.6 | 12.7 | 12.6 |
| <i>75-84 years</i> | | | | | | |
| All residents | 464,700 | 122,100 | 342,600 | 507,800 | 141,200 | 366,700 |
| Depression | 34.0 | 31.7 | 34.8 | 25.0 | 20.6 | 26.7 |
| Abusive | 16.7 | 21.2 | 15.1 | 12.4 | 20.1 | 9.4 |
| Wandering | 13.2 | 12.3 | 13.6 | 16.2 | 17.3 | 15.8 |
| <i>65 years and over</i> | | | | | | |
| All residents | 1,126,000 | 294,000 | 832,000 | 1,316,800 | 333,900 | 982,800 |
| Depression | 33.5 | 31.1 | 34.3 | 23.2 | 21.4 | 23.8 |
| Abusive | 16.0 | 19.3 | 14.9 | 11.5 | 15.8 | 10.0 |
| Wandering | 11.6 | 11.8 | 11.5 | 14.8 | 16.0 | 14.3 |
| <i>75 years and over</i> | | | | | | |
| All residents | 914,600 | 213,800 | 700,800 | 1,104,700 | 253,400 | 851,300 |
| Depression | 31.7 | 29.4 | 32.4 | 22.0 | 20.4 | 22.4 |
| Abusive | 16.0 | 19.4 | 15.0 | 11.3 | 16.7 | 9.7 |
| Wandering | 11.8 | 12.2 | 11.6 | 15.2 | 17.1 | 14.6 |

Table 6. Number and percent of nursing home residents, by sex, age, depression, and selected behavioral problems: United States, 1977 and 1985—Con.

[Data are based on a sample of resident records from a sample of nursing homes]

| <i>Age, depression, and selected behavioral problems</i> | <i>1977</i> | | | <i>1985</i> | | |
|--|-------------------|-------------|---------------|-------------------|-------------|---------------|
| | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> | <i>Both sexes</i> | <i>Male</i> | <i>Female</i> |
| 85 years and over | | | | | | |
| All residents | 449,900 | 91,700 | 358,200 | 596,900 | 112,200 | 484,700 |
| Depression | 29.2 | 26.3 | 30.0 | 19.4 | 20.3 | 19.2 |
| Abusive | 15.3 | 17.0 | 14.9 | 10.4 | 12.3 | 9.9 |
| Wandering | 10.3 | 12.0 | 9.8 | 14.3 | 16.9 | 13.7 |
| 90 years and over | | | | | | |
| All residents | 186,300 | 37,900 | 148,300 | 301,400 | 56,700 | 244,700 |
| Depression | 26.2 | 23.7 | 26.9 | 16.6 | 14.3 | 17.1 |
| Abusive | 14.5 | 16.2 | 14.1 | 10.3 | 10.7 | 10.2 |
| Wandering | 8.4 | *9.0 | 8.2 | 12.3 | 15.2 | 11.7 |

NOTE: Percents may add to more than 100 because a person may have multiple problems.

SOURCE: National Center for Health Statistics: Data from the National Nursing Home Survey 1977, 1985.

Chapter 6

Trends in national health expenditures

Introduction

Since 1964, the U.S. Department of Health and Human Services has published an annual series of statistics presenting total national health expenditures for each year. These statistics, called the national health accounts (NHA), are a means for systematically describing the expenditures for health services and products purchased in the United States and the sources of payment for them (1). The NHA provide a comprehensive picture of health care spending and financing, consistently defined over time. The two-dimensional (source of funds and type of service) matrix design of the NHA provides internal cross-checks of aggregate expenditure estimates with their sources of funding. For a further discussion of the NHA, see Lazenby and others (2). The NHA recognize several types of expenditures, which are outlined in the definitions section of this chapter. Data on health expenditures are presented in tables 1–4.

Recently, the NHA have undergone revisions to reflect changes that have been occurring in the structure of the health care industry during the past decade (3). Among those changes are the shift of many services from inpatient settings to outpatient hospital and freestanding facilities, the rise in the number of outpatient clinics, and the dispensing of prescription drugs at sites other than community pharmacies.

Along with these structural changes, there have also been changes in the mechanisms used to finance

health care. Many of these changes were prompted by business in an effort to contain health care costs. To do this, employers have turned to the delivery of health care services through health maintenance organizations and preferred provider organizations; mandatory second opinions; required outpatient treatment for specific procedures; higher copayments and deductibles; and self-insurance. In addition, recent changes in law require employers who offer health insurance to insure those workers over 64 years of age, with these policies paying for health care before Medicare pays. For a more complete description of these changes, see Lazenby and others (2).

New data sources have emerged to supplement the traditional ones used to estimate national health expenditures. These include the conversion of the Bureau of Labor Statistics' Consumer Expenditure Survey from an intermittent survey to a quarterly one. This provides a continuous flow of information for out-of-pocket spending. The Bureau of the Census has enlarged the sample of its survey of service establishments. The American Hospital Association, American Medical Association, and the American Dental Association now conduct surveys that provide insights into the sources of revenue received by their members.

Definition of terms

Gross domestic product (GDP)—GDP is the market value of goods and services produced by labor and property located in the United States, the suppliers (that is, the workers and property owners)

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may be either United States residents or residents of the rest of the world.

Medicare—A nationwide health insurance program providing health insurance protection to people 65 years of age and over, people entitled to Social Security disability payments for 2 years or more, and people with end-stage renal disease, regardless of income. The program was enacted July 30, 1965, as Title XVIII of the Social Security Act, Health Insurance for the Aged, and became effective on July 1, 1966. It consists of two separate but coordinated programs: hospital insurance (Part A) and supplementary medical insurance (Part B).

National health expenditures—Estimates of the amount spent for all health services and supplies and health-related research and construction activities in the United States during the calendar year. Detailed estimates are available by source of expenditure (for example, out-of-pocket payments, private health insurance, and government programs) and by type of expenditure (for example, hospital care, physician services, and drugs). Data are compiled from a variety of sources. See appendix I for detailed information.

Health services and supplies expenditures—Outlays for goods and services relating directly to patient care plus expenses for administering health insurance programs and for government public health activities. This category is equivalent to total national health expenditures minus expenditures for research and construction.

Nursing home expenditures—Expenditures for care rendered in skilled nursing and intermediate care facilities, including those for the mentally retarded. The costs of long-term care provided by hospitals are excluded.

Personal health care expenditures—Outlays for goods and services relating directly to patient care. The expenditures in this category are total national health expenditures minus expenditures for research and construction, expenses for administering health insurance programs, and government public health activities.

Private expenditures—Outlays for services provided or paid for by nongovernmental sources—consumers, insurance companies, private industry, and philanthropic and other nonpatient care sources.

Public expenditures—Outlays for services provided or paid for by Federal, State, and local government agencies or expenditures required by governmental mandate (such as worker's compensation insurance payments).

Discussion

The Nation spent \$751.8 billion, or \$2,868 per person, for health care in 1991. Total health care expenditures exceeded the aggregate amount spent in 1990 by 11.4 percent. They continued to increase at a rapid rate, despite the slowdown in the general economy (1). Americans spent 13.2 percent of the Nation's GDP on health care in 1991, up from 12.2 percent 1 year earlier. Between 1960 and 1991, the percent of GDP spent on health care increased 2.5 times, from 5.3 to 13.2 percent (figure 1).

The United States spends a greater proportion of its GDP on health care than other developed countries. The gap between what the United States spends and what other countries spend continues to widen. As already noted, health care accounted for 13.2 percent of GDP in the United States in 1991. In Canada, the country with the next highest percentage, it accounted for 10.0 percent, and in Japan, 6.6 percent (4) (data not shown).

Trends in national health care expenditures for all ages during the period 1960–91 varied by the type of personal care expenditure (figure 2). The percent of expenditures for physician services remained relatively stable, and those for hospital care rose slightly from 34 to 38 percent. Home health care is the smallest but fastest growing component of personal health care expenditures. The percent of expenditures for home health care increased thirteenfold, from 0.1 to 1.3 percent. The percent of expenditures for nursing home care more than doubled during this 31-year period. In 1991,

expenditures for nursing home care were 6 times larger than for home health care.

Out-of-pocket payments for persons of all ages differed greatly by type of personal care expenditure. Only 3 percent of hospital expenditures were financed out of pocket in 1991 (data not shown). In contrast, 12 percent of home health care expenditures and 43 percent of nursing home care expenditures were paid out of pocket (4).

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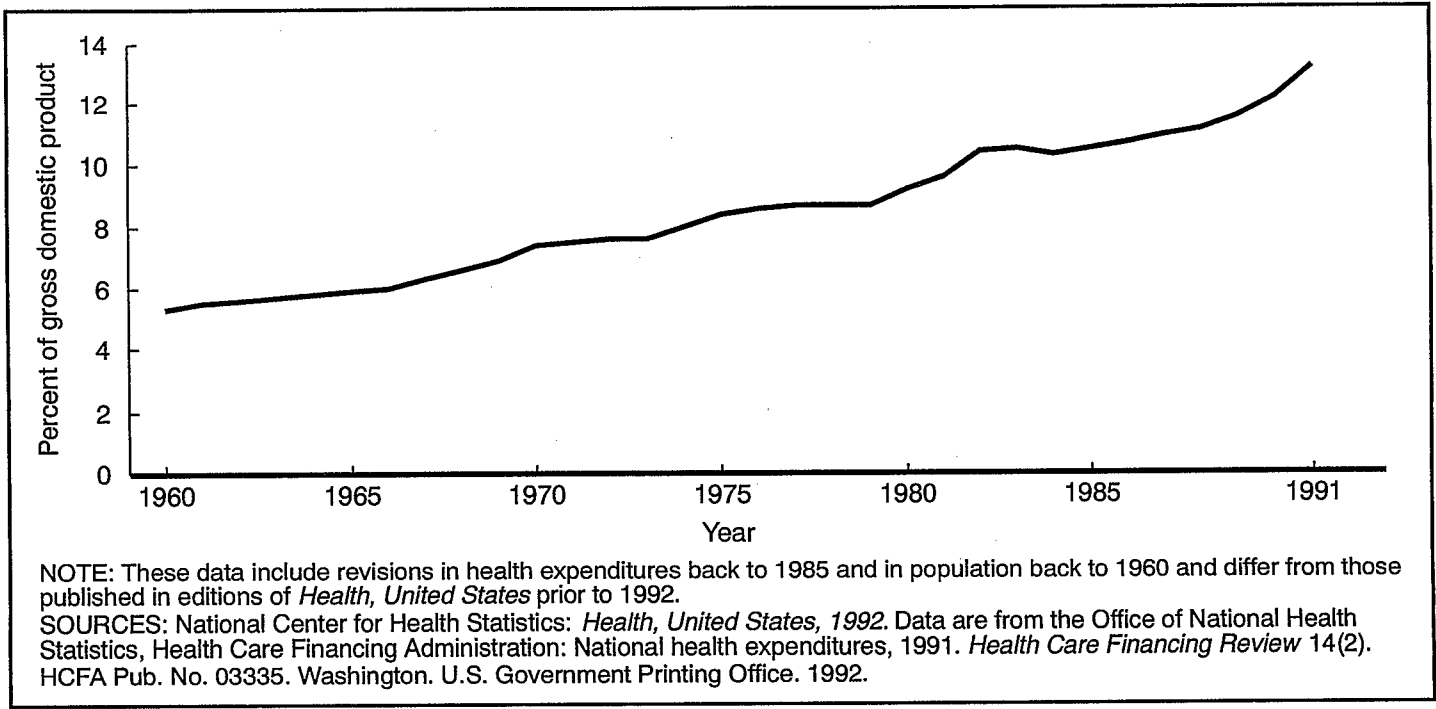


Figure 1. National health care expenditures as a percent of gross domestic product: United States, selected years 1960–91

