

# **Employees in Nursing Homes in the United States: 1977 National Nursing Home Survey**

Statistics on nursing home employees including hourly wages, employment experience, education, age, sex, and race or ethnicity according to certification, ownership, bed size, and regional location of the homes. Based on data collected in the 1977 National Nursing Home Survey.

DHHS Publication No. (PHS) 81-1820

---

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Office of Health Research, Statistics, and Technology  
National Center for Health Statistics  
Hyattsville, Md.      February 1981



### Library of Congress Cataloging in Publication Data

Sirrocco, Alvin.

Employees in nursing homes in the United States, 1977.

(Vital and health statistics : Series 14, Data from the National Health Survey ; no. 25)  
(DHHS publication ; no. (PHS) 81-1820)

Includes bibliographical references.

Supt. of Docs. no.: HE 20.6209:14/25

1. Nursing homes—United States—Employees—Statistics. I. Title. II. Series: United States. National Center for Health Statistics. Vital and health statistics : Series 14, Data from the National Health Survey, Data on health resources, manpower, and facilities ; no. 25. III. Series: United States. Dept. of Health and Human Services. DHHS publication ; no. (PHS) 81-1820. [DNLM: 1. Nursing homes—United States—Statistics. 2. Personnel, Hospital—United States—Statistics. W2 A N148vn no. 25]

RA997.S56

331.7'6136216'0973

80-607872

ISBN 0-8406-0213-8

# NATIONAL CENTER FOR HEALTH STATISTICS

DOROTHY P. RICE, *Director*

ROBERT A. ISRAEL, *Deputy Director*

JACOB J. FELDMAN, Ph.D., *Acting Associate Director for Analysis and Epidemiology*

GAIL F. FISHER, Ph.D., *Acting Associate Director for the Cooperative Health Statistics System*

GARRIE J. LOSEE, *Acting Associate Director for Data Processing and Services*

ALVAN O. ZARATE, Ph.D., *Assistant Director for International Statistics*

E. EARL BRYANT, *Acting Associate Director for Interview and Examination Statistics*

ROBERT C. HUBER, *Acting Associate Director for Management*

MONROE G. SIRKEN, Ph.D., *Acting Associate Director for Research and Methodology*

PETER L. HURLEY, *Acting Associate Director for Vital and Health Care Statistics*

ALICE HAYWOOD, *Information Officer*

## DIVISION OF HEALTH CARE STATISTICS

W. EDWARD BACON, Ph.D., *Acting Director*

JAMES E. DeLOZIER, *Chief, Ambulatory Care Statistics Branch*

EVELYN MATHIS, *Acting Chief, Long-Term Care Statistics Branch*

JOSEPH P. BARBANO, *Chief, Health Professions Statistics Branch*

W. EDWARD BACON, Ph.D., *Acting Chief, Hospital Care Statistics Branch*

MANOOCHHEHR K. NOZARY, *Chief, Technical Services Branch*

STEWART C. RICE, *Chief, Family Planning Statistics Branch*

Vital and Health Statistics-Series 14-No. 25

---

DHHS Publication No. (PHS) 81-1820

Library of Congress Catalog Card Number 80-607872

# CONTENTS

Introduction .....	1
Scope of Report .....	1
Background .....	1
Qualifications of the Data .....	1
Facility Data .....	2
Utilization .....	2
Changes from the 1973-74 National Nursing Home Survey .....	4
Staff Data .....	4
Total Staff .....	4
Administrative and Medical Staff .....	5
Nursing Staff .....	6
Therapeutic Staff .....	8
References .....	10
List of Detailed Tables .....	11
Appendixes	
I. Technical Notes on Methods .....	26
II. Definition of Certain Terms Used in This Report .....	36
III. Survey Instruments Used in the Facility and Staff Portion of the 1977 National Nursing Home Survey .....	41

## LIST OF TEXT TABLES

A. Average bed capacity and occupancy rate of nursing homes, by selected nursing home characteristics: United States, 1977 .....	2
B. Median duration of resident's stay in nursing homes and number and rate of discharges per 100 beds, by selected nursing home characteristics: United States, 1977 .....	3
C. Number of nursing homes, beds, and residents, by selected nursing home characteristics: United States, 1973-74 and 1977 .....	5
D. Number of full-time and part-time administrative and medical employees in nursing homes, by occupational categories: United States, 1977 .....	6
E. Number of full-time and part-time therapeutic employees in nursing homes, by occupational categories: United States, 1977 .....	8
F. Number of full-time and part-time therapeutic employees in nursing homes, by selected employee characteristics: United States, 1977 .....	8

### SYMBOLS

Data not available-----	---
Category not applicable-----	...
Quantity zero-----	-
Quantity more than 0 but less than 0.05----	0.0
Figure does not meet standards of reliability or precision-----	*

# EMPLOYEES IN NURSING HOMES IN THE UNITED STATES: 1977 NATIONAL NURSING HOME SURVEY

Al Sirrocco, Division of Health Care Statistics

## INTRODUCTION

### Scope of Report

Between May and December 1977, the National Center for Health Statistics, through the Division of Health Resources Utilization Statistics, conducted a nationwide sample survey of nursing homes, their residents, discharges, and staff within the conterminous United States. This survey, the 1977 National Nursing Home Survey, included all types of nursing homes regardless of their intensity of service or their participation in Medicare or Medicaid programs.

This report concentrates on the characteristics and distribution of nursing home employees, with secondary emphasis given to characteristics and distribution of the nursing homes themselves. The presentation includes data on employees' age, sex, race or ethnicity, education, work experience, and salaries. Also presented are such facility items as certification, ownership, region, number of beds, number of residents, occupancy rates, and staff ratios.

The text of this report is limited to selected findings from the employee and facility data. The tables, on the other hand, present a more comprehensive look at the whole spectrum of employee data gathered in the survey.

### Background

Since 1963 the National Center for Health Statistics has employed two types of surveys to gather nursing home data: universe surveys and sample surveys.

During universe surveys a mailout questionnaire is used to elicit basic information on characteristics of all known nursing homes in the United States. A series of universe surveys, called Master Facility Inventory Surveys, has been conducted (1963,<sup>1</sup> 1967,<sup>2</sup> 1969,<sup>3</sup> 1971,<sup>4</sup> 1973,<sup>5</sup> and 1976<sup>6</sup>). A special ad hoc universe survey, conducted in 1968,<sup>7</sup> obtained more detailed information than did the national surveys.

However, the more detailed and time-consuming surveys are perhaps more efficiently conducted as sample surveys, which cover only a small fraction of the total universe and can be conducted via personal interviews rather than mailings. This technique has been used a number of times by the National Center for Health Statistics to collect nursing home data (1963,<sup>8</sup> 1964,<sup>9</sup> and 1969<sup>10</sup>). The universe used to draw the samples for these surveys has in each case been the most recent national Master Facility Inventory listing, updated with newly opened nursing homes.

An expanded sample survey was conducted in 1973-74,<sup>11</sup> for which separate questionnaires were designed to incorporate facility, resident, employee, and expense data. The 1973-74 survey was the first National Nursing Home Survey. This report deals with the most recent in this line of surveys, the 1977 National Nursing Home Survey.

### Qualifications of the Data

A basic knowledge of the survey design is essential to interpret the data in this report (see

appendix I for details). The survey design was a stratified two-stage probability sample. The first stage was a selection of facilities, and the second stage was a selection of staff (as well as residents and discharges) from the sampled facilities (see appendix II for definitions of these terms). Data on facility characteristics were obtained by interviews with the administrators, based on a Facility Questionnaire. Staff data were obtained by leaving a Staff Questionnaire for the sampled staff person to complete and return by mail. The questionnaires are shown in appendix III. Only those employees providing direct health-related services to residents were eligible for sampling.

The response rates for facility and staff data were 95 and 81 percent, respectively. Statistics presented in this report were adjusted for facility and staff nonresponse (i.e., failure to complete the Facility or Staff Questionnaires). Those items left unanswered on a partially completed questionnaire were generally imputed by assigning a value from a responding unit that had major characteristics identical to those of the nonresponding unit.

Trend comparisons will inevitably be made between findings from the 1973-74 survey<sup>12</sup> and the 1977 survey. *Before making trend comparisons, the following qualifications should be noted:*

- The 1977 survey included *all* types of nursing homes; the 1973-74 survey excluded those nursing homes providing personal care (without nursing) or domiciliary care.
- The procedures used to estimate the number of employees differed slightly from those used in the previous survey; the 1977 estimates are based on a *sample* of employees from each sample facility, while the 1973-74 estimates are based on *all* staff in each sample facility.

## FACILITY DATA

### Utilization

The 1977 survey identified approximately 18,900 nursing homes and 1,402,400 nursing

home beds. Table 1 gives the number and percent distribution of homes, beds, and residents, by ownership, certification, bed size, and geographic region. The reader may find it useful to refer to this table when studying the staff data.

The average nursing home capacity was 74 beds. Table A shows how this average changes according to various characteristics of the home. For instance, government-owned nursing homes had an average capacity of 136 beds, while those under proprietary ownership had 67 beds. Homes certified as both skilled and intermediate had an average of 119 beds, while noncertified homes had an average of 35 beds. Homes in the West Region had an average of 53 beds, while the other three regions were in the 78- to 82-bed range.

Table A. Average bed capacity and occupancy rate of nursing homes, by selected nursing home characteristics: United States, 1977

Nursing home characteristic	Average bed capacity	Occupancy rate
	Number	Percent
All nursing homes.....	74	89
<u>Ownership</u>		
Proprietary.....	67	90
Voluntary nonprofit.....	87	87
Government.....	136	87
<u>Certification</u>		
Skilled nursing facility only.....	82	92
Skilled nursing facility and intermediate care facility.....	119	89
Intermediate care facility only.....	65	87
Not certified.....	35	89
<u>Bed size</u>		
Less than 50 beds.....	23	93
50-99 beds.....	72	90
100-199 beds.....	130	88
200 beds or more.....	284	87
<u>Location</u>		
Northeast.....	81	91
North Central.....	82	90
South.....	78	87
West.....	53	87

The average occupancy rate for nursing homes was 89 percent, but this average did not fluctuate by characteristics of the home as did average bed capacity.

The turnover rate (discharges per bed) in nursing homes was about 80 discharges for every 100 beds, and the median duration of a resident's stay was 75 days. Table B indicates that, within each of the nursing home characteristics presented, substantial variations occur with the latter statistic.

Residents in nonprofit nursing homes stayed an average of 50 days, compared with stays of 80 days or more in homes under other types of ownership. Homes providing skilled nursing care (with or without intermediate care) had substantially shorter lengths of stay than either intermediate care or noncertified homes. This can be accounted for by the Social Security Adminis-

tration's regulations concerning reimbursement in skilled nursing facilities, which limit the number of days for which a person's expenses are paid. Also skilled nursing care is oriented to rehabilitation rather than to maintenance.<sup>13</sup>

The average length of a resident's stay also appeared to be influenced by the nursing homes' bed size and regional location. The small homes (less than 50 beds) had an average stay of 47 days, while the large homes (200 beds or more) had an average of 103 days. A 39-day average was reported in the West Region, while the three other regions ranged between 78 and 99 days. It should be noted, however, that the West Region characteristically had smaller homes, which would account for some of the regional difference.

The turnover rate is a relative measure of patient flow through the nursing home system.

Table B. Median duration of resident's stay in nursing homes and number and rate of discharges per 100 beds, by selected nursing home characteristics: United States, 1977

Nursing home characteristic	Median duration of resident's stay in days	Discharges	
		Number	Rate per 100 beds
All nursing homes.....	75	1,117,500	80.4
<u>Ownership</u>			
Proprietary.....	80	803,100	83.3
Voluntary nonprofit.....	50	225,100	77.1
Government.....	84	89,200	66.5
<u>Certification</u>			
Skilled nursing facility only.....	38	379,000	129.8
Skilled nursing facility and intermediate care facility.....	82	448,400	82.5
Intermediate care facility only.....	176	210,400	54.4
Not certified.....	111	79,600	47.4
<u>Bed size</u>			
Less than 50 beds.....	47	150,000	81.6
50-99 beds.....	81	323,800	78.0
100-199 beds.....	66	479,500	89.1
200 beds or more.....	103	164,200	64.9
<u>Location</u>			
Northeast.....	78	247,100	79.4
North Central.....	99	336,600	70.1
South.....	95	270,900	72.1
West.....	39	262,800	118.2

NOTE: Figures may not add to totals due to rounding.



For this report, turnover rate was calculated using the number of discharges per 100 beds instead of admissions per 100 beds (as was used in the 1973-74 National Nursing Home Survey reports). This was done because methodological differences in collecting admission data and discharge data during the 1977 survey made the discharge data a better measure of turnover.

As noted in a previous report,<sup>13</sup> nursing home utilization patterns are particularly influenced by certification status, with a higher turnover rate expected for skilled nursing facilities than for intermediate care facilities. The results from this survey tended to bear this out. The turnover rates for calendar year 1976 showed skilled nursing facilities had 129.8 discharges per 100 beds, combined skilled nursing and intermediate care facilities had 82.5 discharges per 100 beds, intermediate care facilities had 54.4 discharges per 100 beds, and noncertified homes had 47.4 discharges per 100 beds.

The 1,303,100 residents residing in nursing homes at the time of the 1977 survey were attended to by 647,700 full-time equivalent employees,<sup>a</sup> a rate of approximately 50 employees per 100 residents. Most of these employees were in the nursing field (577,000) with the majority being nurse's aides (424,900). The corresponding full-time equivalent staff per resident rates were 33 nurse's aides, 5 registered nurses, and 7 licensed practical nurses per 100 residents, respectively.

While employee per resident rates are useful in measuring the coverage allocated to residents at the time of the survey, perhaps a more reliable measure is employees per beds, since beds are static elements. Another advantage of using employees per beds is that the resulting rate gives the home's coverage at capacity level. Table 2 presents these rates by various characteristics of the nursing home.

### **Changes from the 1973-74 National Nursing Home Survey**

The qualifications mentioned earlier should be duly noted before any conclusions are drawn

---

<sup>a</sup>A full-time equivalent employee = full-time employees + part-time employee hours/35 hours.

regarding the changes that occurred between the 1973-74 and the 1977 surveys.

Since the eligibility criteria were different for the two surveys, trend comparisons are not recommended. The 15,700 homes reported in the 1973-74 survey represented only those homes that provided nursing services. The 18,900 homes reported in the 1977 survey included personal care and other such homes that did not provide nursing services. Table C gives breakdowns of the nursing homes, beds, and residents for each of the two surveys (for purposes of information only).

The occupancy rates for the two surveys were very similar. Based on the number of residents at the time of the survey, the occupancy rates were 93 percent in 1977 and 92 percent in 1973-74. Using the average daily census for the calculations, the rates were 89 percent in 1977 and 88 percent in 1973-74.

The 20-percent difference in homes and beds will be important to remember when examining the employee data that follow.

## **STAFF DATA**

### **Total Staff**

An estimated 509,900 full-time and 268,800 part-time employees provided direct or health-related services to nursing home residents in 1977. Clerical, food service, housekeeping, maintenance, and other employees who did not perform nursing, administrative, medical, or therapeutic functions were not surveyed. However, a count of excluded employees, when added to the cited figures, results in an overall estimate of 1,183,900 total employees.

Clerical- and maintenance-type employees will not be included in this report. Any reference to total employees will refer to the 509,900 full-time and 268,800 part-time employees who provided direct or health-related services.

The sections that follow divide the employees into three major staff groups: administrative and medical, nursing, and therapeutic. Highlights are presented for each group. The remainder of this section presents basic items of information concerning total employees in general.

Table C. Number of nursing homes, beds, and residents, by selected nursing home characteristics: United States, 1973-74 and 1977

Nursing home characteristic	Nursing homes		Beds		Residents	
	1973-74	1977	1973-74	1977	1973-74	1977
All nursing homes.....	15,700	18,900	1,174,800	1,402,400	1,075,800	1,303,100
<u>Ownership</u>						
Proprietary .....	11,900	14,500	830,700	971,200	756,200	888,800
Voluntary nonprofit and government.....	3,900	4,400	344,300	431,300	319,700	414,300
<u>Certification</u>						
Skilled nursing facility only .....	7,700	3,600	761,500	294,000	699,400	269,600
Skilled nursing facility and intermediate care facility .....		4,600		549,400		527,800
Intermediate care facility only.....	4,400	6,000	252,300	391,600	236,700	368,200
Not certified.....	3,600	4,700	161,000	167,400	139,800	137,500
<u>Bed size</u>						
Less than 50 beds .....	6,400	8,000	179,400	182,900	162,600	167,900
50-99 beds.....	5,500	5,800	392,800	417,800	367,700	397,000
100-199 beds.....	3,200	4,200	414,500	546,400	386,100	505,200
200 beds or more.....	600	900	188,100	255,400	159,300	233,000
<u>Location</u>						
Northeast.....	3,100	3,900	250,800	314,900	236,100	292,100
North Central .....	5,600	5,900	407,200	483,900	368,700	449,400
South.....	4,100	4,900	302,900	381,500	278,200	354,700
West.....	2,900	4,200	214,000	222,100	192,800	207,000

NOTE: Figures may not add to totals due to rounding.

Of the 509,900 full-time employees, 24,600 (5 percent) worked under contract with the nursing homes. Of the 268,800 part-time employees, 65,600 (24 percent) were likewise under contract.

Only 43,500 (8.5 percent) of the full-time employees were males. Part-time employees were also predominantly females, with males occupying only 17.5 percent of these positions.

The average hourly wage of a full-time employee was \$3.64. Table 3 indicates that male employees received an average of \$5.14 per hour, while female employees received \$3.50 per hour. Part-time employees earned \$6.31 per hour, with males receiving \$15.07 and females \$4.73 per hour. The differences between full-time and part-time hourly wages occurred primarily in the non-nursing staff. This group (which excludes registered nurses, licensed practical nurses, and nurse's aides) showed average hourly wages of \$7.48 for full-time and \$13.90 for part-time employees.

The average number of years of current employment was 3.5 for full-time and 3.4 for part-time employees. The average total work experience was 6.5 and 7.7 years for full-time and part-time employees, respectively. Total work experience refers to the length of time that employees have worked in their current occupation.

#### Administrative and Medical Staff

Administrative and medical staff categories are listed in table D, along with the number of full-time and part-time employees estimated to be in each category. The total number working full-time in nursing homes was approximately 33,700, of which 22,700 were administrators (including assistant administrators). Since each of the other categories had less than 3,000 employees, they will not be discussed here.

The distribution of the part-time employees was quite different, however. Of the 53,000

Table D. Number of full-time and part-time administrative and medical employees in nursing homes, by occupational categories: United States, 1977

Occupational category	Administrative and medical employees	
	Full-time	Part-time
Total administrative and medical employees .....	33,700	53,000
Administrator or assistant administrator .....	22,700	2,900
Physician .....	800	13,900
Dentist.....	*	3,300
Pharmacist.....	800	11,100
Dietitian or nutritionist .....	2,900	10,300
Registered medical record administrator .....	600	4,400
Other medical record administrator and technician.....	2,700	1,400
Other professional occupation .....	2,900	5,800

NOTE: Figures may not add to totals due to rounding.

total part-time staff, only 2,900 were administrators. Most were physicians (13,900), pharmacists (11,100), and dietitians or nutritionists (10,300).

As a group the full-time administrators had the following characteristics:

- Slightly more women than men.
- Most were white (96 percent).
- An average age of 45 years.
- An average hourly wage of \$7.47.
- Only 7 percent completed less than 12 years of education, while 70 percent completed more than 12 years of education.
- An average current employment of 6.6 years.
- An average total work experience of 10.5 years as nursing home or hospital administrators.

A comparison between the male and female full-time administrators revealed that the average hourly wage for males was \$8.83, while females earned \$6.23 an hour (not statistically significant). Approximately 41 percent of the males and 43 percent of the females had no prior

experience as a nursing home or hospital administrator. The average total work experience was 8.9 years for males and 11.7 years for females (table 4). While 55.1 percent of the male administrators had 16 or more years of education, only 19.8 percent of the females had as many years of education.

