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Mortality Surveillance System: Models From the First Year

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This report describes the Mortality Surveillance System and presents the statistical charts and text from its first year, as published in the 12 issues of the *Monthly Vital Statistics Report,* Vol. 38, No. 2 –Vol. 39, No. 1.

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Symbols

- - -	Data not available
. . .	Category not applicable
–	Quantity zero
0.0	Quantity more than zero but less than 0.05
*	Figure does not meet standard of reliability or precision (100 or fewer estimated deaths; relative standard error of 30 percent or more)

Mortality Surveillance System: Models From the First Year

by Frances M. Chevarley, Ph.D., A. Elizabeth Godfrey, M.S., Harry M. Rosenberg, Ph.D., Kenneth D. Kochanek, M.A., Division of Vital Statistics, Manning Feinleib, M.D., Dr.P.H., National Center for Health Statistics

Introduction

This report presents the statistical charts and text from the first year of the Mortality Surveillance System (MSS), as published in 12 issues of the *Monthly Vital Statistics Report* (*MVSR*) (Vol. 38, No. 2–Vol. 39, No. 1), and briefly describes the methodology that was used. Also presented are the monthly data used in fitting the models depicted in the published charts and the model statistics for the fitted curves.

According to the *Dictionary of Epidemiology* edited by John Last (1) surveillance is "Ongoing scrutiny, generally using methods distinguished by their practicability, uniformity, and frequently their rapidity, rather than by complete accuracy. Its main purpose is to detect changes in trend or distribution in order to initiate investigative or control measures." Conceptually, then, the purpose of the MSS is to detect changes in trend or distribution in order to initiate further investigative and control measures in a practical and timely manner.

The National Center for Health Statistics (NCHS) has a data set that, because of its timeliness, can lend itself to surveillance—the provisional mortality data from the Current Mortality Sample (CMS). These data are published every month in the *MVSR*, about 4 months after the main month of occurrence of the deaths and continue to be one of the most accessible means of identifying and monitoring health problems. NCHS decided to use the CMS as the data source for the MSS and to apply a traditional time series regression model to the observed monthly CMS data as the methodology. This methodology had been widely and successfully used to describe trends in mortality data and for surveillance including Serfling (2), Collins (3), Choi and Thacker (4), Lui and Kendal (5), and Shumway (6). In the United States other surveillance systems have been applied to mortality, the best known of which is the statistical system of the Centers for Disease Control and Prevention for tracking influenza and pneumonia and all causes of death by age and month (7). In Great Britain a surveillance system uses final rather than provisional mortality data (8). The MSS was inaugurated with the February 1989 issue of the *MVSR* (Vol. 38, No. 2).

The MSS consists of a series of charts and text published each month in the *MVSR*, depicting trends in provisional mortality data for selected causes of death and population groups. Emphasis is given to graphic presentation that permits timely identification of departures from mortality trends observed in the recent past. Shown in the MSS charts are observed data with corresponding predicted values and 95-percent prediction intervals. Similar graphic presentation techniques have been widely used in the past (9).

Topics for the first year of the MSS were selected in consultation with other Public Health Service agencies to shed light on emerging health concerns and foresee possible changes in trend.

NOTE: The authors gratefully acknowledge the assistance of Randy Curtin and Myron Katzoff of the Statistical Methods Staff, David Johnson of the Division of Vital Statistics, and the late Joel Kleinman of the Office of Analysis and Epidemiology for their help in developing the models, programs, and modeling criteria that were used in the Mortality Surveillance System. This report was edited by Demarius V. Miller and typeset by Jacqueline M. Davis of the Publications Branch, Division of Data Services.

Topics for the first year of the Mortality Surveillance System: MVSR issues, Vol. 38, No. 2–Vol. 39, No. 1

Vol. 38, No. 2	*February 1989*
All causes	Males aged 45–54 years Females aged 45–54 years Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years

Vol. 38, No 3	*March 1989*
Malignant neoplasms of respiratory and intrathoracic organs	Males aged 35–44 years Females aged 35–44 years Males aged 45–54 years Females aged 45–54 years Males aged 55–64 years Females aged 55–64 years

Vol. 38, No. 4	*April 1989*
Chronic obstructive pulmonary diseases and allied conditions	Males aged 45–54 years Females aged 45–54 years Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years

Vol. 38, No. 5	*May 1989*
Accidents and adverse effects	Males aged 15–24 years Females aged 15–24 years
Homicide and legal intervention	Males aged 15–24 years Females aged 15–24 years
Suicide	Males aged 15–24 years Females aged 15–24 years

Vol. 38, No. 6	*June 1989*
Accidents and adverse effects	Males aged 55–64 years Females aged 55–64 years
Chronic liver disease and cirrhosis	Males aged 55–64 years Females aged 55–64 years
Suicide	Males aged 55–64 years Females aged 55–64 years

Vol. 38, No. 7	*July 1989*
Malignant neoplasms of digestive organs and peritoneum	Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years
Malignant neoplasm of breast	Females aged 55–64 years Females aged 65–74 years

Vol. 38, No. 8	*August 1989*
Diseases of heart	Males aged 45–54 years Females aged 45–54 years Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years

Vol. 38, No. 9	*September 1989*
Cerebrovascular diseases	Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years
Septicemia	Males aged 75–84 years Females aged 75–84 years

Vol. 38, No. 10	*October 1989*
Motor vehicle accidents	Males aged 25–34 years Females aged 25–34 years Males aged 35–44 years Females aged 35–44 years Males aged 45–54 years Females aged 45–54 years

Vol. 38, No. 11	*November 1989*
Malignant neoplasms of genital organs	Males aged 55–64 years Males aged 65–74 years
Pneumonia and influenza	Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years

Vol. 38, No. 12	*December 1989*
Malignant neoplasms of genital organs	Females aged 55–64 years Females aged 65–74 years
Diabetes mellitus	Males aged 55–64 years Females aged 55–64 years Males aged 65–74 years Females aged 65–74 years

Vol. 39, No. 1	*January 1990*
Accidents and adverse effects	Males aged 25–34 years Females aged 25–34 years
Suicide	Males aged 25–34 years Females aged 25–34 years
Homicide and legal intervention	Males aged 25–34 years Females aged 25–34 years

Methods

Sources of data

The MSS charts are based entirely on monthly provisional data from the Current Mortality Sample (CMS). The CMS is a national 10-percent systematic sample of death certificates drawn each month after the certificates are counted in the State registration offices. The sample for each of these areas consists of one-tenth of the death certificates received in the office between a given date and the corresponding date of the following month. All death certificates received during the 1-month period are sampled regardless of the month or year in which the death occurred. As a result, the sample for a given month is not strictly comparable to a sample based on month-of-occurrence. About two-thirds of the death certificates for a given month are for deaths that actually occurred in the sample month. Because complete information concerning the underlying cause of death is sometimes not available in the State offices when the sample is drawn but is available later when copies of the final death certificates are processed, cause-of-death estimates from the CMS for certain causes are biased estimates of final data. These variations inherent in provisional data from the CMS are not corrected in the MSS. Estimates of deaths and death rates based on the CMS by age, race, sex, and cause are proportionately adjusted to be consistent with estimates based on provisional monthly U.S. totals based on counts of death certificates received in State registration offices (10,11).

Statistical model

While different types of models were analyzed to determine the type of model to use for the MSS, a time series regression model was selected because similar models had been used successfully in the past for surveillance and because such a model is easy to use and interpret. The following time series regression model with five terms is used:

$$Y(t) = A_0 + A_1 t + A_2 t^2 + C\cos(2\pi t/12) + S\sin(2\pi t/12) + \epsilon_t$$

where

$Y(t)$ = monthly death rate at time t

t = month number ($t = 0$ for Jan. 1979)

A_0 = coefficient, which, together with C determines the Y-intercept

A_1 = coefficient of t

A_2 = coefficient of t^2

C,S = coefficients of the harmonic terms

ϵ_t = error terms, assumed to be independent and normally distributed with means 0 and constant variances,

and $\cos(2\pi t/12)$ and $\sin(2\pi t/12)$ are 12-month period harmonic functions.

The general form of the statistical model with five terms, as shown, contains an intercept term, a trend term t, a quadratic term t^2, a cosine term, and a sine term (the 2 latter terms are 12-month harmonic terms designed to capture the main characteristics of seasonal patterns of mortality). Monthly death rates for most causes of death exhibit a 12-month seasonal pattern with generally higher rates in the winter when health can be compromised by cold weather.

The coefficients of the model for the 72 charts were estimated using provisional monthly death rates for January 1979–December 1987. The graph of the estimated equations and 95-percent prediction intervals for the monthly rates were shown through 1987 and projected beyond that. This projection period increased as more data became available and as a result varied from month to month. The symbols in each chart represent actual monthly death rates based on the CMS.

Using the model for 72 different charts in the first year of the MSS has been both an exploratory and a learning process. Over time, and with increasing experience with the models, the criteria to decide which of the five terms to keep in the model became more consistent. By the end of the year, the principle that guided model selection was to include all five terms except in extreme cases. These cases include the following: (a) where there was no clear 12-month seasonal component in the data, the model was fitted without the harmonic terms; and (b) where the usual model yielded negative prediction intervals, the data were transformed by the natural logarithm before fitting the model. In the latter case, for graphical purposes, the data were transformed back to rates by the inverse of the natural logarithm.

Results

Summary

During the first year of the MSS, only three age-sex-cause groups were identified out of the total of 72 charts where there may have been a change in trend in the most recent time period since 1987: Cerebrovascular diseases for males aged 65–74 years, Septicemia for females aged 75–84 years, and Diabetes mellitus for females aged 65–74 years. Based on the MSS findings, a further investigation of the recent trends for these age-sex-cause groups may be warranted. For the remaining charts there was not enough evidence to suggest a change in trend.

The 72 charts and accompanying text that were published in the 12 successive *MVSR* issues are shown in figures 1–72. Shown in tables 1–12 are provisional monthly estimates of numbers of deaths and death rates for 1979–89 for each of the specified causes of death and selected demographic groups for the 72 charts. Estimated deaths and death rates in tables 1–12 based on 100 or fewer estimated deaths have relative standard errors of 30 percent or more and are, therefore, considered unreliable. Rates based on 100 or fewer estimated deaths are indicated by an "*" in these tables. The model parameter estimates and selected statistics for each of these 72 charts are given in table 13.

Example

The following example illustrates the type of data summarized in this report. For the first month of the MSS there were six charts representing All causes of death for females and males for the following three age groups: 45–54 years, 55–64 years, and 65–74 years. The charts and text as previously published for these six charts are shown in figures 1–6. The center line in each of these charts denotes the predicted model based on provisional monthly death rates for the period January 1979–December 1987, and then projected for the most recent period for these charts through September 1988. The two outside lines are the 95-percent prediction intervals; the symbols represent the observed monthly provisional death rates. As shown in these charts and as discussed in the text, monthly provisional death rates for All causes decreased during the period 1979–87 for males in each of the three age groups. For females the trend in the monthly provisional death rates for All causes during this same period was also downward but only for women in the youngest age group, 45–54 years; for women in the other two age groups, 55–64 years and 65–74 years, there was no discernible upward or downward trend during this period. Except for 1 month in one of these charts, the observed monthly rates in the projected first 9 months of 1988 for these six charts were within the 95-percent prediction intervals of the models estimated on the basis of provisional monthly death rates for 1979–87. Also shown in these charts, death rates for All causes for males and females in each of these three age groups showed a seasonal pattern with provisional monthly death rates generally higher during the winter.

Shown in table 1 are the provisional monthly estimates of deaths and death rates for these six charts; that is, for All causes for 1979–89 for females and males aged 45–54, 55–64, and 65–74 years. These monthly rates were used in producing the published charts and their associated model statistics in table 13. As shown in table 13, the average monthly sample sizes for the first six MSS charts ranged from 378 for All causes for women aged 45–54 years to 2,315 for All causes for men aged 65–74 years. As indicated by the estimated coefficients of the model parameters and their corresponding probabilities in table 13, the first 6 MSS charts used the 4 variable model. The adjusted R^2 values for these first six models for All causes ranged from 0.4347 for women aged 45–54 years to 0.7377 for men aged 65–74 years, were higher for males than for females, and increased for each succeeding older age group (as the average monthly sample size increased) for both males and females.

Discussion

As indicated in the charts and also in the statistics in table 13, the 5-term model was a good general model for modeling mortality data for most age-sex-cause groups. The entire 5-term model was used for 50 of the 72 charts. For 19 of the 72 charts, the 2 harmonic terms were dropped because the monthly rates for these age-sex-cause groups did not exhibit 12-month seasonal patterns. Among these 19 charts, 16 represented specified cancers for selected demographic groups, 2 were for Suicide for females aged 15–24 and 25–34 years, and 1 was for Homicide for females aged 25–34 years. The model included only the Y-intercept for 4 of the 72 charts where the 5-term model did not apply. These cases were Malignant neoplasms of genital organs for males aged 55–64 years and 65–74 years, Malignant neoplasms of genital

organs for females aged 65–74 years, and Homicide and legal intervention for females aged 25–34 years.

Although the objective was to apply the 5-term model to the actual monthly death rates whenever possible, it was necessary to transform the data by the natural logarithm for 7 of the 72 charts in order to avoid negative prediction intervals for the model. The data were transferred back by the inverse of the natural logarithm in the published charts. As indicated in table 13, the statistics for these 7 charts are based on a model that used data transformed by the natural logarithm.

Also shown in table 13, the adjusted R^2 statistic was generally higher for those age-sex-cause groups with larger sample sizes. The adjusted R^2 statistics were negative (indicating a particularly poor fit of the chosen model) for 2 of the 72 models of the first year: Suicide for females aged 15–24 years and Malignant neoplasms of digestive organs and peritoneum for females aged 55–64 years.

Since the first year of the MSS, the MSS topics have been re-evaluated and expanded. Thus, for the second year, the topics were expanded to include the cause Human immunodeficiency virus infection, infant mortality rates by age, and selected causes of infant death. For the third year, added to the topics were age-sex-cause groups for the racial groups white and black. Although the same MSS model has been selected for the second and third years of the MSS, alternative models and modeling criteria merit study.

Mortality Surveillance System

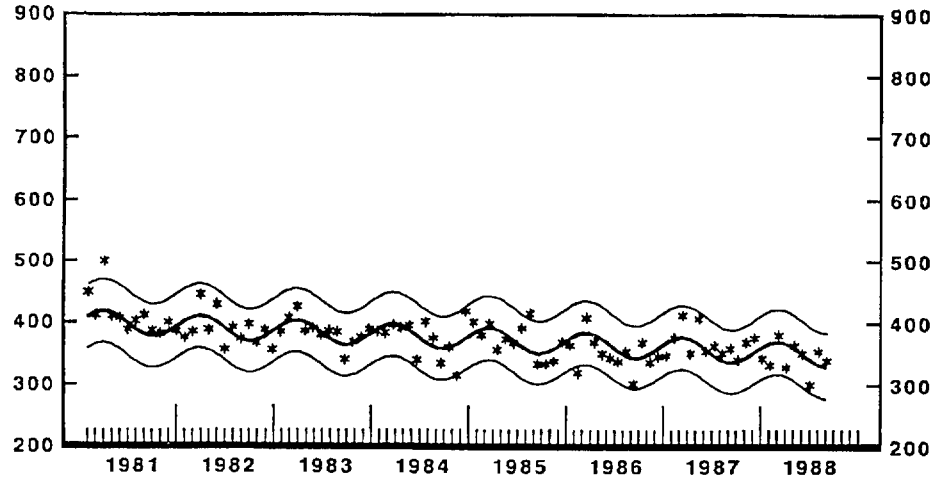

Figure 1. Death rates per 100,000 females 45–54 years of age by month: United States, 1981–88

For the period shown in the chart through 1987, there has been a slight decline in provisional death rates for females aged 45–54 years for All causes of death combined. The observed rates for the first 9 months of 1988 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates from 1979 to 1987. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter months. Based on provisional annual death rates for 1987, the rate for females in this age group was slightly more than half the rate for males.

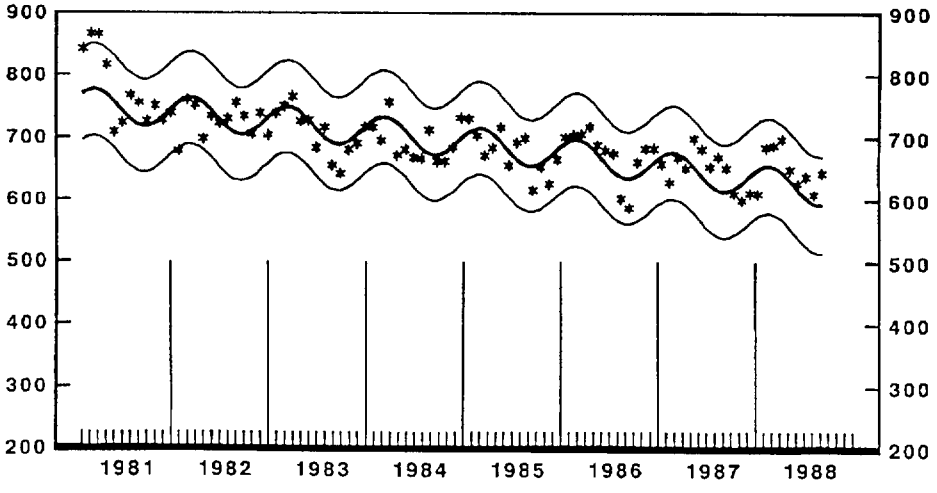

Figure 2. Death rates per 100,000 males 45–54 years of age by month: United States, 1981–88

There was a general decline in provisional death rates for men aged 45–54 years for the period shown in the chart. For these men, death rates from January to September of 1988 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates from 1979 to 1987. However, the rates for February to September of 1988 were consistently above the line predicted by the model. Monthly death rates for males in this age group also showed a seasonal pattern with a tendency toward higher death rates during the winter months. According to provisional annual death rates, the rate in 1987 for males aged 45–54 years was not quite twice the rate for women in this age group.

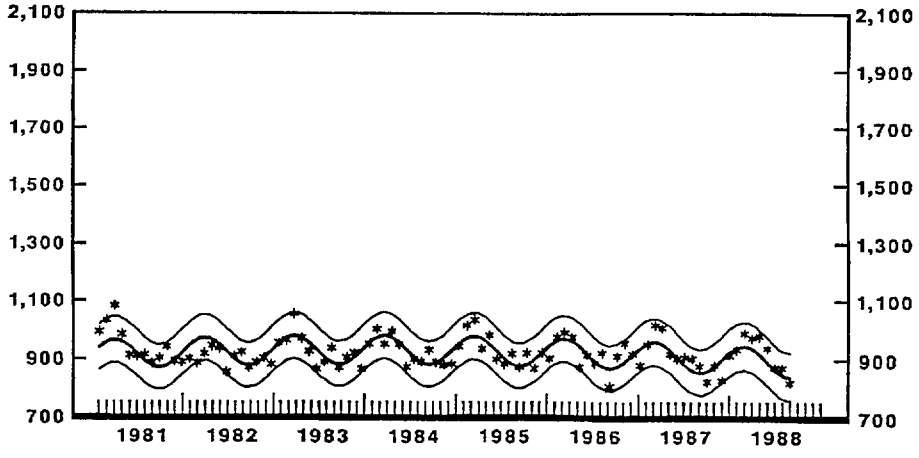

Figure 3. Death rates per 100,000 females 55–64 years of age by month: United States, 1981–88

There was no overall trend upward or downward in death rates for All causes for females 55–64 years of age during the period shown in the chart through 1987. Rates for the first 9 months of 1988 were consistent with those predicted by a model estimated on the basis of provisional monthly death rates from 1979 to 1987. The death rates for these women were generally higher in the winter months compared with the summer months. According to provisional annual death rates for 1987, the rate for females aged 55–64 years was slightly more than half the rate for males in the same age group but about two and a half times the rate for females in the younger age group 45–54 years.

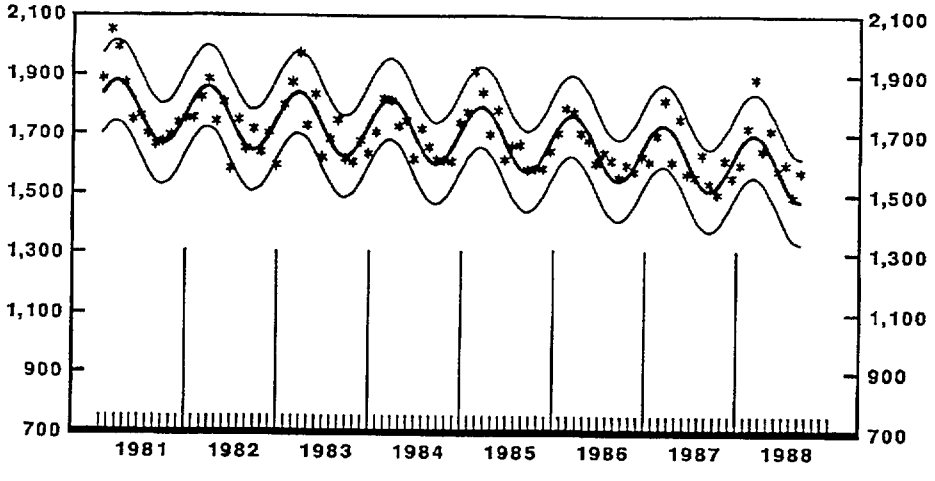

Figure 4. Death rates per 100,000 males 55–64 years of age by month: United States, 1981–88

The overall trend of death rates for males aged 55–64 years for All causes combined was downward during the period shown in the chart. Rates for January–September 1988 were consistent with those predicted by a model estimated on the basis of provisional monthly death rates from 1979 to 1987. Death rates for men aged 55–64 years also showed a seasonal pattern of mortality. In 1987 the provisional annual death rate for males was not quite twice the rate for females in the same age group and about two and a half times the rate for males in the younger age group 45–54 years.