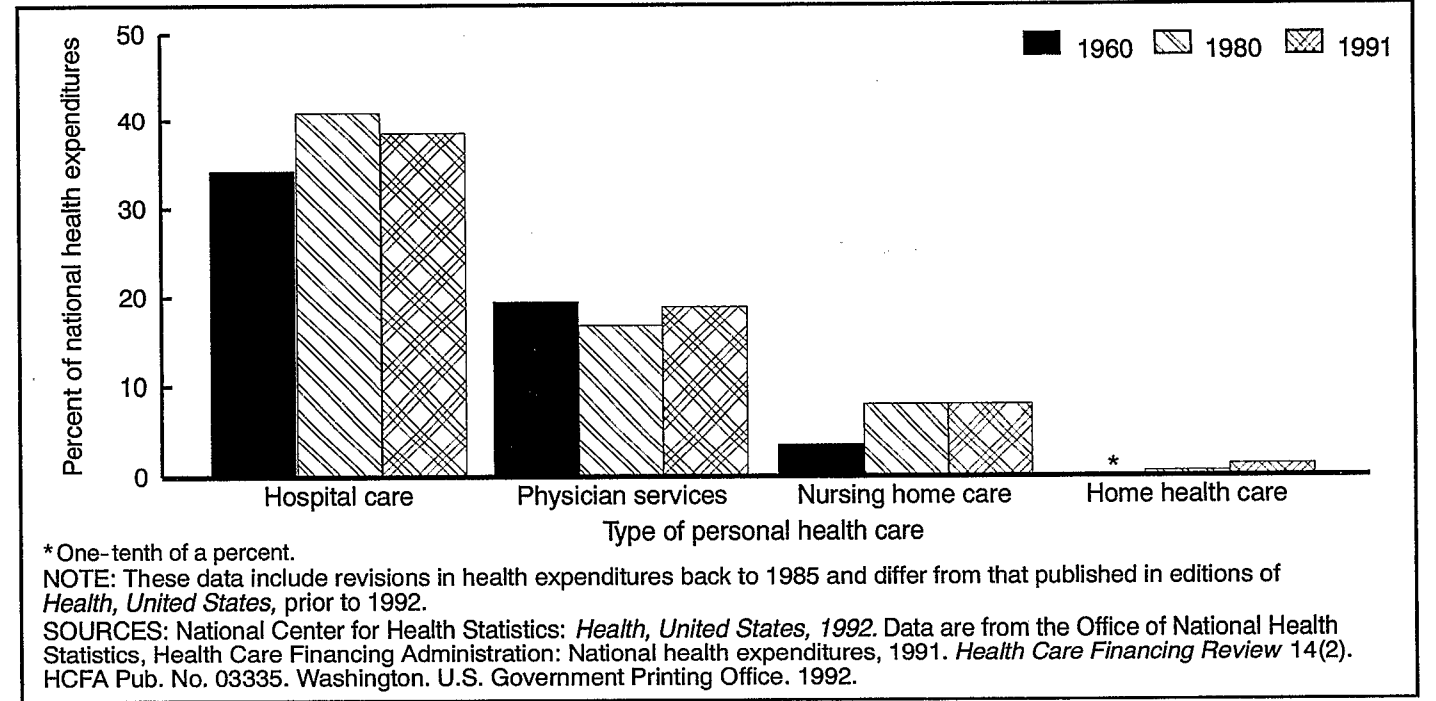


Figure 2. Expenditures for types of personal health care for all ages as a percent of national health expenditures: United States, selected years 1960–91

Table 1. Gross domestic product, national health expenditures, and Federal and State and local government expenditures: United States, selected years 1960–91

[Data are compiled by the Health Care Financing Administration]

| Year | Gross domestic product in billions | National health expenditures | | | Federal government expenditures | | | State and local government expenditures | | |
|------|------------------------------------|------------------------------|-----------------------------------|-------------------|---------------------------------|--------------------|------------------------------|---|--------------------|------------------------------|
| | | Amount in billions | Percent of gross domestic product | Amount per capita | Total in billions | Health in billions | Health as a percent of total | Total in billions | Health in billions | Health as a percent of total |
| 1960 | \$ 513.4 | \$ 27.1 | 5.3 | \$ 143 | \$ 93.4 | \$ 2.9 | 3.1 | \$ 48.3 | \$ 3.7 | 7.8 |
| 1965 | 702.7 | 41.6 | 5.9 | 204 | 124.6 | 4.8 | 3.9 | 72.3 | 5.5 | 7.6 |
| 1966 | 769.8 | 45.9 | 6.0 | 222 | 144.9 | 7.5 | 5.2 | 81.1 | 6.1 | 7.5 |
| 1967 | 814.3 | 51.7 | 6.3 | 248 | 165.2 | 12.2 | 7.4 | 90.9 | 6.9 | 7.6 |
| 1968 | 889.3 | 58.5 | 6.6 | 278 | 181.5 | 14.1 | 7.8 | 102.6 | 7.7 | 7.5 |
| 1969 | 959.5 | 65.7 | 6.9 | 309 | 191.0 | 16.1 | 8.4 | 113.3 | 8.5 | 7.5 |
| 1970 | 1,010.7 | 74.4 | 7.4 | 346 | 208.5 | 17.7 | 8.5 | 127.2 | 9.9 | 7.8 |
| 1971 | 1,097.2 | 82.3 | 7.5 | 379 | 224.3 | 20.4 | 9.1 | 142.8 | 10.8 | 7.6 |
| 1972 | 1,207.0 | 92.3 | 7.6 | 421 | 249.3 | 22.9 | 9.2 | 156.3 | 12.2 | 7.8 |
| 1973 | 1,349.6 | 102.5 | 7.6 | 464 | 270.3 | 25.2 | 9.3 | 171.9 | 14.1 | 8.2 |
| 1974 | 1,458.6 | 116.1 | 8.0 | 521 | 305.6 | 30.5 | 10.0 | 193.5 | 16.1 | 8.3 |
| 1975 | 1,585.9 | 132.9 | 8.4 | 592 | 364.2 | 36.4 | 10.0 | 221.0 | 18.7 | 8.5 |
| 1976 | 1,768.4 | 152.2 | 8.6 | 672 | 392.7 | 42.9 | 10.9 | 239.3 | 19.5 | 8.1 |
| 1977 | 1,974.1 | 172.0 | 8.7 | 753 | 426.4 | 47.6 | 11.2 | 256.3 | 22.5 | 8.8 |
| 1978 | 2,232.7 | 193.7 | 8.7 | 840 | 469.3 | 54.3 | 11.6 | 278.2 | 25.5 | 9.1 |
| 1979 | 2,488.6 | 217.2 | 8.7 | 933 | 520.3 | 61.4 | 11.8 | 305.4 | 28.9 | 9.5 |
| 1980 | 2,708.0 | 250.1 | 9.2 | 1,064 | 613.1 | 72.0 | 11.7 | 336.6 | 33.2 | 9.9 |
| 1981 | 3,030.6 | 290.2 | 9.6 | 1,222 | 697.8 | 84.0 | 12.0 | 362.3 | 37.8 | 10.4 |
| 1982 | 3,149.6 | 326.1 | 10.4 | 1,359 | 770.9 | 93.3 | 12.1 | 382.1 | 41.5 | 10.9 |
| 1983 | 3,405.0 | 358.6 | 10.5 | 1,480 | 840.0 | 103.2 | 12.3 | 403.2 | 44.4 | 11.0 |
| 1984 | 3,777.2 | 389.6 | 10.3 | 1,592 | 892.7 | 112.6 | 12.6 | 434.1 | 47.0 | 10.8 |
| 1985 | 4,038.7 | 422.6 | 10.5 | 1,711 | 969.9 | 123.5 | 12.7 | 472.6 | 51.2 | 10.8 |
| 1986 | 4,268.6 | 454.9 | 10.7 | 1,824 | 1,028.2 | 132.5 | 12.9 | 517.0 | 57.2 | 11.1 |
| 1987 | 4,539.9 | 494.2 | 10.9 | 1,962 | 1,065.6 | 143.6 | 13.5 | 554.2 | 64.4 | 11.6 |
| 1988 | 4,900.4 | 546.1 | 11.1 | 2,146 | 1,109.0 | 156.6 | 14.1 | 593.0 | 70.5 | 11.9 |
| 1989 | 5,250.8 | 604.3 | 11.5 | 2,352 | 1,181.6 | 175.0 | 14.8 | 636.7 | 78.3 | 12.3 |
| 1990 | 5,522.2 | 675.0 | 12.2 | 2,601 | 1,273.6 | 194.5 | 15.3 | 699.2 | 90.5 | 12.9 |
| 1991 | 5,677.5 | 751.8 | 13.2 | 2,868 | 1,332.7 | 222.9 | 16.7 | 760.7 | 107.1 | 14.1 |

NOTES: These data include revisions in health expenditures back to 1985 and in population back to 1960 and differ from those published in *Health, United States* editions prior to 1992. These data reflect Bureau of Economic Analysis, Department of Commerce, revisions to the gross domestic product, Federal and State and local government expenditures as of July 1992, and Social Security Administration population revisions as of July 1992.

SOURCES: National Center for Health Statistics: *Health, United States, 1992*. Data are from the Office of National Health Statistics, Office of the Actuary: National health expenditures, 1991. *Health Care Financing Review*. Vol. 14, Number 2. HCFA Pub. No. 03335. Health Care Financing Administration. Washington. U.S. Government Printing Office, 1992.

Table 2. National health expenditures, percent distribution, and average annual percent change, according to type of expenditure: United States, selected years 1960-91

[Data are compiled by the Health Care Financing Administration]

| Type of expenditure | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1987 | 1988 | 1989 | 1990 | 1991 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Amount in billions | | | | | | | | | | | |
| Total expenditures | \$ 27.1 | \$ 41.6 | \$ 74.4 | \$132.9 | \$250.1 | \$422.6 | \$494.2 | \$546.1 | \$604.3 | \$675.0 | \$751.8 |
| Percent distribution | | | | | | | | | | | |
| All expenditures | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Health services and supplies | 93.7 | 91.7 | 92.8 | 93.8 | 95.5 | 96.4 | 96.5 | 96.4 | 96.6 | 96.6 | 96.9 |
| Personal health care | 88.1 | 85.6 | 87.3 | 87.7 | 87.7 | 87.5 | 88.9 | 88.4 | 87.9 | 87.6 | 87.8 |
| Hospital care | 34.2 | 33.7 | 37.6 | 39.4 | 40.9 | 39.8 | 39.3 | 38.8 | 38.5 | 38.2 | 38.4 |
| Physician services | 19.5 | 19.7 | 18.3 | 17.5 | 16.7 | 17.5 | 18.8 | 19.3 | 19.2 | 19.1 | 18.9 |
| Dentist services | 7.2 | 6.7 | 6.3 | 6.2 | 5.7 | 5.5 | 5.5 | 5.4 | 5.2 | 5.0 | 4.9 |
| Nursing home care | 3.6 | 4.1 | 6.5 | 7.5 | 8.0 | 8.1 | 8.0 | 7.8 | 7.9 | 7.9 | 8.0 |
| Other professional services | 2.2 | 2.1 | 2.0 | 2.6 | 3.5 | 3.9 | 4.3 | 4.4 | 4.5 | 4.5 | 4.8 |
| Home health care | 0.1 | 0.1 | 0.2 | 0.3 | 0.5 | 0.9 | 0.8 | 0.8 | 0.9 | 1.1 | 1.3 |
| Drugs and other medical nondurables | 15.7 | 14.2 | 11.8 | 9.8 | 8.6 | 8.6 | 8.7 | 8.5 | 8.4 | 8.2 | 8.1 |
| Vision products and other medical durables .. | 3.0 | 3.0 | 2.7 | 2.3 | 1.8 | 1.7 | 1.8 | 1.9 | 1.7 | 1.7 | 1.6 |
| Other personal health care | 2.6 | 2.0 | 1.8 | 2.0 | 1.8 | 1.5 | 1.6 | 1.6 | 1.6 | 1.7 | 1.9 |
| Program administration and net cost of health insurance | 4.3 | 4.6 | 3.7 | 3.8 | 4.9 | 6.0 | 4.7 | 4.9 | 5.6 | 5.8 | 5.8 |
| Government public health activities | 1.4 | 1.5 | 1.9 | 2.3 | 2.9 | 2.9 | 3.0 | 3.0 | 3.1 | 3.3 | 3.3 |
| Research and construction | 6.3 | 8.3 | 7.2 | 6.2 | 4.5 | 3.6 | 3.5 | 3.6 | 3.4 | 3.4 | 3.1 |
| Noncommercial research | 2.6 | 3.7 | 2.6 | 2.5 | 2.2 | 1.8 | 1.8 | 1.9 | 1.8 | 1.8 | 1.7 |
| Construction | 3.7 | 4.6 | 4.5 | 3.7 | 2.3 | 1.8 | 1.7 | 1.7 | 1.6 | 1.6 | 1.4 |
| Average annual percent change | | | | | | | | | | | |
| All expenditures | | 8.9 | 12.3 | 12.3 | 13.5 | 11.1 | 8.1 | 10.5 | 10.7 | 11.7 | 11.4 |
| Health services and supplies | | 8.5 | 12.6 | 12.5 | 13.9 | 11.3 | 8.2 | 10.3 | 10.9 | 11.8 | 11.7 |
| Personal health care | | 8.3 | 12.8 | 12.4 | 13.5 | 11.0 | 9.0 | 9.9 | 10.0 | 11.4 | 11.6 |
| Hospital care | | 8.6 | 14.7 | 13.4 | 14.3 | 10.4 | 7.4 | 9.2 | 9.6 | 11.1 | 11.8 |
| Physician services | | 9.2 | 10.6 | 11.4 | 12.5 | 12.1 | 12.1 | 13.1 | 10.4 | 11.0 | 10.2 |
| Dentist services | | 7.3 | 10.8 | 12.1 | 11.7 | 10.1 | 8.0 | 8.5 | 7.5 | 7.7 | 8.8 |
| Nursing home care | | 11.6 | 23.4 | 15.4 | 15.0 | 11.3 | 7.8 | 7.8 | 11.1 | 12.3 | 12.4 |
| Other professional services | | 7.4 | 11.8 | 18.3 | 19.9 | 13.8 | 12.8 | 12.4 | 13.8 | 13.5 | 16.7 |
| Home health care | | 9.6 | 19.7 | 23.2 | 27.2 | 23.3 | 3.6 | 9.9 | 24.4 | 34.4 | 29.0 |
| Drugs and other medical nondurables | | 6.8 | 8.4 | 8.1 | 10.7 | 10.8 | 9.3 | 7.2 | 9.1 | 10.3 | 9.0 |
| Vision products and other medical durables .. | | 9.0 | 10.1 | 8.8 | 8.2 | 9.4 | 12.7 | 11.8 | 2.8 | 12.6 | 5.4 |
| Other personal health care | | 3.5 | 10.7 | 14.6 | 11.0 | 6.9 | 10.6 | 12.1 | 11.8 | 17.4 | 21.9 |

Table 2. National health expenditures, percent distribution, and average annual percent change, according to type of expenditure: United States, selected years 1960–91—Con.