For the part-time administrative and medical staff, only physicians, pharmacists, and dietitians or nutritionists will be mentioned here.

Of the 13,900 part-time physicians, 10,000 were working under contract rather than on staff. Their average age was 50 years, they received an average hourly wage of \$24.00, 13,400 were males, and 90 percent were white physicians (with Asian the next largest racial group of 5 percent). Their average total work experience was 13.9 years, of which 6.2 years was current employment (table 5).

Of the 11,100 part-time pharmacists, 9,800 worked under contract. They had an average age of 40 years, an average hourly wage of \$10.23, 10,000 were males, and 96 percent were white pharmacists. Their average total work experience was 8.0 years, of which 4.6 was current employment. The majority (7,300) had 17 years or more of education, while 3,500 (virtually all the rest) had 16 years of education (table 5).

Of the 10,300 part-time dietitians or nutritionists, 9,100 worked under contract. They had an average age of 42 years, an average hourly wage of \$10.43, 10,100 were females, and 95 percent were white dietitians or nutritionists. Their average total work experience was 10.9 years, of which 3.6 was current employment. An estimated 8,000 had 17 years or more of education, while an additional 2,000 had 16 years of education (table 5).

### Nursing Staff

For purposes of this report the nursing staff will be divided into three categories: registered nurses, licensed practical or vocational nurses, and nurse's aides (and orderlies).

*Registered nurses.*—An estimated 43,800 full-time and 40,700 part-time registered nurses were employed in the nursing homes covered by the 1977 survey (table 3). Overall, the group had the following characteristics:

- Only 1,200 full-time and 2,100 part-time employees worked under contract (table 6).
- More than 98 percent were women.
- Ninety-two percent were white; 4 percent were black (table 6).
- Average age was 43 years.
- Average hourly wages were \$5.59 for full-time and \$5.32 for part-time work.
- Ninety-eight percent completed 13 years or more of education.
- The average total work experience of full-time registered nurses was 11.4 years, of which 4.0 was current employment.

Table 7 gives registered nurses' average hourly wages distributed by various characteristics of the nursing homes. The table shows that for both full-time and part-time employees the average hourly wages do not vary significantly regardless of the characteristic of the home.

Table 8 presents registered nurses' current and total work experience by various characteristics of the home. It should be carefully noted, however, that the ownership, bed size, and certification of the homes represented the status of the home at the time of the survey. There might well have been a change in one or all of these characteristics during the time period that the nurses were employed.

In general, full-time registered nurses working in noncertified homes had longer current employments (6.6 years) than those working in skilled nursing facilities (3.7 years), or intermediate care facilities (3.3 years), or combination skilled nursing and intermediate care facilities (4.0 years). The same was true for registered nurses with total experience. Those in noncertified homes averaged 17.2 years of total experience, compared with 11.2 years for those in skilled nursing facilities, 10.5 years in intermediate care facilities, and 10.9 years for combined skilled nursing and intermediate care facilities.

The size of the home appeared to have no effect on the length of current employment or total years of experience that registered nurses were employed. They work in small homes (less

than 50 beds) for just as long a time as they work in large homes (200 beds or more).

According to table 9, the length of time full-time registered nurses worked in the home had no effect on the types of services they were required to perform.

*Licensed practical nurses.*—An estimated 65,900 full-time and 31,600 part-time licensed practical nurses were employed in nursing homes in 1977. As a whole, the group had the following characteristics:

- Only 900 full-time and 1,000 part-time employees worked under contract.
- Almost 98 percent were women.
- About 80 percent were white and 16 percent were black.
- Average age was 40 years.
- Average hourly wages were \$4.04 for full-time and \$4.02 for part-time work.
- About 75 percent completed 13 years or more of education; 29 percent completed 14 years or more.
- The average total work experience of licensed practical nurses was 9.0 years, of which 3.9 was current employment.

Table 7 indicates that the variation in licensed practical nurses' salaries for various nursing home characteristics is greater than for registered nurses' salaries. The variations were not found to be significantly different, however.

Full-time licensed practical nurses in noncertified homes had longer current employments (7.2 years) than those working in skilled nursing facilities (3.9 years), intermediate care facilities (3.8 years), and combination skilled nursing and intermediate care facilities (3.5 years).

*Nurse's aides.*—An estimated 345,000 full-time and 117,900 part-time nurse's aides were employed in nursing homes in 1977. As a whole, the group had the following characteristics:

- Approximately 19,000 full-time and 6,300 part-time nurse's aides worked under contract.

- About 93 percent were women.
- Almost 75 percent were white; about 21 percent were black.
- Average age was 34 years.
- Average hourly wages were \$2.76 for full-time and \$2.78 for part-time work.
- About 33 percent completed less than 12 years of education, and 44 percent completed exactly 12 years of education.
- The average total work experience of full-time nurse's aides was 5.2 years, of which 3.2 was current employment.

Table 7 indicates no significant variation in nurse's aides' hourly wages due to nursing home characteristics.

Full-time nurse's aides working in noncertified homes had longer current employments (4.9 years) than those working in skilled nursing facilities (2.9 years), intermediate care facilities (3.0 years), and combination skilled nursing and intermediate care facilities (3.2 years) (table 8). No significant difference appeared for prior experience regardless of type of certification.

### Therapeutic Staff

The types of nursing home employees included in this group are shown in table E, along

Table E. Number of full-time and part-time therapeutic employees in nursing homes, by occupational categories: United States, 1977

Occupational category	Therapeutic employees	
	Full-time	Part-time
Total therapeutic employees....	21,600	25,600
Registered occupational therapist.....	1,000	3,000
Registered physical therapist.....	1,100	6,400
Activities director.....	10,200	4,500
Social worker.....	3,100	5,700
Speech pathologist, audiologist.....	*	2,600
Occupational therapist assistant.....	1,700	1,100
Physical therapist assistant.....	3,300	1,500
Social worker technician, assistant.....	900	700

NOTE: Figures may not add to totals due to rounding.

with the number of full-time and part-time employees estimated to be in each category. The data for the therapeutic staff revealed the following characteristics of the 21,600 full-time and 25,600 part-time employees (table F):

- About 1,500 full-time and 16,300 part-time employees worked under contract.
- Approximately 78 percent were women.
- Nearly 94 percent were white.
- Average age was 37 years.

Table F. Number of full-time and part-time therapeutic employees in nursing homes, by selected employee characteristics: United States, 1977

Employee characteristic	Therapeutic employees	
	Full-time	Part-time
	Number	
Total therapeutic employees....	21,600	25,600
<u>Race or ethnicity</u>		
White (not Hispanic).....	19,700	24,500
Black (not Hispanic).....	1,500	700
Hispanic.....	*	*
Other.....	*	*
<u>Sex</u>		
Male.....	2,300	8,100
Female.....	19,200	17,500
<u>Employment arrangement</u>		
Contract.....	1,500	16,300
On staff.....	20,000	9,200
<u>Education</u>		
Less than 12 years.....	1,400	400
12 years.....	5,400	1,800
13-14 years.....	4,400	2,100
15-16 years.....	6,500	7,200
17 years or more.....	3,800	14,100
<u>Years of employment</u>		
	Average in years	
Current employment.....	2.9	2.8
Total employment.....	4.8	7.6
Average age.....	35	38

NOTE: Figures may not add to totals due to rounding.

- Average hourly wages were \$7.93 for full-time and \$12.09 for part-time work.
- Almost 48 percent of the full-time and over 83 percent of the part-time employees completed more than 14 years of education.
- The total work experience of part-time therapeutic staff was 7.6 years, compared with 4.8 years for the full-time staff.

Table 10, which shows the number of full-time equivalent therapeutic employees per 1,000 beds, indicates what types of homes are most likely and least likely to employ therapeutic staff.

Tables 11 and 12 give additional information on full-time and part-time therapeutic staff (as well as all other types of employees) by various characteristics of the home.



## REFERENCES

<sup>1</sup>National Center for Health Statistics: Development and maintenance of a national inventory of hospitals and institutions. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 1-No. 3. Public Health Service. Washington. U.S. Government Printing Office, Feb. 1965.

<sup>2</sup>National Center for Health Statistics: Inpatient health facilities as reported from the 1967 MFI Survey, by A. Sirrocco. *Vital and Health Statistics*. Series 14-No. 4. DHEW Pub. No. (HSM) 72-1065. Health Services and Mental Health Administration. Washington. U.S. Government Printing Office, June 1972.

<sup>3</sup>National Center for Health Statistics: Inpatient health facilities as reported from the 1969 MFI Survey, by A. Sirrocco. *Vital and Health Statistics*. Series 14-No. 6. DHEW Pub. No. (HSM) 73-1801. Health Services and Mental Health Administration. Washington. U.S. Government Printing Office, Dec. 1972.

<sup>4</sup>National Center for Health Statistics: Inpatient health facilities as reported from the 1971 MFI Survey, by A. Sirrocco. *Vital and Health Statistics*. Series 14-No. 12. DHEW Pub. No. (HSM) 74-1807. Health Services and Mental Health Administration. Washington. U.S. Government Printing Office, Mar. 1974.

<sup>5</sup>National Center for Health Statistics: Inpatient health facilities as reported from the 1973 MFI Survey, by A. Sirrocco. *Vital and Health Statistics*. Series 14-No. 16. DHEW Pub. No. (HRA) 76-1811. Health Resources Administration. Washington. U.S. Government Printing Office, May 1976.

<sup>6</sup>National Center for Health Statistics: Inpatient health facilities as reported from the 1976 MFI Survey, by J. F. Sutton and A. Sirrocco. *Vital and Health Statistics*. Series 14-No. 23. DHEW Pub. No. (PHS) 80-1818. Public Health Service. Washington. U.S. Government Printing Office, Jan. 1980.

<sup>7</sup>National Center for Health Statistics: Employees in nursing homes, United States, April-September 1968, by J. F. Van Nostrand. *Vital and Health Statistics*. Series 12-No. 15. DHEW Pub. No. (HSM) 73-1700. Health Services and Mental Health Administration. Washington. U.S. Government Printing Office, Oct. 1972.

<sup>8</sup>National Center for Health Statistics: Institutions for the aged and chronically ill, United States, April-June 1963, by E. E. Bryant. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 12-No. 1. Public Health Service. Washington. U.S. Government Printing Office, July 1965.

<sup>9</sup>National Center for Health Statistics: Employees in nursing and personal care homes: Number, work experi-

ence, special training, and wages, United States, May-June 1964, by C. A. Taube and E. E. Bryant. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 12-No. 6. Public Health Service. Washington. U.S. Government Printing Office, Jan. 1967.

<sup>10</sup>National Center for Health Statistics: Administrators of nursing and personal care homes: Education and training, United States, June-August 1969, by B. G. Brown. *Vital and Health Statistics*. Series 12-No. 18. DHEW Pub. No. (HSM) 73-1703. Health Services and Mental Health Administration. Washington. U.S. Government Printing Office, Feb. 1973.

<sup>11</sup>National Center for Health Statistics: Selected operating and financial characteristics of nursing homes, United States: 1973-74 National Nursing Home Survey, by M. R. Meiners. *Vital and Health Statistics*. Series 13-No. 22. DHEW Pub. No. (HRA) 76-1773. Health Resources Administration. Washington. U.S. Government Printing Office, Dec. 1975.

<sup>12</sup>National Center for Health Statistics: Employees in nursing homes in the United States: 1973-74 National Nursing Home Survey, by A. Sirrocco. *Vital and Health Statistics*. Series 14-No. 20. DHEW Pub. No. (PHS) 79-1815. Public Health Service. Washington. U.S. Government Printing Office, Feb. 1979.

<sup>13</sup>National Center for Health Statistics: An overview of nursing home characteristics: Provisional data from the 1977 National Nursing Home Survey, by M. Meiners. *Advance Data From Vital and Health Statistics*, No. 35. DHEW Pub. No. (PHS) 78-1250. Public Health Service. Hyattsville, Md., Sept. 6, 1978.

<sup>14</sup>National Center for Health Statistics: Design and methodology of the 1967 Master Facility Inventory Survey. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 1-No. 9. Public Health Service. Washington. U.S. Government Printing Office, Jan. 1971.

<sup>15</sup>National Center for Health Statistics: The agency reporting system for maintaining the National Inventory of Hospitals and Institutions. *Vital and Health Statistics*. PHS Pub. No. 1000-Series 1-No. 6. Public Health Service. Washington. U.S. Government Printing Office, Apr. 1968.

<sup>16</sup>National Center for Health Statistics: Nursing home costs—1972, United States. National Nursing Home Survey, by M. Meiners. *Vital and Health Statistics*. Series 13-No. 38. DHEW Pub. No. (PHS) 79-1789. Public Health Service. Washington. U.S. Government Printing Office, Nov. 1978.

## LIST OF DETAILED TABLES

1. Number and percent distribution of nursing homes, beds, and residents, by selected nursing home characteristics: United States, 1977.....	12
2. Number and rate per 100 beds of nursing home full-time equivalent employees, by occupational categories and selected nursing home characteristics: United States, 1977 .....	13
3. Number, average hourly wage, and average years of experience in occupation of full-time and part-time nursing home employees, by sex and occupational categories: United States, 1977 .....	14
4. Number of full-time nursing home administrators by years of education, average years of employment experience, number and percent with no prior experience, and by sex: United States, 1977 .....	15
5. Number of selected part-time nursing home employees by years of education, average years of employment experience, number and percent with no prior experience, and by occupational categories: United States, 1977 .....	16
6. Number of full-time and part-time nursing home employees, by occupational categories and selected employee characteristics: United States, 1977 .....	17
7. Average hourly wage of full-time and part-time nursing home employees, by occupational categories and selected nursing home characteristics: United States, 1977 .....	18
8. Number of years of employment experience of nursing home full-time nursing staff employees, by occupational categories and selected nursing home characteristics: United States, 1977 .....	19
9. Number of years of employment experience of nursing home full-time registered nurses, and number performing selected services, by type of service performed: United States, 1977 .....	20
10. Number and rate per 1,000 beds of nursing home full-time equivalent therapeutic employees, by occupational categories and selected nursing home characteristics: United States, 1977 .....	21
11. Number of full-time nursing home employees, by occupational categories and selected nursing home characteristics: United States, 1977 .....	23
12. Number of part-time nursing home employees, by occupational categories and selected nursing home characteristics: United States, 1977.....	24



Table 1. Number and percent distribution of nursing homes, beds, and residents, by selected nursing home characteristics: United States, 1977

Nursing home characteristic	Nursing homes		Beds		Residents	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
All nursing homes.....	18,900	100.0	1,402,400	100.0	1,303,100	100.0
<u>Ownership</u>						
Proprietary.....	14,500	76.8	971,200	69.3	888,800	68.2
Voluntary nonprofit.....	3,400	17.7	295,600	21.1	281,800	21.6
Government.....	1,000	5.5	135,700	9.7	132,500	10.2
<u>Certification</u> <sup>1</sup>						
Skilled nursing facility only.....	3,600	19.2	294,000	21.0	269,600	20.7
Medicare and Medicaid.....	2,100	11.3	204,500	14.6	190,300	14.6
Medicare.....	700	3.7	27,000	1.9	17,800	1.4
Medicaid.....	800	4.2	62,600	4.5	61,500	4.7
Skilled nursing facility and intermediate care facility.....	4,600	24.2	549,400	39.2	527,800	40.5
Medicare SNF and Medicaid SNF and ICF.....	2,300	12.3	319,500	22.8	303,700	23.3
Medicaid SNF and ICF.....	2,100	10.8	218,700	15.6	213,800	16.4
Medicare SNF and Medicaid ICF.....	200	1.1	11,300	.8	10,300	.8
Intermediate care facility only.....	6,000	31.6	391,600	27.9	368,200	28.3
Not certified.....	4,700	25.0	167,400	11.9	137,500	10.6
<u>Bed size</u>						
Less than 50 beds.....	8,000	42.3	182,900	13.0	167,900	12.9
50-99 beds.....	5,800	30.8	417,800	29.8	397,000	30.5
100-199 beds.....	4,200	22.3	546,400	39.0	505,200	38.8
200 beds or more.....	900	4.6	255,400	18.2	233,000	17.9
<u>Location</u>						
Geographic region:						
Northeast.....	3,900	20.5	314,900	22.5	292,100	22.4
North Central.....	5,900	31.1	483,900	34.5	449,400	34.5
South.....	4,900	26.0	381,500	27.2	354,700	27.2
West.....	4,200	22.4	222,100	15.8	207,000	15.9
Standard Federal administrative region:						
Region I.....	1,700	9.1	98,900	7.1	85,600	6.6
Region II.....	1,500	7.8	145,600	10.4	138,300	10.6
Region III.....	1,400	7.3	115,000	8.2	107,800	8.3
Region IV.....	2,400	12.9	177,600	12.7	175,300	13.4
Region V.....	4,000	20.9	345,900	24.7	318,200	24.4
Region VI.....	1,800	9.7	162,300	11.6	142,700	11.0
Region VII.....	1,700	9.2	122,800	8.8	115,800	8.9
Region VIII.....	700	3.7	54,900	3.9	50,900	3.9
Region IX.....	3,200	16.8	134,900	9.6	124,000	9.5
Region X.....	500	2.7	44,600	3.2	44,600	3.4
<u>Type of facility</u>						
Nursing care.....	12,300	65.0	1,105,100	78.8	1,113,300	85.4
All other.....	6,600	35.0	297,300	21.2	189,800	14.6

<sup>1</sup>SNF = skilled nursing facility; ICF = intermediate care facility.

NOTE: Figures may not add to totals due to rounding.