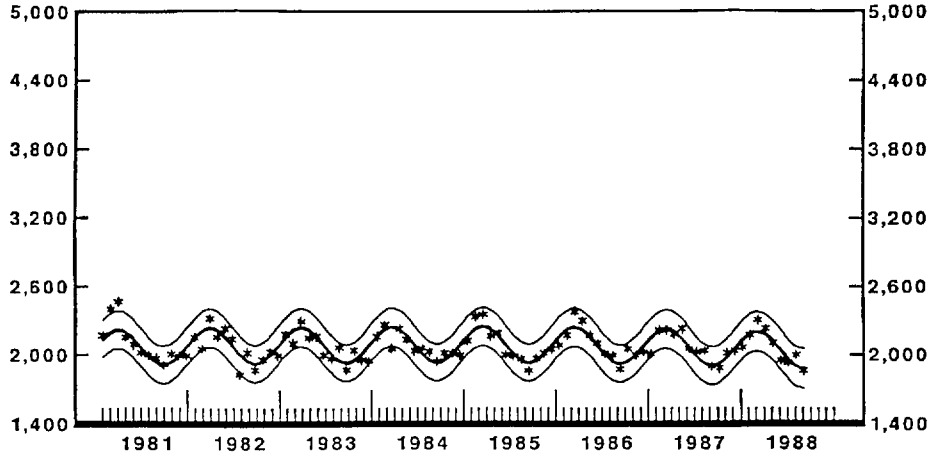

Figure 5. Death rates per 100,000 females 65–74 years of age by month: United States, 1981–88

During the period shown in the chart, there was no overall trend upward or downward in death rates for All causes for females aged 65–74 years. Monthly death rates for January–September 1988 were consistent with those predicted by a model estimated on the basis of provisional monthly death rates from 1979 to 1987. Death rates for these women aged 65–74 years showed a seasonal pattern with a tendency toward higher rates in the winter and lower rates in the summer. The annual death rate for 1987 was slightly more than half the rate for males in the same age group and more than twice the rate for females in the younger age group 55–64 years.

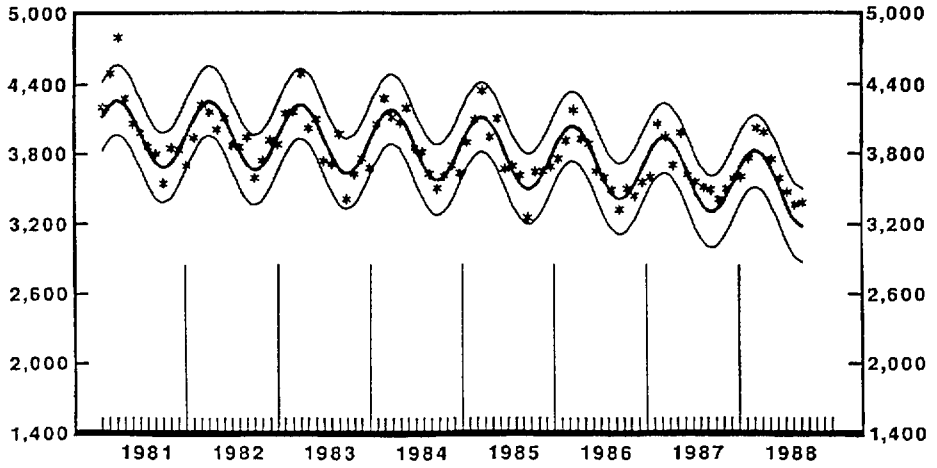

Figure 6. Death rates per 100,000 males 65–74 years of age by month: United States, 1981–88

For males aged 65–74 years, the overall trend in death rates for All causes was downward during the period shown in the chart. The monthly death rates for the first nine months of 1988 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The rates for March to September 1988, however, were consistently above the line predicted by the model. As shown in the chart, men in the age group 65–74 had a seasonal pattern of mortality with a clear tendency for rates to be higher during the winter months. In 1987 the provisional annual death rate for men aged 65–74 years was not quite twice the rate for women in the same age group. This ratio of male to female death rates for this age group was about the same as that observed for the age groups 45–54 years and 55–64 years.

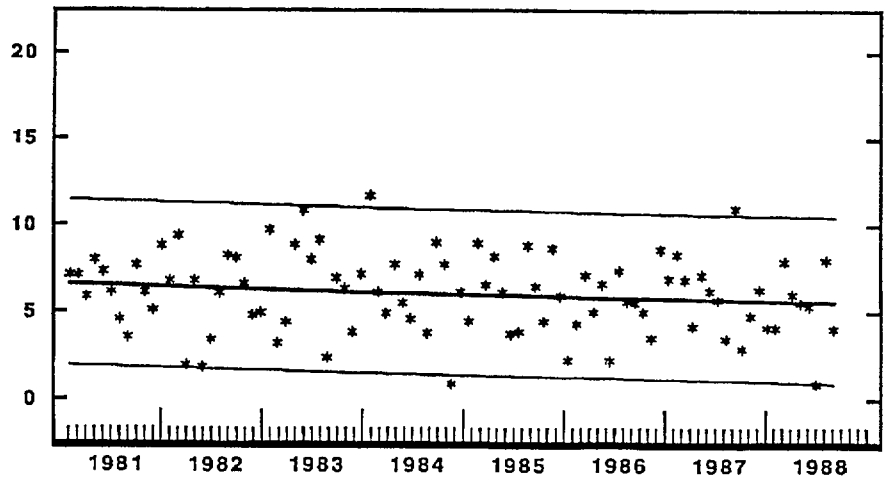

Figure 7. Death rates per 100,000 females 35–44 years of age for Malignant neoplasms of respiratory and intrathoracic organs, by month: United States, 1981–88

For the period shown in the chart through 1987, there has been a slight downward trend in provisional death rates for females 35–44 years of age for Malignant neoplasms of respiratory and intrathoracic organs. The observed rates for the first 9 months of 1988 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates from 1979–87. Based on provisional annual death rates for 1987, the rate for females in this age group was slightly more than half the rate for males.

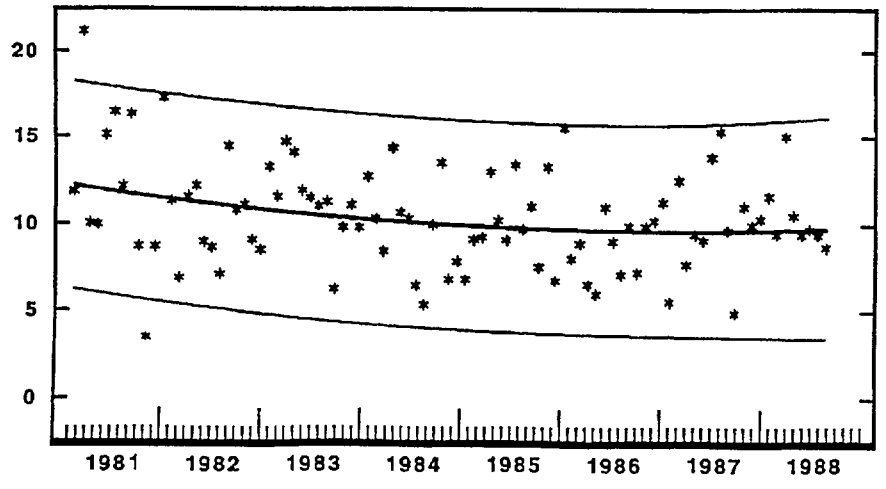

Figure 8. Death rates per 100,000 males 35–44 years of age for Malignant neoplasms of respiratory and intrathoracic organs, by month: United States, 1981–88

There was a decline in provisional death rates for Malignant neoplasms of respiratory and intrathoracic organs for men 35–44 years of age for the period shown in the chart through 1987. For these men, death rates from January–September of 1988 were consistent with a model estimated on the basis of provisional monthly death rates from 1979–87. According to provisional annual death rates, the rate in 1987 for men 35–44 years of age was nearly twice the rate for women in this age group.

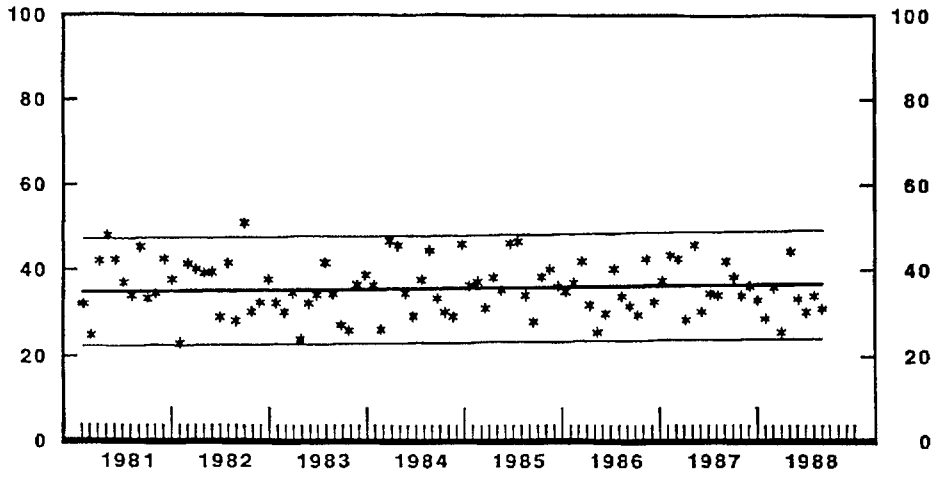

Figure 9. Death rates per 100,000 females 45–54 years of age for Malignant neoplasms of respiratory and intrathoracic organs, by month: United States, 1981–88

There has been a slight upward trend in death rates for Malignant neoplasms of respiratory and intrathoracic organs for females 45–54 years of age during the period shown in the chart through 1987. The monthly death rates for the first 9 months of 1988 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates from 1979–87. However, the rates for all but one of the first 9 months were below the line predicted by the model. According to provisional annual death rates for 1987, the rate for females 45–54 years of age was slightly more than half the rate for males in the same age group and more than 6 times the rate for females in the younger age group 35–44 years.

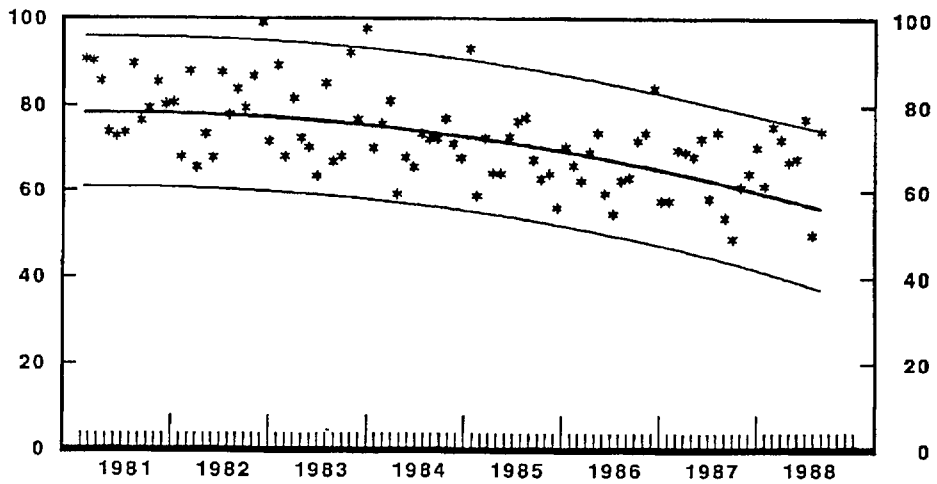

Figure 10. Death rates per 100,000 males 45–54 years of age for Malignant neoplasms of respiratory and intrathoracic organs, by month: United States, 1981–88

The trend of death rates for males 45–54 years of age for Malignant neoplasms of respiratory and intrathoracic organs was downward during the period shown in the chart. For these men, except for 1 month, death rates from January–September of 1988 all fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates from 1979–87; however, all but one of the monthly rates during this period were above the line predicted by the model. In 1987 the provisional annual death rate for these males was almost twice the rate for females in the same age group and more than 6 times the rate for males in the younger age group 35–44 years.

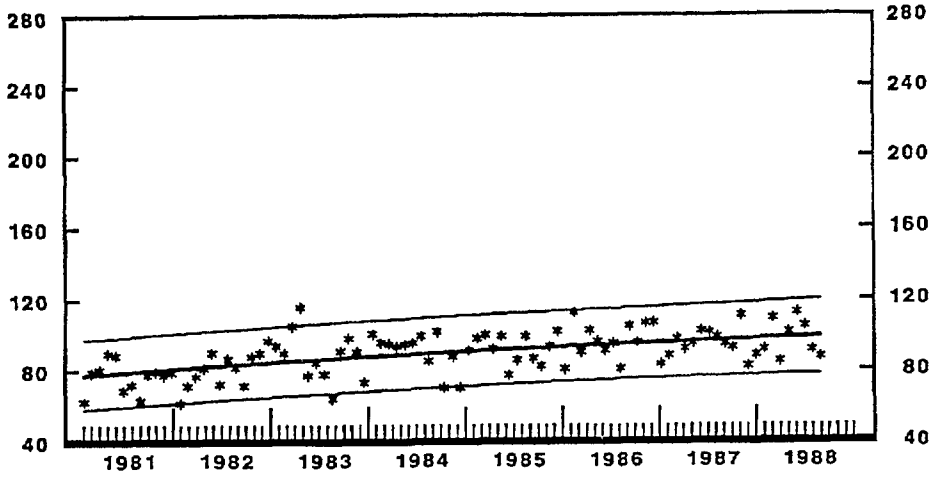

Figure 11. Death rates per 100,000 females 55–64 years of age for Malignant neoplasms of respiratory and intrathoracic organs, by month: United States, 1981–88

The trend of death rates for females 55–64 years of age for Malignant neoplasms of respiratory and intrathoracic organs was upward for the period shown in the chart through 1987. Monthly death rates for January–September 1988 were consistent with those predicted by a model estimated on the basis of provisional monthly death rates from 1979–87. The annual death rate for 1987 was less than half the rate for males in the same age group; this ratio of female to male death rates for this age group, however, has been increasing. The 1987 provisional death rate for females 55–64 years of age was 3 times the rate for females in the younger age group 45–54 years.

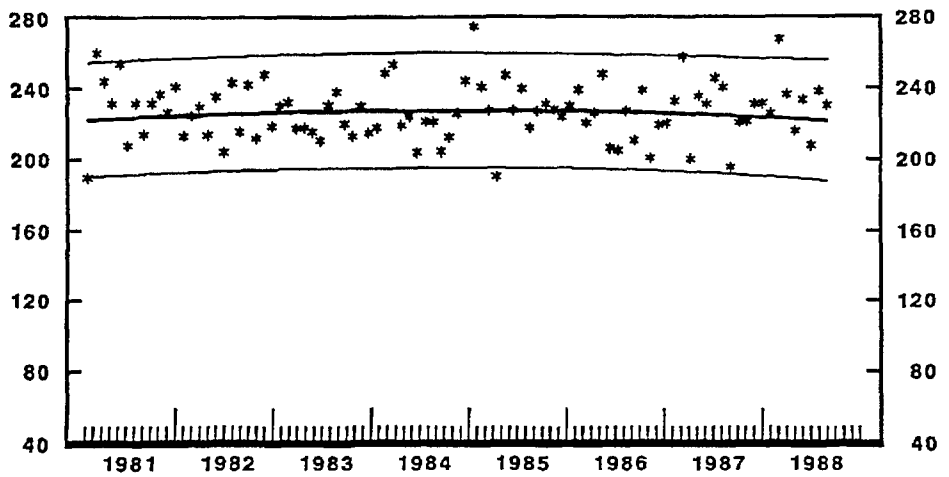

Figure 12. Death rates per 100,000 males 55–64 years of age for Malignant neoplasms of respiratory and intrathoracic organs, by month: United States, 1981–88

For males 55–64 years of age, there was no discernable trend upward or downward in death rates for Malignant neoplasms of respiratory and intrathoracic organs during the period shown in the chart. The monthly death rates for the first 9 months of 1988 were consistent with those predicted from a model estimated on the basis of provisional monthly death rates for 1979–87. In 1987 the provisional annual death rate for men 55–64 years of age was more than twice the rate for women in the same age group. This ratio of male to female death rates for this age group was higher than that observed for the age groups 35–44 years and 45–54 years.

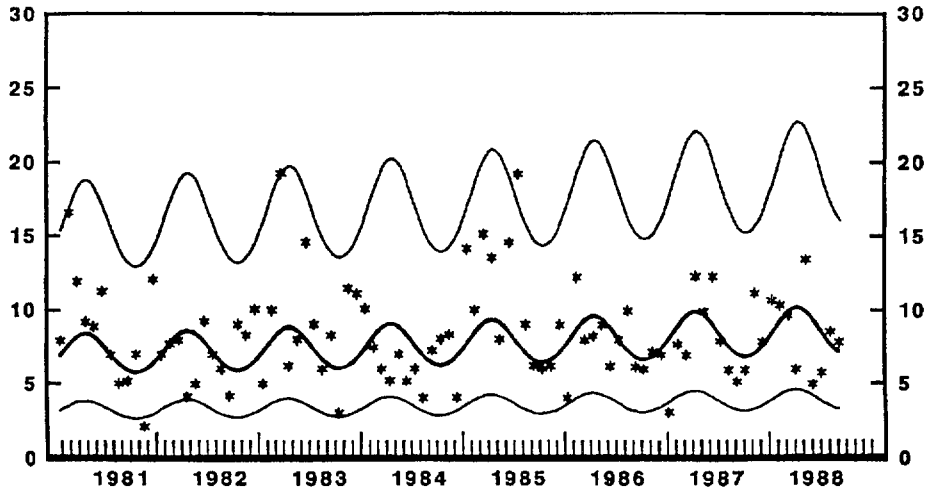

Figure 13. Death rates per 100,000 females 45–54 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1981–88

[Data transformed by the natural logarithm before fitting model]

For the period shown in the chart through 1987, there has been a slight upward trend in provisional death rates for females 45–54 years of age for Chronic obstructive pulmonary diseases and allied conditions. The observed rates for the first 9 months of 1988 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates from 1979–87. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the early months of the year. Based on provisional annual death rates for 1987, the rate for females in this age group was about the same as the rate for males.

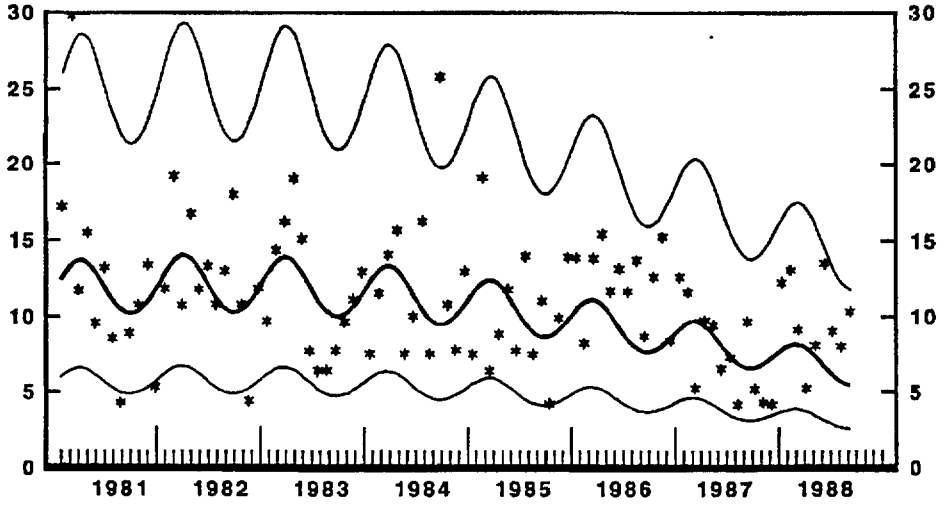

Figure 14. Death rates per 100,000 males 45–54 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1981–88

[Data transformed by the natural logarithm before fitting model]

There was a slight decline in provisional death rates for Chronic obstructive pulmonary diseases and allied conditions for men 45–54 years of age for the period shown in the chart through 1987. For these men, monthly death rates from January–September of 1988 were consistent with a model estimated on the basis of provisional monthly death rates from 1979–87. According to provisional annual death rates, the rate in 1979 for males 45–54 years of age was about 1.5 times the rate for women in this age group. Because the death rates for this age group for Chronic obstructive pulmonary diseases and allied conditions have decreased slightly for males and increased slightly for females from 1979–87, the death rates for males and females were closer in 1987 than they were in 1979.

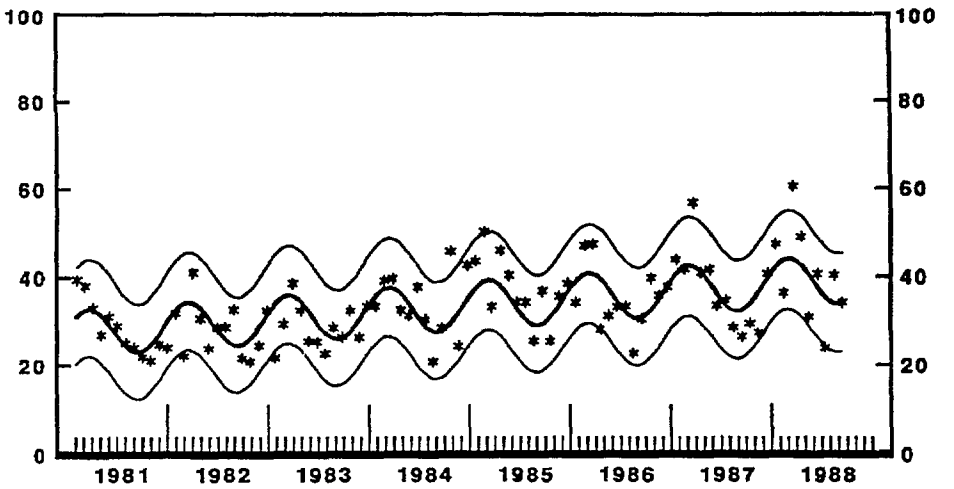

Figure 15. Death rates per 100,000 females 55–64 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1981–88

There has been an upward trend in death rates for Chronic obstructive pulmonary diseases and allied conditions for females 55–64 years of age during the period shown in the chart through 1987. The monthly death rates for the first 9 months of 1988 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates from 1979–87. Death rates for these women aged 55–64 years showed a seasonal pattern with a tendency toward higher rates in the early months of the year. According to provisional annual death rates for 1987, the rate for females 55–64 years of age was about two thirds the rate for males in the same age group and almost 5 times the rate for females in the younger age group 45–54 years.