[Data are compiled by the Health Care Financing Administration]

| Type of expenditure | 1960 | 1965 | 1970 | 1975 | 1980 | 1985 | 1987 | 1988 | 1989 | 1990 | 1991 |
|---|------|------|------|------|------|------|------|------|------|------|------|
| Program administration and net cost of health insurance | 10.5 | 7.5 | 12.8 | 19.3 | 15.5 | -4.4 | 16.8 | 25.7 | 15.3 | 12.7 | |
| Government public health activities | 10.8 | 17.1 | 17.0 | 18.9 | 11.3 | 8.9 | 13.5 | 14.3 | 16.0 | 11.6 | |
| Research and construction | 15.2 | 9.0 | 9.2 | 6.4 | 6.4 | 5.9 | 14.9 | 4.2 | 9.6 | 2.1 | |
| Noncommercial research | 17.1 | 5.1 | 11.2 | 10.4 | 7.4 | 7.6 | 14.5 | 6.2 | 8.0 | 6.1 | |
| Construction | 13.9 | 11.8 | 8.0 | 3.3 | 5.4 | 4.2 | 15.3 | 1.9 | 11.5 | -2.2 | |

NOTE: These data include revisions in health expenditures back to 1985 and differ from those published in *Health, United States* editions published prior to 1992.

SOURCES: National Center for Health Statistics: *Health, United States, 1992*. Data are from the Office of National Health Statistics, Office of the Actuary: National health expenditures, 1991. *Health Care Financing Review*. Vol. 14, No. 2. HCFA Pub. No. 03335. Health Care Financing Administration. Washington. U.S. Government Printing Office. 1992.

Table 3. Number of Medicare enrollees and amount and percent distribution of expenditures, according to type of service: United States and other areas, selected years 1967-91

[Data are compiled by the Health Care Financing Administration]

| Type of measure | 1967 | 1970 | 1975 | 1980 | 1985 | 1988 | 1989 | 1990 | 1991 |
|---|---------|---------|----------|----------|----------|----------|-----------|-----------|-----------|
| Enrollees | | | | | | | | | |
| Number in millions | | | | | | | | | |
| All enrollees ¹ | 19.5 | 20.5 | 25.0 | 28.5 | 31.1 | 33.0 | 33.6 | 34.2 | 34.9 |
| Hospital insurance | 19.5 | 20.4 | 24.6 | 28.1 | 30.6 | 32.4 | 33.0 | 33.7 | 34.4 |
| Supplementary medical insurance | 17.9 | 19.6 | 23.9 | 27.4 | 30.0 | 31.6 | 32.1 | 32.6 | 33.2 |
| Expenditures | | | | | | | | | |
| Amount in millions | | | | | | | | | |
| Total Medicare expenditures | \$4,737 | \$7,493 | \$16,316 | \$36,822 | \$72,294 | \$88,561 | \$100,586 | \$110,984 | \$121,340 |
| Total hospital insurance ² | 3,430 | 5,281 | 11,581 | 25,577 | 48,414 | 53,331 | 60,803 | 66,997 | 72,570 |
| Inpatient hospital | 3,034 | 4,827 | 10,877 | 24,082 | 44,680 | 49,062 | 53,822 | 59,301 | 63,167 |
| Skilled nursing facility | 282 | 246 | 278 | 401 | 577 | 816 | 2,978 | 2,876 | 2,520 |
| Home health agency | 29 | 51 | 160 | 568 | 2,144 | 2,313 | 2,765 | 3,517 | 5,130 |
| Hospice | ... | ... | ... | ... | 43 | 156 | 238 | 356 | 500 |
| Administrative expenses ³ | 77 | 157 | 266 | 512 | 834 | 815 | 792 | 758 | 1,021 |
| Peer review activity | ... | ... | ... | 14 | 136 | 169 | 208 | 189 | 232 |
| Total supplementary medical insurance | 1,307 | 2,212 | 4,735 | 11,245 | 23,880 | 35,230 | 39,783 | 43,987 | 48,770 |
| Physician | 1,128 | 1,790 | 3,415 | 8,188 | 17,311 | 24,372 | 27,057 | 29,628 | 32,231 |
| Outpatient hospital | 33 | 114 | 652 | 1,935 | 4,304 | 6,534 | 7,662 | 8,475 | 9,756 |
| Home health agency | 10 | 34 | 87 | 195 | 54 | 62 | 73 | 81 | 70 |
| Group practice prepayment | 19 | 26 | 80 | 203 | 720 | 2,019 | 2,308 | 2,827 | 3,524 |
| Independent laboratory | 7 | 11 | 39 | 114 | 558 | 983 | 1,194 | 1,457 | 1,648 |
| Administrative expenses | 110 | 237 | 462 | 610 | 933 | 1,260 | 1,489 | 1,519 | 1,541 |
| Percent distribution of expenditures | | | | | | | | | |
| Total hospital insurance | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Inpatient hospital | 88.5 | 91.4 | 93.9 | 94.2 | 92.3 | 92.0 | 88.5 | 88.5 | 87.0 |
| Skilled nursing facility | 8.2 | 4.7 | 2.4 | 1.6 | 1.2 | 1.5 | 4.9 | 4.3 | 3.5 |
| Home health agency | 0.8 | 1.0 | 1.4 | 2.2 | 4.4 | 4.3 | 4.5 | 5.2 | 7.1 |
| Hospice | ... | ... | ... | ... | 0.1 | 0.3 | 0.4 | 0.5 | 0.7 |
| Administrative expenses ³ | 2.2 | 3.0 | 2.3 | 2.0 | 1.7 | 1.5 | 1.3 | 1.1 | 1.4 |
| Peer review activity | ... | ... | ... | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Total supplementary medical insurance | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Physician | 86.3 | 80.9 | 72.1 | 72.8 | 72.5 | 69.2 | 68.0 | 67.4 | 66.1 |
| Outpatient hospital | 2.5 | 5.2 | 13.8 | 17.2 | 18.0 | 18.5 | 19.3 | 19.3 | 20.0 |
| Home health agency | 0.8 | 1.5 | 1.8 | 1.7 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 |
| Group practice prepayment | 1.5 | 1.2 | 1.7 | 1.8 | 3.0 | 5.7 | 5.8 | 6.4 | 7.2 |
| Independent laboratory | 0.5 | 0.5 | 0.8 | 1.0 | 2.3 | 2.8 | 3.0 | 3.3 | 3.4 |
| Administrative expenses | 8.4 | 10.7 | 9.8 | 5.4 | 3.9 | 3.6 | 3.7 | 3.5 | 3.2 |

¹Number enrolled in the hospital insurance and/or supplementary medical insurance programs on July 1.

²In 1967, includes coverage for outpatient hospital diagnostic services.

³Includes costs of experiments and demonstration projects.

NOTE: Table includes Medicare data for residents of the United States, Puerto Rico, Virgin Islands, Guam, other outlying areas, foreign countries, and unknown residence.

SOURCES: National Center for Health Statistics: *Health, United States, 1992*. Data are from the Office of Medicare Cost Estimates, Office of the Actuary and Bureau of Data Management and Strategy. Health Care Financing Administration. Washington.

Table 4. Medicare enrollment, persons served, and payments for Medicare enrollees 65 years of age and over, by year and selected characteristics: United States and other areas, selected years 1967–90

[Data are compiled by the Health Care Financing Administration]

| Characteristic | Enrollment in millions ¹ | | | | Persons served per 1,000 enrollees ² | | | | Payments per person served ³ | | | | Payments per enrollee | | | |
|--------------------------------|--|------|------|------|--|------|------|------|--|---------|---------|---------|--------------------------|--------|---------|---------|
| | 1967 | 1977 | 1987 | 1990 | 1967 | 1977 | 1987 | 1990 | 1967 | 1977 | 1987 | 1990 | 1967 | 1977 | 1987 | 1990 |
| Total | 19.5 | 23.8 | 29.4 | 30.9 | 367 | 570 | 754 | 802 | \$592 | \$1,332 | \$3,025 | \$3,578 | \$217 | \$ 759 | \$2,281 | \$2,869 |
| Age | | | | | | | | | | | | | | | | |
| 65–66 years | 2.8 | 3.3 | 4.0 | 4.0 | 300 | 533 | 700 | 753 | 496 | 1,075 | 2,214 | 2,463 | 149 | 573 | 1,550 | 1,854 |
| 67–68 years | 2.6 | 3.2 | 3.7 | 3.9 | 326 | 511 | 667 | 721 | 521 | 1,173 | 2,536 | 2,995 | 170 | 599 | 1,691 | 2,160 |
| 69–70 years | 2.4 | 2.9 | 3.4 | 3.7 | 339 | 531 | 705 | 741 | 530 | 1,211 | 2,700 | 3,131 | 180 | 643 | 1,902 | 2,322 |
| 71–72 years | 2.3 | 2.6 | 3.1 | 3.2 | 351 | 555 | 740 | 788 | 560 | 1,228 | 2,904 | 3,393 | 197 | 681 | 2,150 | 2,673 |
| 73–74 years | 2.1 | 2.3 | 2.9 | 2.9 | 369 | 576 | 762 | 808 | 574 | 1,319 | 3,048 | 3,595 | 212 | 759 | 2,322 | 2,906 |
| 75–79 years | 3.9 | 4.5 | 5.7 | 6.1 | 398 | 597 | 787 | 838 | 624 | 1,430 | 3,312 | 3,924 | 248 | 853 | 2,608 | 3,287 |
| 80–84 years | 2.2 | 3.0 | 3.7 | 4.0 | 430 | 623 | 828 | 869 | 693 | 1,549 | 3,496 | 4,222 | 298 | 965 | 2,894 | 3,668 |
| 85 years and over | 1.3 | 2.1 | 3.0 | 3.3 | 465 | 652 | 841 | 883 | 740 | 1,636 | 3,708 | 4,486 | 345 | 1,068 | 3,119 | 3,962 |
| Sex | | | | | | | | | | | | | | | | |
| Male | 8.3 | 9.6 | 11.8 | 12.4 | 357 | 546 | 712 | 759 | 647 | 1,505 | 3,432 | 4,018 | 231 | 821 | 2,443 | 3,049 |
| Female | 11.3 | 14.2 | 17.6 | 18.5 | 373 | 586 | 782 | 830 | 554 | 1,223 | 2,778 | 3,309 | 207 | 717 | 2,173 | 2,747 |
| Race ⁴ | | | | | | | | | | | | | | | | |
| White | 17.4 | 21.1 | 25.7 | 26.9 | 375 | 576 | 760 | 810 | 593 | 1,328 | 2,993 | 3,530 | 222 | 765 | 2,275 | 2,857 |
| Other | 1.5 | 2.1 | 2.8 | 3.1 | 260 | 514 | 699 | 738 | 557 | 1,404 | 3,403 | 4,090 | 145 | 722 | 2,379 | 3,019 |
| Geographic region ⁵ | | | | | | | | | | | | | | | | |
| Northeast | 5.1 | 5.7 | 6.6 | 6.8 | 385 | 613 | 793 | 833 | 604 | 1,426 | 3,171 | 3,842 | 233 | 874 | 2,513 | 3,201 |
| Midwest | 5.6 | 6.3 | 7.4 | 7.6 | 352 | 541 | 756 | 823 | 599 | 1,401 | 2,969 | 3,445 | 211 | 757 | 2,246 | 2,834 |
| South | 5.6 | 7.5 | 9.6 | 10.3 | 351 | 556 | 768 | 831 | 528 | 1,198 | 2,893 | 3,485 | 186 | 666 | 2,221 | 2,894 |
| West | 2.9 | 3.8 | 5.2 | 5.6 | 455 | 632 | 726 | 730 | 620 | 1,341 | 3,222 | 3,694 | 282 | 848 | 2,339 | 2,695 |

¹Includes fee-for-service and health maintenance organization (HMO) enrollees as of July 1 each year.

²Excludes HMO enrollees.

³Excludes amounts for HMO services.

⁴Excludes persons of unknown race.

⁵Includes the resident population of the United States but not residence unknown.

NOTE: Table includes Medicare data for residents of the United States, Puerto Rico, Virgin Islands, Guam, other outlying areas, foreign countries, and unknown residence.

SOURCES: National Center for Health Statistics: *Health, United States, 1992*. Data are from the Bureau of Data Management and Strategy, Health Care Financing Administration.