Table 2. Number and rate per 100 beds of nursing home full-time equivalent employees, by occupational categories and selected nursing home characteristics: United States, 1977

Nursing home characteristic	All full-time equivalent employees <sup>1</sup>		Occupational category of employee									
			Administrative, medical, and therapeutic		Nursing							
					Total		Registered nurse		Licensed practical nurse		Nurse's aide	
Number	Rate per 100 beds	Number	Rate per 100 beds	Number	Rate per 100 beds	Number	Rate per 100 beds	Number	Rate per 100 beds	Number	Rate per 100 beds	
All employees <sup>2</sup> .....	647,700	46.2	70,600	5.0	577,000	41.1	66,900	4.8	85,100	6.1	424,900	30.3
<b>Ownership</b>												
Proprietary.....	421,500	43.4	44,500	4.6	376,900	38.8	40,300	4.2	55,300	5.7	281,300	29.0
Voluntary nonprofit.....	158,700	53.7	19,200	6.5	139,600	47.2	18,800	6.4	19,500	6.6	101,300	34.3
Government.....	67,500	49.7	6,900	5.1	60,500	44.6	7,800	5.8	10,300	7.6	42,400	31.2
<b>Certification</b>												
Skilled nursing facility only..	154,900	52.7	17,200	5.9	137,700	46.8	20,900	7.1	19,500	6.6	97,300	33.1
Skilled nursing facility and intermediate care facility....	284,600	51.8	26,700	4.9	257,900	46.9	32,100	5.9	35,800	6.5	190,000	34.6
Intermediate care facility only.....	159,200	40.7	18,200	4.7	141,000	36.0	9,300	2.4	24,800	6.3	106,800	27.3
Not certified.....	48,900	29.2	8,500	5.1	40,400	24.1	4,600	2.8	4,900	3.0	30,800	18.4
<b>Bed size</b>												
Less than 50 beds.....	83,400	45.6	15,200	8.3	68,200	37.3	7,900	4.3	12,000	6.6	48,300	26.4
50-99 beds.....	203,400	48.7	22,500	5.4	180,900	43.3	19,900	4.8	25,100	6.0	135,800	32.5
100-199 beds.....	254,900	46.6	22,900	4.2	232,000	42.5	25,700	4.7	33,400	6.1	172,900	31.6
200 beds or more.....	106,000	41.5	10,000	3.9	95,900	37.6	13,400	5.3	14,600	5.7	67,900	26.6
<b>Location</b>												
Geographic region:												
Northeast.....	162,000	51.4	19,400	6.1	142,700	45.3	24,800	7.9	20,300	6.4	97,600	31.0
North Central.....	226,700	46.8	22,900	4.7	203,800	42.1	20,200	4.2	26,700	5.5	156,900	32.4
South.....	162,600	42.6	16,000	4.2	146,600	38.4	11,100	2.9	27,000	7.1	108,500	28.4
West.....	96,300	43.4	12,400	5.6	83,900	37.8	10,800	4.9	11,100	5.0	62,000	27.9
Standard Federal administrative region:												
Region I.....	45,200	45.8	5,100	5.1	40,200	40.6	7,100	7.2	5,200	5.2	27,900	28.2
Region II.....	73,000	50.2	9,300	6.4	63,700	43.8	11,000	7.6	9,600	6.6	43,100	29.6
Region III.....	63,600	55.3	6,700	5.8	56,800	49.4	8,800	7.6	8,100	7.1	39,900	34.7
Region IV.....	92,900	52.3	8,900	5.0	84,000	47.3	6,700	3.8	13,700	7.7	63,600	35.8
Region V.....	167,800	48.5	16,300	4.7	151,500	43.8	16,100	4.6	19,700	5.7	115,700	33.5
Region VI.....	50,900	31.4	5,500	3.4	45,400	28.0	2,500	1.5	10,800	6.7	32,100	19.8
Region VII.....	51,700	42.1	5,600	4.6	46,100	37.6	3,300	2.6	6,500	5.3	36,300	29.6
Region VIII.....	21,500	39.2	2,800	5.1	18,700	34.1	2,800	5.2	2,000	3.6	13,900	25.3
Region IX.....	60,800	45.0	8,300	6.1	52,500	38.9	6,500	4.8	7,200	5.3	38,800	28.8
Region X.....	20,200	45.2	2,100	4.8	18,000	40.4	2,200	4.9	2,300	5.2	13,500	30.3
<b>Type of facility</b>												
Nursing care.....	592,500	53.6	61,300	5.5	531,200	48.1	61,800	5.6	79,900	7.2	389,500	35.2
All other.....	55,100	18.5	9,400	3.2	45,800	15.4	5,100	1.7	5,200	1.8	35,400	11.9

<sup>1</sup>35 hours of part-time employees' work is considered equivalent to 1 full-time employee. Part-time employees were converted to full-time equivalent employees by dividing the number of hours worked per week by 35.

<sup>2</sup>Includes only employees providing direct health-related services to residents.

NOTE: Figures may not add to totals due to rounding.

Table 3. Number, average hourly wage, and average years of experience in occupation of full-time and part-time nursing home employees, by sex and occupational categories: United States, 1977

Occupational category	Full-time employees									Part-time employees								
	Number			Average hourly wage <sup>1</sup>			Years of experience			Number			Average hourly wage <sup>1</sup>			Years of experience		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
All employees <sup>2</sup> .....	509,900	43,500	466,500	3.64	5.14	3.50	6.5	7.9	6.4	268,800	47,000	221,800	6.31	15.07	4.73	7.7	10.3	7.1
<b>Administrative and medical staff</b>																		
Administrator, assistant administrator.....	22,700	10,600	12,100	7.47	8.83	6.23	10.4	9.0	11.7	2,900	1,200	1,700	18.81	32.17	*	10.5	*	*
Physician <sup>3</sup> .....	800	600	*	*	*	*	*	*	*	13,900	13,400	*	24.00	23.97	*	14.0	14.2	*
Dentist.....	*	*	*	*	*	*	*	*	*	3,300	3,300	*	17.40	17.36	*	9.5	9.5	*
Pharmacist.....	800	600	*	*	*	*	*	*	*	11,100	10,000	1,100	10.23	10.27	*	8.1	8.3	*
Dietitian or nutritionist.....	2,900	*	2,600	7.64	*	7.76	8.1	*	7.9	10,300	*	10,100	10.43	*	10.39	10.9	*	10.9
Registered medical record administrator.....	600	*	500	*	*	*	*	*	*	4,400	*	4,200	11.07	*	11.15	13.7	*	13.8
Other medical record administrator and technician.....	2,700	*	2,600	3.99	*	*	*	6.4	*	1,400	*	1,300	*	*	*	*	*	*
Other professional occupations <sup>4</sup> .....	2,900	700	2,200	4.73	*	*	7.2	*	*	5,800	4,200	1,600	11.63	14.20	*	11.1	13.7	*
<b>Therapeutic staff</b>																		
Registered occupational therapist.....	1,000	*	900	*	*	*	*	*	*	3,000	*	2,800	12.98	*	13.08	8.0	*	7.7
Registered physical therapist.....	1,100	*	800	*	*	*	*	*	*	6,400	3,800	2,700	12.10	12.94	10.89	11.0	12.2	9.3
Activities director.....	10,200	700	9,600	12.42	*	12.59	4.1	*	4.1	4,500	*	4,400	13.08	*	13.08	4.2	*	4.0
Social worker.....	3,100	*	2,700	5.55	*	5.52	2.9	*	*	5,700	2,000	3,700	13.09	14.99	12.11	7.7	*	7.1
Speech pathologist, audiologist.....	*	*	*	*	*	*	*	*	*	2,600	1,200	1,400	13.88	*	13.46	*	*	*
Occupational therapist assistant.....	1,700	*	1,600	*	*	*	*	*	*	1,100	*	1,000	*	*	*	*	*	*
Physical therapist assistant.....	3,300	500	2,800	4.44	*	4.41	6.2	*	6.0	1,500	600	900	*	*	*	*	*	*
Social worker technician, assistant.....	900	*	800	*	*	*	*	*	*	700	*	600	*	*	*	*	*	*
<b>Nursing staff</b>																		
Registered nurse.....	43,800	1,000	42,900	5.59	*	5.58	11.4	*	11.4	40,700	*	40,200	5.32	*	5.31	10.7	*	10.7
Licensed practical nurse.....	65,900	1,500	64,400	4.04	*	4.04	9.0	*	8.9	31,600	800	30,800	4.02	*	4.02	9.0	*	9.1
Nurse's aide.....	345,000	25,400	319,600	2.76	3.08	2.74	5.2	7.3	5.1	117,900	5,200	112,800	2.78	2.72	2.78	4.7	*	4.8

<sup>1</sup>Calculations of the average hourly wage include only staff who reported a salary. 1 percent of the full-time employees and 4 percent of the part-time employees donated their services.

<sup>2</sup>Includes only employees providing direct health-related services to residents.

<sup>3</sup>Includes medical doctors and doctors of osteopathy.

<sup>4</sup>Includes psychologist, X-ray technician, and others.

NOTE: Figures may not add to totals due to rounding.

Table 4. Number of full-time nursing home administrators by years of education, average years of employment experience, number and percent with no prior experience, and by sex: United States, 1977

Education and employment experience	Full-time administrators		
	Total	Male	Female
	Number		
All full-time administrators.....	22,700	10,600	12,100
<u>Years of education</u>			
Less than 12 years .....	1,500	*	1,100
12 years .....	5,200	1,700	3,500
13 years .....	2,200	700	1,400
14 years .....	3,400	1,300	2,100
15 years .....	2,200	700	1,500
16 years .....	3,400	2,200	1,200
17 years or more.....	4,800	3,600	1,200
<u>Employment experience</u>			
Average in years			
Total.....	10.5	8.9	11.7
Prior experience.....	3.9	3.4	4.3
Current employment .....	6.6	5.5	7.4
Number			
No prior experience .....	9,500	4,300	5,200
Percent			
No prior experience .....	42.0	40.8	43.0

NOTE: Figures may not add to totals due to rounding.

Table 5. Number of selected part-time nursing home employees by years of education, average years of employment experience, number and percent with no prior experience, and by occupational categories: United States, 1977

Education and employment experience	Occupational category		
	Physician <sup>1</sup>	Pharmacist	Dietitian or nutritionist
	Number		
All selected part-time employees .....	13,900	11,100	10,300
	<u>Years of education</u>		
Less than 16 years .....	*	*	*
16 years .....	*	3,500	2,000
17 years or more.....	13,600	7,300	8,000
	<u>Employment experience</u>		
	Average in years		
Total.....	13.9	8.0	10.9
Prior experience.....	7.7	3.4	7.3
Current employment .....	6.2	4.6	3.6
	Number		
No prior experience .....	4,800	4,300	1,200
	Percent		
No prior experience .....	34.5	38.7	11.6

<sup>1</sup>Includes medical doctors and doctors of osteopathy.

Table 6. Number of full-time and part-time nursing home employees, by occupational categories and selected employee characteristics: United States, 1977

Employee characteristic	Full-time employees <sup>1</sup>					Part-time employees <sup>1</sup>				
	Total	Occupational category				Total	Occupational category			
		Administrative, medical, and therapeutic	Registered nurse	Licensed practical nurse	Nurse's aide		Administrative, medical, and therapeutic	Registered nurse	Licensed practical nurse	Nurse's aide
	Number									
<b>Race or ethnicity</b>										
White (not Hispanic).....	390,900	50,700	39,400	51,800	248,900	237,200	74,400	38,400	26,500	98,000
Black (not Hispanic).....	94,600	2,700	2,200	11,800	77,900	24,500	1,900	1,300	4,100	17,200
Hispanic.....	7,200	700	*	900	5,300	*	*	*	*	*
Other.....	17,300	1,100	1,900	1,400	12,800	5,000	2,000	800	500	*
<b>Sex</b>										
Male.....	43,500	15,600	1,000	1,500	25,400	47,000	40,600	*	800	5,200
Female.....	466,500	39,600	42,900	64,400	319,600	221,800	38,100	40,200	30,800	112,800
<b>Age</b>										
Under 35 years.....	248,700	20,600	12,900	25,600	189,600	117,200	23,900	11,000	14,400	67,900
35-44 years.....	97,500	11,400	8,900	15,800	61,400	52,800	17,300	12,500	6,300	16,700
45-54 years.....	87,200	12,600	12,100	13,500	49,000	48,300	21,400	9,100	5,000	12,800
55 years and over.....	76,500	10,600	9,900	11,000	45,100	50,500	16,100	8,100	5,800	20,600
<b>Years of education</b>										
Less than 12 years.....	127,700	3,900	*	6,200	117,400	40,900	1,500	*	2,600	36,600
12 years.....	174,000	13,400	900	10,900	148,900	62,400	3,600	900	4,600	53,300
13-14 years.....	121,200	12,300	6,100	43,700	59,100	52,000	5,400	4,200	20,900	21,500
15-16 years.....	66,100	14,100	31,800	4,700	15,500	57,600	17,600	31,900	3,100	5,000
17 years or more.....	21,000	11,600	5,000	*	4,000	56,000	50,500	3,600	*	*
<b>Years of current employment</b>										
Less than 2 years.....	260,900	21,900	20,100	30,800	188,100	134,900	31,700	19,000	15,000	69,200
2-4 years.....	127,000	15,400	12,100	17,700	81,800	73,700	24,500	12,500	9,700	27,000
5-9 years.....	78,300	10,800	7,200	11,000	49,300	37,800	12,400	7,000	4,400	13,900
10-14 years.....	29,200	4,200	3,000	3,900	18,200	15,800	6,000	1,400	1,700	6,700
15 years or more.....	14,500	3,000	1,500	2,400	7,600	6,700	4,000	800	800	*
<b>Years of total experience</b>										
Less than 5 years.....	285,000	27,600	15,000	24,300	218,000	135,800	29,800	13,100	11,700	81,300
5-9 years.....	112,400	13,500	9,300	19,000	70,500	57,700	19,800	11,200	9,300	17,400
10-14 years.....	55,200	6,100	6,100	10,300	32,800	34,400	11,700	6,400	5,000	11,300
15 years or more.....	57,400	8,000	13,400	12,400	23,700	41,000	17,400	10,000	5,600	8,000
<b>Benefits<sup>2</sup></b>										
Paid vacation, sick leave.....	426,200	46,200	39,300	58,800	281,900	123,600	12,300	23,100	17,800	70,300
Other leave <sup>3</sup> .....	313,600	43,900	32,600	41,600	195,500	94,300	14,400	17,900	14,100	47,800
Pension.....	102,000	13,200	11,200	12,600	65,000	20,600	3,700	4,300	2,500	10,000
Health, life insurance.....	252,700	33,100	27,200	35,400	157,100	52,000	8,200	9,600	7,400	26,800
Direct medical benefits.....	90,100	10,600	8,100	10,900	60,500	17,100	3,100	3,200	2,100	8,600
Meals.....	115,200	19,200	11,900	16,800	67,300	48,100	10,400	10,300	7,200	20,200
<b>Employment arrangement</b>										
Contract.....	24,600	3,500	1,200	900	19,000	65,600	56,100	2,100	1,000	6,300
On staff.....	485,400	51,800	42,600	65,000	326,000	203,200	22,500	38,500	30,600	111,600

<sup>1</sup>Includes only employees providing direct health-related services to residents.

<sup>2</sup>Figures do not add to totals because multiple responses were permitted.

<sup>3</sup>Includes civic and personal leave (jury duty, reserves, voting, funerals) and release time for attending training institutes.

NOTE: Figures may not add to totals due to rounding.

Table 7. Average hourly wage of full-time and part-time nursing home employees, by occupational categories and selected nursing home characteristics: United States, 1977

Nursing home characteristic	Full-time employees						Part-time employees					
	Total	Occupational category					Total	Occupational category				
		Administrative, medical, and therapeutic	Nursing					Administrative, medical, and therapeutic	Nursing			
		Total	Registered nurse	Licensed practical nurse	Nurse's aide		Total	Registered nurse	Licensed practical nurse	Nurse's aide		
All employees <sup>2</sup> .....	\$3.64	\$7.48	\$3.22	\$5.59	\$4.04	\$2.76	\$6.31	\$13.90	\$3.53	\$5.32	\$4.02	\$2.78
	Average hourly wage <sup>1</sup>											
<b>Ownership</b>												
Proprietary.....	3.47	7.20	3.08	5.49	4.01	2.64	6.49	14.08	3.50	5.31	4.05	2.74
Voluntary nonprofit.....	3.95	8.25	3.37	5.54	4.07	2.91	5.62	12.93	3.55	5.33	3.92	2.84
Government.....	3.97	7.03	3.66	6.07	4.13	3.15	7.00	14.78	3.79	5.42	4.03	3.06
<b>Certification</b>												
Skilled nursing facility only.....	3.87	6.93	3.54	5.90	4.36	3.00	6.59	13.41	3.80	5.52	4.20	2.83
Skilled nursing facility and intermediate care facility.....	3.63	7.57	3.26	5.59	4.08	2.80	6.16	14.01	3.61	5.22	4.10	2.90
Intermediate care facility only ..	3.42	8.23	2.87	5.04	3.78	2.50	6.03	12.98	3.15	5.28	3.80	2.56
Not certified.....	3.70	6.71	3.07	5.51	3.90	2.66	7.13	18.59	3.31	5.21	*	2.67
<b>Bed size</b>												
Less than 50 beds.....	4.01	8.48	3.02	5.14	3.88	2.54	6.88	14.02	3.48	5.64	3.84	2.62
50-99 beds.....	3.44	7.19	3.02	5.39	3.88	2.60	6.26	13.34	3.37	5.07	3.77	2.67
100-199 beds.....	3.45	6.95	3.15	5.48	3.97	2.74	6.10	14.03	3.52	5.23	4.12	2.78
200 beds or more.....	4.19	7.77	3.83	6.22	4.55	3.26	6.18	15.54	4.01	5.83	4.62	3.25
<b>Location</b>												
<b>Geographic region:</b>												
Northeast.....	4.18	7.37	3.76	5.80	4.49	3.22	6.22	13.78	3.88	5.33	4.16	3.04
North Central.....	3.46	7.36	3.05	5.45	3.95	2.66	5.47	12.94	3.37	5.17	4.09	2.72
South.....	3.37	8.17	2.91	5.34	3.71	2.49	6.24	12.84	3.20	5.22	3.71	2.61
West.....	3.69	6.85	3.33	5.72	4.30	2.82	8.46	16.38	3.62	5.69	4.12	2.68
<b>Standard Federal administrative region:</b>												
Region I.....	3.69	6.78	3.32	5.49	4.31	2.77	5.54	12.89	3.66	5.30	4.09	2.78
Region II.....	4.67	7.73	4.21	6.22	4.91	3.64	6.66	15.56	4.18	5.67	*	3.41
Region III.....	3.95	9.70	3.34	5.37	3.95	2.90	6.35	12.95	3.65	5.00	3.84	2.85
Region IV.....	3.22	7.51	2.82	5.14	3.59	2.45	6.48	12.48	3.16	5.02	3.59	2.48
Region V.....	3.54	7.52	3.14	5.61	4.13	2.72	5.58	13.30	3.50	5.25	4.24	2.79
Region VI.....	3.30	6.51	2.95	5.68	3.82	2.44	6.30	13.52	3.18	*	3.81	2.73
Region VII.....	3.19	7.00	2.79	4.83	3.50	2.49	5.09	11.86	2.88	*	*	2.47
Region VIII.....	3.36	*	3.03	*	*	2.54	6.27	13.50	3.23	*	*	*
Region IX.....	3.86	6.95	3.47	6.01	4.52	2.95	9.33	17.49	3.87	6.15	*	2.74
Region X.....	3.42	*	3.04	*	*	2.63	7.73	15.39	3.40	*	*	*
<b>Type of facility</b>												
Nursing care.....	3.64	7.59	3.23	5.57	4.03	2.77	6.22	13.66	3.53	5.30	4.02	2.80
All other.....	3.67	6.76	3.09	5.91	4.22	2.65	7.16	16.06	3.49	5.52	4.01	2.62

<sup>1</sup>Calculations of the average hourly wage include only staff who reported a salary. 1 percent of the full-time employees and 4 percent of the part-time employees donated their services.

<sup>2</sup>Includes only employees providing direct health-related services to residents.

Table 8. Number of years of employment experience of nursing home full-time nursing staff employees, by occupational categories and selected nursing home characteristics: United States, 1977

Nursing home characteristic	Employment experience and occupational category								
	Total experience			Prior experience			Current employment		
	Registered nurse	Licensed practical nurse	Nurse's aide	Registered nurse	Licensed practical nurse	Nurse's aide	Registered nurse	Licensed practical nurse	Nurse's aide
	Number of years								
All nursing homes .....	11.4	9.0	5.2	7.4	5.1	2.0	4.0	3.9	3.2
<u>Ownership</u>									
Proprietary .....	11.1	8.9	4.7	7.7	5.3	1.9	3.4	3.6	2.8
Voluntary nonprofit .....	11.5	9.1	6.2	7.1	5.0	2.4	4.4	4.1	3.8
Government .....	12.7	8.8	6.5	7.0	3.8	2.4	5.7	5.0	4.1
<u>Certification</u>									
Skilled nursing facility only .....	11.2	9.3	4.9	7.5	5.4	2.0	3.7	3.9	2.9
Skilled nursing facility and intermediate care facility .....	10.9	8.6	5.2	6.9	5.1	2.0	4.0	3.5	3.2
Intermediate care facility only .....	10.5	8.9	5.1	7.2	5.1	2.1	3.3	3.8	3.0
Not certified .....	17.2	11.1	6.8	10.6	3.9	1.9	6.6	7.2	4.9
<u>Bed size</u>									
Less than 50 beds .....	11.6	10.2	6.2	7.6	4.9	2.2	4.0	5.3	4.0
50-99 beds .....	12.1	9.5	5.0	7.8	5.7	1.9	4.3	3.8	3.1
100-199 beds .....	10.7	8.3	5.0	7.2	4.9	2.2	3.5	3.4	2.8
200 beds or more .....	11.6	8.8	5.7	7.1	4.6	1.9	4.5	4.2	3.8
<u>Location</u>									
Northeast .....	11.3	9.5	5.4	6.9	4.6	1.8	4.4	4.9	3.6
North Central .....	11.0	9.1	4.7	7.0	5.0	1.7	4.0	4.1	3.0
South .....	12.1	8.3	5.6	8.3	5.0	2.1	3.8	3.3	3.5
West .....	11.4	9.4	5.6	8.0	6.1	3.1	3.4	3.3	2.5



Table 9. Number of years of employment experience of nursing home full-time registered nurses, and number performing selected services, by type of service performed: United States, 1977

Type of service performed	Employment experience			Number performing service <sup>1</sup>
	Total experience	Prior experience	Current employment	
	Number of years			
All full-time registered nurses.....	11.4	7.4	4.0	43,800
Administration of the facility.....	12.3	7.6	4.7	9,800
Screening persons for admission.....	12.5	8.1	4.4	13,000
Nursing care.....	11.4	7.4	4.0	41,500
Medical and dental care.....	10.8	7.0	3.8	13,700
Physical therapy.....	10.4	6.7	3.7	10,100
Occupational therapy.....	11.5	7.4	4.1	5,500
Recreational therapy.....	11.8	7.9	3.9	8,800
Speech and hearing therapy.....	10.8	6.9	3.9	3,400
Social work, counseling.....	11.7	7.7	4.0	9,600
Training of staff.....	11.7	7.7	4.0	33,600
Supervision of staff.....	11.5	7.5	4.0	39,300
Clerical work, medical, and social recordkeeping.....	11.2	7.4	3.8	25,700
Kitchen/dietary work, grocery shopping.....	10.9	7.5	3.4	1,600
Housekeeping services, maintenance, care of grounds.....	11.6	7.5	4.1	2,000

<sup>1</sup>Figures do not add to total because multiple responses were permitted.