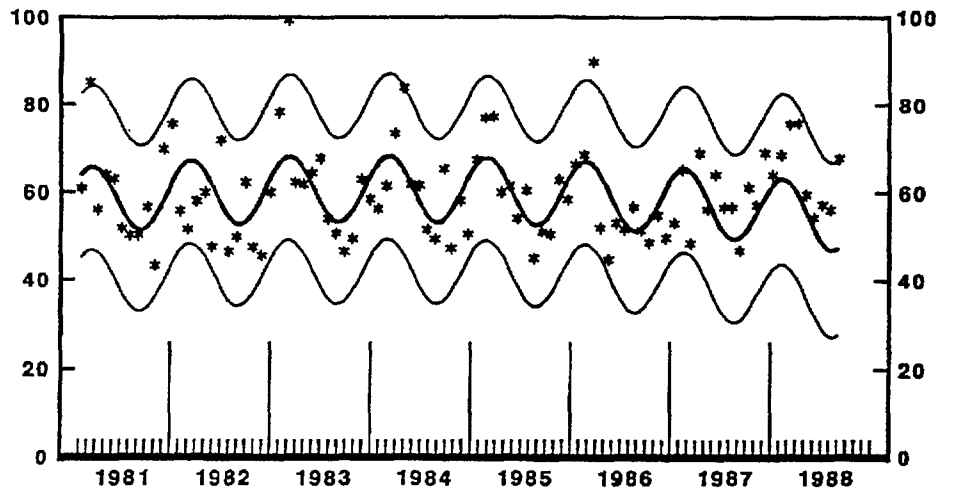

Figure 16. Death rates per 100,000 males 55–64 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1981–88

There has been no discernable trend upward or downward in provisional death rates for males 55–64 years of age for Chronic obstructive pulmonary diseases and allied conditions for the period shown in the chart through 1987. For these men, except for one month, the monthly death rates from January–September 1988 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates from 1979–87; however, the monthly death rates for the first 9 months of 1988 were all above the line predicted by the model. As shown in the chart, men in the age group 55–64 years had a seasonal pattern of mortality similar to that shown for females in this age group. In 1987 the provisional annual death rate for these males was about 1.5 times the rate for females in the same age group. This ratio decreased from 1979; in 1979 the rate for males was over twice the rate for females in this age group.

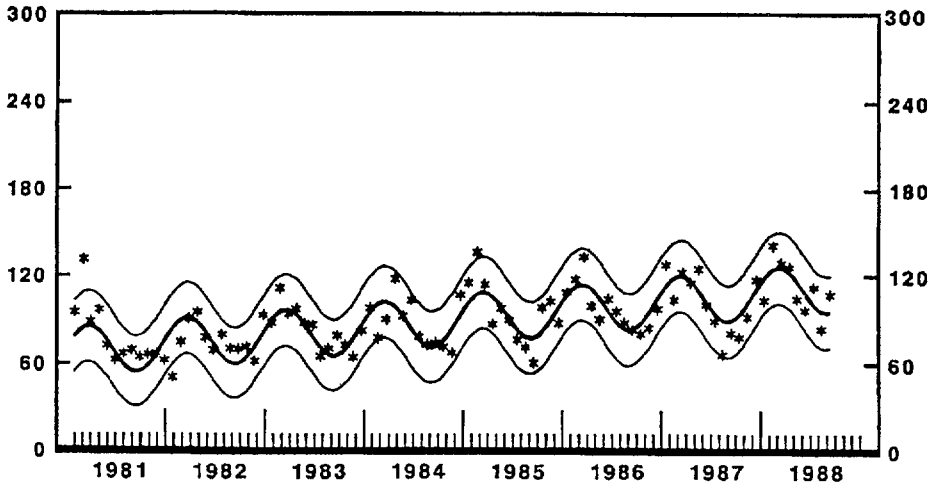

Figure 17. Death rates per 100,000 females 65–74 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1981–88

The overall trend of death rates for females 65–74 years of age for Chronic obstructive pulmonary diseases and allied conditions was upward for the period shown in the chart through 1987. Monthly death rates for January–September 1988 were consistent with those predicted by a model estimated on the basis of provisional monthly death rates from 1979–87. The death rates for these women were also generally higher in the early months of the year. The annual death rate for females in 1987 was about half the rate for males in the same age group; this ratio of female to male death rates for this age group, however, has been increasing. The 1987 provisional death rate for females 65–74 years of age was 2.7 times the rate for females in the age group 55–64 years.

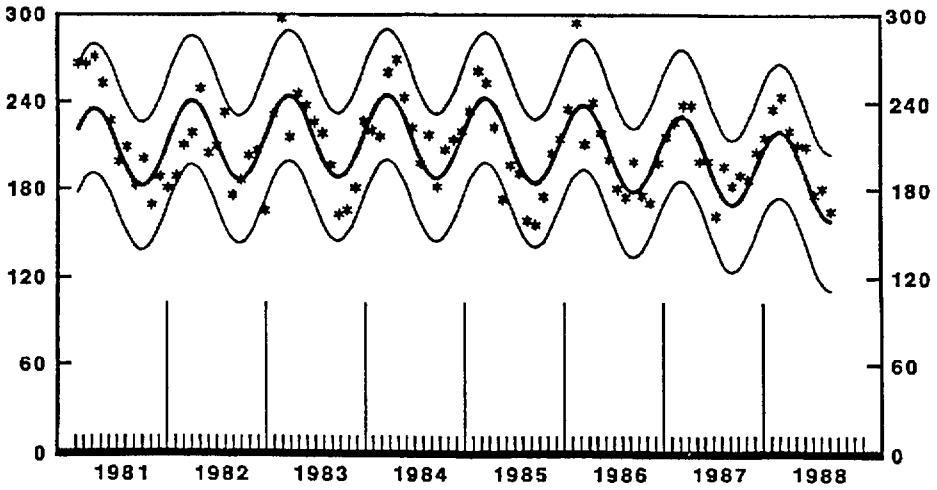

Figure 18. Death rates per 100,000 males 65–74 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1981–88

For males 65–74 years of age, there was no discernable trend upward or downward in death rates for Chronic obstructive pulmonary diseases and allied conditions during the period shown in the chart. The monthly death rates for the first 9 months of 1988 were all within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87; however, these monthly rates for 1988 were all above the line predicted by this model. Death rates for men 65–74 years of age also showed a seasonal pattern of mortality. In 1987 the provisional annual death rate for men 65–74 years of age was almost twice the rate for women in the same age group. This ratio of male to female death rates for this age group was higher than that observed for the age groups 45–54 years and 55–64 years.

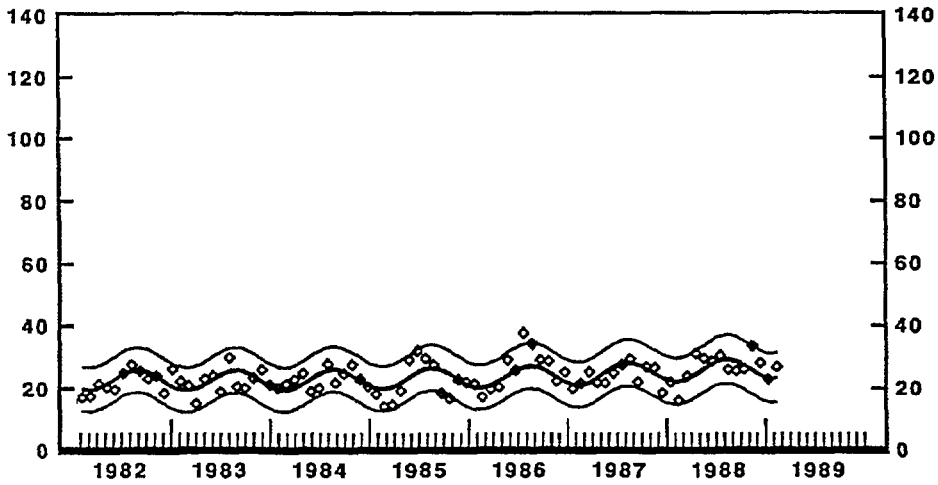

Figure 19. Death rates per 100,000 females 15–24 years of age for Accidents and adverse effects, by month: United States, 1982–89

Accidents and adverse effects is the leading cause of death for females 15–24 years of age. It accounted for 45 percent of all deaths to females in this age group in 1986, the latest year for which final data are available. For these women, provisional death rates from Accidents and adverse effects decreased slightly from 1979 to the early 1980's and, as shown in the chart, have increased slightly since then. The observed rates for 1988 and the first 2 months of 1989 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer. Based on provisional annual death rates for 1988, the death rate for this cause for females was about one third the rate for males.

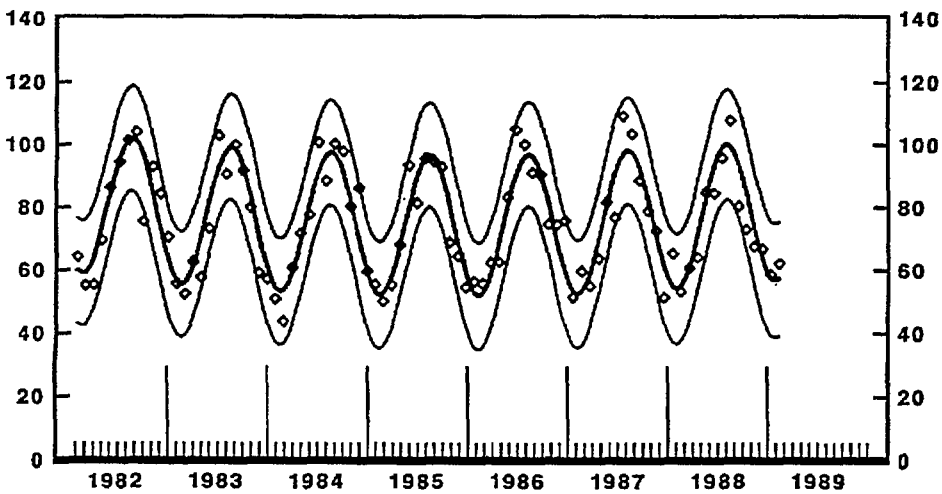

Figure 20. Death rates per 100,000 males 15–24 years of age for Accidents and adverse effects, by month: United States, 1982–89

Accidents and adverse effects is also the leading cause of death for males 15–24 years of age. In 1986 it accounted for 52 percent of all deaths to men in this age group. For these men, provisional death rates for this cause have declined from 1979 to the mid-1980's and have leveled off since then. Monthly death rates for January 1988–February 1989 were consistent with a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly rates for this cause also showed a seasonal pattern with a tendency toward higher death rates during the summer. According to provisional annual death rates, the rate in 1988 for males 15–24 years of age was almost 3 times the rate for women in this age group.

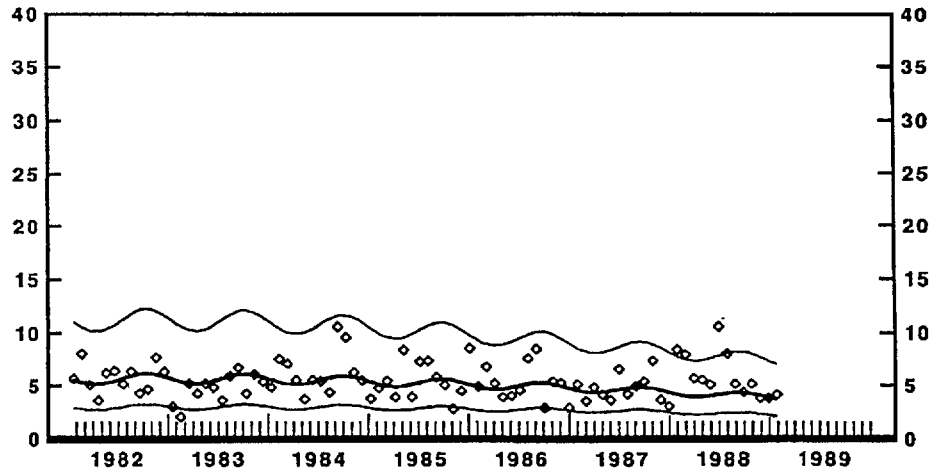

Figure 21. Death rates per 100,000 females 15–24 years of age for Homicide and legal intervention, by month: United States, 1982–89

[Data transformed by the natural logarithm before fitting model]

About 12 percent of all deaths to females 15–24 years of age were due to Homicide and legal intervention in 1986, the latest year for which final data are available; this was the second leading cause of death in 1986. For these women, there has been no discernible trend upward or downward in the provisional death rates for Homicide and legal intervention for the period shown in the chart through 1987. The monthly death rates for 1988 and for the first 2 months of 1989 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates for 1979–87. According to provisional annual death rates for 1988, the death rate for Homicide and legal intervention for females 15–24 years of age was about one fourth the rate for males in the same age group.

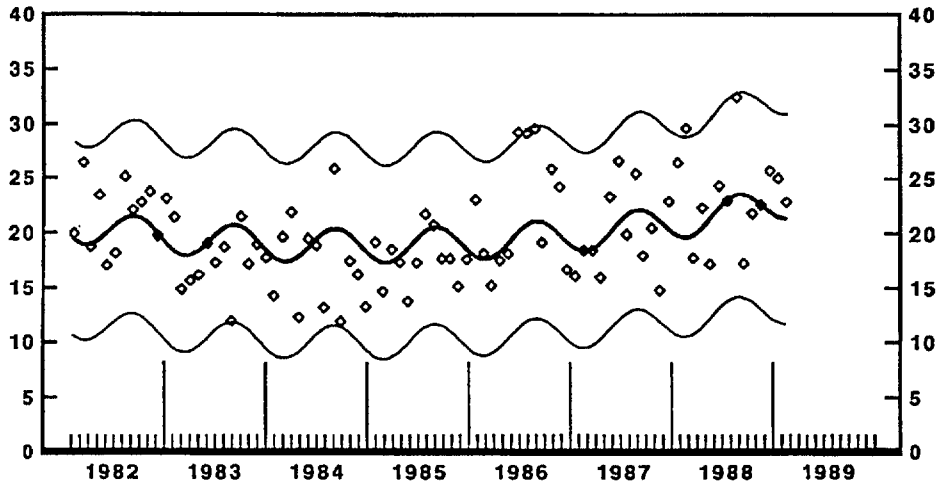

Figure 22. Death rates per 100,000 males 15–24 years of age for Homicide and legal intervention, by month: United States, 1982–89

According to 1986 final data, Homicide and legal intervention was the second leading cause of death among males 15–24 years of age. In that year it accounted for approximately 15 percent of all deaths for these males. Death rates for males 15–24 years of age for Homicide and legal intervention decreased from 1979 to the mid-1980's and, as shown in the chart, have increased since then. For these men, the monthly death rates for January 1988–February 1989 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates for 1979–87. As shown in the chart, men in the age group 15–24 years had a seasonal pattern of mortality for this cause with a tendency for rates to be higher during the summer. In 1988 the provisional annual death rate for this cause for these males was about 4 times the rate for females in the same age group.

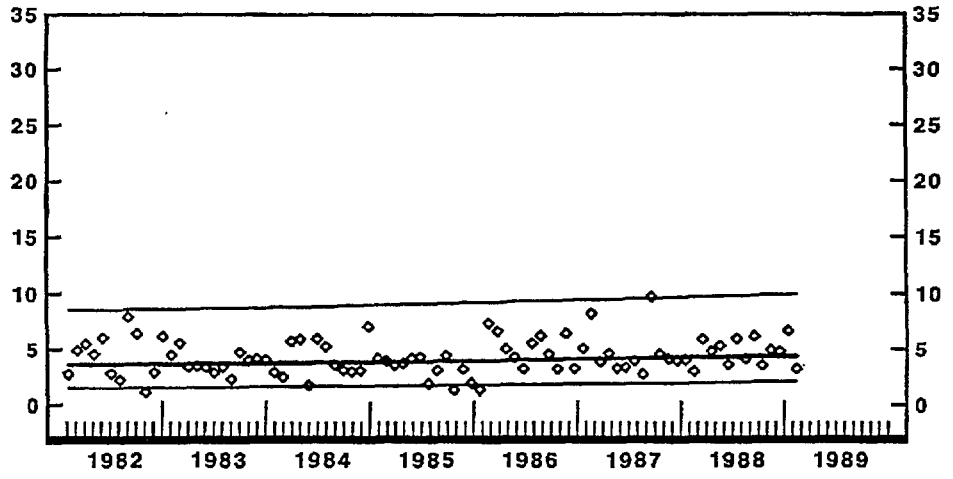

Figure 23. Death rates per 100,000 females 15–24 years of age for Suicide, by month: United States, 1982–89

[Data transformed by the natural logarithm before fitting model]

According to final data for 1986, Suicide was the third leading cause of death for females 15–24 years of age. In that year Suicide accounted for approximately 8 percent of all deaths for these females; in comparison, Homicide and legal intervention accounted for approximately 12 percent of the 1986 deaths in this age-sex group. For females 15–24 years of age, there has been no discernible trend upward or downward in the provisional death rates for Suicide during the period shown in the chart. The monthly death rates for 1988 and the first 2 months of 1989 were all within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The annual provisional death rate for Suicide for females in 1988 was about one fifth the rate for males in this age group.

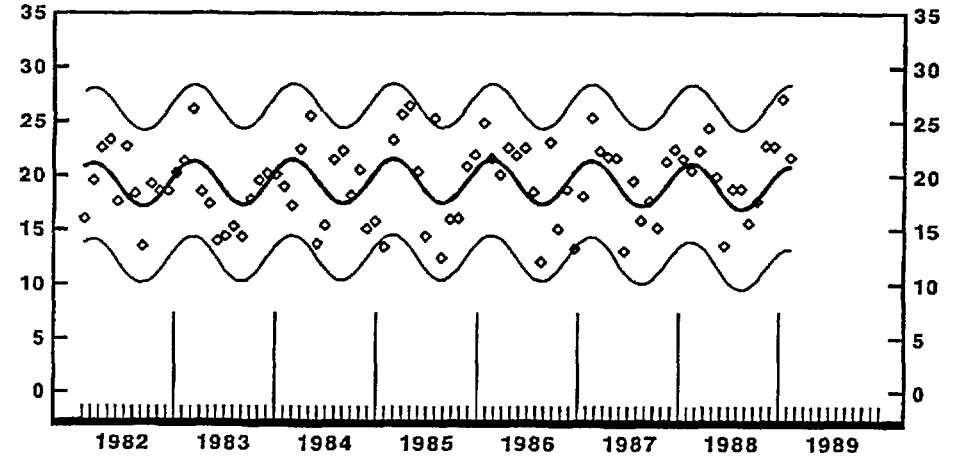

Figure 24. Death rates per 100,000 males 15–24 years of age for Suicide, by month: United States, 1982–89

Suicide was also the third leading cause of death for males 15–24 years of age according to 1986 final data. About 14 percent of all deaths for males 15–24 years of age were due to Suicide; this percent for Suicide was similar to the corresponding 15 percent for Homicide and legal intervention. For males 15–24 years of age there was no discernible trend in the Suicide death rate during the period shown in the chart. The monthly death rates for 1988 and the first 2 months of 1989 were all within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Although the fitted model suggests that death rates for Suicide for males 15–24 years of age have a smooth seasonal pattern with a single peak in the first quarter of the year, the observed death rates show a more irregular seasonal pattern. In 1988 the provisional annual death rate for this cause for men 15–24 years of age was about five times the rate for women in the same age group.

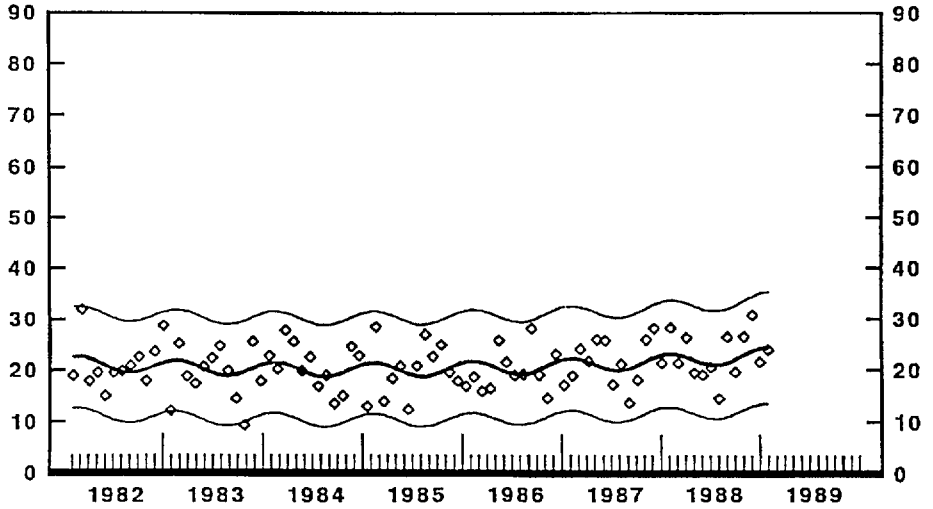

Figure 25. Death rates per 100,000 females 55–64 years of age for Accidents and adverse effects, by month: United States, 1982–89

There were 2,380 deaths due to Accidents and adverse effects for women 55–64 years of age in 1986, the latest year for which final data are available. These deaths accounted for 2 percent of all deaths for these women in 1986. Of the 2,380 deaths, 1,160, or almost half, were due to Motor vehicle accidents. For these women, provisional death rates from Accidents and adverse effects decreased slightly from 1979 to the mid 1980's and, as shown in the chart, have increased slightly since then. The observed rates for 1988 and the first 2 months of 1989 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates for 1979–87. Based on provisional annual death rates for 1988, the death rate for this cause for females was about one half the rate for males.