Appendixes

Contents

| | |
|---|-----|
| I. Sources and limitations of data | 309 |
| II. Definition of general terms | 319 |
| III. How to order PC Lotus diskette of tables | 327 |
| IV. Guide to tables | 328 |

Appendix tables

| | |
|--|-----|
| I. Resident population, by race, sex, and age: United States, selected years 1950–90 | 321 |
| II. Standard million age distribution used to adjust death rates to the U.S. population in 1940 | 324 |
| III. Revision of the <i>International Classification of Diseases</i> , by year of conference by which adopted and years in use in United States | 324 |
| IV. Cause-of-death codes, according to applicable revision of <i>International Classification of Diseases</i> | 324 |
| V. First-listed diagnosis and code number inclusions based on the <i>International Classification of Diseases, 8th Revision, adapted for use in the United States</i> , and the <i>International Classification of Diseases, 9th Revision, Clinical Modification</i> | 325 |
| VI. Codes for surgical and nonsurgical categories from the <i>International Classification of Diseases, 9th Revision, Clinical Modification</i> | 325 |
| VII. Procedure codes from the <i>International Classification of Diseases, 9th Revision, Clinical Modification</i> not used in the National Hospital Discharge Survey for 1980, 1985, and 1990 | 326 |
| VIII. <i>International Classification of Diseases, 9th Revision, Clinical Modification</i> codes for diagnostic and nonsurgical procedures for 1980, 1985, 1990, and 1991 | 326 |

Appendix I

Sources and limitations of data

Introduction

This report presents data on various aspects of the health of older Americans. Much but not all of the data presented are from the ongoing data collection systems of the National Center for Health Statistics (NCHS). For an overview of these systems, see National Center for Health Statistics, MG Kovar: Data systems of the National Center for Health Statistics, *Vital and Health Statistics*. Series 1, No. 23, DHHS Pub. No. (PHS) 89-1325, Public Health Service, Hyattsville, MD. 1989. National health expenditures data are from *Health, United States, 1992*, and were compiled by the Office of the Actuary, Health Care Financing Administration.

Although a detailed description and comprehensive evaluation of each data source is beyond the scope of this appendix, users should be aware of the general strengths and weaknesses of the different data collection systems. For example, population-based surveys contain socioeconomic data, data on family characteristics, and information on the impact of an illness, such as days lost from work or limitation of activity. They are limited by the amount of information a respondent remembers or is willing to report. Detailed medical information, such as precise diagnoses or the types of operations performed, may not be known and so will not be reported. Conversely, health care providers, such as physicians and hospitals, usually have good diagnostic information but little or no information about the socioeconomic characteristics of individuals or the impact of illnesses on individuals.

The population covered by different data collection systems may not be the same, and understanding the differences is critical to interpreting the data. Data on vital statistics and national expenditures cover the entire elderly population. Most data on morbidity and utilization of health resources cover only the noninstitutionalized population, that is, only those elderly living in the community.

The descriptive summaries of each data source are presented in this section, in alphabetical order by name of the data collection system. Summaries provide a general overview of study design, methods of data collection, and reliability and validity of the data. More complete and detailed discussions are found in the publications cited at the end of each summary. In many cases the publication is from the same time period as the data presented in this report. *Health, United States, 1992*, was the source for much of the material in the report on data sources and definitions.

Department of Commerce Bureau of the Census

Census of populations

The census of population has been taken in the United States every 10 years since 1790. In the 1990 census, data were collected on sex, race, age, and marital status from 100 percent of the enumerated population. More detailed information, such as income, education, housing, occupation, and industry were collected from a representative sample of

the population. For most of the country, one out of six households (about 17 percent) received the more detailed questionnaire. In places of residence estimated to have less than 2,500 population, 50 percent of households received the long form.

For more information on the 1990 census, see U.S. Bureau of the Census, *1990 Census of Population, General Population Characteristics*, Series 1990, CP-1.

Population estimates

National population estimates are derived by using decennial census data as benchmarks and data available from various agencies as follows: births and deaths (National Center for Health Statistics); immigrants (Immigration and Naturalization Service); Armed Forces (U.S. Department of Defense); net movement between Puerto Rico and the U.S. mainland (Puerto Rico Planning Board); and Federal employees abroad (Office of Personnel Management and U.S. Department of Defense). State estimates are based on similar data and also on a variety of data series, including school statistics from State departments of education and parochial school systems. Current estimates are consistent with official decennial census figures and do not reflect estimated decennial census underenumeration.

After decennial population censuses, intercensal population estimates for the preceding decade are prepared to replace postcensal estimates. Intercensal population estimates are more accurate than postcensal estimates because they take into account the census of population at the beginning and end of the decade. Intercensal estimates have been prepared for the 1960's, 1970's, and 1980's to correct the "error of closure" or difference between the estimated population at the end of the decade and the census count for that date. The error of closure at the national level was quite small during the 1960's (379,000). However, for the 1970's, it was almost 5 million.

For more information, see U.S. Bureau of the Census, *Estimates of the population of the United*

States, by age, sex, and race: 1980–1989, Current Population Reports, Series P-25, No. 1057, Washington, U.S. Government Printing Office. 1990.

Health Care Financing Administration Office of the Actuary

Estimates of national health expenditures

Estimates of expenditures for health are compiled annually by type of expenditure and source of funds. Estimates of expenditures for health services come from an array of sources. The American Hospital Association data on hospital finances are the primary source of estimates relating to hospital care. The salaries of physicians and dentists on the staffs of hospitals, hospital outpatient clinics, hospital-based home health agencies, and nursing home care provided in the hospital setting are considered to be components of hospital care. Expenditures for services of health professionals (doctors, dentists, chiropractors, private duty nurses, therapists, podiatrists, etc.) are estimated using a combination of data from the U.S. Bureau of the Census' Services Annual Survey and the quinquennial census of Service Industries, from the Internal Revenue Service, and from tabulations on the operations of health maintenance organizations. Expenditures for drugs and other medical nondurables and vision products and other medical durables purchased in retail outlets are based on estimates of personal consumption expenditures prepared by the U.S. Department of Commerce's Bureau of Economic Analysis and on industry data on prescription drug transactions. Those durable and nondurable products provided to inpatients in hospitals or nursing homes, and those provided by licensed professionals or through home health agencies are excluded here but are included with the expenditure estimates for those in the provider service category. Nursing home expenditures cover care rendered in establishments providing inpatient nursing and health-related personal care through active treatment programs for medical and health-related conditions. These establishments

cover skilled nursing and intermediate care facilities, including those for the mentally retarded. Spending estimates are based upon revenue data from the National Nursing Home Survey conducted by the National Center for Health Statistics. Expenditures for construction include the erection or renovation of hospitals, nursing homes, medical clinics, and medical research facilities, but not private office buildings providing office space for private practitioners. Expenditures for noncommercial research (the cost of commercial research by drug companies are assumed to be embedded in the price charged for the product; to include this item again would result in double counting) are developed from information gathered by the National Institutes of Health.

For more information on definitions, sources, and methods used in the national health accounts, see *National Health Expenditures, 1991*, by Suzanne Letsch, Helen Lazenby, Cathy Cowan, and Katharine Levit, Office of the Actuary, *Health Care Financing Review*, Health Care Financing Administration. Washington. U.S. Government Printing Office. 1992.

Medicare Statistical System

The Medicare Statistical System (MSS) of the Health Care Financing Administration provides data for examining the program's effectiveness and for tracking the eligibility of enrollees and the benefits they use, the certification status of institutional providers, and the payments made for covered services. Records are maintained on about 33 million enrollees and 24,000 participating institutional providers; about 420 million bills for services are processed annually.

The MSS contains four major computer files: the health insurance master file, the service provider file, the Hospital Insurance (HI) claims file, and the Supplementary Medical Insurance (SMI) payment records file.

The health insurance master file contains records for each aged and disabled enrollee and includes

data on type of entitlement, deductible status, benefit period status, and benefits used, as well as demographic information such as age, sex, race, and place of residence.

The service provider file contains information on hospitals, home health agencies, skilled nursing facilities, independent clinical laboratories, and suppliers of portable x ray or outpatient physical therapy services that participate in Medicare. For hospitals, data on number of beds, type of ownership, and other characteristics are included.

The HI claims file contains information on beneficiary entitlement and use of benefits during the benefit period for hospital, skilled nursing facility, and home health agency services.

The SMI payment record file provides information on whether the enrollee has met the deductible and on amounts paid for physician services and other SMI-covered services and supplies.

Data from the MSS provide information about enrollee use of benefits for a point in time or over an extended period. Statistical reports are produced on enrollment, characteristics of participating providers, reimbursements, and services used.

For further information on the MSS, see *Health Care Financing Administration, Medicare Statistical File Manual*, HCFA Pub. No. 03272, Baltimore, MD. July 1988.

Public Health Service Centers for Disease Control and Prevention

National Health Interview Survey

The National Health Interview Survey (NHIS) is a continuing nationwide sample survey conducted by the National Center for Health Statistics (NCHS) in which data are collected through personal household interviews. Information is obtained on personal and demographic characteristics, illnesses, injuries, impairments, chronic conditions, utilization of health resources, and other health topics. The household

questionnaire is reviewed each year, with special health topics being added or deleted. For most health topics, data are collected over an entire calendar year.

The sample design plan of the NHIS follows a multistage probability design that permits a continuous sampling of the civilian noninstitutionalized population residing in the United States. The survey is designed in such a way that the sample scheduled for each week is representative of the target population, and the weekly samples are additive over time. The response rate for the survey has been between 95 and 98 percent over the years.

In 1985, the NHIS adopted several new sample design features although conceptually the sampling plan remained the same as for the previous design. Two major changes included reducing the number of primary sampling locations from 376 to 198 for sampling efficiency, and oversampling the black population to improve the precision of the statistics. It is anticipated that this design will be used until 1995.

The sample was designed so that a typical NHIS sample for the data collection years 1985–94 would consist of approximately 7,500 segments containing about 59,000 assigned households. Of these households, an expected 10,000 would be vacant, demolished, or occupied by persons not in the target population of the survey. The expected sample of 49,000 occupied households will yield a probability sample of about 127,000 persons. In 1991, there was a sample of 120,032 persons, and in 1992, there was a sample of 128,412 persons.

A description of the survey design, the methods used in estimation, and general qualifications of the data obtained from the survey are presented in National Center for Health Statistics, V Benson and MA Marano: Current estimates from the National Health Interview Survey, United States, 1992. *Vital and Health Statistics*. Series 10, No. 189, DHHS Pub. No. (PHS) 94-1517. Public Health Service. Washington. U.S. Government Printing Office. January 1994. For information concerning a particular

year, see the Current Estimates from the National Health Interview Survey for that year. For more information on combining data and analyzing 3-year trends, see National Center for Health Statistics, P Ries: Health of Black and White Americans, 1985–87. *Vital and Health Statistics*. Series 10, No. 171, DHHS Pub. No. (PHS) 90-1599. Public Health Service. Washington. U.S. Government Printing Office. January 1990.

Longitudinal Study on Aging

The Longitudinal Study on Aging (LSOA) is a collaborative endeavor conducted by NCHS and the National Institute on Aging (NIA). The LSOA is designed to measure changes in functional ability and in living arrangements (including movement into and out of nursing homes) of a cohort of older people living in the community in 1984. The LSOA provides baseline data for 1984 and followup information for the years 1986, 1988, and 1990 on 7,527 people who were 70 years of age and over when they participated in the Supplement on Aging (SOA) to the 1984 National Health Interview Survey (NHIS).

The 1984 SOA is a survey specifically directed toward civilian noninstitutionalized persons 55 years of age and over. One of the objectives of the SOA was to provide finer statistical measures of functional limitations and the presence of chronic health conditions among older persons. Another objective of the SOA was to provide information about older people that could be used as baseline data for the LSOA. The SOA sample consisted of a systematic one-half sample of people in the 1984 NHIS households who were 55–64 years of age and all people in the 1984 NHIS households who were 65 years of age and over. A total of 16,697 sample persons in the 39,996 households responding to the 1984 NHIS were selected for the SOA interview. A total of 7,541 sample persons were 70 years of age and over. For more detailed information on the design of the SOA, see National Center for Health Statistics, JE Fitti and MG Kovar: The Supplement on Aging

to the 1984 National Health Interview Survey. *Vital and Health Statistics*. Series 1, No. 21, DHHS Pub. No. (PHS) 87-1323 Public Health Service. Washington. U.S. Government Printing Office. October 1987.

To obtain measures of change, elderly persons or their proxies were reinterviewed three times after 1984: in 1986, 1988, and 1990. Their records were matched (with their permission) to the National Death Index, the computerized records of deaths in the United States maintained by NCHS; the multiple cause-of-death file, maintained by NCHS; and the Medicare Automated Data Retrieval System (MADRS), maintained by the Health Care Financing Administration (HCFA).

The LSOA contains information on demographic and health characteristics, including disability measured by activities of daily living and instrumental activities of daily living; selected indicators of disability; changes in those characteristics and reasons for change; and doctor, hospital, and nursing home use. The LSOA also contains information concerning hospitalization—length of stay, diagnoses, surgical procedures, and cost of hospitalization, from MADRS.