Table 10. Number and rate per 1,000 beds of nursing home full-time equivalent therapeutic employees, by occupational categories and selected nursing home characteristics: United States, 1977

Nursing home characteristic	All full-time equivalent therapeutic employees <sup>1</sup>		Occupational category							
			Registered occupational therapist		Registered physical therapist		Activities director		Social worker	
	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds
All employees <sup>2</sup> .....	28,600	20.4	1,500	1.1	2,700	1.9	12,600	9.0	3,900	2.8
<b>Ownership</b>										
Proprietary.....	17,000	17.5	800	0.8	1,700	1.8	8,900	9.2	1,800	1.9
Voluntary nonprofit.....	8,400	28.4	600	2.0	700	2.4	3,100	10.5	1,500	5.1
Government.....	3,200	23.6	*	*	*	*	700	5.2	600	4.4
<b>Certification</b>										
Skilled nursing facility only.....	6,700	22.8	*	*	1,000	3.4	2,700	9.2	800	2.7
Skilled nursing facility and intermediate care facility.....	13,000	23.7	900	1.6	1,300	2.4	4,600	8.4	2,000	3.6
Intermediate care facility only.....	7,300	18.6	*	*	*	*	4,600	11.7	1,100	2.8
Not certified.....	1,400	8.4	*	*	*	*	700	4.2	*	*
<b>Bed size</b>										
Less than 50 beds.....	3,800	20.8	*	*	*	*	2,500	13.7	*	*
50-99 beds.....	9,100	21.8	500	1.2	800	1.9	4,500	10.8	1,100	2.6
100-199 beds.....	10,800	19.8	*	*	1,200	2.2	4,300	7.9	1,500	2.7
200 beds or more.....	5,000	19.6	500	2.0	500	2.0	1,300	5.1	900	3.5
<b>Location</b>										
Northeast.....	8,000	25.4	600	1.9	1,200	3.8	2,800	8.9	1,300	4.1
North Central.....	10,600	21.9	600	1.2	800	1.7	4,800	9.9	1,200	2.5
South.....	6,100	16.0	*	*	*	*	3,100	8.1	1,100	2.9
West.....	3,900	17.6	*	*	*	*	2,000	9.0	*	*

See footnotes at end of table.

Table 10. Number and rate per 1,000 beds of nursing home full-time equivalent therapeutic employees, by occupational categories and selected nursing home characteristics: United States, 1977—Con.

Nursing home characteristic	Occupational category							
	Speech pathologist or audiologist		Occupational therapist assistant		Physical therapist assistant		Social worker technician or assistant	
	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds	Number	Rate per 1,000 beds
All employees <sup>2</sup> .....	600	0.4	2,200	1.6	3,900	2.8	1,200	0.9
<u>Ownership</u>								
Proprietary.....	*	*	1,000	1.0	1,700	1.8	700	0.7
Voluntary nonprofit .....	*	*	700	2.4	1,300	4.4	*	*
Government.....	*	*	500	3.7	800	5.9	*	*
<u>Certification</u>								
Skilled nursing facility only .....	*	*	*	*	1,000	3.4	*	*
Skilled nursing facility and inter- mediate care facility .....	*	*	1,400	2.5	1,800	3.3	700	1.3
Intermediate care facility only .....	*	*	*	*	700	1.8	*	*
Not certified .....	*	*	*	*	*	2.4	*	*
<u>Bed size</u>								
Less than 50 beds.....	*	*	*	*	*	*	*	*
50-99 beds .....	*	*	700	1.7	1,000	2.4	*	*
100-199 beds .....	*	*	900	1.6	1,900	3.5	500	0.9
200 beds or more .....	*	*	600	2.3	800	3.1	*	*
<u>Location</u>								
Northeast.....	*	*	500	1.6	1,100	3.5	*	*
North Central.....	*	*	1,300	2.7	1,300	2.7	*	*
South .....	*	*	*	*	1,000	2.6	*	*
West.....	*	*	*	*	500	2.3	*	*

<sup>1</sup>35 hours of part-time employees' work is considered equivalent to 1 full-time employee. Part-time employees were converted to full-time equivalent employees by dividing the number of hours worked per week by 35.

<sup>2</sup>Includes only employees providing direct health-related services to residents.

NOTE: Figures may not add to totals due to rounding.

Table 11. Number of full-time nursing home employees, by occupational categories and selected nursing home characteristics: United States, 1977

Occupational category	All nursing homes	Nursing home characteristic												
		Ownership		Certification <sup>1</sup>				Bed size			Location			
		Proprietary	Government and nonprofit	SNF only	SNF and ICF	ICF only	Not certified	Less than 50 beds	50-99 beds	100 beds or more	North-east	North Central	South	West
All employees <sup>2</sup> .....	509,900	329,400	180,500	120,300	224,300	126,900	38,400	59,700	156,900	293,400	120,500	173,900	137,600	78,000
<b>Administrative and medical staff</b>														
Administrator, assistant administrator.....	22,700	15,900	6,800	4,300	6,400	6,700	5,300	8,300	7,500	6,900	5,500	7,200	5,300	4,700
Physician <sup>3</sup> .....	800	*	600	*	600	*	*	*	*	500	*	*	*	*
Dentist.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Pharmacist.....	800	*	600	*	*	*	*	*	*	600	*	*	*	*
Dietitian or nutritionist.....	2,900	1,900	1,000	900	900	900	*	*	1,000	1,500	500	900	900	600
Registered medical record administrator.....	600	*	*	*	*	*	*	*	*	600	*	*	*	*
Other medical record administrator and technician.....	2,700	1,800	800	700	1,200	500	*	*	800	1,700	700	*	800	700
Other professional occupations <sup>4</sup> .....	2,900	1,300	1,700	1,200	900	600	*	*	1,000	1,700	1,200	1,200	*	*
<b>Therapeutic staff</b>														
Registered occupational therapist.....	1,000	*	500	*	600	*	*	*	*	500	*	*	*	*
Registered physical therapist.....	1,100	700	*	*	600	*	*	*	*	900	600	*	*	*
Activities director.....	10,200	7,200	3,100	2,300	3,900	3,600	500	1,800	3,600	4,900	2,300	3,900	2,500	1,600
Social worker.....	3,100	1,300	1,800	600	1,700	800	*	*	800	2,000	1,000	900	1,000	*
Speech pathologist, audiologist.....	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Occupational therapist assistant.....	1,700	700	1,100	*	1,000	*	*	*	*	1,300	*	1,000	*	*
Physical therapist assistant.....	3,300	1,300	2,000	800	1,600	500	*	*	800	2,400	1,000	1,100	900	*
Social worker technician, assistant.....	900	*	*	*	600	*	*	*	*	700	*	*	*	*
<b>Nursing staff</b>														
Registered nurse.....	43,800	25,100	18,700	13,300	20,800	6,700	3,100	4,600	12,000	27,200	14,800	12,800	8,800	7,400
Licensed practical nurse.....	65,900	42,500	23,400	14,700	27,900	19,700	3,600	8,200	19,600	38,100	15,000	19,400	22,300	9,200
Nurse's aide.....	345,000	227,700	117,300	79,500	154,700	86,200	24,600	35,100	108,100	201,700	75,700	123,500	93,800	51,900

<sup>1</sup>SNF = skilled nursing facility; ICF = intermediate care facility.

<sup>2</sup>Includes only employees providing direct health-related services to residents.

<sup>3</sup>Includes medical doctors and doctors of osteopathy.

<sup>4</sup>Includes psychologist, X-ray technician, and others.

NOTE: Figures may not add to totals due to rounding.

Table 12. Number of part-time nursing home employees, by occupational categories and selected nursing home characteristics: United States, 1977

Occupational category	All nursing homes	Nursing home characteristic												
		Ownership		Certification <sup>1</sup>				Bed size			Location			
		Proprietary	Government and nonprofit	SNF only	SNF and ICF	ICF only	Not certified	Less than 50 beds	50-99 beds	100 beds or more	North-east	North Central	South	West
All employees <sup>2</sup> .....	268,800	185,200	83,600	68,000	115,600	64,700	20,500	50,800	91,400	126,600	79,000	94,000	53,400	42,400
<b>Administrative and medical staff</b>														
Administrator, assistant administrator.....	2,900	2,500	*	600	500	700	1,200	1,800	800	*	*	700	800	1,000
Physician <sup>3</sup> .....	13,900	10,000	3,900	3,300	6,600	2,600	1,400	2,400	4,400	7,000	4,200	3,500	3,200	2,900
Dentist.....	3,300	2,400	900	1,300	1,600	*	*	*	1,300	1,800	1,000	500	800	1,000
Pharmacist.....	11,100	8,100	2,900	2,700	3,600	4,300	*	2,700	4,300	4,100	2,100	3,000	3,500	2,500
Dietitian or nutritionist.....	10,300	7,800	2,600	2,300	3,500	4,000	*	2,200	4,600	3,600	2,000	3,100	3,000	2,300
<b>Registered medical record administrator</b>														
.....	4,400	3,400	1,000	1,800	2,100	*	*	1,000	1,700	1,700	800	800	1,500	1,300
<b>Other medical record administrator and technician.....</b>														
.....	1,400	1,200	*	*	800	*	*	*	500	700	*	*	500	*
<b>Other professional occupations<sup>4</sup>.....</b>														
.....	5,800	3,500	2,400	1,800	2,100	1,100	800	1,400	2,300	2,200	2,200	1,500	1,000	1,100
<b>Therapeutic staff</b>														
<b>Registered occupational therapist.....</b>														
.....	3,000	2,200	900	900	1,500	600	*	600	1,200	1,200	900	1,400	*	600
<b>Registered physical therapist.....</b>														
.....	6,400	4,700	1,700	1,800	2,600	1,700	*	1,500	2,300	2,600	2,100	2,200	900	1,200
<b>Activities director.....</b>														
.....	4,500	3,200	1,300	1,000	1,200	2,000	*	1,400	1,800	1,300	800	1,500	1,300	900
<b>Social worker.....</b>														
.....	5,700	4,300	1,400	1,600	2,100	1,700	*	1,200	2,000	2,500	1,600	2,100	1,100	900
<b>Speech pathologist, audiologist.....</b>														
.....	2,600	1,900	700	800	1,100	500	*	*	800	1,400	1,000	800	*	*
<b>Occupational therapist assistant.....</b>														
.....	1,100	600	*	*	*	*	*	*	600	*	*	700	*	*
<b>Physical therapist assistant.....</b>														
.....	1,500	1,000	*	*	600	500	*	*	700	700	*	600	*	*
<b>Social worker technician, assistant.....</b>														
.....	700	*	*	*	*	*	*	*	*	*	*	*	*	*
<b>Nursing staff</b>														
<b>Registered nurse.....</b>														
.....	40,700	27,300	13,400	12,900	19,200	5,600	2,900	6,800	13,800	20,100	17,100	12,600	4,700	6,300
<b>Licensed practical nurse.....</b>														
.....	31,600	20,900	10,600	7,900	12,700	8,700	2,300	6,800	9,300	15,500	8,400	11,500	7,800	3,800
<b>Nurse's aide.....</b>														
.....	117,900	79,800	38,100	26,200	53,000	29,100	9,600	19,500	39,000	59,400	33,100	47,100	22,400	15,300

<sup>1</sup>SNF = skilled nursing facility; ICF = intermediate care facility.

<sup>2</sup>Includes only employees providing direct health-related services to residents.

<sup>3</sup>Includes medical doctors and doctors of osteopathy.

<sup>4</sup>Includes psychologist, X-ray technician, and others.

NOTE: Figures may not add to totals due to rounding.

# APPENDIXES

## CONTENTS

I.	Technical Notes on Methods .....	26
	Survey Design .....	26
	Sampling Frame .....	26
	Sampling Design .....	27
	Data Collection Procedures for the 1977 National Nursing Home Survey .....	29
	General Qualifications .....	30
	Nonresponse and Imputation of Missing Data .....	30
	Rounding of Numbers .....	30
	Data Processing .....	31
	Estimation Procedures .....	31
	Reliability of Estimates .....	31
II.	Definition of Certain Terms Used in This Report .....	36
	Terms Relating to Facilities .....	36
	Terms Relating to Staff .....	39
III.	Survey Instruments Used in the Facility and Staff Portion of the 1977 National Nursing Home Survey .....	41
	Facility Questionnaire .....	41
	Facility Worksheet .....	53
	Staff Classification Card .....	54
	Staff Sampling List .....	55
	Letter to Staff Member .....	59
	Staff Questionnaire .....	60

## APPENDIX FIGURE

I.	Relative standard errors for estimated numbers of facilities, employees, residents, and beds .....	32
----	--	----

## LIST OF APPENDIX TABLES

I.	Number of facilities in the 1977 National Nursing Home Survey universe and sample, by disposition and sampling strata: Conterminous United States, 1977 .....	28
II.	Summary of data collection procedures .....	30
III.	Standard errors of percentages for homes .....	33
IV.	Standard errors of percentages for total employees and nurse's aides .....	33
V.	Standard errors of percentages for administrative, medical, and therapeutic staff; registered nurses; and licensed practical nurses .....	34
VI.	Standard errors for average hourly wages for total staff and nurse's aides .....	34
VII.	Standard errors for average hourly wages for administrative, medical, and therapeutic staff; registered nurses; and licensed practical nurses .....	35
VIII.	Standard errors of percentages for beds .....	35

## APPENDIX I

### TECHNICAL NOTES ON METHODS

#### SURVEY DESIGN

From May 1977 through December 1977, the Division of Health Resources Utilization Statistics (DHRUS) conducted the 1977 National Nursing Home Survey (NNHS)—a sample survey of nursing homes, their residents, discharges, and staff in the conterminous United States. The survey was designed and developed by DHRUS in conjunction with a group of experts in various fields encompassing the broad area of long-term care. The NNHS was the second of a series of surveys designed to satisfy the diverse data needs of those who establish standards for, plan, provide, and assess long-term care services. The first survey was conducted from August 1973 through April 1974.

#### Sampling Frame

The 1977 NNHS covered all types of nursing homes including nursing care homes, personal care homes with nursing, personal care homes, and domiciliary care homes. Places that provided room and board only were excluded. Facilities were either freestanding establishments or nursing care units of hospitals, retirement centers, or similar institutions where the unit maintained financial and resident records separate from those of the larger institutions.

The universe for the 1977 NNHS consisted of two groups of homes: those classified as nursing homes in the 1973 Master Facility Inventory (MFI)<sup>5</sup> and nursing homes opening for business since 1973. The major group (92 percent) was composed of all nursing homes as classified in

the 1973 MFI. The MFI is a census of all inpatient health facilities conducted every 2-3 years by mail by the National Center for Health Statistics. A detailed description of how the MFI was developed, its contents, and procedures for updating and assessing its coverage has been published.<sup>1,14,15</sup>

In order for data collection to begin in May of 1977, the sampling frame was "frozen" in December of 1976 so that the sample would be selected in ample time to permit the scheduling of nationwide data collection. To obtain as current a sample frame as possible, all nursing homes that opened for business after the 1973 MFI was conducted were also included in the universe. (Nursing homes that opened after December 1976 could not be included since data about them were not yet available.) The nursing homes that opened after the 1973 MFI but before December 1976 comprised the second and smaller (8 percent) group of facilities in the universe. Information about this second group of facilities was limited compared with the first group which was listed in the 1973 MFI.

Estimates from the 1977 NNHS will not correspond precisely to figures from the 1976 MFI census for several reasons. In addition to the differences in time period, the surveys used different data collection mechanisms. The MFI is a mail survey but the NNHS is conducted by personal interview. Thus the NNHS methodology permitted more detailed identification and exclusion of facilities that were out of scope. Because the NNHS is a sample survey, its data are subject to sampling variability; because the MFI is a census, its data are not. In general, however, the data from the two sources are compatible.

---

NOTE: A list of references follows the text.

## Sampling Design

The sampling was basically a stratified two-stage probability design. The first stage was a selection of facilities and the second stage was a selection of each of the following: residents, persons discharged in 1976, and employees from the sample facilities. In preparation of the first-stage sample selection, two different procedures were used: one for facilities listed in the MFI with known bed size and another for newly opened facilities whose bed size and service type were unknown. The procedure for facilities in the MFI with known bed size consisted of sorting these facilities into two types of service strata: (1) nursing care homes and (2) facilities providing all other types of service (including personal care homes with nursing, personal care homes, domiciliary care homes, and facilities with unknown service type). Nursing homes in each of these two service strata were then sorted into bed-size groups, producing the first 16 primary strata shown in table I. Within each primary stratum, nursing homes were ordered by type of ownership, geographic region, State, and county. The sample within the first 16 strata was then selected systematically after a random start within each primary stratum. The procedure for newly opened facilities whose size and service type were unknown was a double-sampling scheme. In the first step, a random subset of one-third of these facilities (587 nursing homes) was selected, and bed-size information was determined for them by telephone contact. Using the newly gathered information on bed size, this subset of facilities was then sorted into bed-size groups producing the last 8 strata shown in table I. Within each of these bed-size strata, nursing homes were ordered by geographic region, State, and ZIP code. (Although the first group of facilities from the MFI was ordered by type of ownership and county, this subset was not arranged the same way because information on these variables was not available.) In the second step, the final sample within the last 8 strata was then selected systematically after a random start within each primary stratum. Table I shows the entire distribution of facilities in the sampling frame and the final disposition of the sample with regard to response and inscope status.

The number of nursing homes estimated by the survey (18,900) is less than the universe figure (23,105), as well as the number of nursing homes in the 1976 MFI (20,185), for several reasons. Some facilities went out of business or became ineligible for the scope of the survey between the time the universe was frozen and the survey was conducted. A facility was considered out of scope if it did not provide nursing, personal or domiciliary care services (e.g., facilities providing only room and board) or if it were a nursing care unit or wing of a hospital, retirement center, or similar institution without separate financial and resident records for that unit. The NNHS methodology included a thorough procedure for identifying out-of-scope facilities. For these same reasons, the 1973-74 NNHS estimate differed from the universe figure by 1,900.<sup>16</sup> In addition, the large number of newly opened facilities in the sampling frame, for which limited information on services provided was available, resulted in a larger proportion of facilities (10 percent) later identified as out of scope in comparison with the 1973-74 NNHS (7 percent).