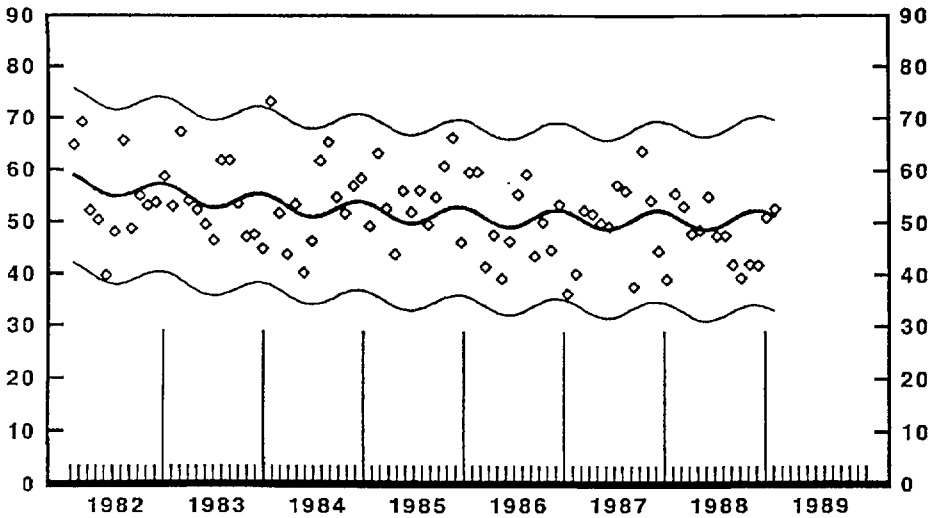

Figure 26. Death rates per 100,000 males 55–64 years of age for Accidents and adverse effects, by month: United States, 1982–89

Accidents and adverse effects accounted for 5,348 deaths, or 3 percent of all deaths for men 55–64 years of age, according to final data for 1986. Of these 5,348 deaths, 2,197 (41 percent) were due to Motor vehicle accidents. For the period shown in the chart, provisional death rates for Accidents and adverse effects have declined. Monthly death rates for January 1988–February 1989 were consistent with a model estimated on the basis of provisional monthly death rates for 1979–87. According to provisional annual death rates in 1988, the rate for males 55-64 years of age was about double the rate for women in this age group.

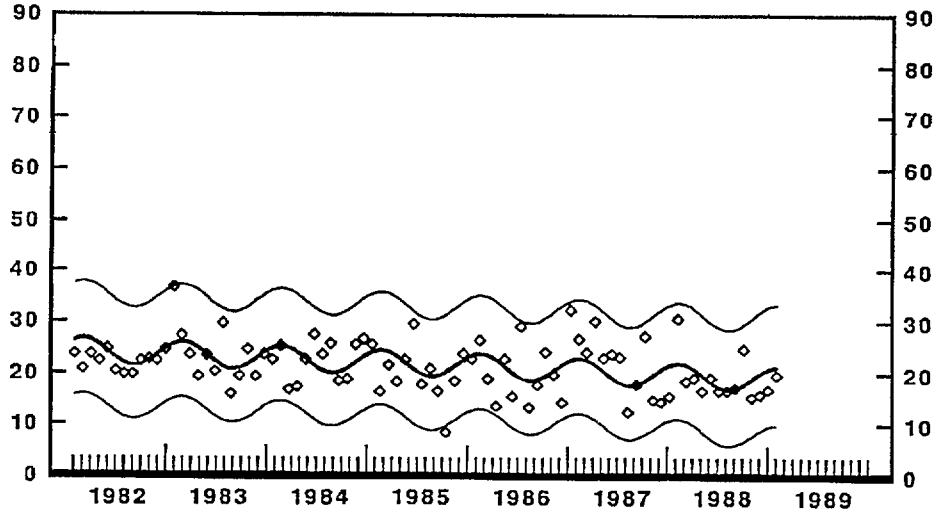

Figure 27. Death rates per 100,000 females 55–64 years of age for Chronic liver disease and cirrhosis, by month: United States, 1982–89

In 1986, the latest year for which final data are available, there were 2,441 deaths due to Chronic liver disease and cirrhosis for females 55–64 years of age. These deaths accounted for 2 percent of all deaths to these women in 1986. The overall trend of death rates for Chronic liver disease and cirrhosis for these women was slightly downward for the period shown in the chart through 1987. The monthly death rates for 1988 and for the first 2 months of 1989 were consistent with the rates predicted by a model estimated on the basis of provisional monthly death rates for 1979–87. According to provisional annual death rates for 1988, the death rate for Chronic liver disease and cirrhosis for females 55–64 years of age was about one half the rate for males in the same age group.

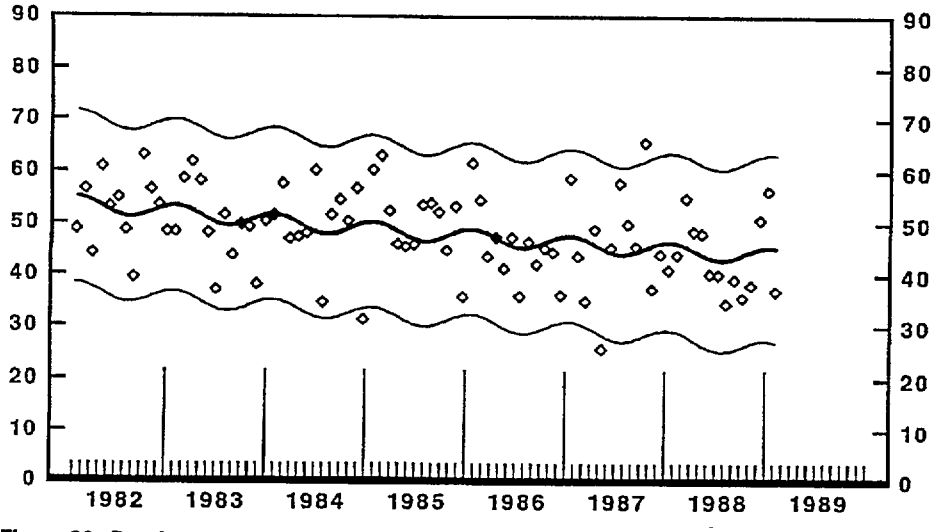

Figure 28. Death rates per 100,000 males 55–64 years of age for Chronic liver disease and cirrhosis, by month: United States, 1982–89

According to 1986 final data, Chronic liver disease and cirrhosis accounted for 4,722 deaths or 3 percent of all deaths for males 55–64 years of age. For the period shown in the chart through 1987, there was a decline in provisional death rates for Chronic liver disease and cirrhosis for males 55–64 years of age. The monthly death rates for January 1988–February 1989 for these men fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. In 1988 the provisional annual death rate for these men was about 2 times the rate for women in the same age group.

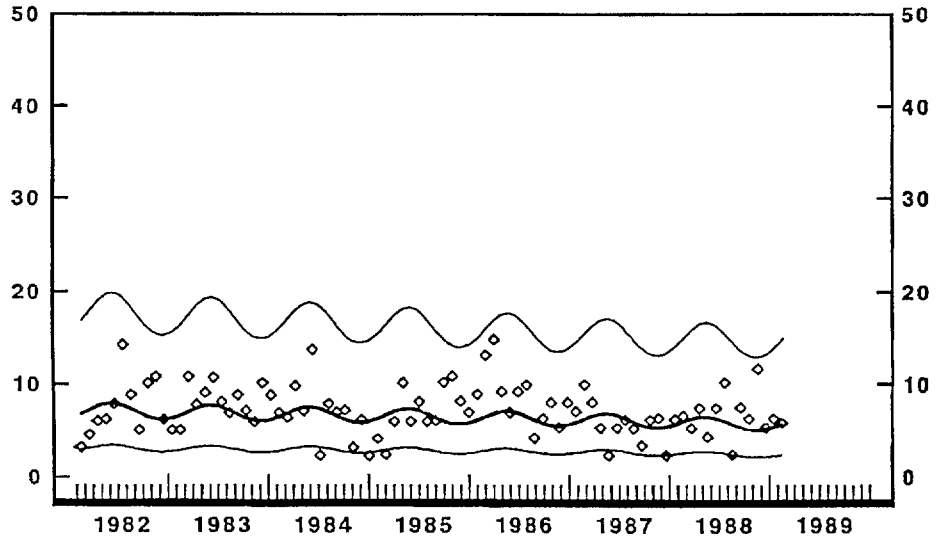

Figure 29. Death rates per 100,000 females 55–64 years of age for Suicide, by month: United States, 1982–89

[Data transformed by the natural logarithm before fitting model]

According to final data for 1986, there were 994 suicides for women 55–64 years of age. In that year, Suicide accounted for approximately 1 percent of all deaths to these women. For these women, there has been no discernible trend upward or downward in the provisional Suicide death rates during the period shown in the chart. The monthly death rates for 1988 and the first two months of 1989 were, with the exception of 1 month, within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87.

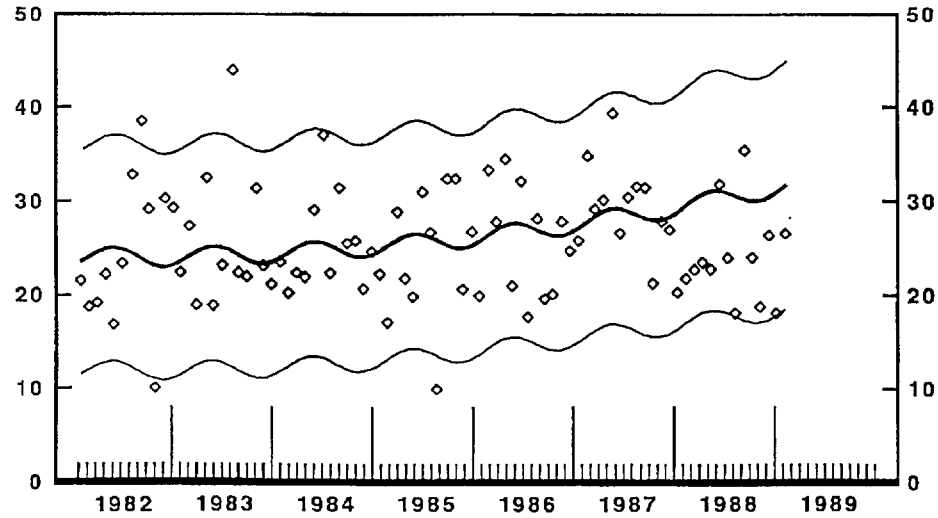

Figure 30. Death rates per 100,000 males 55–64 years of age for Suicide, by month: United States, 1982–89

For males 55–64 years of age, Suicide accounted for 2,788 deaths or 2 percent of all deaths for these men in 1986. During the period shown in the chart, there was a slight increase in the provisional death rates for Suicide for these men. The monthly death rates for 1988 and the first 2 months of 1989 were all within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. In 1988 the provisional annual death rate for men 55–64 years of age was 3.7 times the rate for women in the same age group.

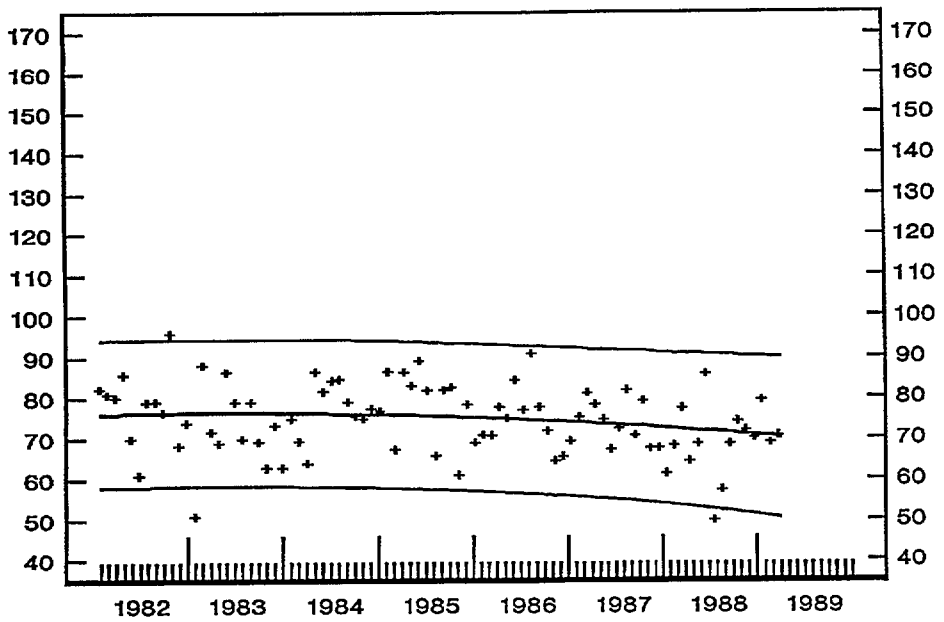

Figure 31. Death rates per 100,000 females 55–64 years of age for Malignant neoplasms of digestive organs and peritoneum, by month: United States, 1982–89

There were 8,502 deaths due to Malignant neoplasms of digestive organs and peritoneum for women 55–64 years of age in 1987, the latest year for which final data are available. For women in this age group this was the third most frequent cause of malignant neoplasm (cancer) deaths in 1987; it accounted for 19 percent of this group's cancer deaths and 8 percent of deaths from all causes. For these women, there has been no discernible trend upward or downward in the provisional death rates for Malignant neoplasms of digestive organs and peritoneum during the period shown in the chart. The observed rates for 1988 and the first 2 months of 1989, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Based on provisional annual death rates for 1988, the death rate for this cause for females 55–64 years of age was about one half the rate for males in the same age group.

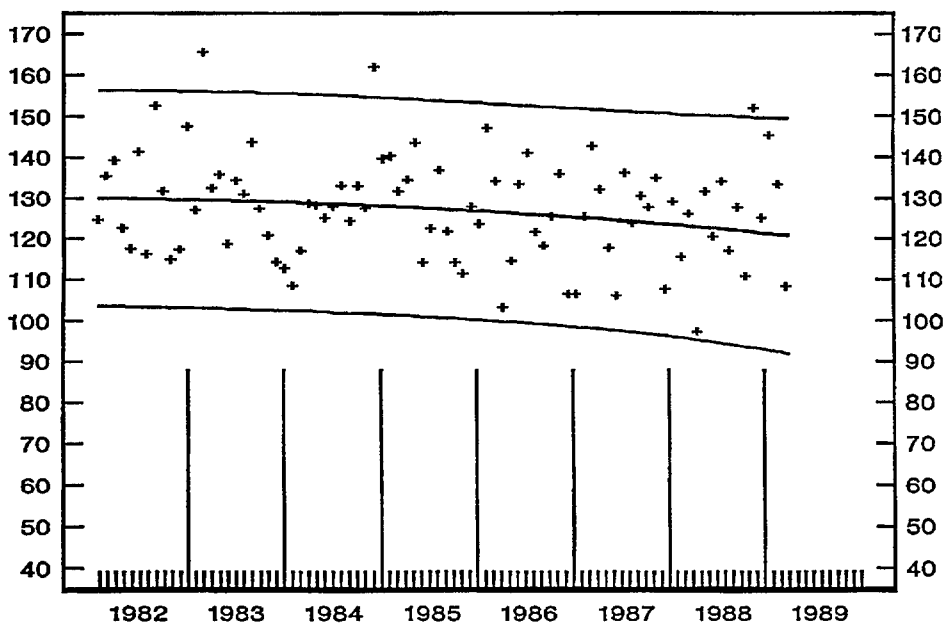

Figure 32. Death rates per 100,000 males 55–64 years of age for Malignant neoplasms of digestive organs and peritoneum, by month: United States, 1982–89

According to final data for 1987, Malignant neoplasms of digestive organs and peritoneum accounted for 13,046 deaths, or 8 percent of all deaths to men 55–64 years of age. Among these men Malignant neoplasms of digestive organs and peritoneum was the second most frequent cause of cancer death in 1987. For the period shown in the chart, provisional death rates for Malignant neoplasms of digestive organs and peritoneum have declined slightly. Monthly death rates for January 1988–February 1989, except for 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. According to provisional annual death rates in 1988, the rate for males 55–64 years of age was about double the rate for women in this age group.

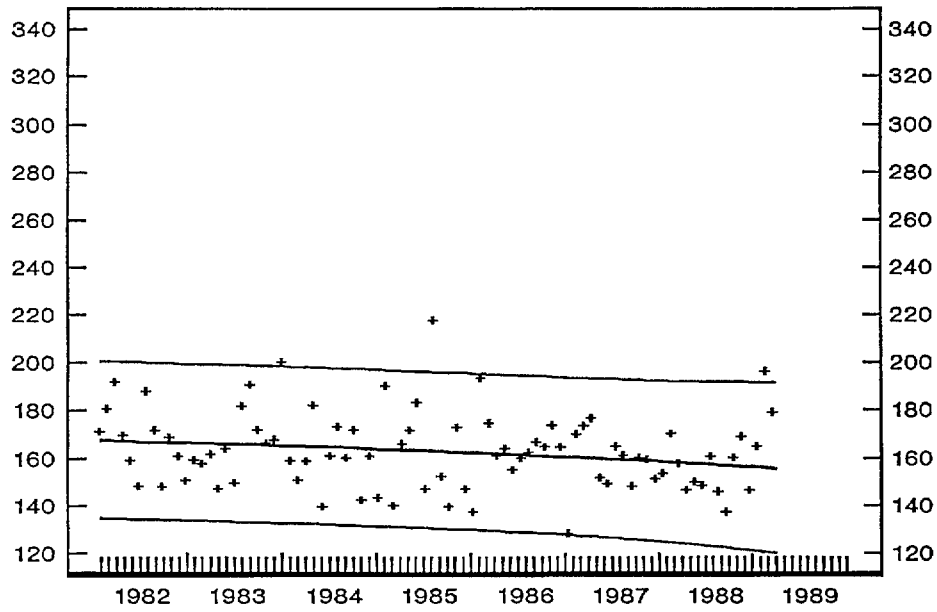

Figure 33. Death rates per 100,000 females 65–74 years of age for Malignant neoplasms of digestive organs and peritoneum, by month: United States, 1982–89

In 1987, the latest year for which final data are available, there were 15,584 deaths due to Malignant neoplasms of digestive organs and peritoneum for women 65–74 years of age; this number is slightly more than the number of deaths for these women due to Malignant neoplasms of respiratory and intrathoracic organs (15,489). For women 65–74 years of age, cancer of the digestive organs and peritoneum was the most frequent cause of cancer death in 1987; it accounted for 24 percent of cancer deaths for these women. The overall trend of provisional death rates for cancer of the digestive organs and peritoneum for these women was downward for the period shown in the chart through 1987. The monthly death rates for 1988 and for the first 2 months of 1989, except for 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. According to provisional annual death rates for 1988, the death rate for Malignant neoplasms of digestive organs and peritoneum for females 65–74 years of age was more than double the rate for females 55–64 years of age.

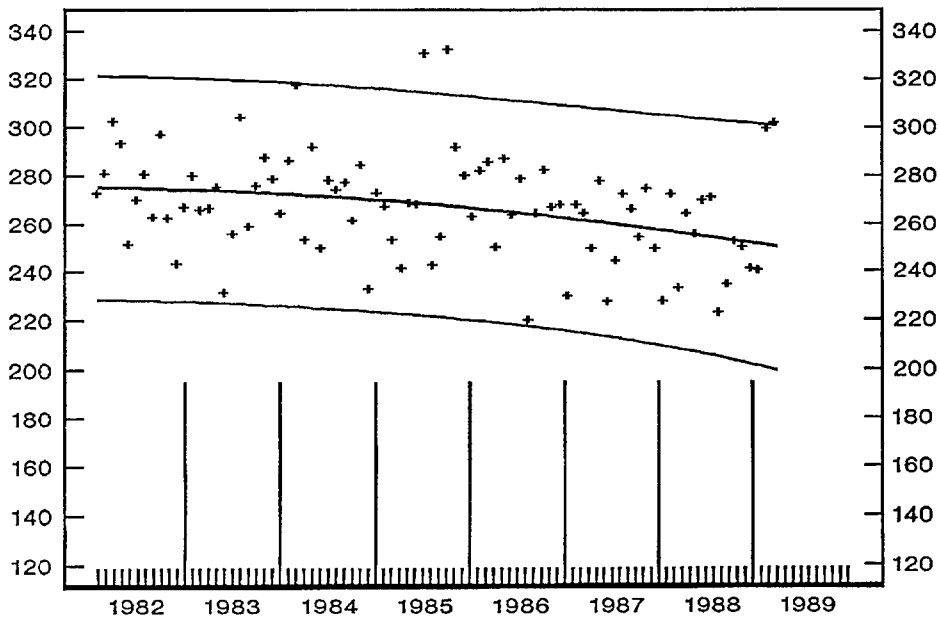

Figure 34. Death rates per 100,000 males 65–74 years of age for Malignant neoplasms of digestive organs and peritoneum, by month: United States, 1982–89

According to final data for 1987, Malignant neoplasms of digestive organs and peritoneum accounted for 20,555 deaths, or 7 percent of all deaths for males 65–74 years of age. For these men it was the second most frequent cause of cancer death in 1987. For the period shown in the chart through 1987, there was a decline in provisional death rates for Malignant neoplasms of digestive organs and peritoneum for males 65–74 years of age. The monthly death rates for January 1988–February 1989 were, with the exception of 1 month, within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. In 1988 the provisional annual death rate for these men was 1.6 times the rate for women in this same age group.