The sampling frame for the 1986 reinterview was the 7,541 persons who were 70 years of age and over in 1984 when they participated in the SOA. However, only a subsample was selected for the 1986 interview. The sample was selected in stages to accomplish three major goals: select as many of the oldest-old as possible; select as many minority people as possible; and select all family members 70 years of age and over who were related to these people to maximize the ability to examine family relationships. The following three steps were taken to accomplish these goals:

First, all NHIS households with an SOA participant 80 years of age and over were selected. Within these households everyone 80 years of age and over and their relatives ages 70–79 years were selected.

Second, all other households with a person 70–79 years of age were selected. From these

households, all Hispanic or black persons and their relatives 70–79 years of age were selected.

Third, the remaining households with a person 70–79 years of age, which were households containing only white, non-Hispanic persons, were randomly sorted; one-half of these households were selected for the sample. If there was more than one person in the age group 70–79 years in a household that was selected, all were included. The selection process produced an interview sample of 5,151 persons.

The sampling frame for the 1988 and 1990 samples was also the SOA participants who were 70 years of age and over in 1984. However, there was no subsampling. The interview samples did not include all 7,541 persons who were 70 years of age and over in 1984. People known to have died prior to interview were not included.

In 1984, people could either be independent or dependent, but they were all living in the community. By 1986, some people had died, and there were four, instead of two, starting points because people who were in institutions in 1986 or 1988 were eligible for subsequent interviews. The pattern of people being removed from the interview sample because they were known to have died and the rest starting from one of four possible starting points persists throughout the remainder of the study.

The 1986 interview yielded the information that 604 sample people had died since the 1984 SOA interview but asked only the date and place of death in these cases. Because other information was needed about the deceased person's experience between the 1984 SOA interview and death, a followup was conducted with the sample person's named contact or next of kin. This followup was by telephone. Questions in the Decedent Followup were about hospitalizations and nursing home stays of the sample person prior to death. For the 1988 and 1990 LSOA interviews, the Decedent Followup questions were included so that information could be obtained about the deceased sample person at the telephone dialing.

A description of the survey design, the methods used in estimation, and general qualifications of the data obtained from the survey are presented in National Center for Health Statistics, MG Kovar, JE Fitti, and MM Chyba: *The longitudinal study of aging: 1984–1990. Vital and Health Statistics. Series 1, No. 28, DHHS Pub. No. (PHS) 92-1304. Public Health Service. Hyattsville, MD. July 1992.*

National Hospital Discharge Survey

The National Hospital Discharge Survey (NHDS) is a continuing nationwide sample survey of short-stay hospitals in the United States conducted by NCHS. Before 1988, the scope of NHDS encompassed patients discharged from noninstitutional hospitals, exclusive of military and Veterans Administration hospitals, located in the 50 States and the District of Columbia. Only hospitals having six or more beds for patient use and hospitals in which the average length of stay for all patients was less than 30 days were included in the survey. Beginning in 1988, the scope was altered slightly to include all general and children's general hospitals, regardless of the length of stay. Although all discharges of patients from these hospitals are within the scope of the survey, discharges of newborn infants from all hospitals are excluded from this report as well as discharges of all patients from Federal hospitals.

The original sample was selected in 1964 from a frame of short-stay hospitals listed in the National Master Facility Inventory. A two-stage stratified sample design was used, and hospitals were stratified according to bed size and geographic region. Sample hospitals were selected with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals. Within each sample hospital, a systematic random sample of discharges was selected from the daily listing sheet. Initially, the within-hospital sampling rates for selecting discharges varied inversely with the probability of hospital selection, so that the overall probability of

selecting a discharge was approximately the same across the sample. Those rates were adjusted for individual hospitals in subsequent years to control the reporting burden of those hospitals.

In 1985, for the first time, two data collection procedures were used for the survey. The first was the traditional manual system of sample selection and data abstraction. In the manual system, sample selection and transcription of information from the hospital records to abstract forms were performed by either the hospital staff or representatives of NCHS or both. The second was an automated method involving the purchase of data tapes from commercial abstracting services. Upon receipt of these tapes, they were subject to NCHS sampling, editing, and weighting procedures. The automated method was used in approximately 17 percent of the sample hospitals in 1985, and 33 percent in 1991.

In 1988, the NHDS was redesigned. The hospitals with the most beds and/or discharges annually were selected with certainty, but the remaining sample was selected using a three-stage stratified design. The first stage is a sample of the primary sampling units (PSU's) used by the National Health Interview Survey. Within PSU's, hospitals were stratified or arrayed by abstracting status (whether subscribing to a commercial abstracting service), and within abstracting status arrayed by type of service and bed size. Within these strata and arrays, a systematic sampling scheme with probability proportional to the number of discharges annually was used to select hospitals. The rates for systematic sampling of discharges within hospitals vary inversely with probability of hospital selection within a PSU. Discharge records from hospitals submitting data via commercial abstracting services (approximately 30 percent of sample hospitals in 1991) were arrayed by primary diagnoses, patient sex and age group, and date of discharge before sampling. Otherwise, the procedures for sampling discharges within hospitals remained the same as those used in the prior design.

In 1991, the hospital sample was updated by continuing the sampling process among hospitals that were NHDS-eligible for the sampling frame in 1991 but not 1987. That is, the additional hospitals were added at the end of the list of the strata to which they belonged, and the systematic sampling was continued as if the additional hospitals had been present during the initial sample selection. Hospitals that were no longer NHDS-eligible were deleted. The updating process will be repeated every third year.

The basic unit of estimation for NHDS is the sample patient abstract. The estimation procedure involves inflation by the reciprocal of the probability of selection, adjustment for nonresponding hospitals and missing abstracts, and ratio adjustments to fixed totals. Of the 528 hospitals selected for the survey, 521 were within the scope of the survey, and 484 participated in the survey in 1991. Data were abstracted from about 275,000 records. Age and sex of the patient were not stated for about 1.5 and 1.1 percent of the sample discharges in 1990 and 1991, respectively. These data were imputed by assigning the patient an age and sex consistent with the age and sex of other sampled patients with the same diagnostic code. Data on race were not available for 9.6, 19.4, and 21.6 percent of the discharges for 1985, 1990, and 1991, respectively. Missing values were not imputed.

For more detailed information on the design of NHDS and the magnitude of sampling errors associated with NHDS estimates, see National Center for Health Statistics, EJ Graves: National Hospital Discharge Survey: Annual Summary, 1991. *Vital and Health Statistics*. Series 13, No. 114, DHHS Pub. No. (PHS) 93-1775. Public Health Service. Washington. U.S. Government Printing Office. July 1993; and National Center for Health Statistics, BJ Haupt, LJ Kozak: National Hospital Discharge Survey: Estimates from two survey designs. *Vital and Health Statistics*. Series 13, No. 111, DHHS Pub. No. (PHS) 92-1772. Public Health Service. Washington. U.S. Government Printing Office. May 1992.

National Nursing Home Survey

NCHS has conducted three National Nursing Home Surveys. The first survey was conducted from August 1973 to April 1974; the second from May to December of 1977; and the third from August 1985 to January 1986.

Much of the background information and experience used to develop the first National Nursing Home Survey (NNHS) was obtained from a series of three ad hoc sample surveys of nursing and personal care homes called the Resident Places Surveys (RPS-1, -2, -3). The three surveys were conducted by NCHS during April–June 1963, May–June 1964, and June–August 1969. During the first survey, RPS-1, data were collected on nursing homes, chronic disease and geriatric hospitals, nursing home units, and chronic disease wards of general and mental hospitals. RPS-2 concentrated mainly on nursing homes and geriatric hospitals. During the third survey, RPS-3, nursing and personal care homes in the coterminous United States were sampled.

For the initial NNHS conducted in 1973–74, the universe included only those nursing homes that provided some level of nursing care. Thus, homes providing only personal or domiciliary care were excluded.

The scope of the 1977 NNHS encompassed all types of nursing homes, including personal care and domiciliary care homes. The sample of about 1,700 facilities was selected from 23,105 nursing homes in the sampling frame, which consisted of all homes listed in the 1973 National Master Facility Inventory (NMFI), a listing of all health facilities, and those opening for business between 1973 and December 1976. Data were obtained from about 13,600 staff, 7,000 residents, and 5,100 discharged residents. Response rates were 95 percent for facilities, 85 percent for expenses, 81 percent for staff, 99 percent for residents, and 97 percent for discharges.

The scope of the 1985 NNHS was similar to the 1977 survey in that it included all types of nursing

homes. The sample of 1,220 homes was selected from a sampling frame of 20,479 nursing and related care homes. The frame consisted of all homes in the 1982 NMFI; homes identified in the 1982 Complement Survey of the NMFI as "missing" from the 1982 NMFI; facilities that opened for business between 1982 and June 1984; and hospital-based nursing homes obtained from the Health Care Financing Administration. Information on the facility was collected through a personal interview with the administrator. Accountants were asked to either complete a questionnaire on expenditures or provide a financial statement. Resident data were provided by a nurse familiar with the care provided to the resident. The nurse relied on the medical record and personal knowledge of the resident. In addition to employee data that were collected during the interview with the administrator, a sample of registered nurses completed a self-administered questionnaire. Discharge data were based on information recorded in the medical record. Data were obtained from 1,079 facilities, 2,763 registered nurses, 5,243 current residents, and 6,023 discharges. Response rates were 93 percent for facilities, 68 percent for expenses, 80 percent for registered nurses, 97 percent for residents, 95 percent for discharges. Additional data about the current and discharged residents were obtained in telephone interviews with next of kin. The National Institute on Aging provided support for this component of the NNHS. The response rate was 90 percent for next of kin.

Statistics for all these surveys were derived by a ratio-estimation procedure. Statistics were adjusted for failure of a home to respond, failure to fill out one of the questionnaires, and failure to complete an item on a questionnaire.

For more information on the 1963 RPS surveys, see National Center for Health Statistics, GS Wunderlich: Characteristics of resident in institutions for the aged and chronically ill, United States, April-June 1963. *Vital and Health Statistics*. Series 12, No. 2, DHEW Pub. No. (PHS) 1000, Public Health

Service. Washington. U.S. Government Printing Office. September 1965. For more information on the 1973-74 NNHS, see National Center for Health Statistics, A Zappolo: Characteristics, social contacts, and activities of nursing home residents, United States: 1973-74 National Nursing Home Survey, *Vital and Health Statistics*, Series 13, No. 27, DHEW Pub. No. (HRA) 77-1778, Health Resources Administration, Washington. U.S. Government Printing Office. May 1977. For more information on the 1977 NNHS, see National Center for Health Statistics, JF Van Nostrand, A Zappolo, E Hing, et al.: The National Nursing Home Survey, 1977 Summary for the United States, *Vital and Health Statistics*. Series 13, No. 43, DHHS Pub. No. (PHS) 79-1794. Public Health Service. Washington. U.S. Government Printing Office. July 1979. For more information on the 1985 NNHS, see National Center for Health Statistics, E Hing, E Sekscenski, G Strahan: The National Nursing Home Survey, 1985 Summary for the United States. *Vital and Health Statistics*. Series 13, No. 97, DHHS Pub. No. (PHS) 89-1758. Public Health Service. Washington. U.S. Government Printing Office. January 1989.

National Vital Statistics System

Data on deaths

Through the National Vital Statistics System, NCHS collects and publishes data on births, deaths, marriages, and divorces in the United States. The Division of Vital Statistics obtains information on deaths from the registration offices of all States, New York City, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and Guam. Geographic coverage for deaths has been complete since 1933.

Until 1972, microfilm copies of all death certificates were received from all registration areas and processed by NCHS. Beginning in 1972, some States began sending their data to NCHS through the Cooperative Health Statistics System (CHSS).

States that participated in the CHSS program processed 100 percent of their death records and sent the entire data file to NCHS on computer tapes. Currently, the data are sent to NCHS through the Vital Statistics Cooperative Program (VSCP), following the same procedures as the CHSS. The number of participating States grew from 6 in 1972 to 46 in 1984. All 50 States and the District of Columbia have been participating in the VSCP since in 1985.

The standard certificates of birth, death, and fetal death recommended by NCHS are modified in each registration area to serve the area's needs. However, most certificates conform closely in content and arrangement to the standard certificate, and all certificates contain a minimum data set specified by NCHS.

For more information, see National Center for Health Statistics, Vital Statistics of the United States, 1988, Vol. II, Mortality part A, DHHS Pub. No. (PHS) 91-1101, Public Health Service, Washington. U.S. Government Printing Office, 1991.

Population estimates for death rates

The U.S. Bureau of the Census publishes annual population estimates needed as denominators to calculate national death rates for the white and black populations. See appendix II, table I for resident population from 1960 to 1990.

Statistical considerations

Reliability of the survey estimates

Because many of the estimates in this report are based on a sample survey, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same survey and processing procedures. There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling errors. To the extent possible, these types of errors are kept to a minimum by methods built into the survey procedures.

Rounding of numbers

In published tables, the figures are rounded to the nearest thousand. Derived statistics, such as rates and percent distributions, are computed before the estimates on which these are based have been rounded to the nearest thousand.

Estimation of standard errors

The standard error is primarily a measure of sampling error, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 68 in 100 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 95 in 100 that the difference would be less than twice the standard error and about 99 in 100 that it would be less than 2.5 times as large.