The second-stage sampling of residents, discharges in 1976, and employees was carried out by the interviewers at the time of their visits to the facilities in accordance with specific instructions given for each sample facility. The sample frame for residents was the total number of residents on the register of the facility on the evening prior to the day of the survey. Residents who were physically absent from the facility due to overnight leave or a hospital visit but had a bed maintained for them at the facility were included in the sample frame. An average of five residents per facility were in the sample.

The sample frame for discharges was the total number of persons discharged alive or dead during calendar year 1976. Persons who were discharged more than once during 1976 were listed for each discharge. It is possible that a current resident was included in the discharge sampling frame if he or she were discharged during 1976. An average of four discharges per facility were in the sample.

The sampling frame for employees was the Staff Sampling List (see appendix III) on which the interviewer listed the names of all staff providing direct or health-related services (including



Table 1. Number of facilities in the 1977 National Nursing Home Survey universe and sample, by disposition and sampling strata: Conterminous United States, 1977

Sampling strata	Universe (sampling frame) <sup>1</sup>	Sample			
		All facilities	Out of scope or out of business	In scope and in business	
				Non- responding	Responding
Number of facilities					
All types of service .....	23,105	1,698	166	81	1,451
Nursing care .....	13,230	1,292	95	68	1,129
Less than 15 beds .....	676	11	3	0	8
15-24 beds .....	1,195	30	8	1	21
25-49 beds .....	3,168	158	25	6	127
50-99 beds .....	4,775	398	17	17	364
100-199 beds .....	2,864	477	18	32	427
200-299 beds .....	402	134	6	6	122
300-599 beds .....	133	67	12	6	49
600 beds or more.....	17	17	6	0	11
All other types of service <sup>2</sup> .....	8,116	318	57	8	253
Less than 15 beds .....	3,431	35	13	0	22
15-24 beds .....	1,166	17	5	0	12
25-49 beds .....	1,108	34	11	0	23
50-99 beds .....	1,202	60	5	1	54
100-199 beds .....	913	91	11	3	77
200-299 beds .....	173	34	4	2	28
300-599 beds .....	92	31	4	1	26
600 beds or more.....	31	16	4	1	11
Unknown type of service .....	1,759	...	...	...	...
Bed size known <sup>3</sup> .....	587	88	14	5	69
Less than 15 beds .....	107	3	1	0	2
15-24 beds .....	96	4	3	1	0
25-49 beds .....	128	12	6	0	6
50-99 beds .....	113	16	1	1	14
100-199 beds .....	122	40	2	2	36
200-299 beds .....	16	8	0	1	7
300-599 beds .....	5	5	1	0	4
600 beds .....	0	0	0	0	0
Bed size unknown.....	1,172	...	...	...	...

<sup>1</sup>The universe consisted of the nursing homes as classified in the 1973 Master Facility Inventory and facilities opened for business from 1973 to 1976.

<sup>2</sup>Includes personal care homes (with or without nursing), domiciliary care homes, and facilities with unknown service type.

<sup>3</sup>In order to improve estimates of the 1,759 facilities for which both service type and bed size were unknown, bed sizes were determined for a one-third sample (587 facilities). These facilities were then stratified by bed size before sample selection.

contract personnel employed last month) and sampled contract, administrative, medical, therapeutic, and nursing staff. Those generally *not* involved in direct patient care, such as office staff, food service, housekeeping, and maintenance personnel were excluded from the sample. The interviewer used predesignated sampling instructions that appeared at the head of each

column of this form. An average of 10 staff per facility were in the sample.

In order to reduce respondent burden, restrictions were placed on the number of residents, discharges, and staff sampled in each facility. Sampling rates were predesignated by the size classification of the facility but sampling rates were altered when necessary to assure that

the samples did not exceed the specified maximum of 8 for residents, 8 for discharges, and 23 for employees.

### **Data Collection Procedures for the 1977 National Nursing Home Survey**

The 1977 NNHS utilized the following questionnaires (see appendix III for facsimiles of several of the questionnaires):

- Facility Questionnaire
- Expense Questionnaire and Definition Booklet
- Staff Sampling List
- Staff Questionnaire
- Current Resident Sampling List
- Current Resident Questionnaire
- Discharged Resident Sampling List
- Discharged Resident Questionnaire

Data were collected according to the following procedures:

1. A letter was sent to the administrator of sample facilities informing him of the survey and the fact that an interviewer would contact him for an appointment. Included with this introductory letter were letters of endorsement from the American Association of Homes for the Aging, the American College of Nursing Home Administrators, the American Health Care Association, and the National Council of Health Care Services urging the administrator to participate in the survey. A summary report from the previous survey in 1973-74 was also enclosed to illustrate the kind and use of data obtained from the survey.
2. Several days to 1 week after the letters had been mailed, the interviewer telephoned the sample facility and made an appointment with the administrator.
3. At the time of the appointment the Facility Questionnaire was completed by

the interviewer who questioned the administrator or owner of the nursing home. After completing this form, the interviewer secured the administrator's authorization for completion of the Expense Questionnaire. Possible respondents to the Expense Questionnaire include accountants, administrators of the facilities, and other knowledgeable staff members. Results from the survey indicate that the respondents were evenly divided into two groups: (1) accountants located outside the facility and (2) administrators and other staff members, such as bookkeepers, based in the facility. Where data in prepared financial statements were comparable to data requested in the Expense Questionnaire, the respondent provided the facility's financial statement to a specially trained NNHS accountant who abstracted data to complete the Expense Questionnaire. This occurred in one-third of the cases. The interviewer completed the Staff Sampling List (a list of all currently employed staff who provided direct or health-related services), selected the sample of staff from it, and prepared Staff Questionnaires. These were left for each sample staff person to complete, seal in an addressed and franked envelope, and return either to the interviewer or by mail. The interviewer completed the Current Resident Sampling List (a list of all residents currently in the facility), selected the sample of residents from it, and completed a Resident Questionnaire for each sample resident by interviewing the member of the nursing staff most familiar with care provided to that resident. The nurse referred to the resident's medical record when responding. No resident was interviewed directly. The interviewer then completed the Discharged Resident Sampling List (a list of all persons discharged alive or dead in 1976), selected a sample of discharges from it, and completed a Discharged Resident Questionnaire for each sample person by interviewing a member of the nursing staff who re-

ferred to medical records. In larger facilities, a team of two or three interviewers conducted the survey in order to reduce the length of time required in the facility.

Followup on the Staff Questionnaire was initiated 2 weeks after the date of interview. Followup on the Expense Questionnaire was initiated 3 weeks after the date of interview.

Table II presents a summary of the data collection procedures.

## GENERAL QUALIFICATIONS

### Nonresponse and Imputation of Missing Data

Response rates differed for each type of questionnaire:

<i>Questionnaire</i>	<i>Response rate (percent)</i>
Facility	95
Expense	85
Current Resident	99
Discharged Resident	97
Staff	81

Generally, response rates were higher for questionnaires administered in a personal interview situation (Facility, Current Resident, and Discharged Resident) as compared with those that were self-enumerated (Expense and Staff). Statistics presented in this report were adjusted for failure of a facility to respond (i.e., to complete the Facility Questionnaire) and for failure to complete any of the other questionnaires (Expense, Current Resident, Discharged Resident, or Staff). Those items left unanswered on a partially completed questionnaire (Facility, Expense, Current Resident, Discharged Resident, Staff) were generally imputed by assigning a value from a responding unit with major characteristics identical to those of the nonresponding unit.

### Rounding of Numbers

Estimates of facilities, residents, discharges, and employees have been rounded to the nearest hundred. Estimates of total costs and revenues were rounded to the nearest million. For this reason, detailed figures within tables do not always add to totals. Percents were calculated on the original, unrounded figures and will not necessarily agree precisely with percents that might be calculated from rounded data.

Table II. Summary of data collection procedures

Questionnaire	Respondent	Interview situation
Facility Questionnaire .....	Interviewer with administrator	Interview
Expense Questionnaire .....	Administrator, owner, accountant or bookkeeper	Self-enumerated
Staff Sampling List .....	Interviewer with staff members	Informal interview or copied from records
Staff Questionnaire.....	Sampled staff members	Self-enumerated
Current Resident Sampling List .....	Interviewer with staff member who refers to Current Resident Census	Informal interview or copied from records
Current Resident Questionnaire.....	Interviewer with nurse who refers to medical record	Interview
Discharged Resident Sampling List .....	Interviewer with staff member who refers to discharge records from 1976	Informal interview or copied from records
Discharged Resident Questionnaire.....	Interviewer with nurse who refers to medical record	Interview

## Data Processing

A series of checks were performed during the course of the survey. This included field followups for missing and inconsistent data, some manual editing of the questionnaires, and extensive editing as conducted by computer to assure that all responses were accurate, consistent, logical, and complete. Once the data base was edited, the computer was used to calculate and assign weights, ratio adjustments, recodes, and other related procedures necessary to produce national estimates from the sample data.

## Estimation Procedures

Statistics reported in this publication are derived by a ratio estimating procedure. The purpose of ratio estimation is to take into account all relevant information in the estimation process, thereby reducing the variability of the estimate. The estimation of number of facilities and facility data not related to size are inflated by the reciprocal of the probability of selecting the sample facilities and adjusted for the nonresponding facilities within primary type of service-size strata. Two ratio adjustments, one at each stage of sample selection, were also used in the estimation process. The first-stage ratio adjustment (along with the preceding inflation factors) was included in the estimation of facility data related to size, and of all resident, discharge, and staff data for all primary types of service-size strata.<sup>b</sup> The numerator was the total beds according to the MFI data for all facilities in the stratum. The denominator was the estimate of the total beds obtained through a simple inflation of the MFI data for the sample facilities in the stratum. The effect of the first-stage ratio adjustment was to bring the sample in closer agreement with the known universe of beds. The second-stage ratio adjustment was included in the estimation of all resident, discharge, and staff data. It is the product of two fractions: the first is the inverse of the sampling fraction for residents (discharges or staff) upon which the selection is based; the second is the

---

<sup>b</sup>For nursing homes with unknown bed size and service type, the first-stage ratio adjustment was not included in the estimation of facility, resident, discharge, and staff data.

ratio of the number of sample residents (discharges or staff) in the facility to the number of residents (discharges or staff) for whom questionnaires were completed within the facility.

## RELIABILITY OF ESTIMATES

As in any survey, the results are subject to both sampling and nonsampling errors. Nonsampling errors include errors due to response bias, questionnaire and item nonresponse, and processing errors. To the extent possible, the latter types of errors were kept to a minimum by methods built into survey procedures such as standardized interviewer training, observation of interviewers and field followups for missing and inconsistent data, manual and computer editing, 100-percent verification of all keypunching, and other quality checks. Because survey results are subject to both sampling and nonsampling errors, the total error is larger than errors due to sampling variability alone.

Because statistics presented in this report are based on a sample, they will differ somewhat from figures that would have been obtained if a complete census had been taken using the same schedules, instructions, and procedures.

The standard error is primarily a measure of the variability that occurs by chance because only a sample, rather than the entire universe, is surveyed. The standard error also reflects part of the measurement error, but it does not measure any systematic biases in the data. It is inversely proportional to the square root of the number of observations in the sample. Thus as the sample size increases, the standard error generally decreases. Provisional estimates of the standard errors are presented in this report because final estimates are not yet available.

The chances are about 68 out of 100 that an estimate from the sample differs from the value that would be obtained from a complete census by less than the standard error. The chances are about 95 out of 100 that the difference is less than twice the standard error and about 99 out of 100 that it is less than 2½ times as large.

The relative standard error of an estimate is the standard error of the estimate divided by the estimate itself and is expressed as a percent of the estimate. Relative standard errors for estimated numbers of beds; residents; total staff and

nurse's aides; administrative, medical, and therapeutic staff, registered nurses, and licensed practical nurses; and facilities are shown in figure I. In this report, estimates that have a relative standard error more than 30 percent of the estimate itself are considered "unreliable." For example, curve D of figure I shows the relative standard errors of estimated number of residents. For a relative standard error of 30 percent or less, the minimum number of residents is 3,500. Thus resident estimates smaller than 3,500 are considered "unreliable" and are replaced with an asterisk.

Because of the relationship between the relative standard error and the estimate, the standard error of an estimate can be obtained by multiplying the estimate by its relative standard error. Thus for example, in curve E of figure I, an estimate of 10,000 beds has a relative standard error of 30 percent. Its standard error is  $0.30 \times 10,000 = 3,000$ .

Standard errors for homes, employees, average hourly wages, and beds are presented in tables III through VIII.

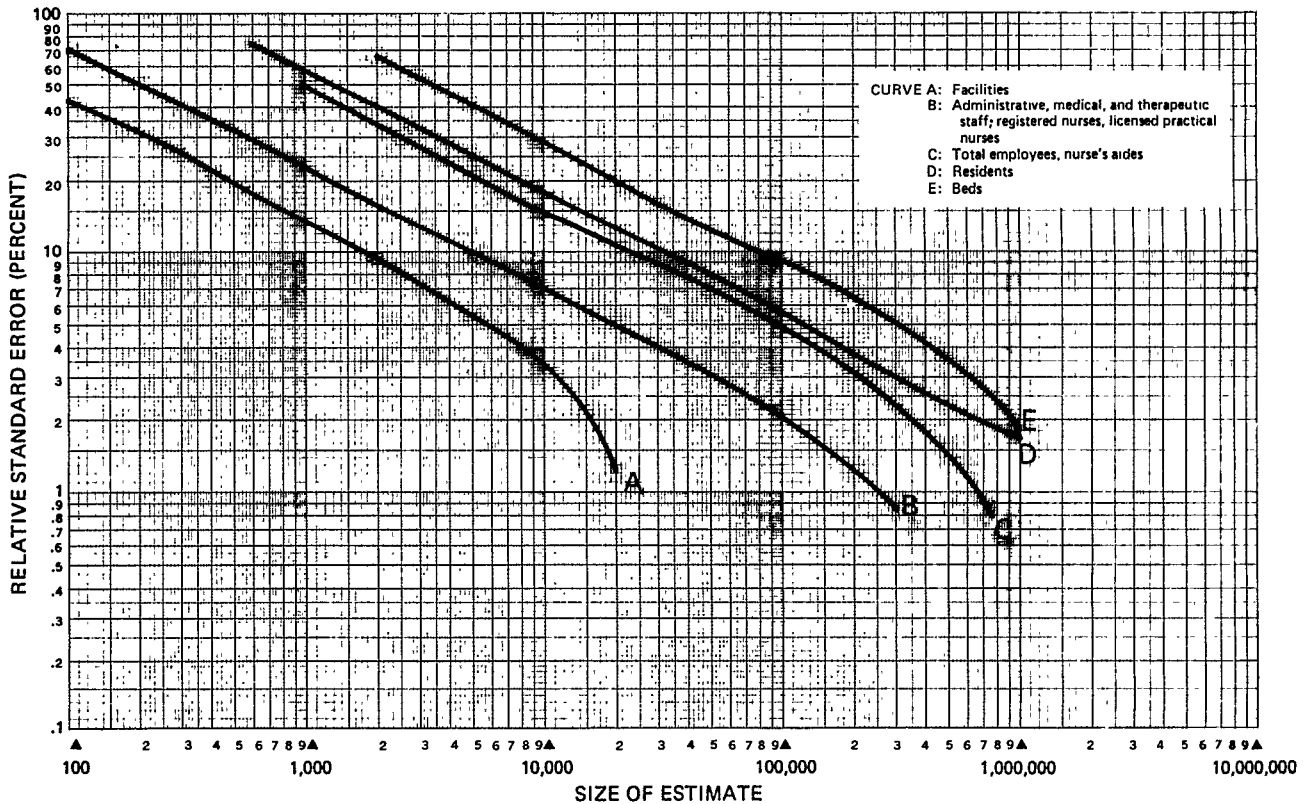


Figure I. Relative standard errors for estimated numbers of facilities, employees, residents, and beds

Table III. Standard errors of percentages for homes

Base of percent (homes)	Estimated percent				
	1 or 99	10 or 90	20 or 80	40 or 60	50
Standard error in percentage points					
300.....	2.54	7.67	10.23	12.53	12.79
400.....	2.20	6.65	8.86	10.85	11.08
500.....	1.97	5.94	7.93	9.71	9.91
600.....	1.80	5.43	7.23	8.86	9.04
700.....	1.67	5.02	6.70	8.20	8.37
800.....	1.56	4.70	6.27	7.67	7.83
900.....	1.47	4.43	5.91	7.23	7.38
1,000.....	1.39	4.20	5.60	6.86	7.00
2,000.....	0.99	2.97	3.96	4.85	4.95
3,000.....	0.80	2.43	3.24	3.96	4.04
4,000.....	0.70	2.10	2.80	3.43	3.50
5,000.....	0.62	1.88	2.51	3.07	3.13
6,000.....	0.57	1.72	2.29	2.80	2.86
7,000.....	0.53	1.59	2.12	2.59	2.65
8,000.....	0.49	1.49	1.98	2.43	2.48
9,000.....	0.46	1.40	1.87	2.29	2.33
10,000.....	0.44	1.33	1.77	2.17	2.22
20,000.....	0.31	0.94	1.25	1.53	1.57

Table IV. Standard errors of percentages for total employees and nurse's aides

Base of percent (total staff)	Estimated percent				
	1 or 99	10 or 90	20 or 80	40 or 60	50
Standard error in percentage points					
3,000.....	2.82	8.50	11.34	13.89	14.17
4,000.....	2.44	7.36	9.82	12.03	12.27
5,000.....	2.18	6.59	8.78	10.76	10.98
6,000.....	1.99	6.01	8.02	9.82	10.02
7,000.....	1.85	5.57	7.42	9.09	9.28
8,000.....	1.73	5.21	6.94	8.50	8.68
9,000.....	1.63	4.91	6.55	8.02	8.18
10,000.....	1.54	4.66	6.21	7.61	7.76
20,000.....	1.09	3.29	4.39	5.38	5.49
30,000.....	0.89	2.69	3.59	4.39	4.48
40,000.....	0.77	2.33	3.11	3.80	3.88
50,000.....	0.69	2.08	2.78	3.40	3.47
60,000.....	0.63	1.90	2.54	3.11	3.17
70,000.....	0.58	1.76	2.35	2.87	2.93
80,000.....	0.55	1.65	2.20	2.69	2.74
90,000.....	0.51	1.55	2.07	2.54	2.59
100,000.....	0.49	1.47	1.96	2.41	2.45
200,000.....	0.35	1.04	1.39	1.70	1.74
300,000.....	0.28	0.85	1.13	1.39	1.42
400,000.....	0.24	0.74	0.98	1.20	1.23
500,000.....	0.22	0.66	0.88	1.08	1.10
600,000.....	0.20	0.60	0.80	0.98	1.00
778,000.....	0.18	0.53	0.70	0.86	0.88

Table V. Standard errors of percentages for administrative, medical, and therapeutic staff; registered nurses; and licensed practical nurses

Base of percent (professional staff)	Estimated percent				
	1 or 99	10 or 90	20 or 80	40 or 60	50
	Standard error in percentage points				
550.....	3.05	9.20	12.27	15.02	15.33
800.....	2.53	7.63	10.17	12.46	12.71
1,000.....	2.26	6.82	9.10	11.14	11.37
2,000.....	1.60	4.82	6.43	7.88	8.04
3,000.....	1.31	3.94	5.25	6.43	6.57
4,000.....	1.13	3.41	4.55	5.57	5.69
5,000.....	1.01	3.05	4.07	4.98	5.09
6,000.....	0.92	2.79	3.71	4.55	4.64
7,000.....	0.86	2.58	3.44	4.21	4.30
8,000.....	0.80	2.41	3.22	3.94	4.02
9,000.....	0.75	2.27	3.03	3.71	3.79
10,000.....	0.72	2.16	2.88	3.52	3.60
20,000.....	0.51	1.53	2.03	2.49	2.54
30,000.....	0.41	1.25	1.66	2.03	2.08
40,000.....	0.36	1.08	1.44	1.76	1.80
50,000.....	0.32	0.96	1.29	1.58	1.61
60,000.....	0.29	0.88	1.17	1.44	1.47
70,000.....	0.27	0.82	1.09	1.33	1.36
80,000.....	0.25	0.76	1.02	1.25	1.27
90,000.....	0.24	0.72	0.96	1.17	1.20
100,000.....	0.23	0.68	0.91	1.11	1.14
200,000.....	0.16	0.48	0.64	0.79	0.80
315,000.....	0.13	0.38	0.51	0.63	0.64

Table VI. Standard errors for average hourly wages for total staff and nurse's aides

Base of ratio (total staff)	Average hourly wage							
	\$2.00	\$2.50	\$3.00	\$3.50	\$4.00	\$5.00	\$10.00	\$15.00
	Standard error in dollars							
4,000.....	*0.77	*0.91	*1.04	*1.17	*1.29	*1.55	2.79	4.02
5,000.....	*0.69	*0.81	*0.93	1.04	1.16	1.38	2.49	3.59
6,000.....	*0.63	0.74	0.85	0.95	1.06	1.26	2.27	3.28
7,000.....	0.58	0.68	0.78	0.88	0.98	1.17	2.10	3.03
8,000.....	0.55	0.64	0.73	0.82	0.91	1.09	1.97	2.83
9,000.....	0.51	0.60	0.69	0.78	0.86	1.03	1.85	2.67
10,000.....	0.49	0.57	0.65	0.74	0.82	0.98	1.76	2.53
20,000.....	0.34	0.40	0.46	0.52	0.57	0.69	1.23	1.78
30,000.....	0.28	0.33	0.37	0.42	0.47	0.56	1.00	1.44
40,000.....	0.24	0.28	0.32	0.36	0.40	0.48	0.86	1.24
50,000.....	0.22	0.25	0.29	0.32	0.36	0.43	0.77	1.10
60,000.....	0.20	0.23	0.26	0.29	0.33	0.39	0.69	1.00
70,000.....	0.18	0.21	0.24	0.27	0.30	0.36	0.64	0.92
80,000.....	0.17	0.20	0.22	0.25	0.28	0.33	0.59	0.85
90,000.....	0.16	0.18	0.21	0.24	0.26	0.31	0.56	0.80
100,000.....	0.15	0.17	0.20	0.22	0.25	0.29	0.52	0.75
200,000.....	0.10	0.12	0.13	0.15	0.17	0.20	0.34	0.49
300,000.....	0.08	0.09	0.10	0.12	0.13	0.15	0.26	---
400,000.....	0.07	0.08	0.09	0.09	0.10	0.12	---	---
500,000.....	0.06	0.06	0.07	0.08	0.09	0.10	---	---
600,000.....	0.05	0.06	0.06	0.07	0.07	0.08	---	---
778,000.....	0.04	0.04	0.05	0.05	0.05	---	---	---

\*Figure does not meet standards of reliability.