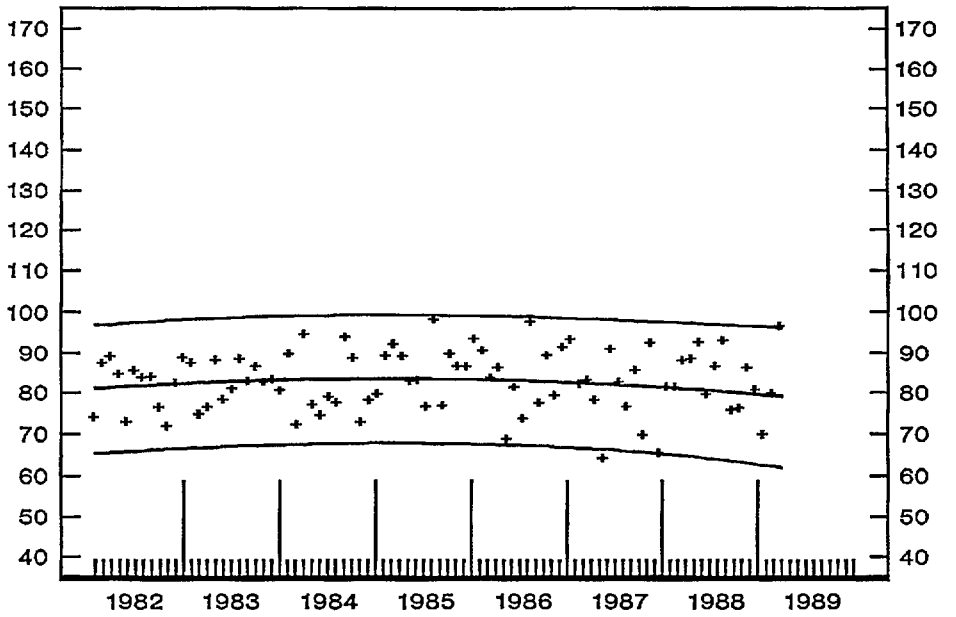

Figure 35. Death rates per 100,000 females 55–64 years of age for Malignant neoplasm of breast, by month: United States, 1982–89

According to final data for 1987, there were 9,407 deaths due to Malignant neoplasm of breast for women 55–64 years of age, or 9 percent of deaths for all causes for these women. For women in this age group, breast cancer was the second most frequent cause of cancer death in that year behind respiratory cancer. For the period shown in the chart, there was an increase in the provisional death rates with a leveling off of the rates for the most recent years. The monthly death rates for 1988 and the first 2 months of 1989 were consistent with a model estimated on the basis of provisional monthly death rates for 1979–87.

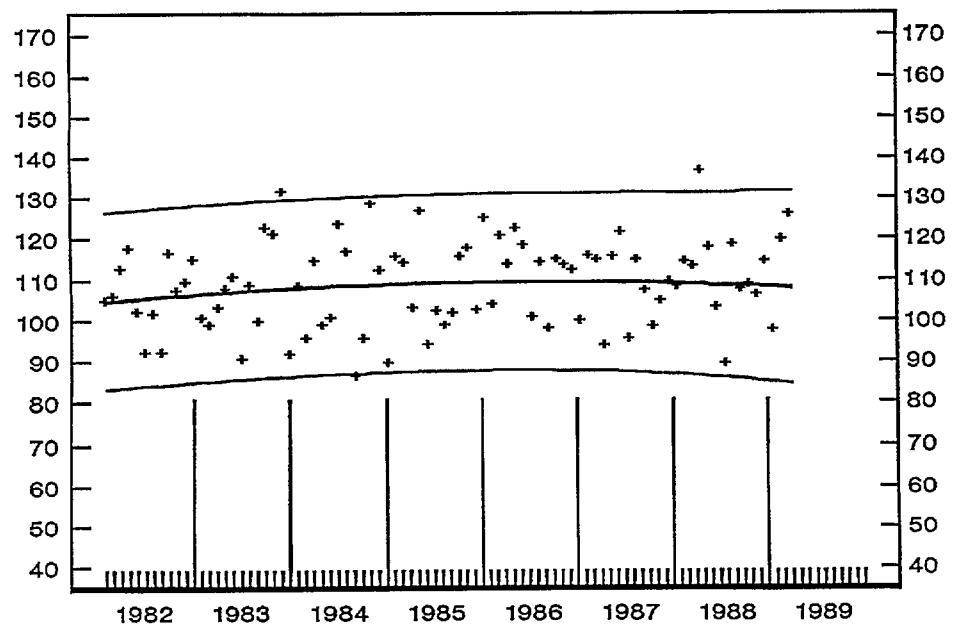

Figure 36. Death rates per 100,000 females 65–74 years of age for Malignant neoplasm of breast, by month: United States, 1982–89

Malignant neoplasm of breast accounted for 10,664 deaths, or 5 percent of all deaths for females 65–74 years of age in 1987. For these women, breast cancer was the third most frequent cause of cancer death in 1987 accounting for 17 percent of all cancer deaths. During the period shown in the chart, there was an increase in the provisional death rates for breast cancer for these women with a leveling off of the rates in the most recent years. The monthly death rates for 1988 and the first 2 months of 1989 were, with the exception of 1 month, within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. In 1988 the provisional annual death rate for women 65–74 years was one third greater than the rate for women in the 55–64 year age group.

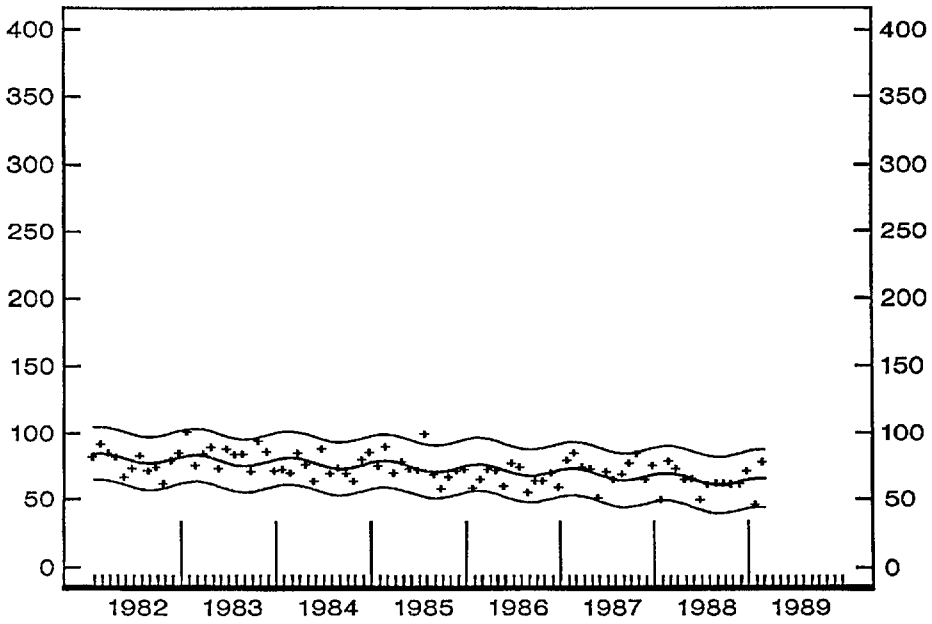

Figure 37. Death rates per 100,000 females 45–54 years of age for Diseases of heart, by month: United States, 1982–89

Diseases of heart was the second most frequent cause of death for women 45–54 years of age in 1987, the latest year for which final data are available. It accounted for 8,413 deaths, or 20 percent of all deaths for women in this age group. For the period shown in the chart through 1987, there has been a downward trend in provisional death rates for these women. The observed rates for 1988 and the first 2 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter. Based on 1988 provisional annual death rates, the death rate for women in this age group was about one-third the rate for men.

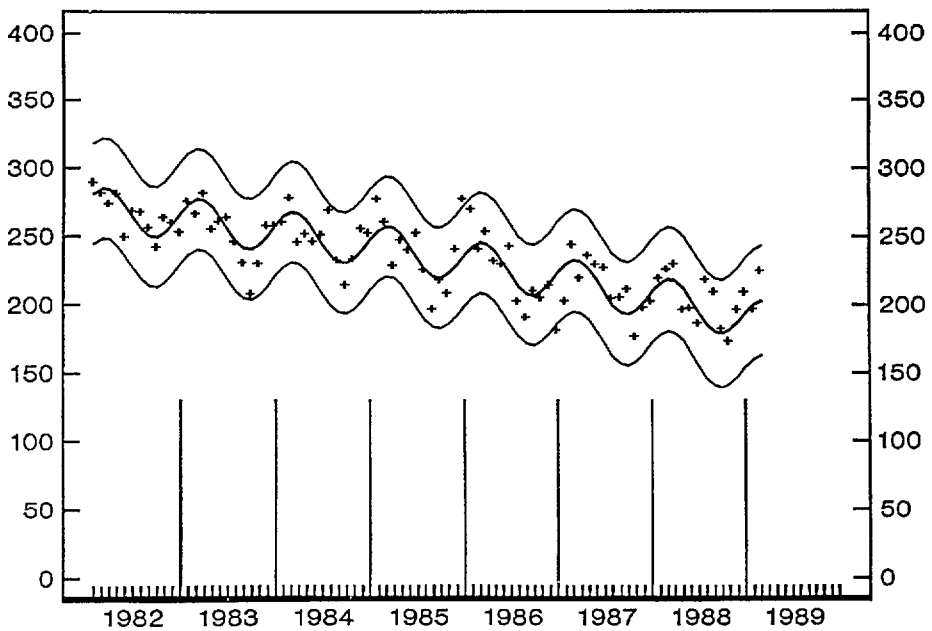

Figure 38. Death rates per 100,000 males 45–54 years of age for Diseases of heart, by month: United States, 1982–89

According to final data for 1987, Diseases of heart was the most frequent cause of death for males 45–54 years of age. In that year the 24,295 deaths due to this cause for these men represented 33 percent of deaths from all causes for this group. For the period shown in the chart through 1987, provisional death rates for Diseases of heart have declined for males 45–54 years of age. The monthly death rates for January 1988–February 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly death rates for these men also showed a seasonal pattern with a tendency for rates to be higher in the winter. According to provisional annual death rates for 1988, the rate for males 45–54 years of age was about 3 times the rate for women in this age group.

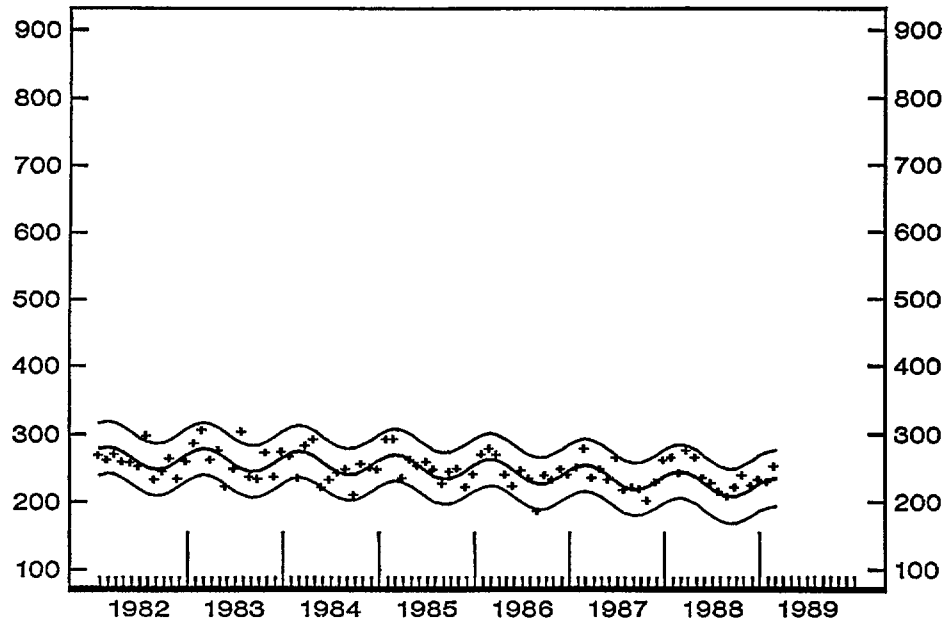

Figure 39. Death rates per 100,000 females 55–64 years of age for Diseases of heart, by month: United States, 1982–89

According to final data for 1987, Diseases of heart accounted for 27,967 deaths or 27 percent of all deaths for women 55–64 years of age. It was the second most frequent cause of death (behind cancer) for these women. The overall trend in provisional death rates for Diseases of heart for these women was downward for the period shown in the chart through 1987. The monthly death rates for January 1988–February 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. As shown in the chart, women in the age group 55–64 years had a seasonal pattern of mortality for this cause with a tendency for rates to be higher during the winter. In 1988 the provisional annual death rate for this cause for this age-sex group was about 4 times the rate for women 45–54 years of age, and less than half the rate for men 55–64 years of age.

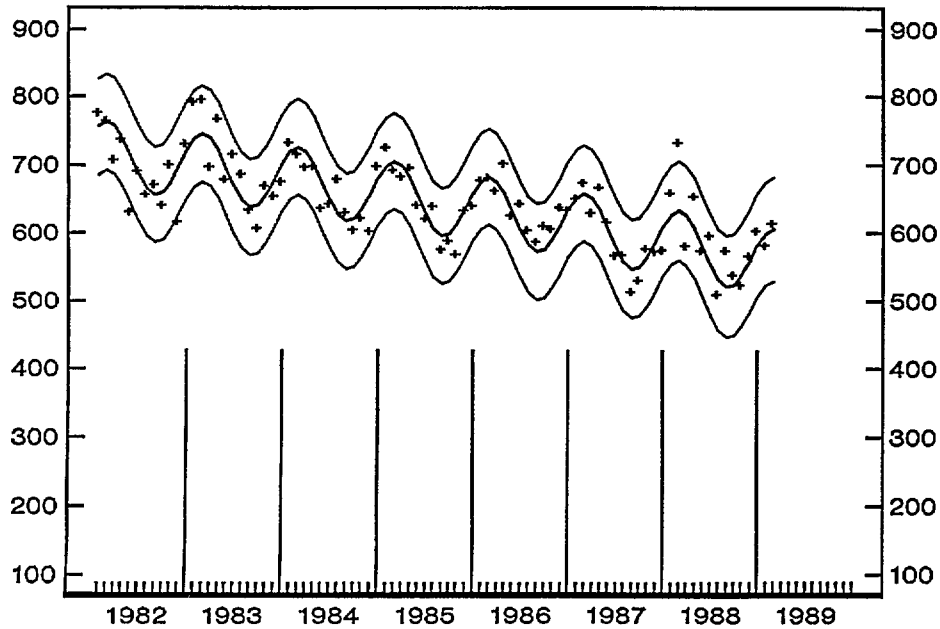

Figure 40. Death rates per 100,000 males 55–64 years of age for Diseases of heart, by month: United States, 1982–89

Diseases of heart was the most frequent cause of death for males 55–64 years of age. It accounted for 62,050 deaths or 37 percent of all deaths for males 55–64 years of age in 1987, the latest year final data are available. For the period shown in the chart through 1987, there was a decline in provisional death rates for Diseases of heart for males 55–64 years of age. The monthly death rates for January 1988–February 1989, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly rates for this cause and age-sex group also showed a seasonal pattern of mortality with a tendency toward higher rates during the winter. The 1988 provisional annual death rate for these men was about 3 times the rate for men 45–54 years of age, and about 2.5 times the rate for women 55–64 years of age.

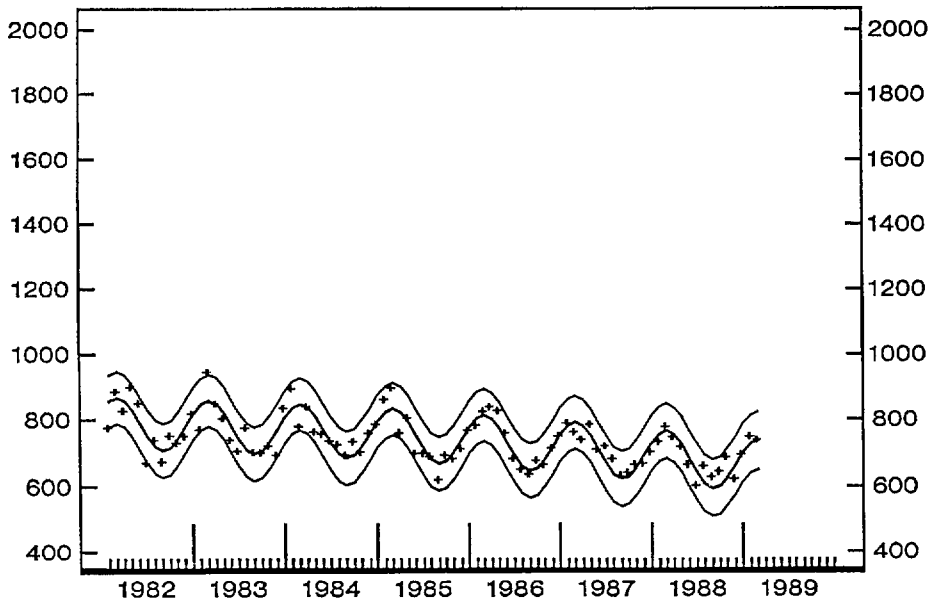

Figure 41. Death rates per 100,000 females 65–74 years of age for Diseases of heart, by month: United States, 1982–89

Diseases of heart was the most frequent cause of death for women 65–74 years of age in 1987, the latest year for which final data are available. In that year there were 69,425 deaths due to this cause for women 65–74 years of age, accounting for 34 percent of deaths from all causes for these women. For the period shown in the chart, provisional death rates for Diseases of heart have declined. The monthly death rates for 1988 and the first 2 months of 1989 were consistent with a model estimated on the basis of provisional monthly death rates for 1979–87. As shown in the chart, women in the age group 65–74 years had a seasonal pattern of mortality with a tendency for higher rates in the winter. For these women the provisional annual death rate for 1988 for Diseases of heart was one-half the rate for men in this age group; the female to male death ratio was larger for this age group than for the other two age groups.

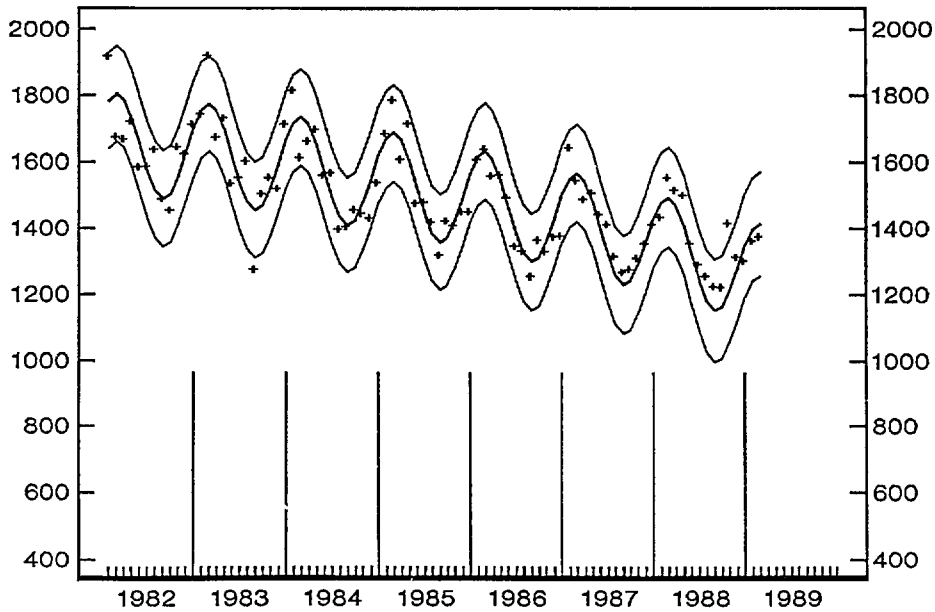

Figure 42. Death rates per 100,000 males 65–74 years of age for Diseases of heart, by month: United States, 1982–89

For males 65–74 years of age, Diseases of heart accounted for 108,647 deaths or 38 percent of all deaths for these men in 1987. For these men Diseases of heart was the most frequent cause of death. During the period shown in the chart, there was a decrease in the provisional death rates for Diseases of heart for these men. The monthly death rates for 1988 and the first 2 months of 1989 were, with the exception of 1 month, within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these men also showed a seasonal pattern with a tendency for rates to be higher in the winter. In 1988 the provisional annual death rate for men 65–74 years of age was 2 times the rate for women in the same age group and 2.3 times the rate for men 55–64 years of age.