Standard errors for the computed statistics on data from the National Health Interview Survey (NHIS), the National Nursing Home Survey (NNHS), and the National Hospital Discharge Surveys (NHDS) were derived from the figures of approximate relative standard errors in the particular survey's documentation. These standard errors are provided for a wide variety of estimates rather than for a particular statistic.

The data presented on mortality are the actual population figures, not estimates.

Relative standard errors

As in other NCHS documents, a particular estimate is considered statistically unreliable, and is so indicated by an asterisk to the left of the estimate, if the relative standard error (RSE) is greater than 30 percent. The RSE of an estimate is obtained by dividing the standard error (SE) of the estimate by the estimate itself (1). The RSE is expressed as a percent of the estimate:

$$\text{RSE} = 100 \frac{\text{SE}(x)}{x}$$

For NHDS data a particular estimate is considered unreliable, and is so indicated by an asterisk, if

it is based on fewer than 30 discharges. Estimates based on 30–59 discharges are presented with an asterisk to indicate that they may not be reliable.

Tests of significance

In this report, terms relating to differences, such as “higher” and “less,” indicate that the differences are statistically significant (at 0.05 level of significance). Terms such as “similar” or “no difference” mean that no statistically significant difference exists between the estimates being compared. A lack of comment on the difference between any two estimates does not mean that the difference was tested and found not to be significant.

Statistical statement form

The validity of all statistical statements made in this document was evaluated according to protocols developed at NCHS (2). Statistical statements encountered herein are either descriptive or comparative (3). A descriptive statement is one in which only estimates of parameters are presented, and a comparative statement examines the relationship between parameters (3). Many of the statistical comparisons made in this document are single-comparison statements that do not specify the magnitude of the difference between the two parameters. For example, females 65 years of age and over have a higher incidence of respondent-reported arthritis than do males 65 years of age and over. The statistical tests performed were two-tailed tests unless the authors had an a priori one-tailed hypothesis. All statistical comparisons were tested at the 5-percent level of significance.

The format of the two-tailed statistical test is as follows:

$$Z = \left| \frac{X_m - X_f}{\sqrt{S_{x_m}^2 + S_{x_f}^2}} \right| > 1.96$$

where

X_m = respondent-reported incidence of arthritis for females

X_f = respondent-reported incidence of arthritis for males

$S_{x_m}^2$ = standard error of X_m

$S_{x_f}^2$ = standard error of X_f

If a one-tailed test was applicable, then the critical value used was 1.645.

Other statistical comparisons were multiple-comparison statements that do not specify the magnitudes of the differences between the pairs of parameters. For example, the days-of-care rate is higher for widowed persons than for married persons (3). The format of the statistical test is the same as already described, however, the critical value, which depends on the number of possible pairwise comparisons, differs from the 1.96. Using the previous example, there are five subdomains of marital status (married, single, widowed, divorced, or separated), two of which are being compared. Although the statement makes only one comparison, there are 10 possible pairwise comparisons for the marital-status subdomains, and the appropriate critical value for a two-sided test would be 2.81 (3). Tables with the appropriate critical value for a particular combination of comparisons are available in other NCHS documents (3).

References

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2. Levy PS, Sirken MG. Quality control of statistical reports. Proceedings of the American Statistical Association: Social Science Section, 356 pp. 1972.
3. Sirken MG, Shimizu BI, French DK, Brock DB. Manual on standards and procedures for reviewing statistical reports. National Center for Health Statistics, Administrative Document. 1992.

Appendix II

Definition of general terms

Social and demographic terms

Age—Age is reported as age at last birthday, that is, age in completed years, often calculated by subtracting date of birth from the reference date, with the reference date being the date of the interview or other contact with an individual, or hospital or nursing home records.

Age adjustment—Age-adjusted death rates are used to make comparisons of relative mortality risks across groups and over time. However, these rates should be viewed as constructs or indexes rather than as direct or actual measures of mortality risk. Statistically they are weighted averages of the age-specific death rates, where the weights represent the fixed population proportions by age (see: National Center for Health Statistics, M Feinleib and AO Zarate, eds. Reconsidering age adjustment procedures: Workshop proceedings. *Vital and Health Statistics*, Series 4, No. 29. 1992). The age-adjusted rates in this report were computed by the direct method, that is, by applying the age-specific death rates for a given cause of death to the U.S. standard million population (relative age distribution of 1940 enumerated population of the United States totaling 1,000,000. See table II. For more information see RD Grove and AM Hetzel. *Vital statistics rates in the United States, 1940–60*. National Center for Health Statistics. Washington: Public Health Service. 1968). By using the same standard population, the rates for the total population and for each race-sex group were adjusted separately. The age-adjusted rates were based on 10-year age groups. It is important not to compare age-adjusted death rates with crude rates.

Race—Beginning in 1976, the Federal Government's data systems classified individuals into the following racial groups: American Indian or Alaskan Native, Asian or Pacific Islander, black, and white.

Depending on the data source, the classification by race may be based on self-classification, observation by an interviewer or other persons filling out the questionnaire, hospital or nursing home records, or information recorded in a health record.

Population—The U.S. Bureau of the Census collects and publishes data on several different types of population in the United States. Various statistical systems then use the appropriate population in calculating rates.

Total population is the population of the United States, including all members of the Armed Forces living in foreign countries, Puerto Rico, Guam, and the U.S. Virgin Islands. Other Americans abroad (for example, civilian Federal employees and dependents of members of the Armed Forces or other Federal employees) are not included.

Resident population is the population of U.S. residents living in the United States. This includes members of the Armed Forces stationed in the United States and their families. It excludes foreign military, naval, and diplomatic personnel and their families located here and residing in embassies or similar quarters as well as foreigners working or studying here; and Americans living abroad. The resident population is the denominator when calculating birth and death rates and incidence of disease.

Civilian population is the resident population excluding members of the Armed Forces, however, families of members of the Armed Forces are included. This population is the denominator in rates calculated for the NCHS National Hospital Discharge Survey.

Civilian noninstitutionalized population is the civilian population not residing in institutions. Institutions include correctional institutions, detention homes, and training schools for juvenile delinquents; homes for the aged and dependent (for example, nursing homes and convalescent homes); homes for dependent and neglected children; homes and schools for the mentally or physically handicapped; homes for unwed mothers; psychiatric, tuberculosis, and chronic disease hospitals; and residential treatment centers. This population is the denominator in rates calculated for the NCHS National Health Interview Survey (NHIS).

The population estimates used for data from the 1992 NHIS are inflated to national population controls by age, race, and sex. The population controls are based on the 1980 census carried forward to 1992. Therefore, estimates may differ from 1990 census results brought forward to the survey date. Population controls incorporating census results will be used for survey estimation beginning later in the decade.

Geographic terms

Geographic division and region—The 50 States and the District of Columbia are grouped for statistical purposes by the U.S. Bureau of the Census into 4 regions. The groupings are as follows:

- Northeast—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania
- Midwest—Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas
- South—Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas
- West—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii

Metropolitan statistical area (MSA)—The definitions and titles of MSA's are established by the U.S. Office of Management and Budget with the advice of the Federal Committee on Metropolitan Statistical Areas. Generally speaking, an MSA consists of a county or group of counties containing at least one city (or twin cities) having a population of 50,000 or more, plus adjacent counties that are metropolitan in character and are economically and socially integrated with the central city. In New England, towns and cities rather than counties are the units used in defining MSA's. There is no limit to the number of adjacent counties included in the MSA as long as they are integrated with the central city, nor is an MSA limited to a single State; boundaries may cross State lines. The metropolitan population in this report is based on MSA's as defined in the 1980 census and does not include any subsequent additions or changes.

Table I. Resident population, by race, sex, and age: United States, selected years 1950–90

[Data are based on decennial census updated by data from multiple sources]

| Race, sex, and year | Total resident population | Under 1 year | 1–4 years | 5–14 years | 15–24 years | 25–34 years | 35–44 years | 45–54 years | 55–64 years | 65–74 years | 75–84 years | 85 years and over |
|---------------------|---------------------------------|-----------------|--------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|
| | Number in thousands | | | | | | | | | | | |
| All persons | | | | | | | | | | | | |
| 1950 | 150,697 | 3,147 | 13,017 | 24,319 | 22,098 | 23,759 | 21,450 | 17,343 | 13,370 | 8,340 | 3,278 | 577 |
| 1960 | 179,323 | 4,112 | 16,209 | 35,465 | 24,020 | 22,818 | 24,081 | 20,485 | 15,572 | 10,997 | 4,633 | 929 |
| 1970 | 203,212 | 3,485 | 13,669 | 40,746 | 35,441 | 24,907 | 23,088 | 23,220 | 18,590 | 12,435 | 6,119 | 1,511 |
| 1980 | 226,546 | 3,534 | 12,815 | 34,942 | 42,487 | 37,082 | 25,635 | 22,800 | 21,703 | 15,581 | 7,729 | 2,240 |
| 1981 | 229,466 | 3,607 | 13,285 | 34,361 | 42,203 | 38,901 | 26,394 | 22,580 | 21,914 | 15,890 | 7,982 | 2,349 |
| 1982 | 231,665 | 3,644 | 13,584 | 34,103 | 41,644 | 39,417 | 28,030 | 22,425 | 22,030 | 16,148 | 8,203 | 2,437 |
| 1983 | 233,791 | 3,649 | 13,898 | 33,922 | 41,020 | 40,208 | 29,267 | 22,355 | 22,112 | 16,413 | 8,429 | 2,518 |
| 1984 | 235,825 | 3,572 | 14,123 | 33,788 | 40,460 | 40,962 | 30,503 | 22,385 | 22,154 | 16,627 | 8,656 | 2,595 |
| 1985 | 237,923 | 3,679 | 14,163 | 33,692 | 39,992 | 41,696 | 31,691 | 22,459 | 22,135 | 16,859 | 8,890 | 2,667 |
| 1986 | 240,134 | 3,700 | 14,263 | 33,573 | 39,557 | 42,372 | 33,009 | 22,659 | 21,994 | 17,137 | 9,128 | 2,742 |
| 1987 | 242,289 | 3,703 | 14,349 | 33,807 | 38,890 | 42,841 | 34,226 | 23,096 | 21,751 | 17,427 | 9,376 | 2,823 |
| 1988 | 244,499 | 3,757 | 14,439 | 34,256 | 38,151 | 43,130 | 35,180 | 23,949 | 21,514 | 17,626 | 9,612 | 2,885 |
| 1989 | 246,819 | 3,858 | 14,650 | 34,714 | 37,391 | 43,236 | 36,414 | 24,633 | 21,241 | 17,864 | 9,850 | 2,968 |
| 1990 | 248,710 | 3,946 | 14,812 | 35,095 | 37,013 | 43,161 | 37,435 | 25,057 | 21,113 | 18,045 | 10,012 | 3,021 |
| 1991 | 252,177 | 4,011 | 15,210 | 35,908 | 36,399 | 42,877 | 39,272 | 25,739 | 21,005 | 18,279 | 10,314 | 3,160 |
| White male | | | | | | | | | | | | |
| 1950 | 67,129 | 1,400 | 5,845 | 10,860 | 9,689 | 10,430 | 9,529 | 7,836 | 6,180 | 3,736 | 1,406 | 218 |
| 1960 | 78,367 | 1,784 | 7,065 | 15,659 | 10,483 | 9,940 | 10,564 | 9,114 | 6,850 | 4,702 | 1,875 | 331 |
| 1970 | 86,721 | 1,501 | 5,873 | 17,667 | 15,232 | 10,775 | 9,979 | 10,090 | 7,958 | 4,916 | 2,243 | 487 |
| 1980 | 94,976 | 1,487 | 5,402 | 14,773 | 18,123 | 15,940 | 11,010 | 9,774 | 9,151 | 6,096 | 2,600 | 621 |
| 1981 | 95,890 | 1,517 | 5,572 | 14,470 | 17,926 | 16,671 | 11,313 | 9,663 | 9,224 | 6,216 | 2,681 | 637 |
| 1982 | 96,585 | 1,527 | 5,683 | 14,320 | 17,632 | 16,824 | 12,031 | 9,583 | 9,262 | 6,320 | 2,753 | 650 |
| 1983 | 97,293 | 1,528 | 5,801 | 14,208 | 17,330 | 17,127 | 12,551 | 9,534 | 9,289 | 6,435 | 2,827 | 663 |
| 1984 | 97,952 | 1,492 | 5,888 | 14,107 | 17,058 | 17,417 | 13,056 | 9,530 | 9,302 | 6,525 | 2,902 | 675 |
| 1985 | 98,635 | 1,535 | 5,897 | 14,013 | 16,828 | 17,698 | 13,538 | 9,538 | 9,290 | 6,628 | 2,982 | 688 |
| 1986 | 99,374 | 1,538 | 5,927 | 13,926 | 16,605 | 17,959 | 14,076 | 9,610 | 9,213 | 6,751 | 3,065 | 704 |
| 1987 | 100,072 | 1,530 | 5,950 | 13,998 | 16,276 | 18,106 | 14,572 | 9,791 | 9,097 | 6,877 | 3,154 | 721 |
| 1988 | 100,786 | 1,543 | 5,968 | 14,167 | 15,921 | 18,170 | 14,929 | 10,167 | 8,990 | 6,958 | 3,242 | 731 |
| 1989 | 101,535 | 1,569 | 6,030 | 14,332 | 15,565 | 18,156 | 15,417 | 10,455 | 8,870 | 7,056 | 3,335 | 750 |
| 1990 | 102,143 | 1,604 | 6,071 | 14,467 | 15,389 | 18,071 | 15,819 | 10,624 | 8,813 | 7,127 | 3,397 | 760 |
| 1991 | 103,268 | 1,591 | 6,189 | 14,766 | 15,084 | 17,892 | 16,556 | 10,892 | 8,763 | 7,212 | 3,529 | 795 |

Table I. Resident population, by race, sex, and age: United States, selected years 1950–90—Con.