Table VII. Standard errors for average hourly wages for administrative, medical, and therapeutic staff; registered nurses; and licensed practical nurses

Base of ratio (employees)	Average hourly wage							
	\$2.00	\$4.00	\$6.00	\$8.00	\$10.00	\$15.00	\$20.00	\$24.00
	Standard error in dollars							
800.....	*1.02	*1.61	*2.17	*2.70	*3.24	*4.55	5.85	6.89
1,000.....	*0.91	*1.44	*1.94	*2.42	2.90	4.08	5.24	6.17
2,000.....	*0.65	1.03	1.38	1.73	2.07	2.91	3.75	4.42
3,000.....	0.53	0.84	1.14	1.42	1.71	2.41	3.10	3.65
4,000.....	0.46	0.74	0.99	1.24	1.49	2.11	2.71	3.20
5,000.....	0.41	0.66	0.89	1.12	1.35	1.90	2.46	2.90
6,000.....	0.38	0.61	0.82	1.03	1.24	1.76	2.27	2.67
7,000.....	0.35	0.57	0.77	0.96	1.16	1.64	2.12	2.50
8,000.....	0.33	0.53	0.72	0.91	1.09	1.55	2.00	2.37
9,000.....	0.31	0.50	0.69	0.86	1.04	1.48	1.91	2.25
10,000.....	0.30	0.48	0.66	0.83	1.00	1.41	1.83	2.16
20,000.....	0.22	0.36	0.49	0.63	0.76	1.09	1.42	1.68
30,000.....	0.18	0.31	0.43	0.55	0.66	0.96	1.25	1.48
40,000.....	0.16	0.28	0.39	0.50	0.61	0.88	1.15	1.37
50,000.....	0.15	0.26	0.37	0.47	0.57	0.84	1.10	1.30
60,000.....	0.14	0.25	0.35	0.45	0.55	0.80	1.05	1.25
70,000.....	0.14	0.24	0.34	0.43	0.53	0.78	1.02	1.22
80,000.....	0.13	0.23	0.33	0.42	0.52	0.76	1.00	1.19
90,000.....	0.13	0.22	0.32	0.41	0.51	0.74	0.98	1.17
100,000.....	0.12	0.22	0.31	0.40	0.50	0.73	0.96	1.15
200,000.....	0.10	0.19	0.28	0.37	0.45	0.67	0.89	1.07
315,000.....	0.10	0.18	0.27	0.35	0.44	0.65	0.86	---

\*Figure does not meet standards of reliability.

Table VIII. Standard errors of percentages for beds

Base of percent (beds)	Estimated percent				
	1 or 99	10 or 90	20 or 80	40 or 60	50
	Standard error in percentage points				
10,000.....	2.94	8.85	11.80	14.45	14.75
20,000.....	2.08	6.26	8.35	10.22	10.43
30,000.....	1.69	5.11	6.81	8.35	8.52
40,000.....	1.47	4.43	5.90	7.23	7.38
50,000.....	1.31	3.96	5.28	6.46	6.60
60,000.....	1.20	3.61	4.82	5.90	6.02
70,000.....	1.11	3.35	4.46	5.46	5.58
80,000.....	1.04	3.13	4.17	5.11	5.22
90,000.....	0.98	2.95	3.93	4.82	4.92
100,000.....	0.93	2.80	3.73	4.57	4.67
200,000.....	0.66	1.98	2.64	3.23	3.30
300,000.....	0.54	1.62	2.15	2.64	2.69
400,000.....	0.46	1.40	1.87	2.29	2.33
500,000.....	0.42	1.25	1.67	2.04	2.09
600,000.....	0.38	1.14	1.52	1.87	1.90
700,000.....	0.35	1.06	1.41	1.73	1.76
800,000.....	0.33	0.99	1.32	1.62	1.65
900,000.....	0.31	0.93	1.24	1.52	1.56
1,000,000.....	0.29	0.89	1.18	1.45	1.48
1,400,000.....	0.25	0.75	1.00	1.22	1.25



## APPENDIX II

### DEFINITION OF CERTAIN TERMS USED IN THIS REPORT

#### Terms Relating to Facilities

*Facility.*—Nursing homes included in the 1977 National Nursing Home Survey were those classified by the 1973 Master Facility Inventory (MFI) as nursing care homes, personal care homes with nursing, personal care homes, and domiciliary homes. Also included are nursing homes opened for business between the time the 1973 MFI was conducted and December 1976. A nursing home must have three beds or more and may be either free standing or a distinct unit of a larger facility.

*Bed.*—A bed is one that is set up and staffed for use whether or not it was in use by a resident at the time of the survey. Not included are beds used by staff or owners, or beds used exclusively for emergency purposes, solely day care, or solely night care.

*Certified bed.*—A certified bed is one that is certified: (a) as skilled under the Medicare program, under the Medicaid program, or both; or (b) as intermediate under the Medicaid program. (See definition under “Certification” for details.)

*Certification.*—Certification refers to the facility certification by the Medicare and/or Medicaid program(s).

*Medicare.*—Medicare refers to the medical assistance provided in title XVIII of the Social Security Act. Medicare is a health insurance program administered by the Social Security Administration for persons aged 65 years and over and for disabled persons who are eligible for benefits.

*Medicaid.*—Medicaid refers to the medical assistance provided in title XIX of the Social Security Act. Medicaid is a State-administered program for the medically indigent.

*Skilled nursing facility.*—Skilled nursing facility refers to certification as a skilled nursing facility under Medicare, under Medicaid, or under both programs.

*Intermediate care facility.*—Intermediate care facility refers to certification as an intermediate care facility under Medicaid.

*Not certified.*—Not certified refers to facilities that are not certified as providers of care either by Medicare or Medicaid.

*Facility type.*—The criteria for classifying nursing homes are based on the following factors: the percentage of residents receiving nursing care in the week prior to the day of the survey, the availability of registered professional or licensed practical nurses, the administration of medications and treatments in accordance with physician's orders, the supervision over medications that may be self-administered, and the provision of assistance with certain personal services.

*Nursing care.*—This is the highest level.

*All other.*—Other types of facilities include those providing personal care with nursing, personal care, or domiciliary care.

## Financial Variables

*Cost, total.*—The total cost of providing care for residents for the facility's most recently completed fiscal year. For about half the facilities, this corresponded to calendar year 1976. For those not reporting for the calendar year, July and October were the most prevalent starting dates. Excluded from total costs are any losses sustained in the sale or disposition of fixed assets and other extraordinary losses not related to the current cost of providing care.

*Labor costs.*—Labor costs consist of wages and salaries, payroll taxes, and fringe benefits.

*Operating costs.*—Operating costs consist of expenses for food and other dietary items; drugs; supplies and equipment; purchased maintenance of buildings, grounds, and equipment; laundry and linen; health care and other services purchased from outside sources; and utilities.

*Fixed costs.*—Fixed costs consist of equipment rental, insurance, taxes and licenses, interest and finance charges, rent on building and land, and amortization of leasehold improvement.

*Miscellaneous costs.*—Miscellaneous costs are for dues, subscriptions, travel, automobile, advertising, other services not included elsewhere, medical and nonmedical fees, and unclassified expenses.

### Revenues

*Patient care.*—Patient care revenues include payments from Medicare, Medicaid, other public assistance or welfare programs, and private sources, as well as other patient revenues for routine or ancillary health care services.

*Nonpatient.*—Nonpatient revenues include financial contributions,

grants and subsidies received from churches, foundations, voluntary agencies, government agencies, and similar groups for general operating purposes. They also include all other sources of revenue not directly related to patient health care (such as beauty/barber services and vending machines) as well as any revenues received in the form of interest, dividend, and capital gains.

*Net income.*—Net income refers to revenues minus costs.

*Capital returns.*—Capital returns refer to the net income (i.e., revenues minus costs) plus interest.

*Cash flow.*—Cash flow refers to the net income (i.e., revenues minus costs) plus depreciation.

### Location

*Geographic region.*—Facilities are classified by geographic area by grouping the conterminous States into regions. These regions correspond to those used by the U.S. Bureau of the Census:

Region	States included
Northeast .....	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania
North Central..	Michigan, Ohio, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Kansas, Nebraska
South .....	Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Texas,

Tennessee, Alabama,  
Mississippi, Arkansas,  
Louisiana, Oklahoma

West ..... Montana, Idaho, Wy-  
oming, Colorado, New  
Mexico, Arizona, Utah,  
Nevada, Washington,  
Oregon, California.  
(Alaska and Hawaii are  
excluded).

Territory of Pacific Islands,  
and American Samoa are  
excluded.)

Region X..... Idaho, Oregon, Washing-  
ton. (Alaska is excluded.)

*Standard Federal Administrative Re-  
gions.*—Facilities are classified by Stand-  
ard Federal Administrative Regions by  
grouping the conterminous States into  
10 regions. These regions correspond to  
those used throughout the Federal Gov-  
ernment:

<i>Region</i>	<i>States included</i>
Region I.....	Connecticut, Maine, Mass- achusetts, New Hampshire, Rhode Island, Vermont
Region II.....	New York, New Jersey. (Puerto Rico and Virgin Islands are excluded.)
Region III.....	Delaware, Maryland, Penn- sylvania, Virginia, West Virginia, District of Co- lumbia
Region IV.....	Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
Region V.....	Illinois, Indiana, Michigan, Minnesota, Ohio, Wiscon- sin
Region VI.....	Arkansas, Louisiana, New Mexico, Oklahoma, Texas
Region VII...	Iowa, Kansas, Missouri, Nebraska
Region VIII..	Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming
Region IX.....	Arizona, California, Ne- vada. (Hawaii, Guam, Trust

*Ownership.*—Type of ownership refers to the  
type of organization that controls and oper-  
ates the nursing home.

*Proprietary facility.*—A proprietary facil-  
ity is operated under private commercial  
ownership.

*Nonprofit facility.*—A nonprofit facility  
is operated under voluntary or non-  
profit auspices, including both church-  
related facilities and those not church-  
related.

*Government facility.*—A government  
facility is operated under Federal, State,  
or local government auspices.

*Service.*—Type of service refers to classes of  
services offered by a nursing home to either  
residents or nonresidents. These services fall  
into five major categories: health care,  
therapy services provided by professionals  
at the nursing home, homemaking services,  
social services, and other types of services.  
Some of the individual categories are:

*Day care.*—Day care is a service in which  
a person receives nursing and personal  
care during the day only and does not  
stay overnight in the facility.

*Friendly visiting.*—Friendly visiting is a  
service program in which staff of the  
facility regularly visits persons in their  
own homes to maintain personal con-  
tact.

*Homemaker or chore service.*—Home-  
maker or chore service is a program  
under which a staff member of the  
facility periodically visits the house of  
a nonresident to perform basic house-  
keeping services, for example, dusting,  
washing dishes, grocery shopping, etc.

*Telephone check.*—A telephone check  
consists of a daily phone call from the

facility's staff to a nonresident at a pre-arranged time to check on his/her condition.

*Type of Facility.*—(See "Facility type.")

*Type of Service.*—(See "Service.")

## Terms Relating to Staff

*Employee.*—An employee is an individual providing direct or health-related services to the residents of the nursing home. Included under this definition are full-time employees, part-time employees, personnel employed under contract who worked in the facility in the month preceding the survey, and members of religious orders who donated their services. Excluded are volunteers who provided enrichment or extra services, contract personnel who did not work in the facility in the last month, and attending physicians who have only private patients in the facility. Also excluded are staff in certain facilities that were units of larger institutions when staff could not specifically be designated as working in the unit.

### *Employment Status*

*Full-time.*—A "full-time" employee worked 35 hours or more in the week prior to the survey.

*Part-time.*—A "part-time" employee worked less than 35 hours in the week prior to the survey.

*Full-time equivalent (FTE).*—Thirty-five hours of part-time employees' work per week is considered equivalent to that of one full-time employee.

*Race/Ethnic Origin.*—Race/ethnic origin refers to the primary racial or ethnic origin as reported by the staff member personally.

*White (not Hispanic).*—White (not Hispanic) refers to a person having origins in any of the original peoples of Europe, North Africa, or the Middle East.

*Black (not Hispanic).*—Black (not Hispanic) refers to a person having origins

in any of the black racial groups of Africa.

*Hispanic.*—Hispanic refers to a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

*Other.*—Other refers to a person having origins in the American Indian, Alaska native, or Asian or Pacific Islander groups described as follows:

#### *American Indian or Alaska native.*—

An American Indian or Alaska native is a person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.

*Asian or Pacific Islander.*—An Asian or Pacific Islander is a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes, for example, China, India, Japan, Korea, the Phillipine Islands, and Samoa.

### *Occupational Categories*

*Administrative and medical staff.*—The administrative and medical staff are those staff members who are administrators, assistant administrators, physicians (M.D. and D.O.), dentists, pharmacists, dietitians or nutritionists, registered medical records administrators, other medical record administrators and technicians, and members of other professional occupations.

*Medical director.*—The medical director is the professional person or group who coordinates the medical activities of the facility, both internally and with respect to Federal and State rules and regulations.

*Other professional occupations.*—Other professional occupations include the categories of psychologist, X-ray technician, and those professional occupations

not included in the administrative and medical staff category.

*Therapeutic staff.*—The therapeutic staff is those staff members who are registered occupational therapists, registered physical therapists, activities directors, social workers, speech pathologists or audiolo-

gists, occupational therapist assistants, physical therapist assistants, or social worker technicians and assistants.

*Vacant staff positions.*—Vacant staff positions are unfilled staff positions in the budget of the nursing home.



APPENDIX III

SURVEY INSTRUMENTS USED IN THE  
FACILITY AND STAFF PORTION OF THE  
1977 NATIONAL NURSING HOME SURVEY

Facility Questionnaire

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
Health Resources Administration  
National Center for Health Statistics  
1977 National Nursing Home Survey

FACILITY QUESTIONNAIRE

OMB # 68-575025	APPROVAL EXPIRES 12-31-77

<b>A. Telephone Number</b> <input type="text"/> <input type="text"/> - <input type="text"/> Area Code                      Number	<b>B. Interviewer Name</b> _____
<b>C. Date of Interview</b> <input type="text"/> <input type="text"/> <input type="text"/> Mo.                      Day                      Year	<b>D. Start Time</b> _____ 1 <input type="checkbox"/> am _____ 2 <input type="checkbox"/> pm

**INTERVIEWER NOTE:** Please read the Facility Questionnaire Prompt Card BEFORE you begin the interview.

**1. ACCORDING TO OUR RECORDS, THE NAME OF THIS FACILITY IS:** (Read name of facility on label.)

**a. IS THERE AN ERROR IN THIS NAME?**

1  Yes      2  No (Skip to Q.2)

**b. WHAT IS THE CORRECT NAME OF THIS FACILITY?**

**2. ACCORDING TO OUR RECORDS, THE MAILING ADDRESS OF THIS FACILITY IS:** (Read address on label.)

**a. IS THERE AN ERROR IN THIS ADDRESS?**

1  Yes      2  No (Skip to Q.3)

**b. WHAT IS THE CORRECT MAILING ADDRESS OF THIS FACILITY?**

Number	Street	P.O. Box, Route, etc.
City or Town		County
State		Zip Code

**3. HAS THIS NURSING HOME BEEN IN BUSINESS AT THIS ADDRESS FOR TWO YEARS OR LONGER? COUNT FROM THE TIME IT FIRST OPENED AT THIS ADDRESS AS A NURSING HOME, EVEN THOUGH THE OWNERSHIP OR THE SERVICES OFFERED MAY HAVE CHANGED.**

1  Yes      2  No

**4. ARE ANY OF THE FOLLOWING SERVICES ROUTINELY PROVIDED TO RESIDENTS IN ADDITION TO ROOM AND BOARD:**

- a. SUPERVISION OVER MEDICATIONS WHICH MAY BE SELF-ADMINISTERED? . . . . . 1  Yes 2  No
- b. MEDICATIONS AND TREATMENTS ADMINISTERED IN ACCORDANCE WITH PHYSICIAN'S ORDERS? . . . . . 1  Yes 2  No
- c. RUB AND MASSAGE? . . . . . 1  Yes 2  No
- d. HELP WITH TUB BATH OR SHOWER? . . . . . 1  Yes 2  No
- e. HELP WITH DRESSING? . . . . . 1  Yes 2  No
- f. HELP WITH CORRESPONDENCE OR SHOPPING? . . . . . 1  Yes 2  No
- g. HELP WITH WALKING OR GETTING ABOUT? . . . . . 1  Yes 2  No
- h. HELP WITH EATING? . . . . . 1  Yes 2  No

**OR**

- i. NONE OF ABOVE SERVICES ROUTINELY PROVIDED, ONLY ROOM AND BOARD PROVIDED? 1  Yes

*INTERVIEWER: This facility is out-of-scope of the survey. Please terminate interview.* ←

**5a. IS THIS FACILITY A DISTINCT NURSING HOME UNIT OF A HOSPITAL, ANOTHER HEALTH INSTITUTION, OR A RETIREMENT CENTER?**

- 1  Yes 2  No (*Skip to Q.6a*)

**b. HOW MANY BEDS ARE IN THE ENTIRE FACILITY INCLUDING THE NURSING HOME UNIT?**

--	--	--	--	--

**READ: FOR THE REMAINDER OF THE INTERVIEW, THE QUESTIONS REFER ONLY TO THE NURSING HOME UNIT.**

8a. **Show Flashcard #1**

**WHAT IS THE TYPE OF OWNERSHIP WHICH OPERATES THIS FACILITY?**

- 01  Individual
- 02  Partnership
- 03  Corporation
- 04  Church related
- 05  Nonprofit corporation
- 06  Other nonprofit ownership
- 07  State
- 08  County
- 09  City
- 10  City-County
- 11  Hospital District
- 12  U.S. Public Health Service
- 13  Armed Forces
- 14  Veterans Administration
- 15  Other Federal Agency, Specify \_\_\_\_\_

For profit

**b. IS THIS FACILITY A MEMBER OF A GROUP OF FACILITIES OPERATING UNDER ONE GENERAL AUTHORITY OR GENERAL OWNERSHIP?**

- 1  Yes      2  No

**7a. DOES YOUR FACILITY ACCEPT BOTH MALES AND FEMALES?**

- 1  Yes (Skip to Q.8a)      2  No

**b. DOES IT ACCEPT ONLY MALES OR ONLY FEMALES?**

- 1  Only males  
2  Only females

**8a. HAS YOUR FACILITY SET A MINIMUM AGE BELOW WHICH NO ONE IS ACCEPTED?**

- 1  Yes      2  No (Skip to Q.8c)

**b. WHAT IS THAT MINIMUM AGE?**

Years

**c. HAS YOUR FACILITY SET A MAXIMUM AGE ABOVE WHICH NO ONE IS ACCEPTED?**

- 1  Yes      2  No (Skip to Q.9)

**d. WHAT IS THAT MAXIMUM AGE?**

Years



**9. DOES YOUR FACILITY ACCEPT PERSONS WHO ARE PRIMARILY DIAGNOSED AS:**

- a. MENTALLY ILL OR EMOTIONALLY DISTURBED? . . . . . 1  Yes 2  No
- b. MENTALLY RETARDED? . . . . . 1  Yes 2  No
- c. ALCOHOLICS? . . . . . 1  Yes 2  No
- d. DRUG ADDICTS? . . . . . 1  Yes 2  No
- e. SENILE? . . . . . 1  Yes 2  No

**10. WHAT IS THE TOTAL NUMBER OF BEDS REGULARLY MAINTAINED FOR RESIDENTS?**

INCLUDE ALL BEDS SET UP AND STAFFED FOR USE WHETHER OR NOT THEY ARE IN USE BY RESIDENTS AT THE PRESENT TIME. DO NOT INCLUDE BEDS USED BY STAFF OR OWNERS OR BEDS USED EXCLUSIVELY FOR EMERGENCY PURPOSES, SOLELY DAY CARE, OR SOLELY NIGHT CARE.