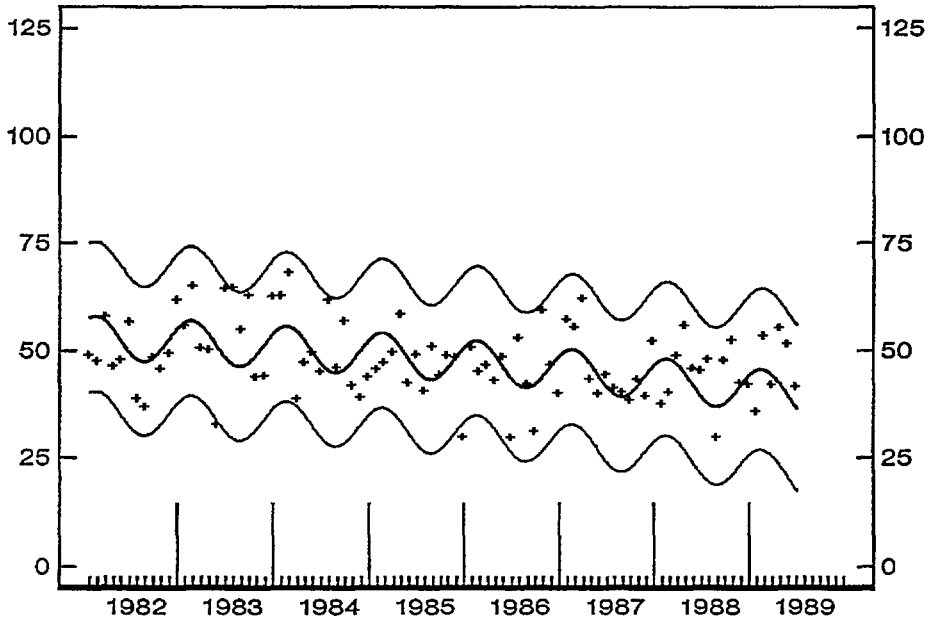

Figure 43. Death rates per 100,000 females 55–64 years of age for Cerebrovascular diseases, by month: United States, 1982–89

In 1987, the latest year for which final data are available, Cerebrovascular diseases was the third most frequent cause of death for women aged 55–64 years. It accounted for 5,304 deaths, or 5 percent of all deaths for women in this age group. For the period shown in the chart through 1987 there has been a downward trend in provisional death rates for these women. The observed monthly rates for 1988 and the first 6 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these women showed a seasonal pattern of mortality, with a tendency for rates to be higher during the winter. Based on 1988 provisional annual death rates, the death rate for women in this age group was three-fourths the rate for men in the same age group.

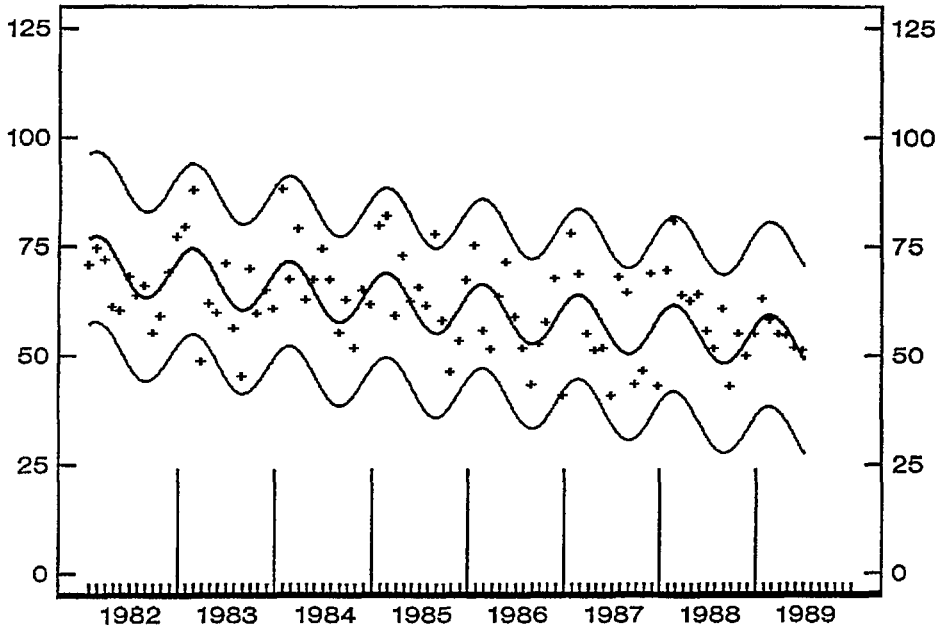

Figure 44. Death rates per 100,000 males 55–64 years of age for Cerebrovascular diseases, by month: United States, 1982–89

According to final data for 1987 Cerebrovascular diseases was the third most frequent cause of death for males aged 55–64 years. It accounted for 6,184 deaths, or 4 percent of all deaths for males in this age group. For the period shown in the chart through 1987, there was a decline in provisional death rates for Cerebrovascular diseases for males aged 55–64 years. The monthly death rates for January 1988–June 1989 were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly rates for this cause and age-sex group also showed a seasonal pattern of mortality, with a tendency toward higher rates during the winter. The 1988 provisional annual death rate for these men was 1.3 times the rate for women in the same age group.

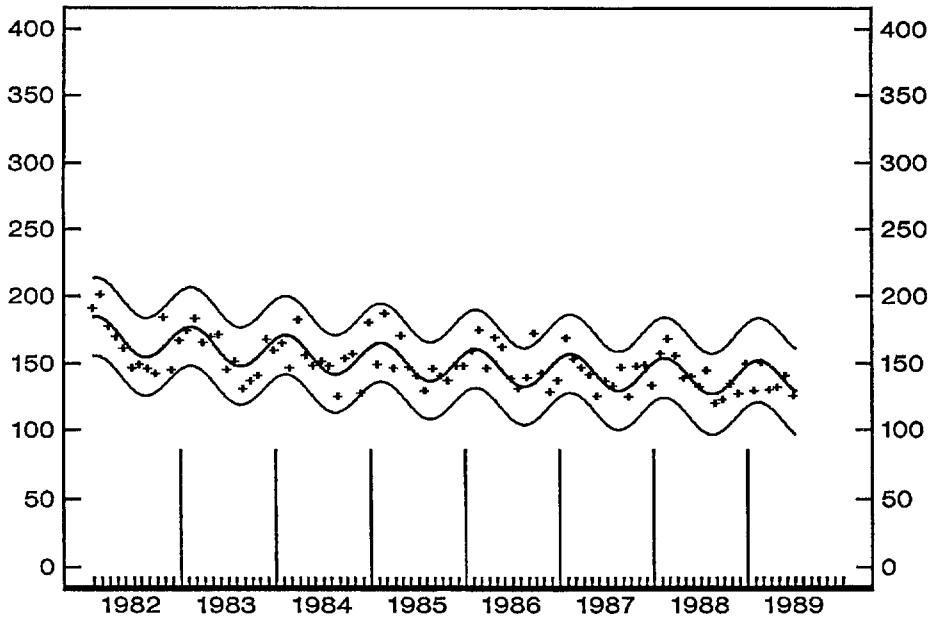

Figure 45. Death rates per 100,000 females 65–74 years of age for Cerebrovascular diseases, by month: United States, 1982–89

According to final data in 1987 Cerebrovascular diseases was the third most frequent cause of death for women aged 65–74 years. It accounted for 13,836 deaths, or 7 percent of all deaths for women in this age group. There has been a downward trend in provisional death rates for these women for the period shown in the chart through 1987. The monthly rates for 1988 and the first 6 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly rates for this cause for these women showed a seasonal pattern of mortality, with a tendency for rates to be higher during the winter. Based on 1988 provisional annual death rates, the death rate for women in this age group was about 3 times the rate for women aged 55–64 years and 0.8 times the rate for men aged 65–74 years.

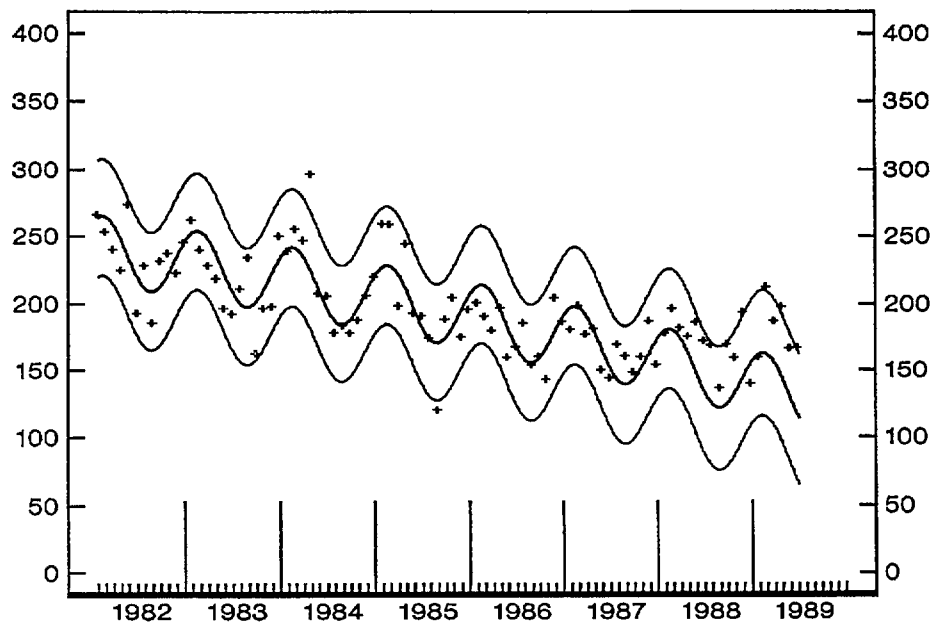

Figure 46. Death rates per 100,000 males 65–74 years of age for Cerebrovascular diseases, by month: United States, 1982–89

In 1987 Cerebrovascular diseases was the fourth most frequent cause of death for males aged 65–74 years and accounted for 13,931 deaths, or 5 percent of all deaths for males in this age group. For the period shown in the chart through 1987, there was a decline in provisional death rates for Cerebrovascular diseases for males aged 65–74 years. The monthly death rates for the period January 1988–June 1989 suggest that the downward trend for this age group may be changing unfavorably, that is, the downward trend may be continuing at a slower pace than in the past. Most of the rates for January 1988–June 1989 are above the fitted model estimated on the basis of provisional monthly death rates for 1979–87. Of these, four were above the upper 95-percent prediction band based on this model; and all of these four rates were within the last 8 months shown on the chart. The monthly rates for this cause and age-sex group also showed a seasonal pattern of mortality, with a tendency toward higher rates during the winter. The 1988 provisional annual death rate for these men was about 3 times the rate for men aged 55–64 years and 1.2 times the rate for women aged 65–74 years.

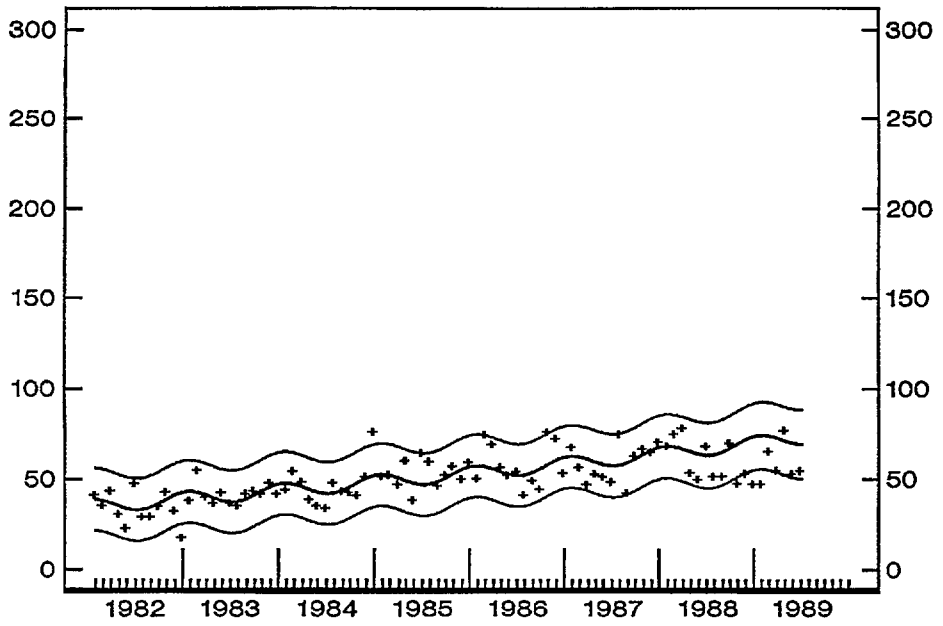

Figure 47. Death rates per 100,000 females 75–84 years of age for Septicemia, by month: United States, 1982–89

According to final data for 1987 Septicemia accounted for 3,493 deaths, or 1 percent of all deaths for women aged 75–84 years. The trend in provisional death rates for Septicemia has been upward for the period shown in the chart through 1987. The monthly death rates for the period January 1988–June 1989 suggest that the Septicemia death rates for these women may not be increasing as rapidly as in the past. Most of the rates for this period were below the fitted model estimated on the basis of provisional monthly death rates for 1979–87; four of these consecutive monthly rates (October 1988–January 1989) were below the lower 95-percent prediction band for this model. As shown in the chart, women in this age group (75–84 years) had a seasonal pattern of mortality, with a tendency for higher rates in the winter. For these women the provisional annual death rate for 1988 for Septicemia was about three-fourths the rate for men in this age group.

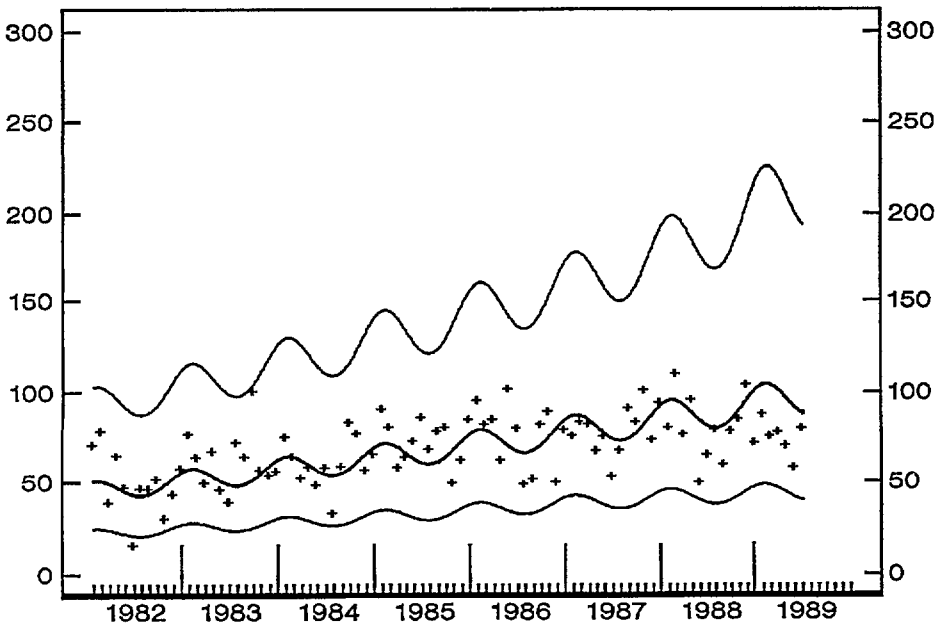

Figure 48. Death rates per 100,000 males 75–84 years of age for Septicemia, by month: United States, 1982–89

[Data transformed by the natural logarithm before fitting model]

In 1987 Septicemia accounted for 2,691 deaths, or 1 percent of all deaths for males aged 75–84 years. During the period shown in the chart through 1987 there was an upward trend in the provisional death rates for Septicemia for these men. For the period January 1988–June 1989, most of the monthly rates fell below the fitted model estimated on the basis of provisional monthly death rates for 1979–87, but all rates for this period were within the 95-percent prediction bands for this model. In 1988 the provisional annual death rate for men aged 75–84 years was 1.3 times the rate for women in the same age group.

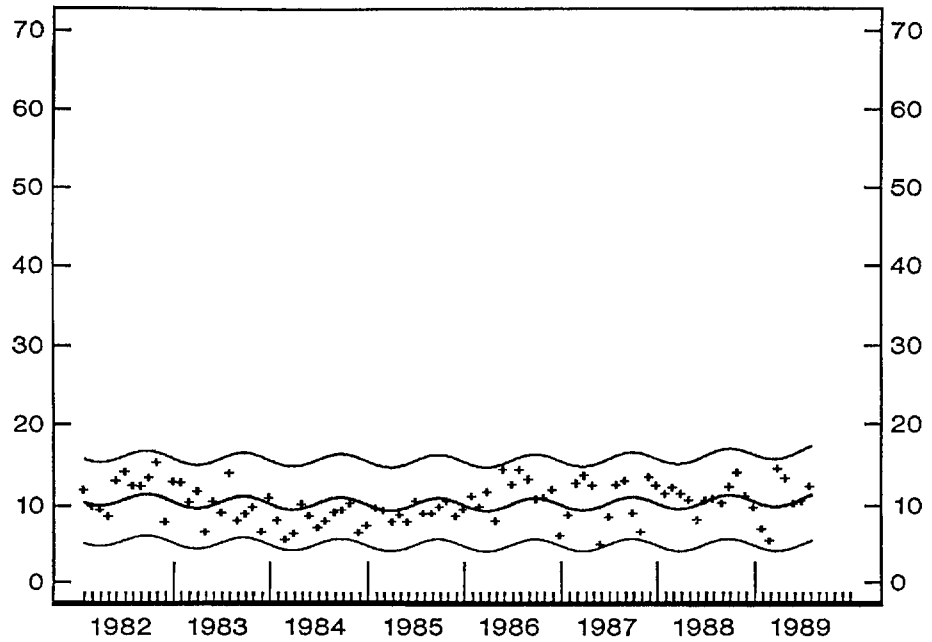

Figure 49. Death rates per 100,000 females 25–34 years of age for Motor vehicle accidents, by month: United States, 1982–89

In 1987, the latest year for which final data are available, Accidents and adverse effects was the most frequent cause of death for women aged 25–34 years. Within the category of accidental deaths, Motor vehicle accidents accounted for 2,494 deaths, or 71 percent of all accidental deaths and 16 percent of all deaths for women in this age group. For these women provisional death rates from Motor vehicle accidents decreased slightly from 1979 to 1987. The observed monthly rates for 1988 and the first 7 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these women showed a seasonal pattern of mortality, with a tendency for rates to be higher during the late summer. Based on 1988 provisional annual death rates, the death rate for women in this age group was 0.3 times the rate for men in the same age group.

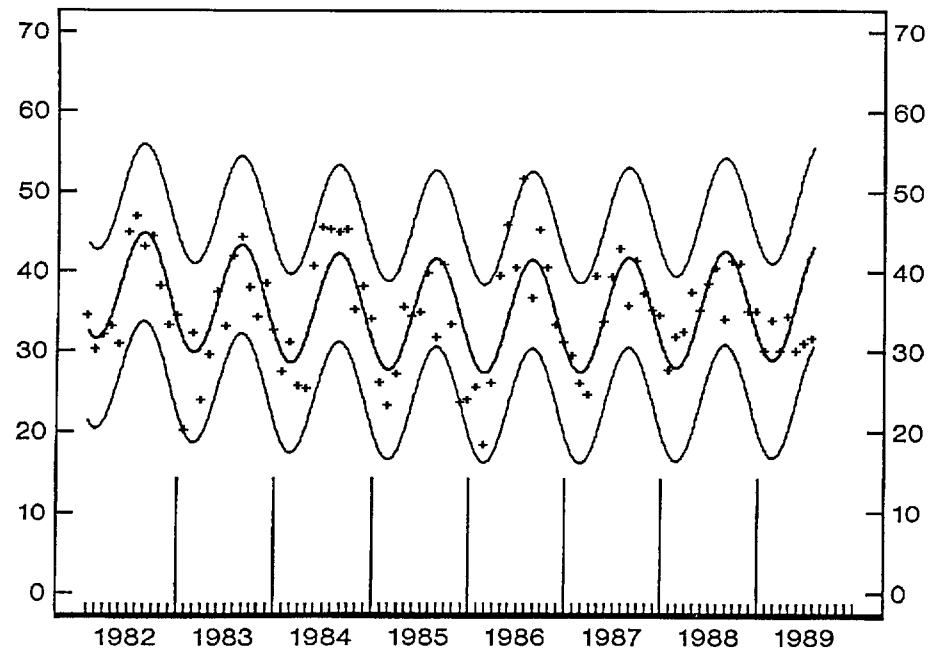

Figure 50. Death rates per 100,000 males 25–34 years of age for Motor vehicle accidents, by month: United States, 1982–89

According to final data for 1987, Accidents and adverse effects was the most frequent cause of death for males aged 25–34 years. Motor vehicle accidents accounted for 7,973 deaths, or 61 percent of all accidental deaths and 19 percent of deaths from all causes for men in this age group. For the period shown in the chart through 1987, there was a gradual decline with a possible leveling off in provisional death rates for Motor vehicle accidents for males aged 25–34 years. Monthly death rates for January 1988–July 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly death rates for this cause and age-sex group also showed a definite seasonal pattern of mortality, with a tendency toward higher rates during the late summer. The 1988 annual provisional death rate for these men was 3 times the rate for women in the same age group.