[Data are based on decennial census updated by data from multiple sources]

| <i>Race, sex, and year</i> | <i>Total resident population</i> | <i>Under 1 year</i> | <i>1–4 years</i> | <i>5–14 years</i> | <i>15–24 years</i> | <i>25–34 years</i> | <i>35–44 years</i> | <i>45–54 years</i> | <i>55–64 years</i> | <i>65–74 years</i> | <i>75–84 years</i> | <i>85 years and over</i> |
|----------------------------|----------------------------------|---------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|
| White female | | | | | | | | | | | | |
| 1950 | 67,813 | 1,341 | 5,599 | 10,431 | 9,821 | 10,851 | 9,719 | 7,868 | 6,168 | 4,031 | 1,669 | 314 |
| 1960 | 80,465 | 1,714 | 6,795 | 15,068 | 10,596 | 10,204 | 11,000 | 9,364 | 7,327 | 5,428 | 2,441 | 527 |
| 1970 | 91,028 | 1,434 | 5,615 | 16,912 | 15,420 | 11,004 | 10,349 | 10,756 | 8,853 | 6,366 | 3,429 | 890 |
| 1980 | 99,835 | 1,412 | 5,127 | 14,057 | 17,653 | 15,896 | 11,232 | 10,285 | 10,325 | 7,951 | 4,457 | 1,440 |
| 1981 | 100,745 | 1,439 | 5,291 | 13,757 | 17,430 | 16,565 | 11,523 | 10,124 | 10,399 | 8,097 | 4,598 | 1,522 |
| 1982 | 101,451 | 1,449 | 5,399 | 13,600 | 17,133 | 16,676 | 12,231 | 10,008 | 10,427 | 8,219 | 4,722 | 1,587 |
| 1983 | 102,128 | 1,448 | 5,512 | 13,486 | 16,796 | 16,936 | 12,742 | 9,934 | 10,436 | 8,342 | 4,849 | 1,647 |
| 1984 | 102,755 | 1,416 | 5,592 | 13,383 | 16,494 | 17,185 | 13,236 | 9,910 | 10,423 | 8,437 | 4,976 | 1,703 |
| 1985 | 103,397 | 1,457 | 5,599 | 13,288 | 16,236 | 17,435 | 13,699 | 9,909 | 10,378 | 8,536 | 5,104 | 1,756 |
| 1986 | 104,056 | 1,460 | 5,627 | 13,204 | 15,965 | 17,656 | 14,207 | 9,963 | 10,278 | 8,657 | 5,232 | 1,807 |
| 1987 | 104,697 | 1,453 | 5,648 | 13,269 | 15,604 | 17,790 | 14,674 | 10,128 | 10,121 | 8,785 | 5,363 | 1,862 |
| 1988 | 105,342 | 1,465 | 5,666 | 13,422 | 15,214 | 17,850 | 15,005 | 10,495 | 9,968 | 8,867 | 5,484 | 1,906 |
| 1989 | 106,005 | 1,492 | 5,724 | 13,579 | 14,817 | 17,830 | 15,457 | 10,780 | 9,793 | 8,968 | 5,604 | 1,961 |
| 1990 | 106,561 | 1,524 | 5,762 | 13,706 | 14,599 | 17,757 | 15,834 | 10,946 | 9,698 | 9,048 | 5,687 | 2,001 |
| 1991 | 107,631 | 1,511 | 5,877 | 13,991 | 14,296 | 17,568 | 16,542 | 11,218 | 9,585 | 9,125 | 5,827 | 2,090 |
| Black male | | | | | | | | | | | | |
| 1950 | 7,300 | --- | --- | 1,442 | 1,162 | 1,105 | 1,003 | 772 | 460 | 299 | --- | --- |
| 1960 | 9,114 | 281 | 1,082 | 2,185 | 1,305 | 1,120 | 1,086 | 891 | 617 | 382 | 137 | 29 |
| 1970 | 10,748 | 245 | 975 | 2,784 | 2,041 | 1,226 | 1,084 | 979 | 739 | 461 | 169 | 46 |
| 1980 | 12,585 | 269 | 967 | 2,614 | 2,807 | 1,967 | 1,235 | 1,024 | 854 | 567 | 228 | 53 |
| 1981 | 12,825 | 270 | 1,011 | 2,579 | 2,828 | 2,105 | 1,274 | 1,031 | 864 | 572 | 235 | 56 |
| 1982 | 13,002 | 273 | 1,032 | 2,576 | 2,816 | 2,186 | 1,337 | 1,035 | 872 | 576 | 241 | 58 |
| 1983 | 13,171 | 273 | 1,055 | 2,574 | 2,802 | 2,260 | 1,397 | 1,045 | 879 | 579 | 247 | 60 |
| 1984 | 13,333 | 267 | 1,068 | 2,582 | 2,784 | 2,329 | 1,469 | 1,056 | 884 | 582 | 251 | 61 |
| 1985 | 13,505 | 276 | 1,067 | 2,599 | 2,768 | 2,391 | 1,543 | 1,069 | 887 | 586 | 257 | 62 |
| 1986 | 13,687 | 280 | 1,076 | 2,594 | 2,769 | 2,452 | 1,629 | 1,082 | 889 | 591 | 262 | 63 |
| 1987 | 13,869 | 287 | 1,086 | 2,612 | 2,750 | 2,507 | 1,707 | 1,105 | 888 | 596 | 267 | 64 |
| 1988 | 14,057 | 297 | 1,103 | 2,640 | 2,723 | 2,550 | 1,789 | 1,132 | 885 | 602 | 271 | 65 |
| 1989 | 14,258 | 315 | 1,135 | 2,671 | 2,687 | 2,579 | 1,883 | 1,157 | 881 | 609 | 275 | 66 |
| 1990 | 14,420 | 322 | 1,164 | 2,700 | 2,669 | 2,592 | 1,962 | 1,175 | 878 | 614 | 277 | 66 |
| 1991 | 14,753 | 343 | 1,225 | 2,767 | 2,648 | 2,602 | 2,093 | 1,205 | 886 | 631 | 282 | 69 |

Table I. Resident population, by race, sex, and age: United States, selected years 1950–90—Con.

[Data are based on decennial census updated by data from multiple sources]

| <i>Race, sex, and year</i> | <i>Total resident population</i> | <i>Under 1 year</i> | <i>1–4 years</i> | <i>5–14 years</i> | <i>15–24 years</i> | <i>25–34 years</i> | <i>35–44 years</i> | <i>45–54 years</i> | <i>55–64 years</i> | <i>65–74 years</i> | <i>75–84 years</i> | <i>85 years and over</i> |
|----------------------------|----------------------------------|---------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|
| Black female | | | | | | | | | | | | |
| 1950 | 7,745 | --- | --- | 1,446 | 1,300 | 1,260 | 1,112 | 796 | 443 | 322 | --- | --- |
| 1960 | 9,758 | 283 | 1,085 | 2,191 | 1,404 | 1,300 | 1,229 | 974 | 663 | 430 | 160 | 38 |
| 1970 | 11,832 | 243 | 970 | 2,773 | 2,196 | 1,456 | 1,309 | 1,134 | 868 | 582 | 230 | 71 |
| 1980 | 14,046 | 266 | 951 | 2,578 | 2,937 | 2,267 | 1,488 | 1,258 | 1,059 | 776 | 360 | 106 |
| 1981 | 14,308 | 266 | 993 | 2,541 | 2,946 | 2,412 | 1,530 | 1,261 | 1,077 | 793 | 376 | 113 |
| 1982 | 14,509 | 270 | 1,014 | 2,532 | 2,927 | 2,498 | 1,601 | 1,264 | 1,090 | 805 | 390 | 118 |
| 1983 | 14,697 | 268 | 1,037 | 2,526 | 2,904 | 2,576 | 1,667 | 1,273 | 1,103 | 815 | 404 | 124 |
| 1984 | 14,878 | 263 | 1,047 | 2,532 | 2,875 | 2,647 | 1,747 | 1,284 | 1,113 | 824 | 417 | 129 |
| 1985 | 15,063 | 271 | 1,045 | 2,547 | 2,845 | 2,711 | 1,828 | 1,298 | 1,121 | 833 | 431 | 133 |
| 1986 | 15,256 | 275 | 1,053 | 2,541 | 2,830 | 2,767 | 1,921 | 1,313 | 1,128 | 844 | 446 | 138 |
| 1987 | 15,456 | 281 | 1,061 | 2,557 | 2,803 | 2,820 | 2,007 | 1,336 | 1,133 | 854 | 460 | 144 |
| 1988 | 15,667 | 291 | 1,079 | 2,583 | 2,771 | 2,863 | 2,094 | 1,366 | 1,133 | 864 | 474 | 149 |
| 1989 | 15,887 | 309 | 1,110 | 2,613 | 2,726 | 2,892 | 2,195 | 1,395 | 1,132 | 876 | 486 | 153 |
| 1990 | 16,063 | 316 | 1,137 | 2,641 | 2,700 | 2,905 | 2,279 | 1,416 | 1,135 | 884 | 495 | 156 |
| 1991 | 16,412 | 334 | 1,196 | 2,702 | 2,668 | 2,914 | 2,424 | 1,456 | 1,143 | 905 | 504 | 163 |

NOTES: The race groups, white and black, include persons of both Hispanic and non-Hispanic origin. Population figures are census counts as of April 1 for 1950, 1960, 1970, 1980, and 1990 and estimates as of July 1 for other years. Data for the 1980's are intercensal population estimates and differ from postcensal population estimates in previous editions of *Health, United States*. See appendix I.

SOURCE: *Health, United States, 1992*.

Table II. Standard million age distribution used to adjust death rates to the U.S. population in 1940

| <i>Age</i> | <i>Standard million</i> |
|-------------------------|-------------------------|
| All ages | 1,000,000 |
| Under 1 year | 15,343 |
| 1-4 years | 64,718 |
| 5-14 years | 170,355 |
| 15-24 years | 181,677 |
| 25-34 years | 162,066 |
| 35-44 years | 139,237 |
| 45-54 years | 117,811 |
| 55-64 years | 80,294 |
| 65-74 years | 48,426 |
| 75-84 years | 17,303 |
| 85 years and over | 2,770 |

Table III. Revision of the *International Classification of Diseases*, by year of conference by which adopted and years in use in United States

| <i>Revision of the International Classification of Diseases</i> | <i>Year of conference by which adopted</i> | <i>Years in use in United States</i> |
|---|--|--------------------------------------|
| First | 1900 | 1900-1909 |
| Second | 1909 | 1910-1920 |
| Third | 1920 | 1921-1929 |
| Fourth | 1929 | 1930-1938 |
| Fifth | 1938 | 1939-1948 |
| Sixth | 1948 | 1949-1957 |
| Seventh | 1955 | 1958-1967 |
| Eighth | 1965 | 1968-1978 |
| Ninth | 1975 | 1979-present |

Table IV. Cause-of-death codes, according to applicable revision of *International Classification of Diseases*

| <i>Cause of death</i> | <i>Code numbers</i> | | |
|--------------------------------|-------------------------|-------------------------|-----------------------|
| | <i>Seventh Revision</i> | <i>Eighth Revision</i> | <i>Ninth Revision</i> |
| Diseases of heart | 400-402, 410-443 | 390-398,402,404,410-429 | 390-398,402,404-429 |
| Cerebrovascular diseases | 330-334 | 430-438 | 430-438 |
| Malignant neoplasms | 140-205 | 140-209 | 140-208 |
| Respiratory system | 160-164 | 160-163 | 160-165 |
| Colon | 153 | 153 | 153 |
| Breast | 170 | 174 | 174,175 |
| Prostate | 177 | 185 | 185 |