Total beds

**11. WHAT IS THE NUMBER OF BEDS IN THIS FACILITY THAT ARE LICENSED BY THE HEALTH DEPARTMENT OR OTHER RESPONSIBLE AGENCY?**

Total licensed beds

**12a. WAS THERE A CHANGE IN THE TOTAL NUMBER OF BEDS REGULARLY MAINTAINED DURING 1976?**

- 1  Yes 2  No (Skip to Q.13)

**b. IN WHICH MONTHS WAS THE NUMBER OF BEDS CHANGED?**

c. (Ask for each change:) IN (month), WAS THAT AN INCREASE OR DECREASE?

d. (Ask for each change:) HOW MANY BEDS?

Month	Increase (Number added)	Decrease (Number eliminated)
<input style="width: 30px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>
<input style="width: 30px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>
<input style="width: 30px;" type="text"/>	<input style="width: 50px;" type="text"/>	<input style="width: 50px;" type="text"/>

**13. IS THIS FACILITY CERTIFIED BY BOTH MEDICARE AND MEDICAID, MEDICARE ONLY, MEDICAID ONLY, OR NEITHER?**

- 1  Both Medicare and Medicaid
- 2  Medicare only
- 3  Medicaid only (Skip to Q.16)
- 4  Neither (Skip to Q.24)

14a. HOW MANY BEDS ARE CERTIFIED UNDER MEDICARE?  beds

b. ARE THESE BEDS A PHYSICALLY DISTINCT UNIT FROM THE REST OF THE FACILITY? 1  Yes 2  No

15. **Show Flashcard #2** WHICH OF THE REIMBURSEMENT METHODS AUTHORIZED BY MEDICARE IS USED BY THIS FACILITY?

1  RCCAC Method (Departmental-Relationship of Charges to Charges Applied to Cost Method; i.e., costs are apportioned by applying a percentage representing the beneficiaries' share of total charges, on departmental basis, to total costs for the respective departments.)

2  Combination Method (For routine services such as room, board, and nursing services the providers total allowable costs are apportioned on the basis of the relative number of patient days for beneficiaries and for other patients. For non-routine or ancillary services, the providers allowable costs are apportioned on the basis of a percentage representing the beneficiaries' share of the total charges to all patients for these services.)

3  Other, Specify \_\_\_\_\_  
\_\_\_\_\_

9  Don't Know

INTERVIEWER NOTE: Skip to Q.23a if "Medicare only" in Q.13.

16. IS THIS FACILITY CERTIFIED AS AN SNF, THAT IS A SKILLED NURSING FACILITY, BY THE MEDICAID PROGRAM?

1  Yes 2  No (Skip to Q.19)

17a. HOW MANY BEDS ARE CERTIFIED UNDER MEDICAID AS SNF BEDS?  beds

b. ARE THESE BEDS A PHYSICALLY DISTINCT UNIT FROM THE REST OF THE FACILITY?

1  Yes 2  No

18a. **Show Flashcard #3** WHICH OF THE FOLLOWING REIMBURSEMENT METHODS FOR SNF-MEDICAID PATIENTS IS USED BY THE FACILITY?

1  Flat Rate Only → b. WHAT IS THE FLAT RATE? \$  c. per 1  day  
per 2  week  
per 3  month  
per 4  other, specify \_\_\_\_\_  
\_\_\_\_\_

2  Flat Rate Plus Point System for Ancillary Services → d. WHAT IS THE FLAT RATE PORTION?

3  Cost Plus Allowable Profit \$  e. per 1  day  
per 2  week  
per 3  month  
per 4  other, specify \_\_\_\_\_  
\_\_\_\_\_

4  Other, Specify \_\_\_\_\_

9  Don't Know

19. IS THIS FACILITY CERTIFIED AS AN ICF, THAT IS AN INTERMEDIATE CARE FACILITY, BY THE MEDICAID PROGRAM?

1  Yes 2  No (Skip to Note above Q.22)

20a. HOW MANY BEDS ARE CERTIFIED UNDER MEDICAID AS ICF BEDS? [ ] beds

b. ARE THESE BEDS A PHYSICALLY DISTINCT UNIT FROM THE REST OF THE FACILITY? 1  Yes 2  No

21a. Show Flashcard #3 WHICH OF THE FOLLOWING REIMBURSEMENT METHODS FOR ICF-MEDICAID PATIENTS IS USED BY THE FACILITY?

1  Flat Rate Only -> b. WHAT IS THE FLAT RATE? \$ [ ] c. per 1  day per 2  week per 3  month per 4  other, specify [ ]

2  Flat Rate Plus Point System for Ancillary Services -> d. WHAT IS THE FLAT RATE PORTION?

3  Cost Plus Allowable Profit \$ [ ] e. per 1  day per 2  week per 3  month per 4  other, specify [ ]

9  Don't Know

INTERVIEWER NOTE: Skip to Q.23a if the facility is certified by only one program and at only one level of care.

22. SOMETIMES THE SAME BED IS CERTIFIED BY MORE THAN ONE PROGRAM. WITH REGARD TO THESE SO CALLED "SWING BEDS", HOW MANY BEDS IN YOUR FACILITY ARE CERTIFIED:

- a. AS SNF BEDS UNDER BOTH MEDICARE AND MEDICAID? [ ]
b. AS BOTH ICF AND SNF BEDS UNDER MEDICAID? [ ]
c. AS MEDICAID-ICF AND MEDICARE-SNF BEDS? [ ]
d. UNDER ALL THREE PROGRAMS THAT IS, MEDICARE-SNF, MEDICAID-SNF, AND MEDICAID-ICF? [ ]

23a. DO YOU HAVE ANY BEDS NOT CERTIFIED BY EITHER MEDICAID OR MEDICARE?

1  Yes 2  No (Skip to Q.24)

b. HOW MANY OF THESE BEDS DOES YOUR FACILITY HAVE?

[ ] Beds

24. HOW MANY PERSONS WERE ADMITTED TO THIS FACILITY DURING 1976?

[ ] admissions none

---

**25a. DOES THIS FACILITY ACCEPT TEMPORARY ADMISSIONS OF PERSONS WHOSE USUAL CARETAKERS ARE ILL, ON VACATION, OR OTHERWISE UNAVAILABLE?**

1  Yes      2  No (Skip to Q.26)

**b. HOW MANY TEMPORARY RESIDENTS WERE ADMITTED TO THIS FACILITY DURING 1976?**

temporary admissions      none

---

**26a. WE WOULD LIKE TO OBTAIN INFORMATION ON DAYS OF CARE PROVIDED BY THE FACILITY FOR YOUR MOST RECENTLY COMPLETED FISCAL YEAR, THAT IS, THE TWELVE MONTH PERIOD ON WHICH YOU COMPUTE THE FACILITY'S EXPENSES. IS THIS INFORMATION AVAILABLE FOR A FISCAL YEAR?**

1  Yes      2  No (Skip to Q.26c)

**b. WHAT WAS THIS TIME PERIOD?**

Mo.      Year      Mo.      Year  
from   through

(If this is less than a twelve month period, please record the number of months in this box.)

Skip to Q.26d

**c. FOR WHAT TIME PERIOD IS THIS INFORMATION AVAILABLE?**

Mo.      Year      Mo.      Year  
from   through

(If this is less than a twelve month period, please record the number of months in this box.)

**d. FOR THIS PERIOD, WHAT WERE THE TOTAL INPATIENT DAYS OF CARE PROVIDED, THAT IS THE SUM OF THE DAILY PATIENT CENSUS COUNT BY TYPE OF CERTIFICATION? DO NOT INCLUDE CASES THAT ARE DAY CARE ONLY.**

- (1) Total Days:           days       Mark (X) if estimated
- (2) SNF-Medicare           days       Mark (X) if estimated       not applicable
- (3) SNF-Medicaid           days       Mark (X) if estimated       not applicable
- (4) ICF-Medicaid           days       Mark (X) if estimated       not applicable
- (5) All Other Days           days       Mark (X) if estimated       not applicable
-

**Confidential Information**

*Interviewer, Read:* Information contained on this form which would permit identification of any individual or establishment has been collected with a guarantee that it will be held in strict confidence, will be used only for purposes stated for this study, and will not be disclosed or released to others without the consent of the individual or the establishment in accordance with Section 308(d) of the Public Health Service Act (42 USC 242m).

**27a. COUNTING FROM THE TIME IT WAS ORIGINALLY CONSTRUCTED, HOW OLD IS THIS BUILDING?** (*Interviewer: Round fractions to nearest whole year. If interval is given, record mid-point and mark "if estimated" box.*)

Years (Mark (X) box  if estimated)  Don't Know

**b. WAS THIS BUILDING ORIGINALLY CONSTRUCTED SPECIFICALLY FOR USE AS A NURSING HOME?** (*Interviewer: Other terms for nursing homes are rest home, home for the aged, mentally ill, or mentally retarded.*)

1  Yes (*Skip to Q.27d*) 2  No 9  Don't know (*Skip to Q.27d*)

**c. WHAT WAS THE ORIGINAL PURPOSE OR USE OF THIS BUILDING?**

- 1  Private home, apartment, hotel/motel
- 2  Hospital, sanitarium, or other health related building
- 3  Other, Specify \_\_\_\_\_

**d. NOT COUNTING PAINTING OR PAPERING, HAS THE STRUCTURE OF THIS BUILDING EVER BEEN RENOVATED OR REMODELED?**

1  Yes 2  No (*Skip to Q.28*) 9  Don't know (*Skip to Q.28*)

**e. Show Flashcard #4 WHICH OF THE FOLLOWING CHANGES WERE MADE?** (*Mark (X) all that apply; then ask 27f for each change.*)

**f. IN WHAT YEAR WAS THE MOST RECENT (change)?**

	Year	In Process	Don't Know
(1) Addition to the building constructed . . . . .	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) Fire safety equipment/construction added or changed . . . . .	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) Interior remodeling . . . . .	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) Other, Specify _____	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

**28. HOW MANY ROOMS FOR RESIDENTS DOES THIS FACILITY HAVE THAT CONTAIN:**

- a. 1 BED ONLY?  rooms None
- b. 2 BEDS?  rooms None
- c. 3 BEDS?  rooms None
- d. 4 OR MORE BEDS?  rooms None

---

**29a. FOR THE DAY SHIFT YESTERDAY, WAS THE PERSON IN CHARGE OF NURSING CARE FOR THE ENTIRE FACILITY ON CALL OR ON DUTY, THAT IS AWAKE, DRESSED, AND SERVING THE RESIDENTS?**

1  On Call *(Skip to Q.30a)*

2  On Duty

**b. WHAT IS THE LEVEL OF SKILL OF THIS PERSON?**

1  Registered Nurse

2  Licensed Practical Nurse

3  Nurse's Aide or Orderly

4  Other (Specify Occupation) \_\_\_\_\_

**c. WHAT HOURS DID THIS PERSON ACTUALLY WORK YESTERDAY? (Mark (X) am or pm)**

from  :  1  am to  :  1  am  
2  pm 2  pm

---

**30a. FOR THE EVENING SHIFT YESTERDAY, WAS THE PERSON IN CHARGE OF NURSING CARE FOR THE ENTIRE FACILITY ON CALL OR ON DUTY?**

1  On Call *(Skip to Q.31a)*

2  On Duty

3  No Such Shift *(Skip to Q.31a)*

**b. WHAT IS THE LEVEL OF SKILL OF THIS PERSON?**

1  Registered Nurse

2  Licensed Practical Nurse

3  Nurse's Aide or Orderly

4  Other (Specify Occupation) \_\_\_\_\_

**c. WHAT HOURS DID THIS PERSON ACTUALLY WORK YESTERDAY? (Mark (X) am or pm)**

from  :  1  am to  :  1  am  
2  pm 2  pm

---

**31a. FOR THE NIGHT SHIFT YESTERDAY, WAS THE PERSON IN CHARGE OF NURSING CARE FOR THE ENTIRE FACILITY ON CALL OR ON DUTY?**

- 1  On Call (Skip to Q.32)
- 2  On Duty
- 3  No Such Shift (Skip to Q.32)

**b. WHAT IS THE LEVEL OF SKILL OF THIS PERSON?**

- 1  Registered Nurse
- 2  Licensed Practical Nurse
- 3  Nurse's Aide or Orderly
- 4  Other (Specify Occupation) \_\_\_\_\_

**c. WHAT HOURS DID THIS PERSON ACTUALLY WORK YESTERDAY? (Mark (X) am or pm)**

from [ ] : [ ] 1  am to [ ] : [ ] 1  am  
2  pm 2  pm

**32. HOW MANY DIFFERENT PHYSICIANS CURRENTLY ATTEND THEIR OWN PRIVATE PATIENTS IN THIS FACILITY? (Do not count physicians who are on the staff of the facility or are employed under contract.)**

[ ] Physicians or  none

**33a. DOES THE FACILITY HAVE A MEDICAL DIRECTOR?**

- 1  Yes
- 2  No (Skip to Q.34)

**b. Show Flashcard #5 UNDER WHICH OF THESE TYPES OF ARRANGEMENTS IS THE MEDICAL DIRECTION OF THIS FACILITY PROVIDED?**

- 1  An individual physician
- 2  A physician partnership or group practice
- 3  Several individual physicians
- 4  An H.M.O., medical school, or medical society
- 5  Hospital Staff
- 6  Other, Specify \_\_\_\_\_

**34. DOES THIS FACILITY ROUTINELY PROVIDE ON THE PREMISES ANY OF THE FOLLOWING THERAPIES BY A LICENSED, REGISTERED, OR PROFESSIONALLY TRAINED THERAPIST:**

- a. PHYSICAL THERAPY? . . . . . 1  Yes 2  No
- b. OCCUPATIONAL THERAPY? . . . . . 1  Yes 2  No
- c. RECREATIONAL THERAPY? . . . . . 1  Yes 2  No
- d. SPEECH AND HEARING THERAPY? . . . . . 1  Yes 2  No
- e. COUNSELING/THERAPY BY PSYCHIATRIST, PSYCHOLOGIST, OR MENTAL HEALTH WORKER? 1  Yes 2  No
- f. COUNSELING BY SOCIAL WORKER? . . . . . 1  Yes 2  No
- g. OTHER REHABILITATION THERAPIES? Specify \_\_\_\_\_ 1  Yes 2  No

---

**35a. DOES THIS FACILITY KEEP A WAITING LIST OF PERSONS TO BE ADMITTED WHEN A BED BECOMES AVAILABLE?**

1  Yes    2  No (Skip to Q.36a)

**b. HOW MANY PEOPLE ARE PRESENTLY ON THIS WAITING LIST?**

people or  None

---

**36a. DOES THIS FACILITY PROVIDE ANY SERVICES TO PERSONS WHO ARE NOT RESIDENTS OF THE FACILITY?**

1  Yes    2  No (Skip to Q.38)

**b. FOR WHICH OF THE FOLLOWING CATEGORIES OF NON-RESIDENTS DO YOU PROVIDE SERVICES:**

- (1) (If appropriate) PERSONS ON THE WAITING LIST? . . . . . 1  Yes    2  No
  - (2) DISCHARGED RESIDENTS? . . . . . 1  Yes    2  No
  - (3) ANY PERSON WHO APPLIES? . . . . . 1  Yes    2  No
  - (4) ANY OTHER TYPE OF NON-RESIDENT? Specify \_\_\_\_\_ 1  Yes    2  No
- 

**37. Show Flashcard #6 WHICH OF THE FOLLOWING SERVICES DO YOU PROVIDE TO NON-RESIDENTS? (Mark (X) all that apply.)**

- a.  Day care (services provided during the day to persons who do not sleep in the facility overnight.)
  - b.  Physical therapy
  - c.  Occupational, recreational, or speech and hearing therapy
  - d.  Psychiatric care
  - e.  Home health care services
  - f.  Meals either home delivered or in a group setting
  - g.  Transportation and/or escort services
  - h.  Homemaker or chore services
  - i.  Information and/or referral for health needs
  - j.  Friendly visiting
  - k.  Daily telephone checking service
  - l.  Arrangement or provision of recreational activities
  - m.  Laundry service
  - n.  Other, Specify \_\_\_\_\_
- 

**38. DOES THIS FACILITY HAVE ANY VACANT STAFF POSITIONS IN ITS BUDGET THAT IT IS CURRENTLY TRYING TO FILL?**

1  Yes    2  No (Skip to Note below Q.39)

---



39. Show Flashcard #7 **HOW MANY VACANT FULL TIME AND PART TIME STAFF POSITIONS ARE IN THE BUDGET FOR THE FOLLOWING OCCUPATIONS? FULL TIME IS DEFINED AS 35 HOURS OR MORE PER WEEK.**

	Full Time	Part Time	
a. Administrator/Asst. Administrator . . . . .			<input type="checkbox"/> None
b. Physician (M.D. or D.O.), Residents and Interns . . .			<input type="checkbox"/> None
c. Dentists . . . . .			<input type="checkbox"/> None
d. Pharmacists . . . . .			<input type="checkbox"/> None
e. Registered Occupational Therapists . . . . .			<input type="checkbox"/> None
f. Registered Physical Therapists . . . . .			<input type="checkbox"/> None
g. Speech Pathologist and/or Audiologists . . . . .			<input type="checkbox"/> None
h. Activities Directors . . . . .			<input type="checkbox"/> None
i. Dieticians or Nutritionists . . . . .			<input type="checkbox"/> None
j. Registered Medical Records Administrators . . . . .			<input type="checkbox"/> None
k. Social Workers . . . . .			<input type="checkbox"/> None
l. Other Professional Occupations . . . . .			<input type="checkbox"/> None
m. Registered Nurses (R.N.) . . . . .			<input type="checkbox"/> None
n. Licensed Practical Nurses (L.P.N.) or Licensed Vocational Nurses (L.V.N.) . . . . .			<input type="checkbox"/> None
o. Nurses Aides/Orderlies . . . . .			<input type="checkbox"/> None
p. Office Staff . . . . .			<input type="checkbox"/> None
q. Food Service Personnel . . . . .			<input type="checkbox"/> None
r. Housekeeping/Maintenance Personnel . . . . .			<input type="checkbox"/> None
s. Other, Specify _____			<input type="checkbox"/> None

Name of the Respondent \_\_\_\_\_ \* \_\_\_\_\_ Title \_\_\_\_\_

E. End Time _____ 1 <input type="checkbox"/> am _____ 2 <input type="checkbox"/> pm	F. Time Elapsed         Minutes
--	---------------------------------

**THANK YOU FOR YOUR TIME AND COOPERATION**

**INTERVIEWER NOTE:** After completing the above items and thanking the respondent, continue the interviewing process with Prompt Card #3.