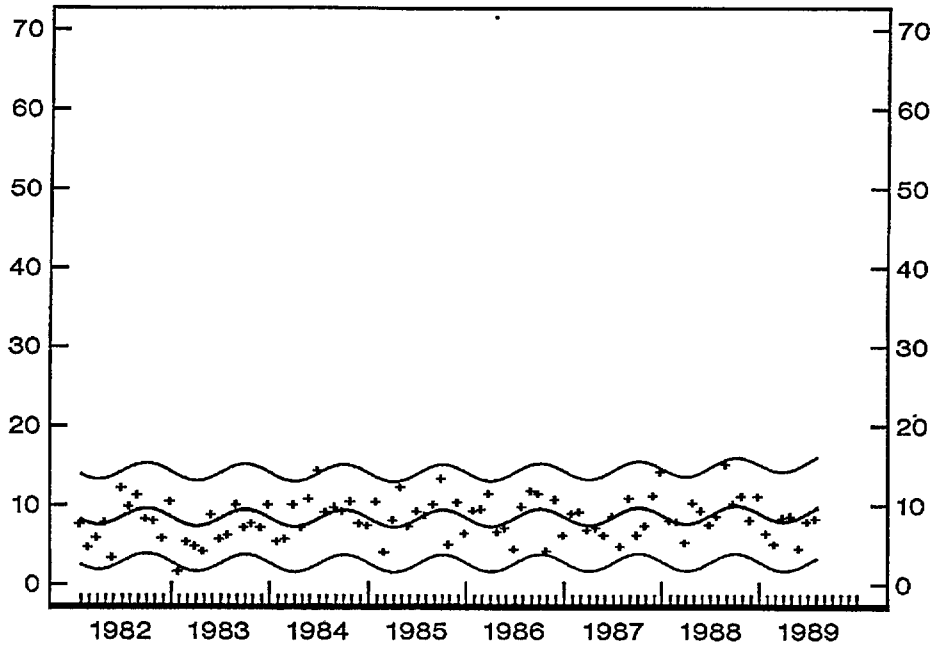

Figure 51. Death rates per 100,000 females 35–44 years of age for Motor vehicle accidents, by month: United States, 1982–89

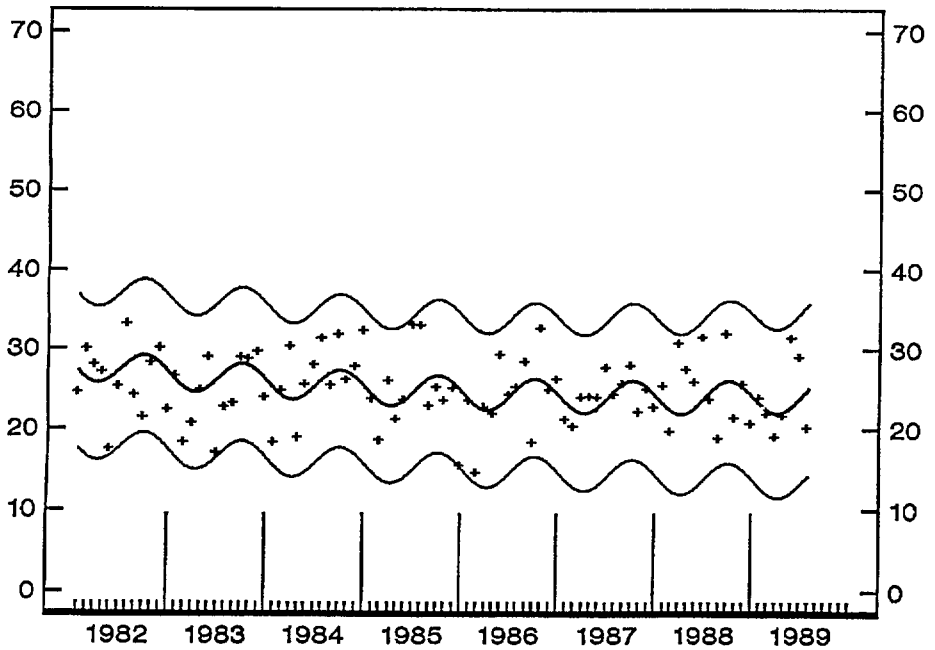

Figure 52. Death rates per 100,000 males 35–44 years of age for Motor vehicle accidents, by month: United States, 1982–89

According to final data for 1987, Accidents and adverse effects was the third most frequent cause of death for females aged 35–44 years. Motor vehicle accidents accounted for 1,616 deaths, or 64 percent of the accidental deaths and 7 percent of all deaths for women in this age group. There has been no discernible upward or downward trend in the provisional death rates during the period shown in the chart. The observed monthly rates for 1988 and the first 7 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly death rates showed a seasonal pattern of mortality, with a tendency for the peak in death rates to occur from late summer to early fall. Based on 1988 provisional annual death rates, the death rate for women aged 35–44 years was 0.4 times the rate for men in the same age group and 0.8 times the rate for women aged 25–34 years.

In 1987, the latest year for which final data are available, Accidents and adverse effects was the second most frequent cause of death for males aged 35–44 years. Accidents accounted for 8,339 deaths, or 17 percent of all deaths for males in this age group. Motor vehicle accidents accounted for 4,322 deaths, or 52 percent of all accidental deaths and 9 percent of deaths from all causes for men aged 35–44 years. For the period shown in the chart through 1987, there was a decline in provisional death rates for Motor vehicle accidents for males aged 35–44 years. The monthly death rates for January 1988–July 1989 were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly death rates for this cause and age-sex group, like females in this age group, showed a seasonal pattern of mortality, with a tendency toward higher rates from late summer to early fall. The 1988 provisional annual death rate for these men for Motor vehicle accidents was about 3 times the rate for women in this same age group and 0.7 the rate for males aged 25–34 years.

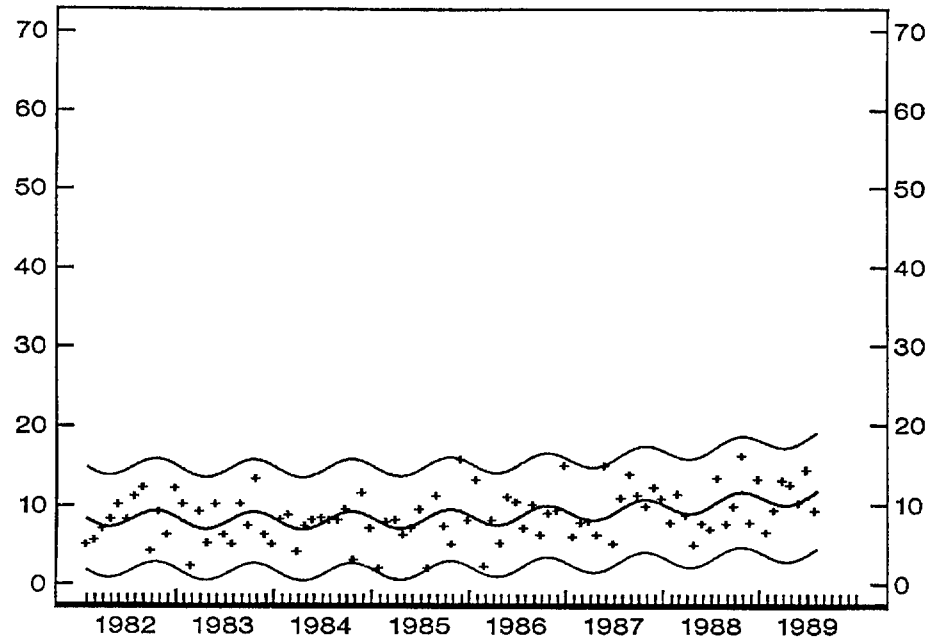

Figure 53. Death rates per 100,000 females 45–54 years of age for Motor vehicle accidents, by month: United States, 1982–89

According to final data for 1987, Accidents and adverse effects was the third most frequent cause of death for females aged 45–54 years and accounted for 1,870 deaths, or 4 percent of all deaths for women in this age group. Motor vehicle accidents accounted for 1,106 deaths, or 60 percent of deaths from all accidents and 3 percent of all deaths for women in this age group. For these women provisional death rates from Motor vehicle accidents decreased slightly from 1979 to the mid 1980's and, as shown in the chart, have increased slightly since then. The observed monthly rates for 1988 and the first 7 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Monthly rates for this cause showed a seasonal pattern of mortality, with a tendency for rates to be higher during the early fall. Based on 1988 provisional annual death rates, the death rate for women in this age group was one-half the rate for men in the same age group and nearly the same as the rate for women aged 35–44 years.

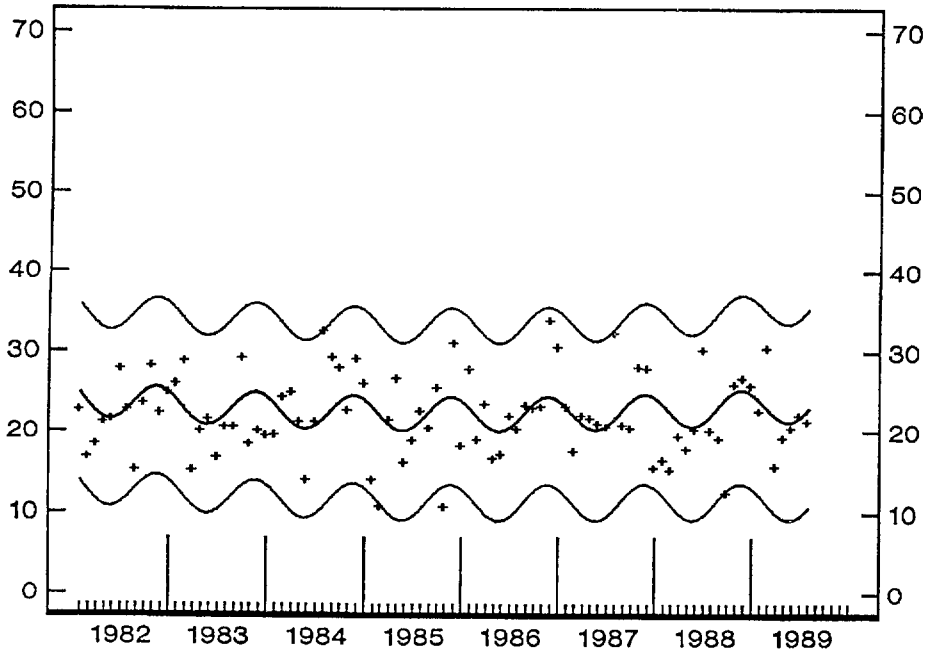

Figure 54. Death rates per 100,000 males 45–54 years of age for Motor vehicle accidents, by month: United States, 1982–89

According to final data for 1987, Accidents and adverse effects was the third most frequent cause of death for males aged 45–54 years and accounted for 5,112 deaths, or 7 percent of deaths from all causes for this age-sex group. Motor vehicle accidents accounted for 2,470 deaths, or 48 percent of deaths from all accidents and 3 percent of deaths from all causes for men aged 45–54 years. For the period shown in the chart, provisional death rates for Motor vehicle accidents have declined slightly. Except for 1 month, monthly death rates for January 1988—July 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly rates for this cause and age-sex group also showed a seasonal pattern of mortality, with a tendency toward higher rates during the fall. The 1988 provisional annual death rate for these men was twice the rate for women in this same age group and 0.8 times the rate for men aged 35–44 years.

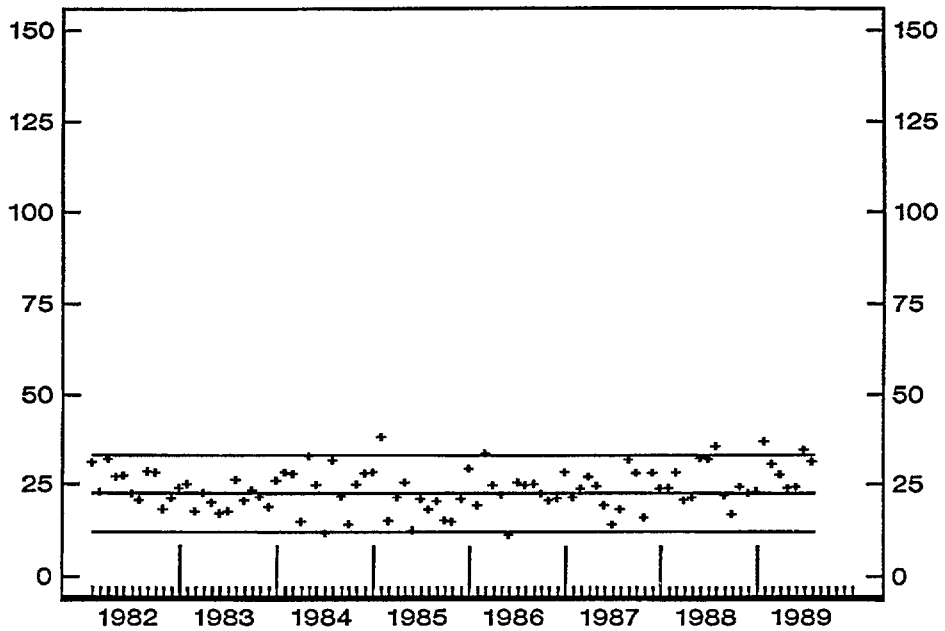

Figure 55. Death rates per 100,000 males 55–64 years of age for Malignant neoplasms of genital organs, by month: United States, 1982–89

In 1987, the latest year for which final mortality data are available, Malignant neoplasms of genital organs (genital cancer) accounted for 2,531 deaths, or 2 percent of deaths from all causes for men aged 55–64 years. For these men, genital cancer was the third most frequent cause of malignant neoplasm (cancer) death in 1987. For the period shown in the chart through 1987, there has been no discernible upward or downward trend in the provisional death rates for genital cancer. The observed rates for 1988 and the first 7 months of 1989, with the exception of 3 months, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Although three monthly rates were above the upper 95-percent prediction band, it is too early to detect a shift in trend.

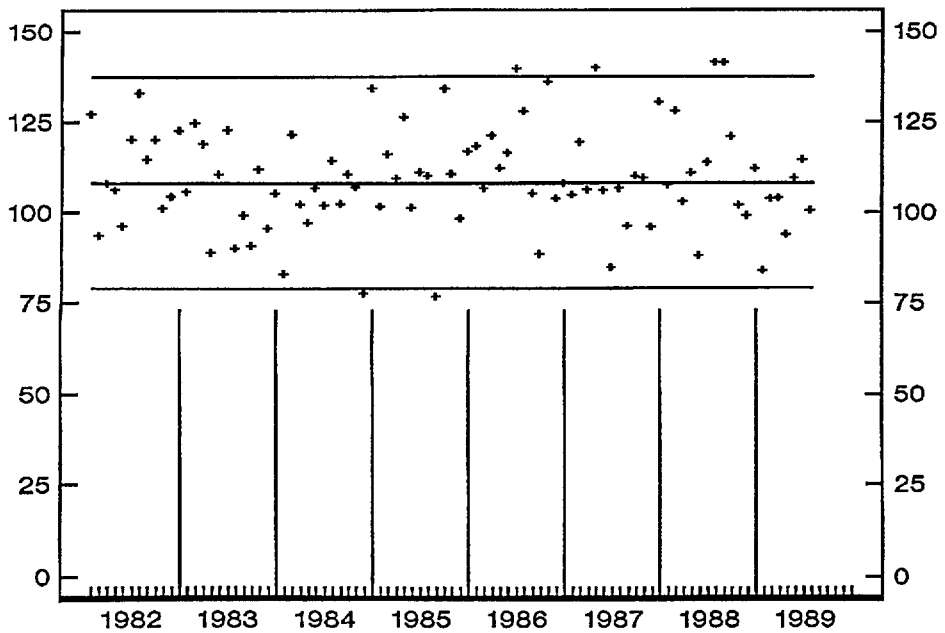

Figure 56. Death rates per 100,000 males 65–74 years of age for Malignant neoplasms of genital organs, by month: United States, 1982–89

According to final data for 1987, genital cancer accounted for 8,694 deaths, or 3 percent of deaths from all causes for men aged 65–74 years. For these men, this was the third most frequent cause of cancer death. For the period shown in the chart through 1987, there has been no discernible upward or downward trend in provisional death rates for this age-sex group. The observed monthly death rates for this cause for 1988 and the first 7 months of 1989, with the exception of 2 months, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Based on 1988 provisional annual death rates, the death rate for men in this age group was 5 times the rate for men aged 55–64 years.

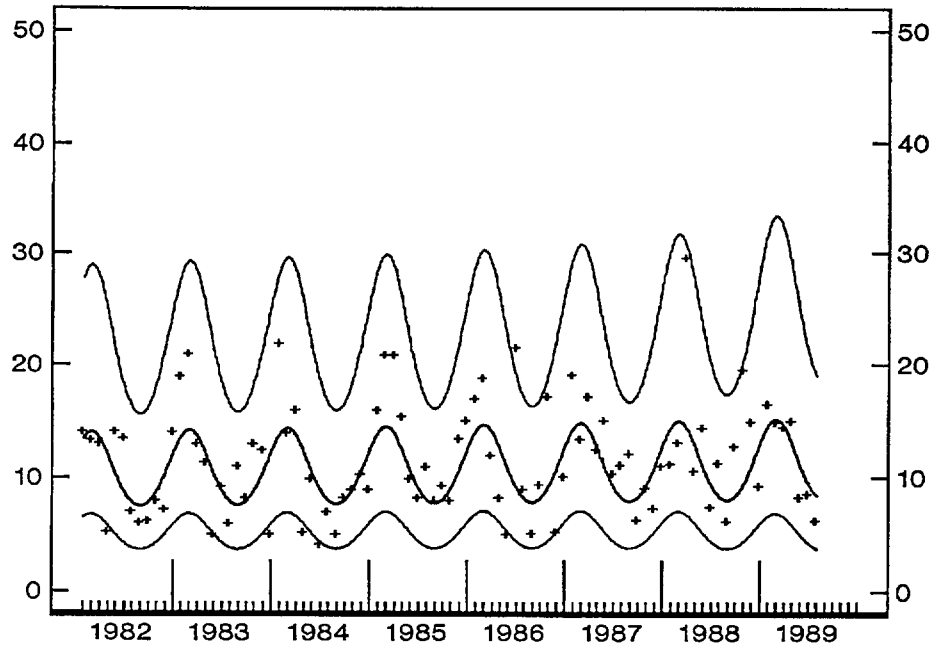

Figure 57. Death rates per 100,000 females 55–64 years of age for Pneumonia and influenza, by month: United States, 1982–89

In 1987, the latest year for which final data are available, Pneumonia and influenza was the eighth most frequent cause of death for women 55–64 years of age and accounted for 1,421 deaths, or 1 percent of deaths for women in this age group. For the period shown in the chart through 1987, there was no discernible upward or downward trend in the provisional death rates for Pneumonia and influenza for women aged 55–64 years. The observed monthly death rates for 1988 and the first 7 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these women showed a seasonal pattern of mortality with a tendency for the peak in death rates to be higher during the winter. Based on 1988 provisional annual death rates, the death rate for women in this age group was half the rate for men in the same age group.

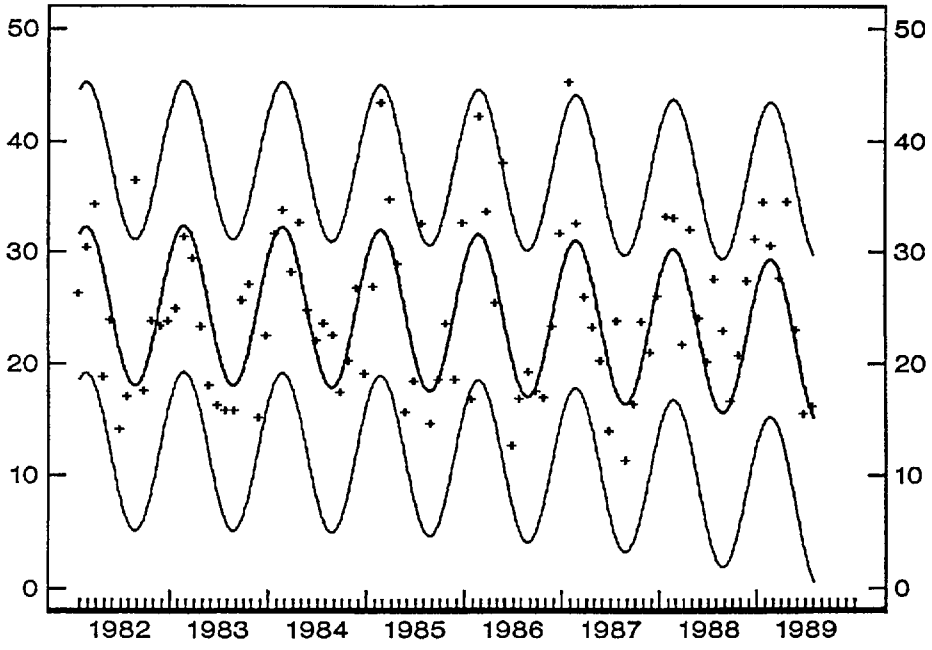

Figure 58. Death rates per 100,000 males 55–64 years of age for Pneumonia and influenza, by month: United States, 1982–89

According to final data for 1987, Pneumonia and influenza was the ninth most frequent cause of death for men aged 55–64 years. It accounted for 2,458 deaths, or 1 percent of deaths from all causes for men in this age group. For these men, there has been no discernible upward or downward trend in the provisional death rates for Pneumonia and influenza for 1979–87. The observed monthly death rates for 1988 and the first 7 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter.

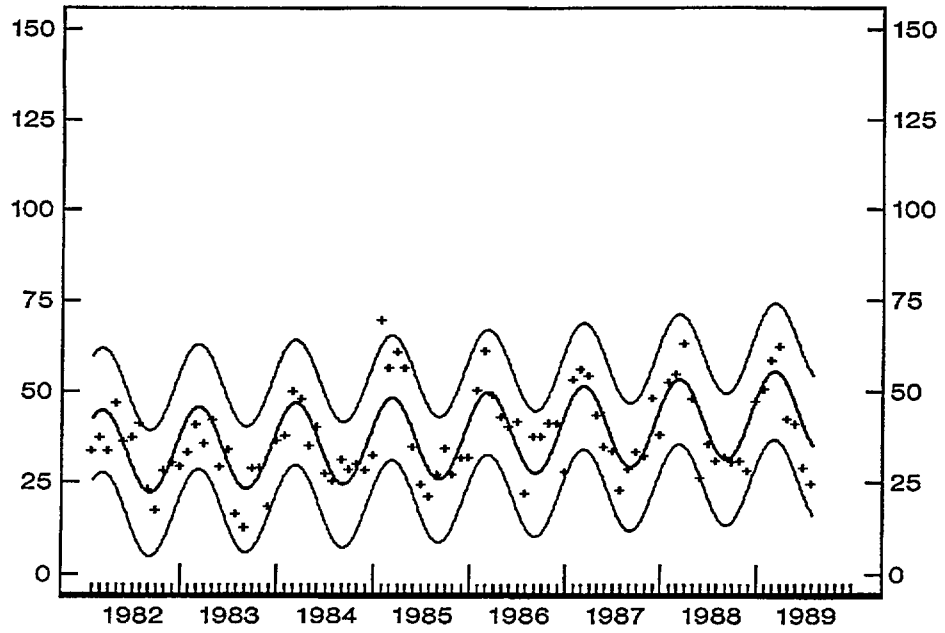

Figure 59. Death rates per 100,000 females 65–74 years of age for Pneumonia and influenza, by month: United States, 1982–89

According to final data for 1987, Pneumonia and influenza was the sixth most frequent cause of death for women aged 65–74 years and accounted for 3,820 deaths, or 2 percent of deaths from all causes for women in this age group. For the period shown in the chart through 1987, there has been a slight upward trend in provisional death rates for Pneumonia and influenza for these women. Monthly death rates from this cause for January 1988–July 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality with the tendency for rates to be higher during the winter. Based on 1988 provisional annual death rates, the death rate for women in this age group was almost 3 times the rate for women aged 55–64 years.