Table V. First-listed diagnosis and code number inclusions based on the *International Classification of Diseases, 8th Revision adapted for use in the United States*, and the *International Classification of Diseases, 9th Revision, Clinical Modification*

| <i>Diagnosis</i> | <i>8th Revision</i> | <i>9th Revision</i> |
|--|---|--|
| Septicemia | --- | 038 |
| Malignant neoplasms | 140-209 | 140-208,230-234 |
| Malignant neoplasms of colon and rectum | 153-154,197.5 | 153-154,197.5 |
| Malignant neoplasms of trachea, bronchus, and lung | 162,197.0,197.3 | 162,197.0,197.3 |
| Malignant neoplasms of the breast | 174 | 174-175,198.81 |
| Malignant neoplasms of the prostate | 185 | 185 |
| Diabetes mellitus | 250 | 250 |
| Volume depletion | --- | 276.5 |
| Heart disease | 391,392.0,393-398, 402-404,410-414, 420-429 | 391-392.0,393-398 402,404,410-416, 420-429 |
| Acute myocardial infarction | 410 | 410 |
| Coronary atherosclerosis | --- | 414.0 |
| Other ischemic heart disease | 411-414 | 411-413,414.1-414.9 |
| Cardiac dysrhythmias | 427.2,427.4-427.9 | 427 |
| Congestive heart failure | 427.0 | 428.0 |
| Cerebrovascular disease | 430-438 | 430-438 |
| Pneumonia | 480-486 | 480-486 |
| Cholelithiasis | 574 | 574 |
| Urinary tract infection, site unspecified | 599.0 | 599.0 |
| Hyperplasia of the prostate | 600 | 600 |
| Arthropathies and related disorders | 710-718 | 710-719 |
| Injury and poisoning | 800-999 | 800-999 |
| Fractures, all sites | 800-829 | 800-829 |
| Hip fracture | 820 | 820 |

Table VI. Codes for surgical and nonsurgical categories from the *International Classification of Diseases, 9th Revision, Clinical Modification*

| <i>Category</i> | <i>Code</i> |
|---|--------------------------------|
| Lens extraction | 13.1-13.6 |
| Bronchoscopy with or without biopsy ¹ | 33.21-33.24,33.27 |
| Removal of coronary artery obstruction | 36.0 |
| Coronary artery bypass graft | 36.1 |
| Cardiac catheterization | 37.21-37.23 |
| Insertion, replacement, removal, and revision of pacemaker leads or devices | 37.7-37.8 |
| Endoscopy of small intestine with or without biopsy | 45.11-45.14,45.16 |
| Endoscopy of large intestine with or without biopsy | 45.21-45.25 |
| Cholecystectomy | 51.2 |
| Prostatectomy | 60.2-60.6 |
| Open reduction of fracture with internal fixation | 79.3 |
| Total and partial hip replacement ² | 81.51-81.52 |
| Total knee replacement ³ | 81.54 |
| Mastectomy | 85.4 |
| Miscellaneous diagnostic and therapeutic procedure | 87-99 |
| Computerized axial tomography | 87.03,87.41,87.71,88.01,88.38, |
| Arteriography and angiocardiology using contrast material | 88.4-88.5 |
| Diagnostic ultrasound | 88.7 |
| Circulatory monitoring | 89.6 |
| Radioisotope scan | 92.0-92.1 |
| Respiratory therapy | 93.9 |

¹For 1980 and 1985, codes used for this category are 33.21-33.23 for bronchoscopy, based on previous editions of the ICD-9-CM.

²For 1980 and 1985, codes used for this category are 81.5-81.6 excluding 81.69 based on previous editions of the ICD-9-CM.

³For 1980 and 1985, codes used for this category are 81.41-81.47 for arthroplasty and replacement of knee, based on previous editions of the ICD-9-CM.

NOTE: ICD-9-CM is *International Classification of Diseases, 9th Revision, Clinical Modification*.

Table VII. Procedure codes from the *International Classification of Diseases, 9th Revision, Clinical Modification* not used in the National Hospital Discharge Survey for 1980, 1985, and 1990

For 1980 as follows:

01.18–01.19, 03.39, 04.19, 05.19, 06.19, 07.19, 08.19, 08.91–08.93, 09.19, 09.41–09.49, 10.29, 11.29, 12.29, 14.19, 15.09, 16.21, 16.29, 18.01, 18.11, 18.19, 20.39, 21.21, 21.29, 22.19, 24.19, 25.09, 25.91, 26.19, 27.29, 27.91, 28.19, 29.19, 31.48–31.49, 33.28–33.29, 34.28–34.29, 37.29, 38.29, 40.19, 41.38–41.39, 42.29, 44.19, 45.19, 45.28–45.29, 48.23, 48.29, 49.21, 49.29, 49.41, 50.19, 51.19, 52.19, 54.29, 55.29, 56.39, 57.39, 58.29, 59.29, 60.18, 61.19, 62.19, 63.09, 64.0, 64.19, 64.91, 64.94, 65.19, 66.19, 67.19, 68.19, 69.92, 70.21, 70.29, 71.19, 73.6, 73.91–73.92, 75.35, 76.19, 78.8, 81.98, 83.29, 85.19, 86.19, 86.92, 87.09–87.12, 87.16–87.17, 87.22–87.29, 87.36–87.37, 87.39, 87.43–87.49, 87.69, 87.79, 87.85–87.89, 87.92, 87.95–87.99, 88.09, 88.16–88.31, 88.33, 88.35, 88.37, 88.39, 89.01–89.13, 89.15–89.16, 89.26–89.31, 89.33–89.39, 89.45–89.53, 89.55–89.59, 89.66, 89.7, 90.01–91.99, 93.01–93.25, 93.27–93.28, 93.31–93.39, 93.42–93.44, 93.61–93.91, 93.94, 93.96, 93.99–94.23, 94.25, 94.29–95.03, 95.05–95.11, 95.14–95.15, 95.31–95.49, 96.09–96.19, 96.26–96.28, 96.34–97.04, 97.14–97.69, 97.71, 97.72–97.89, 99.02–99.24, 99.26–99.59, 99.71–99.79, 99.82–99.99

For 1985 as follows:

08.19, 16.21, 18.01, 18.11, 18.19, 21.21, 21.29, 22.19, 24.19, 25.09, 25.91, 26.19, 27.29, 27.91, 29.19, 31.48–31.49, 37.29, 41.38–41.39, 42.29, 44.19, 45.19, 45.28–45.29, 48.23, 48.29, 49.21, 49.29, 49.41, 58.29, 61.19, 64.19, 64.91, 64.94, 69.92, 70.21, 73.91–73.92, 75.35, 85.19, 86.19, 86.92, 87.09–87.12, 87.16–87.17, 87.22–87.29, 87.36–87.37, 87.39, 87.43–87.49, 87.69, 87.79, 87.85–87.89, 87.92, 87.95–87.99, 88.09, 88.16–88.31, 88.33, 88.35, 88.37, 88.39, 89.01–89.13, 89.15–89.16, 89.26–89.31, 89.33–89.39, 89.45–89.53, 89.55–89.59, 89.66, 89.7, 90.01–91.99, 93.01–93.25, 93.27–93.28, 93.31–93.39, 93.42–93.44, 93.61–93.91, 93.94, 93.96, 93.99–94.23, 94.25, 94.29–95.03, 95.05–95.11, 95.14–95.15, 95.31–95.49, 96.09–96.19, 96.26–96.28, 96.34–97.04, 97.14–97.69, 97.72–97.89, 99.02–99.24, 99.26–99.59, 99.71–99.79, 99.82–99.99

For 1990 as follows:

87.09, 87.11–87.12, 87.16–87.17, 87.22–87.29, 87.39, 87.43–87.49, 87.85, 87.89, 87.92, 87.95, 87.99, 88.09, 88.16, 88.19, 88.21–88.29, 88.31, 88.33, 88.35, 88.37, 88.39, 89.01–89.09, 89.11–89.13, 89.15–89.16, 89.26, 89.29, 89.31, 89.33–89.39, 89.7, 89.8, 90.01–90.99, 91.01–91.99, 93.01–93.09, 93.11–93.19, 93.21–93.25, 93.27, 93.28, 93.31–93.39, 93.61–93.67, 93.71–93.78, 93.81–93.89, 94.01–94.19, 94.21–94.23, 94.29, 94.31–93.39, 94.41–94.49, 94.51–94.59, 95.01–95.03, 95.05–95.09, 98.14–95.15, 95.31–95.36, 95.41–95.48, 96.11–96.19, 96.26–96.28, 96.34–96.39, 96.41–96.48, 96.51–96.59, 96.6, 97.01–97.04, 97.14–97.16, 97.21–97.29, 97.31–97.39, 97.41–97.49, 97.51–97.59, 97.61–97.69, 97.72–97.79, 97.81–97.87, 97.89, 99.12–99.13, 99.14, 99.16–99.18, 99.26–99.29, 99.31–99.39, 99.41–99.48, 99.51–99.59

Table VIII. *International Classification of Diseases, 9th Revision, Clinical Modification* codes for diagnostic and nonsurgical procedures for 1980, 1985, 1990, and 1991

For 1980 and 1985:

03.31, 11.21, 12.21, 14.11, 16.22, 20.31, 29.11, 31.41–31.42, 33.21–33.23, 34.21–34.22, 39.95, 42.21–42.23, 44.11–44.13, 45.11–45.13, 45.21–45.24, 48.21–48.22, 51.11, 54.21, 55.21–55.22, 56.31, 57.31–57.32, 58.21–58.22, 60.19, 68.11–68.12, 70.22, 80.20–80.29, 87.01–99.99

For 1990 and 1991:

01.18–01.19, 03.31, 03.39, 04.19, 05.19, 06.19, 07.19, 08.19, 09.19, 09.41–09.49, 10.29, 11.29, 12.29, 14.19, 15.09, 16.21, 16.29, 18.01, 18.11, 18.19, 20.31, 20.39, 21.00–21.02, 21.21, 21.29, 22.19, 24.19, 25.09, 26.19, 27.29, 28.19, 29.11, 29.19, 31.41–31.42, 31.48–31.49, 33.21–33.23, 33.29, 34.21–34.22, 34.28–34.29, 37.26–37.27, 37.29, 38.29, 39.95, 40.19, 41.38–41.39, 42.22–42.23, 42.29, 44.11–44.13, 44.19, 45.11–45.13, 45.19, 45.21–45.24, 45.28–45.29, 48.21–48.23, 48.29, 49.21, 49.29, 50.19, 51.10–51.11, 51.19, 52.19, 54.21, 54.29, 55.21–55.22, 55.29, 56.31, 56.35, 56.39, 57.31–57.32, 57.39, 57.94–57.95, 58.21–58.22, 58.29, 59.29, 60.18–60.19, 61.19, 62.19, 63.09, 64.19, 64.94, 65.19, 66.19, 67.19, 68.11, 68.19, 69.92, 70.21–70.22, 70.29, 71.19, 73.4, 73.51–73.59, 73.91–73.92, 75.31–75.32, 75.34–75.35, 75.94, 76.19, 78.80–78.89, 80.20–80.29, 81.98, 83.29, 84.41–84.43, 84.45–84.47, 85.19, 86.19, 86.92, 87–99

Appendix III

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Tables in this report are available on diskette from the Government Printing Office (GPO) and National Technical Information Service (NTIS) for use with IBM-compatible personal computers. The tables are in Lotus 1-2-3 worksheet files. Lotus 1-2-3 version 2 or higher, or any program that can read WK1 files (e.g., Lotus Symphony and Microsoft Excel) is required to use these spreadsheets. The files have been compressed. To install these tables on your computer requires a minimum of 70 kilobytes of free memory, PC-DOS or MS-DOS version 2.0 or higher, and approximately 2 megabytes of hard disk space. Directions for decompression and copying the tables to your hard disk will be provided with the diskette(s).

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Appendix IV

Guide to Tables

| | <i>Sex</i> | <i>Race</i> | <i>Oldest-old</i> | <i>ADL, IADL</i> |
|-----------|---|---|---|------------------|
| Chapter 1 | | | | 1-8 |
| Chapter 2 | 1-9,12,13, 16,17,20, 21,24,25, 28,29 | 1-7,10,11, 14,15,18, 19,22,23, 26,27,30, 31 | 1-9,12,13, 16,17,20, 21,24,25, 28,29 | 2,3 |
| Chapter 3 | 1-7 | 1-9 | 1-9 | |
| Chapter 4 | 1-3,7,8 | 4-6,9,10 | 1-3,7,8 | |
| Chapter 5 | 1-6 | 1 | 1-6 | 2,5 |
| Chapter 6 | 4 | 4 | 4 | |

| | <i>Long-term care</i> | <i>Hospital care</i> | <i>Chronic conditions</i> | <i>Heart disease</i> |
|-----------|-----------------------|----------------------|---------------------------|----------------------|
| Chapter 1 | 5,6,10 | 5,6,10 | | 16-19 |
| Chapter 2 | | | 8-31 | 3 |
| Chapter 3 | | | 3-9 | 1-6 |
| Chapter 4 | | 1-10 | 1-6 | |
| Chapter 5 | 1-6 | | | |
| Chapter 6 | 2,3 | 2,3 | | |

| | <i>Cancer</i> | <i>Stroke</i> | <i>Diabetes</i> | <i>Respiratory disease</i> | <i>Arthritis</i> |
|-----------|-----------------|---------------|-----------------|----------------------------|------------------|
| Chapter 1 | | | | | 12-15 |
| Chapter 2 | 12-15, 20-23 | 16-19 | 24-27 | 20-23 | |
| Chapter 3 | 5-9 | 4 | | 6 | |
| Chapter 4 | 1-6 | 1-6 | 1-6 | 1-6 | 1-6 |
| Chapter 5 | | | | | |
| Chapter 6 | | | | | |

NOTES: ADL is activity of daily living. IADL is instrumental activity of daily living.

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