Facility Worksheet

FACILITY WORKSHEET

Facility Name \_\_\_\_\_

Respondent \_\_\_\_\_

Title \_\_\_\_\_

TOTAL NUMBER OF INPATIENT DAYS OF CARE PROVIDED  
BY TYPE OF PROGRAM.

SNF MEDICARE DAYS: \_\_\_\_\_

SNF MEDICAID DAYS: + \_\_\_\_\_

ICF MEDICAID DAYS: + \_\_\_\_\_

ALL OTHER DAYS: + \_\_\_\_\_

= \_\_\_\_\_

- Total number of  
inpatient days of  
care at this facility  
for 1976.

## Staff Classification Card

### STAFF CLASSIFICATION CARD

**WHICH OF THE FOLLOWING JOB CATEGORIES BEST FITS THE JOB WHICH THIS EMPLOYEE DOES IN THIS FACILITY? (If the employee performs more than one job, select the job for which the employee spends the most time.)**

01. Administrator, Assistant Administrator
02. Physician (M.D. or D.O.)
03. Residents and Interns
04. Dentist
05. Pharmacist
06. Registered Occupational Therapist
07. Other Occupational Therapist or Assistant
08. Registered Physical Therapist
09. Other Physical Therapist or Assistant
10. Activities Director (Recreational Therapist)
11. Dietician or Nutritionist
12. Social Worker
13. Social Work Technician/Assistant
14. Speech Pathologist and/or Audiologist
15. Registered Medical Records Administrator
16. Other Medical Records Administrator or Technician
17. Registered Nurse (R.N.)
18. Licensed Practical Nurse (L.P.N.) or Licensed Vocational Nurse (L.V.N.)
19. Nurse's Aide/Orderly
20. Other Professional Occupations (Including Psychologist, X-Ray Technicians, etc.)



**STAFF SAMPLING LIST—CONTINUED**

LINE NO.	STAFF NAMES	STAFF OCCUPATION CODES				
		Group A (Contract) 01-16 and 20	Group B 01-16 and 20	Group C 17	Group D 18	Group E 19
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						

**STAFF SAMPLING LIST—CONTINUED**

LINE NO.	STAFF NAMES	STAFF OCCUPATION CODES				
		Group A (Contract) 01-16 and 20	Group B 01-16 and 20	Group C 17	Group D 18	Group E 19
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						

**STAFF SAMPLING LIST-CONTINUED**

LINE NO.	STAFF NAMES	STAFF OCCUPATION CODES				
			Group B 01-16 and 20	Group C 17	Group D 18	Group E 19
71						
72						
73						
74						
76						
77						
78						
79						
81						
82						
83						
84						
86						
87						
88						
89						
91						
92						
93						
94						
96						
97						
98						
99						

TOTAL LISTED IN GROUPS:    A = \_\_\_\_\_    B = \_\_\_\_\_    C = \_\_\_\_\_    D = \_\_\_\_\_    E = \_\_\_\_\_

## Letter to Staff Member



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
HEALTH RESOURCES ADMINISTRATION  
ROCKVILLE, MARYLAND 20857

NATIONAL CENTER FOR  
HEALTH STATISTICS

Dear Staff Member:

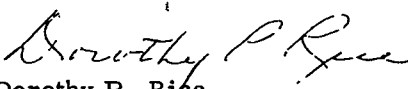
You were recently asked to complete a questionnaire for the National Nursing Home Survey being conducted by the National Center for Health Statistics of the U.S. Public Health Service in the Department of Health, Education, and Welfare.

I want to emphasize that the information you supply will be used solely for statistical research and reporting purposes. No information collected under the authority of Section 306 (42 USC 242K) of the Public Health Service Act may be used for any purpose other than the purpose for which it was supplied, and such information may not be published or released in other form if the individual or establishment is identifiable unless the individual or establishment has consented to such release.

The published statistics based on this survey will show the background and training of nursing home employees at the national and regional levels. These data will be used to develop private and public health manpower training programs. Because you were randomly selected in the sample for a particular occupational group, your responses represent others in that group. Although your participation is voluntary, it is essential that all staff members respond so that the data are accurate and complete.

Since we have not received your completed questionnaire, another copy of the questionnaire and a postage-paid business reply envelope are enclosed. We would greatly appreciate your cooperation in completing and returning your questionnaire within five working days. The questionnaire takes only a few minutes to complete, and your answers are totally confidential. If you have any questions, you may call 301/770-2048 collect for answers.

Sincerely yours,

  
Dorothy P. Rice  
Director

Enclosures



# Staff Questionnaire

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
PUBLIC HEALTH SERVICE  
Health Resources Administration  
National Center for Health Statistics  
1977 National Nursing Home Survey

## STAFF QUESTIONNAIRE

OMB # 68-575025  
APPROVAL EXPIRES 12-31-77

CONTROL NO.

A. LINE NO. <input type="text"/>	B. OCCUPATION CODE <input type="text"/>	C. _____ (Occupational Title)
----------------------------------	---	----------------------------------

**Confidential Information**

Information contained on this form which would permit identification of any individual or establishment has been collected with a guarantee that it will be held in strict confidence, will be used only for purposes stated for this study, and will not be disclosed or released to others without the consent of the individual or the establishment in accordance with Section 308(d) of the Public Health Service Act (42 USC 242m).

### PLEASE READ THESE INSTRUCTIONS BEFORE YOU BEGIN TO ANSWER THE STAFF QUESTIONNAIRE.

The letter accompanying this questionnaire explains the purposes of the survey, the uses of the information, and the confidentiality of the data. Please read this letter carefully before completing the questionnaire.

The occupation for which you were sampled is cited in Item C above. All questions about your work refer to that occupation and you should keep that in mind as you complete this instrument.

Most of the questions have detailed instructions printed in italics after them. The instructions were put there to help you to give the most accurate answer possible to the questions. If you have any questions regarding items on the questionnaire or how you should complete it, please call COLLECT 301-770-2048 and a National Nursing Home Survey employee will be available to help you.

Your cooperation in carefully completing the questionnaire is greatly appreciated. It should take only a few minutes of your time and the information that you provide is very important. As stressed in the letter, these data are held in strictest confidence. When you have completed the questionnaire, please seal it in the postage-paid envelope provided. You may return it to the interviewer if he is still in the facility or drop it in the mail to the address cited on the bottom of page 4.

**1. HOW LONG HAVE YOU WORKED IN THE OCCUPATION SPECIFIED IN ITEM C ON THE FRONT OF THIS QUESTIONNAIRE:**

*(Please be sure that both years and months are filled in. If less than one year, enter "00" in Yrs. box; if less than one month, enter "00" in Mos. box.)*

**a. IN THIS FACILITY?**

Yrs. Mos.

**b. IN OTHER NURSING HOMES, HOMES FOR THE AGED, HOSPITALS, OR SIMILAR FACILITIES? (Only count work experience before your employment in this facility.)**

OR Mark this box if you have never worked in any other nursing or hospital facility.

**2. ARE YOU A MEMBER OF THE STAFF OF THIS FACILITY OR EMPLOYED UNDER CONTRACT?**

*(Mark only one box)*

- 1  Staff member (Part Time or Full Time)      2  Under contract (Part Time or Full Time)  
3  Other arrangement, Specify \_\_\_\_\_

**3. DO YOU USUALLY PERFORM ANY OF THE FOLLOWING SERVICES IN THIS FACILITY?**

*(Mark the Yes or No box for each line)*

- |  |                                |                               |
|--|--------------------------------|-------------------------------|
| a. Administration of the facility . . . . .                      | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| b. Screening persons for admission . . . . .                     | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| c. Nursing care . . . . .  | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| d. Medical and dental care . . . . .                             | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| e. Physical therapy . . . . .                                    | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| f. Occupational therapy . . . . .                                | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| g. Recreational therapy . . . . .                                | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| h. Speech and hearing therapy . . . . .                          | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| i. Social work, counseling (religious, etc.) . . . . .           | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| j. Training of staff . . . . .                                   | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| k. Supervision of staff . . . . .                                | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| l. Clerical work, medical and social record keeping . . . . .    | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| m. Kitchen/dietary work, grocery shopping . . . . .              | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| n. Housekeeping services, maintenance, care of grounds . . . . . | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |
| o. Other, Specify _____  | 1 <input type="checkbox"/> Yes | 2 <input type="checkbox"/> No |

**4. HOW MANY HOURS PER WEEK DO YOU USUALLY WORK IN THIS FACILITY?**

hours per 1  week  
2  other time period, Specify \_\_\_\_\_

**5a. DO YOU USUALLY WORK ANY ADDITIONAL HOURS IN YOUR PROFESSION BESIDES THE HOURS WORKED IN THIS FACILITY?**

2  No *(Skip to Question 6.)*

1  Yes → **b. HOW MANY?**  hours per 1  week  
2  other time period, Specify \_\_\_\_\_

**6a. WHAT IS THE HIGHEST YEAR OF EDUCATION YOU HAVE COMPLETED?**

(Please circle only the highest completed year; include whatever professional training you have had.)

0 1 2 3 4 5 6 7 8	9 10 11 12	13 14 15 16	17 18+
Elementary	High School	College and/or Other Training	More Than Four Years of College and/or Other Training

If your highest year of completed education is less than 14 years, skip to Question 7.

**b. DO YOU HAVE AN ASSOCIATE, BACHELOR'S, MASTER'S, OR DOCTORATE DEGREE?**

1  Yes      2  No (Skip to Question 7)

**c. WHICH OF THE FOLLOWING DO YOU HOLD?**

- (1) Associate
- (2) Bachelor's
- (3) Master's
- (4) Doctorate

**d. SPECIFY MAJOR FIELD OF STUDY FOR EACH DEGREE.**

- (1) \_\_\_\_\_
- (2) \_\_\_\_\_
- (3) \_\_\_\_\_
- (4) \_\_\_\_\_

**e. SPECIFY YEAR COMPLETED**

- 19 \_\_\_\_\_
- 19 \_\_\_\_\_
- 19 \_\_\_\_\_
- 19 \_\_\_\_\_

**7. DURING THE LAST TWELVE MONTHS, HAVE YOU TAKEN A NON-DEGREE TRAINING COURSE IN ANY OF THE FOLLOWING AREAS?**

(Training courses include class sessions and seminars. Do not include any courses you have taken for a degree. Mark the Yes or No box for each line.)

- |   |                               |                                |                                  |
|---|-------------------------------|--------------------------------|----------------------------------|
| a. Nursing care of the aged or chronically ill . . . . .              | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| b. Medical or dental care of the aged or chronically ill . . . . .    | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| c. Mental or social problems of the aged or chronically ill . . . . . | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| d. Physical therapy or rehabilitation . . . . .                       | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| e. Occupational therapy . . . . .                                     | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| f. Nutrition or food services . . . . .                               | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| g. Nursing home administration or management . . . . .                | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| h. Inservice education . . . . .                                      | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| i. Medical records . . . . .  | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| j. Activity programs for the aged or chronically ill . . . . .        | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| k. Social services for the aged or chronically ill . . . . .          | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| l. Pharmacology and care of drugs . . . . .                           | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |
| m. Other courses related to your work,<br>Specify _____               | 2 <input type="checkbox"/> No | 1 <input type="checkbox"/> Yes | → How <u>many</u> courses? _____ |

**8. ARE YOU**    2  Female?    OR    1  Male?

**9. WHAT IS YOUR DATE OF BIRTH?**

Mo.	Day	Yr.

**10. WHICH ONE OF THESE GROUPS BEST DESCRIBES YOUR ETHNIC ORIGIN OR ANCESTRY?**

- |   |  |
|---|--|
| 1 <input type="checkbox"/> White (Not of Hispanic Origin)   | 4 <input type="checkbox"/> Asian or Pacific Islander |
| 2 <input type="checkbox"/> Black (Not of Hispanic Origin)   | 5 <input type="checkbox"/> Hispanic                  |
| 3 <input type="checkbox"/> American Indian or Alaska Native |  |

**11. BEFORE DEDUCTIONS WHAT IS YOUR SALARY FOR THE WORK YOU PERFORM IN THIS FACILITY ONLY?**

(Mark only one box)

Dollars  \$  Cents  per

OR

I donate my services (Skip to Question 13)

1 hour  
 2 day  
 3 week  
 4 two weeks  
 5 one month  
 6 year  
 7 other time period, specify \_\_\_\_\_

**12. IN ADDITION TO THIS SALARY, DO YOU RECEIVE:**

(Mark the Yes or No box for each line)

- a. Paid vacation, and/or paid holidays, and/or paid sick leave? . . . . . 1  Yes 2  No
- b. Pension plan in addition to Social Security? . . . . . 1  Yes 2  No
- c. Health insurance? . . . . . 1  Yes 2  No
- d. Life insurance? . . . . . 1  Yes 2  No
- e. Direct medical benefits? . . . . . 1  Yes 2  No
- f. Release time for attending training Institutes? . . . . . 1  Yes 2  No
- g. Civic or personal leave (such as leave for jury duty, military reserves, voting, funerals)? . . . . . 1  Yes 2  No
- h. Room? . . . . . 1  Yes 2  No
- i. Meals? . . . . . 1  Yes 2  No
- j. Other? Specify \_\_\_\_\_ 1  Yes 2  No

**13. ARE YOU A PHYSICIAN?**

- 2  No (Skip to the message after Question 20.)  
 1  Yes (Go to Question 14. Questions 14 through 20 apply only to physicians.)

**14a. DO YOU ATTEND YOUR OWN PRIVATE PATIENTS IN THIS HOME?**

- 1  Yes 2  No (Skip to Question 15)

b. HOW MANY OF YOUR OWN PRIVATE PATIENTS DO YOU CURRENTLY ATTEND IN THIS FACILITY?      patients

**15. ARE YOU TEMPORARILY ATTENDING PATIENTS IN THIS FACILITY TO COVER FOR THE PATIENT'S OWN PHYSICIAN?**

- 1  Yes 2  No

**16. DO YOU TAKE EMERGENCY CALLS FOR ALL PATIENTS IN THIS HOME?**

- 1  Yes 2  No

**17. DO YOU PROVIDE OTHER DIRECT PATIENT SERVICE IN BEHALF OF THE FACILITY'S RESPONSIBILITY FOR SECURING SUCH COVERAGES (e.g., Admission exams, pronouncing deaths, securing medication and diet orders, etc.)?**

- 1  Yes 2  No

**18. DO YOU PROVIDE FORMAL INSERVICE TRAINING TO THE FACILITY'S PERSONNEL?**

- 1  Yes 2  No

**19. ARE YOU THE MEDICAL DIRECTOR FOR THIS FACILITY?**

- 1  Yes 2  No

**20. FOR HOW MANY RESIDENTS IN THIS HOME DO YOU PROVIDE MEDICAL CARE?**

residents

**THANK YOU FOR YOUR COOPERATION. PLEASE RETURN THE QUESTIONNAIRE TO THE INTERVIEWER IN THE POSTAGE PAID ENVELOPE PROVIDED OR DROP IT IN THE MAIL TO:**

NATIONAL NURSING HOME SURVEY  
 INFORMATICS, INC.  
 6000 EXECUTIVE BLVD.  
 ROCKVILLE, MD. 20852

## VITAL AND HEALTH STATISTICS Series

- Series 1. Programs and Collection Procedures.*—Reports which describe the general programs of the National Center for Health Statistics and its offices and divisions and data collection methods used and include definitions and other material necessary for understanding the data.
- Series 2. Data Evaluation and Methods Research.*—Studies of new statistical methodology including experimental tests of new survey methods, studies of vital statistics collection methods, new analytical techniques, objective evaluations of reliability of collected data, and contributions to statistical theory.
- Series 3. Analytical Studies.*—Reports presenting analytical or interpretive studies based on vital and health statistics, carrying the analysis further than the expository types of reports in the other series.
- Series 4. Documents and Committee Reports.*—Final reports of major committees concerned with vital and health statistics and documents such as recommended model vital registration laws and revised birth and death certificates.
- Series 10. Data From the Health Interview Survey.*—Statistics on illness, accidental injuries, disability, use of hospital, medical, dental, and other services, and other health-related topics, all based on data collected in a continuing national household interview survey.
- Series 11. Data From the Health Examination Survey and the Health and Nutrition Examination Survey.*—Data from direct examination, testing, and measurement of national samples of the civilian noninstitutionalized population provide the basis for two types of reports: (1) estimates of the medically defined prevalence of specific diseases in the United States and the distributions of the population with respect to physical, physiological, and psychological characteristics and (2) analysis of relationships among the various measurements without reference to an explicit finite universe of persons.
- Series 12. Data From the Institutionalized Population Surveys.*—Discontinued effective 1975. Future reports from these surveys will be in Series 13.
- Series 13. Data on Health Resources Utilization.*—Statistics on the utilization of health manpower and facilities providing long-term care, ambulatory care, hospital care, and family planning services.
- Series 14. Data on Health Resources: Manpower and Facilities.*—Statistics on the numbers, geographic distribution, and characteristics of health resources including physicians, dentists, nurses, other health occupations, hospitals, nursing homes, and outpatient facilities.
- Series 20. Data on Mortality.*—Various statistics on mortality other than as included in regular annual or monthly reports. Special analyses by cause of death, age, and other demographic variables; geographic and time series analyses; and statistics on characteristics of deaths not available from the vital records based on sample surveys of those records.
- Series 21. Data on Natality, Marriage, and Divorce.*—Various statistics on natality, marriage, and divorce other than as included in regular annual or monthly reports. Special analyses by demographic variables; geographic and time series analyses; studies of fertility; and statistics on characteristics of births not available from the vital records based on sample surveys of those records.
- Series 22. Data From the National Mortality and Natality Surveys.*—Discontinued effective 1975. Future reports from these sample surveys based on vital records will be included in Series 20 and 21, respectively.
- Series 23. Data From the National Survey of Family Growth.*—Statistics on fertility, family formation and dissolution, family planning, and related maternal and infant health topics derived from a biennial survey of a nationwide probability sample of ever-married women 15-44 years of age.

For a list of titles of reports published in these series, write to:

Scientific and Technical Information Branch  
National Center for Health Statistics  
Public Health Service  
Hyattsville, Md. 20782

DHHS Publication No. (PHS) 81-1820  
Series 14-No. 25

**NCHS**

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Public Health Service  
Office of Health Research, Statistics, and Technology  
National Center for Health Statistics  
3700 East West Highway  
Hyattsville, Maryland 20782

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300

For publications in the *Vital and  
Health Statistics* Series call 301-  
436-NCHS.

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF H.H.S.  
HHS 396

THIRD CLASS