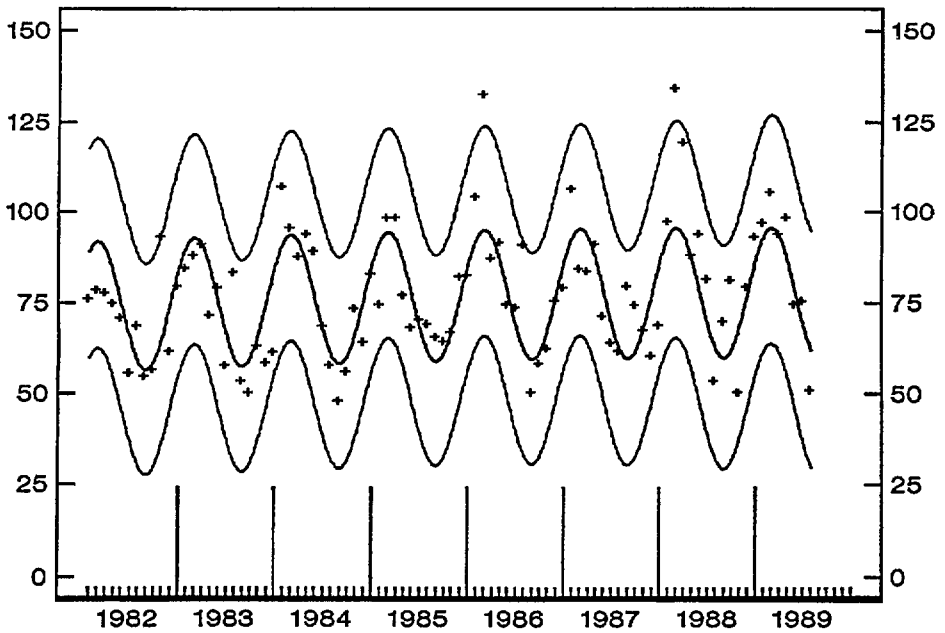

Figure 60. Death rates per 100,000 males 65–74 years of age for Pneumonia and influenza, by month: United States, 1982–89

In 1987 Pneumonia and influenza was the fifth most frequent cause of death for men aged 65–74 years. It accounted for 6,206 deaths, or 2 percent of all deaths for these men. For the period shown in the chart through 1987, provisional death rates for Pneumonia and influenza increased slightly for these men. The observed monthly rates for January 1988–July 1989 were, with the exception of 1 month, within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality, with a tendency for the peak to occur in winter. Based on 1988 provisional annual death rates for Pneumonia and influenza, the death rate for men in this age group was more than twice the rate for women in the same age group and more than 3 times the rate for men 55–64 years of age.

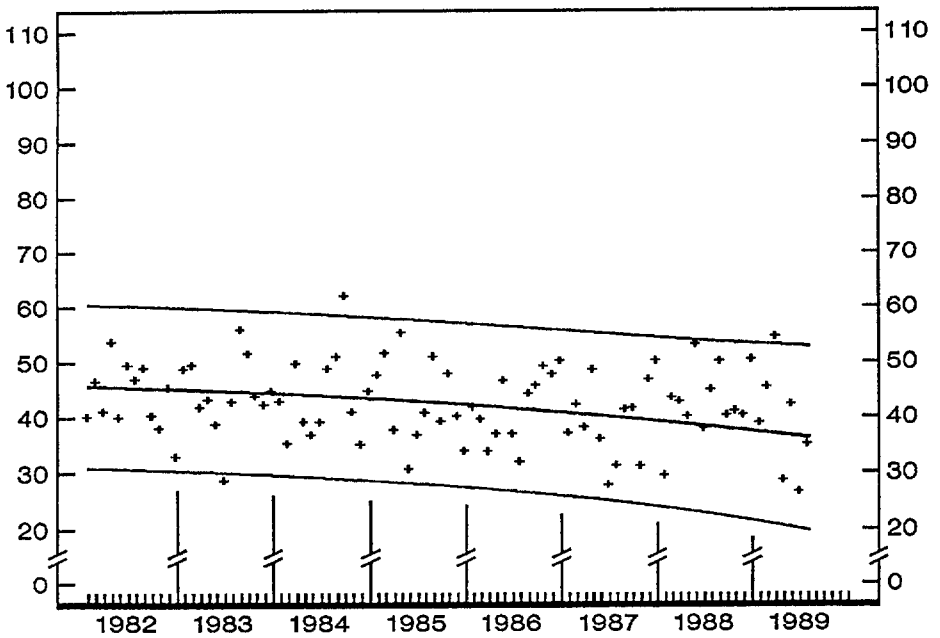

Figure 61. Death rates per 100,000 females 55–64 years of age for Malignant neoplasms of genital organs, by month: United States, 1982–89

In 1987, the latest year for which final mortality data are available, Malignant neoplasms of genital organs (genital cancer) accounted for 4,689 deaths, or 4 percent of deaths from all causes for women aged 55–64 years. For these women genital cancer was the fourth most frequent cause of malignant neoplasm (cancer) deaths in 1987. For the period shown in the chart through 1987 there has been a slight decrease in the provisional death rates for genital cancer. The observed rates for 1988 and the first 7 months of 1989, except for 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87.

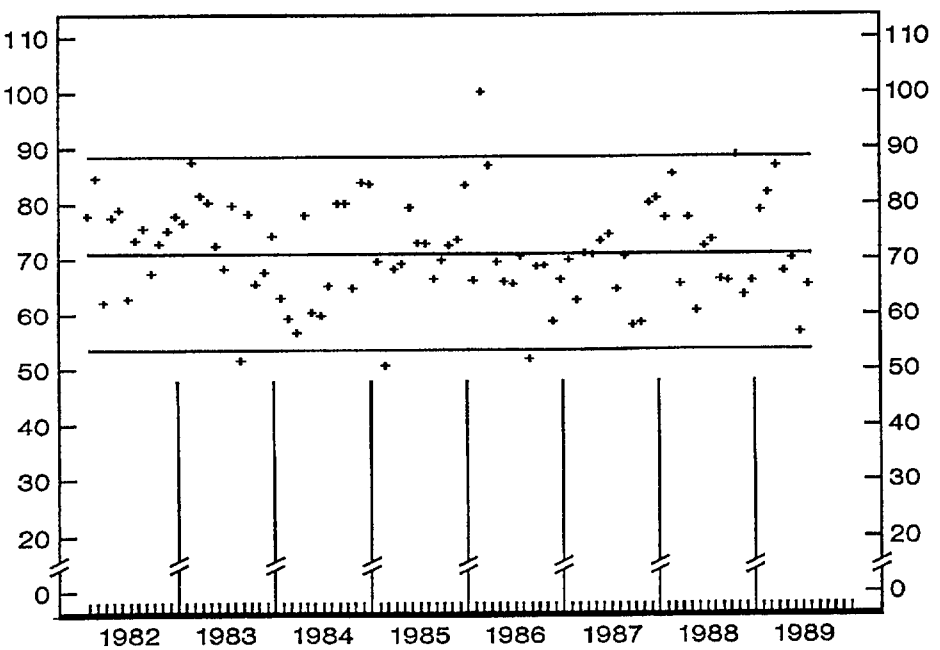

Figure 62. Death rates per 100,000 females 65–74 years of age for Malignant neoplasms of genital organs, by month: United States, 1982–89

According to final data for 1987, genital cancer accounted for 6,901 deaths, or 3 percent of deaths from all causes for women aged 65–74 years. For these women this was the fourth most frequent cause of cancer death. For the period shown in the chart through 1987 there has been no discernible upward or downward trend in provisional death rates for this age-sex group. The observed monthly death rates for this cause for 1988 and the first 7 months of 1989, except for 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Based on 1988 provisional annual death rates, the death rate for women in this age group was almost two times the rate for women aged 55–64 years.

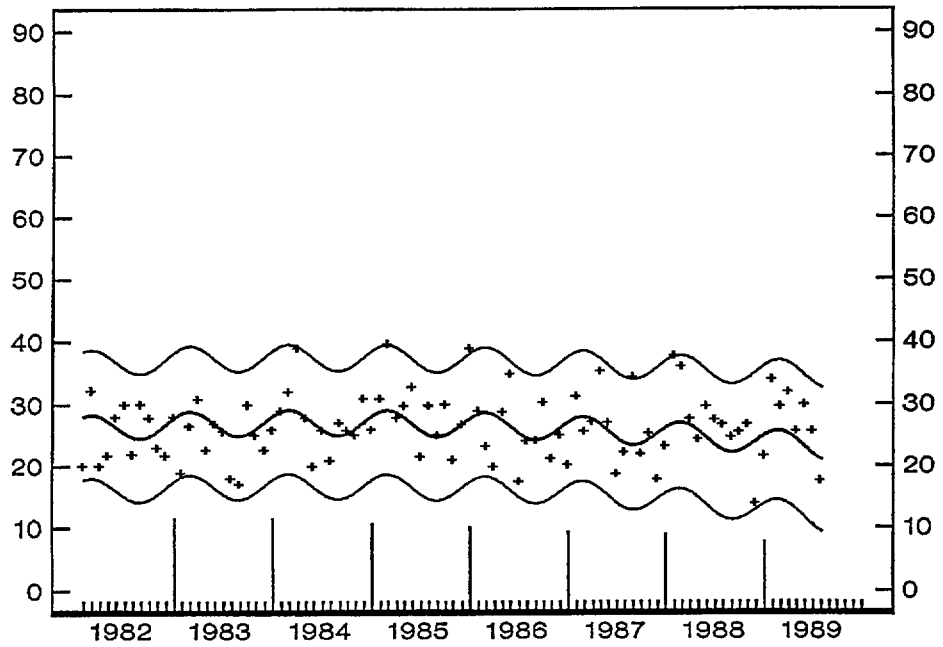

Figure 63. Death rates per 100,000 females 55–64 years of age for Diabetes mellitus, by month: United States, 1982–89

In 1987, the latest year for which final data are available, Diabetes mellitus was the fifth most frequent cause of death for women aged 55–64 years and accounted for 2,992 deaths, or 3 percent of all deaths for women in this age group. For these women provisional death rates from Diabetes mellitus increased slightly from 1979 to the mid-1980's and, as shown in the chart, have decreased slightly since then through 1987. The observed monthly death rates for 1988 and the first 7 months of 1989, except for 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87; however, all but four of the monthly rates for January 1988 through July 1989 were above the line predicted by this model. Based on 1988 provisional annual death rates, the death rate for women in this age group was about the same as the rate for men in the same age group.

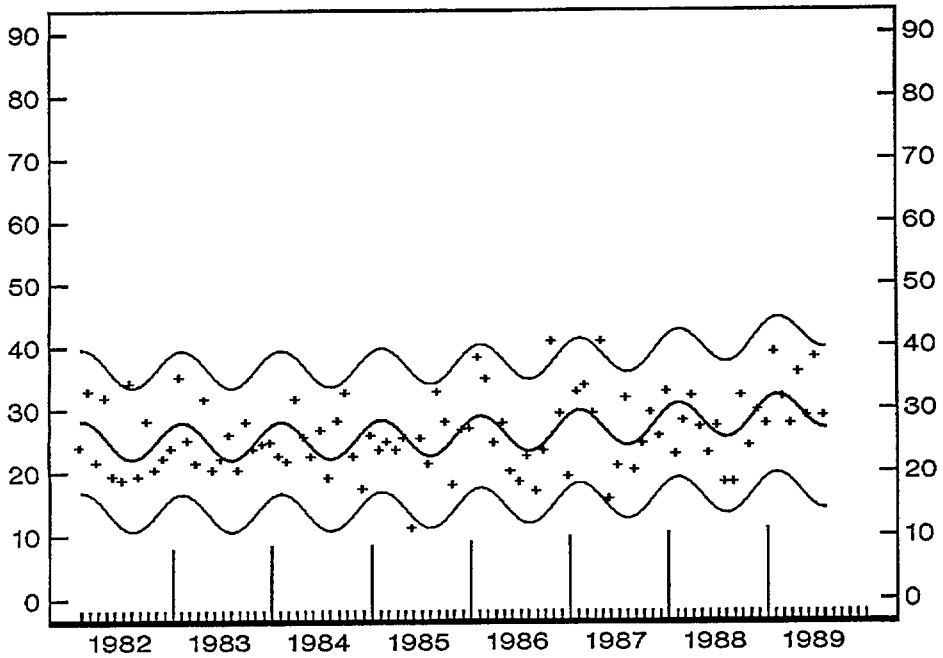

Figure 64. Death rates per 100,000 males 55–64 years of age for Diabetes mellitus, by month: United States, 1982–89

According to final data for 1987, Diabetes mellitus was the seventh most frequent cause of death for men aged 55–64 years. It accounted for 2,922 deaths, or 2 percent of deaths from all causes for men in this age group. For these men provisional death rates from Diabetes mellitus decreased slightly from 1979 to the mid-1980's and, as shown in the chart, have increased slightly since then through 1987. The observed monthly death rates for this cause for 1988 and the first 7 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these men showed a seasonal pattern of mortality, with a tendency toward higher rates during the winter.

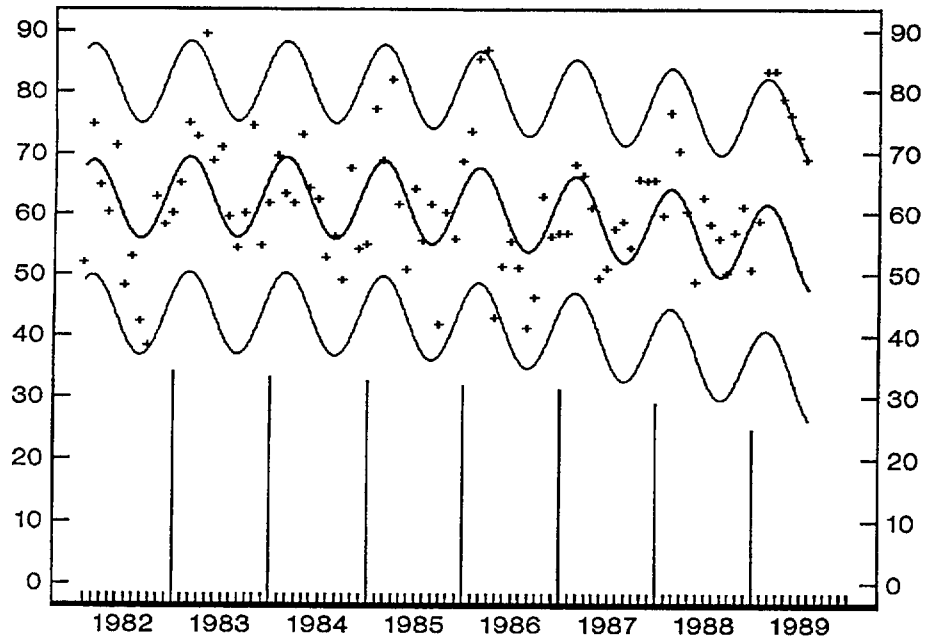

Figure 65. Death rates per 100,000 females 65–74 years of age for Diabetes mellitus, by month: United States, 1982–89

According to final data for 1987, Diabetes mellitus was the fifth most frequent cause of death for women aged 65–74 years and accounted for 5,877 deaths, or 3 percent of deaths from all causes for women in this age group. For the period shown in the chart through 1987 there has been no discernible upward or downward trend in the provisional death rates for Diabetes mellitus for these women. While the observed monthly death rates from this cause for 1988 fell within the prediction interval of a model estimated on the basis of provisional monthly death rates for 1979–87, six of the seven monthly death rates were close to the upper 95-percent prediction band for 1989. This may suggest a shift in trend. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality, with the tendency toward higher rates during the winter.

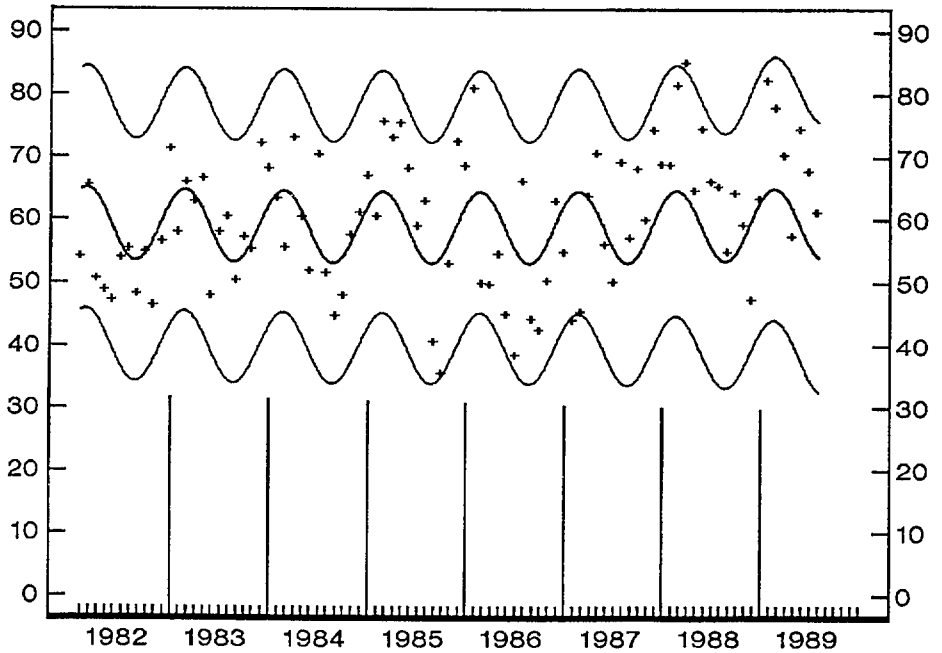

Figure 66. Death rates per 100,000 males 65–74 years of age for Diabetes mellitus, by month: United States, 1982–89

In 1987 Diabetes mellitus was the seventh most frequent cause of death for men aged 65–74 years. It accounted for 4,912 deaths, or 2 percent of all deaths for these men. For the period shown in the chart through 1987 there has been no discernible upward or downward trend in the provisional death rates for Diabetes mellitus for these men. The observed monthly rates for January 1988 through July 1989 were, except for 1 month, within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87; however, all but two of these rates within the prediction interval were above the line predicted by this model. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality, with a tendency for the peak to occur in winter. Based on 1988 provisional annual death rates for Diabetes mellitus, the death rate for men in this age group was about the same as the rate for women in the same age group and more than twice the rate for men 55–64 years of age.

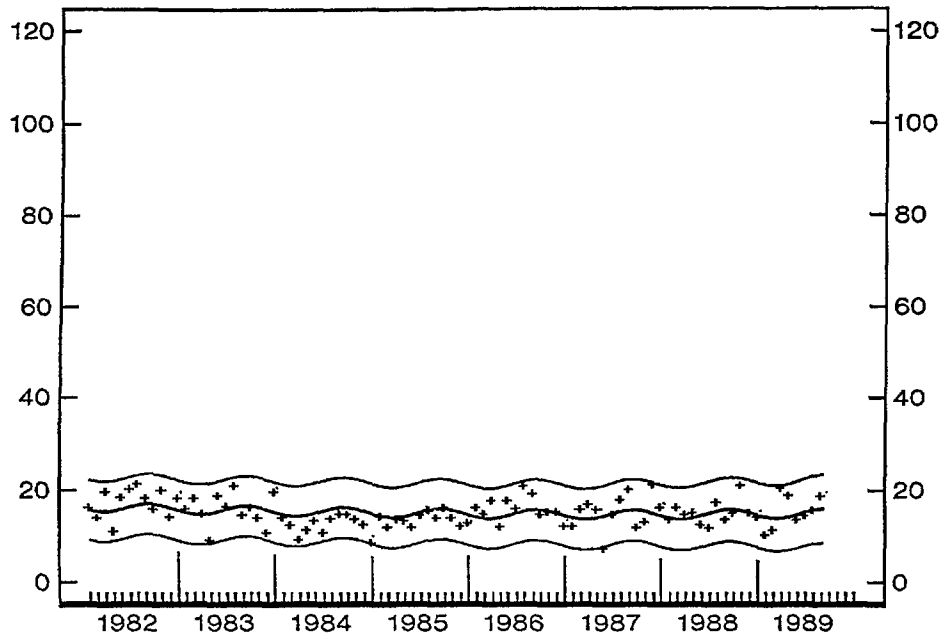

Figure 67. Death rates per 100,000 females 25–34 years of age for Accidents and adverse effects, by month: United States, 1982–89

In 1987, the latest year for which final mortality data are available, Accidents and adverse effects accounted for 3,531 deaths, or 22 percent of deaths from all causes for women aged 25–34 years. For these women, Accidents and adverse effects was the most frequent cause of death in 1987. Provisional death rates for Accidents and adverse effects decreased slightly from 1979 to the mid-1980's and have stabilized since then, through 1987. The observed rates for 1988 and the first 8 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be somewhat higher during the summer.

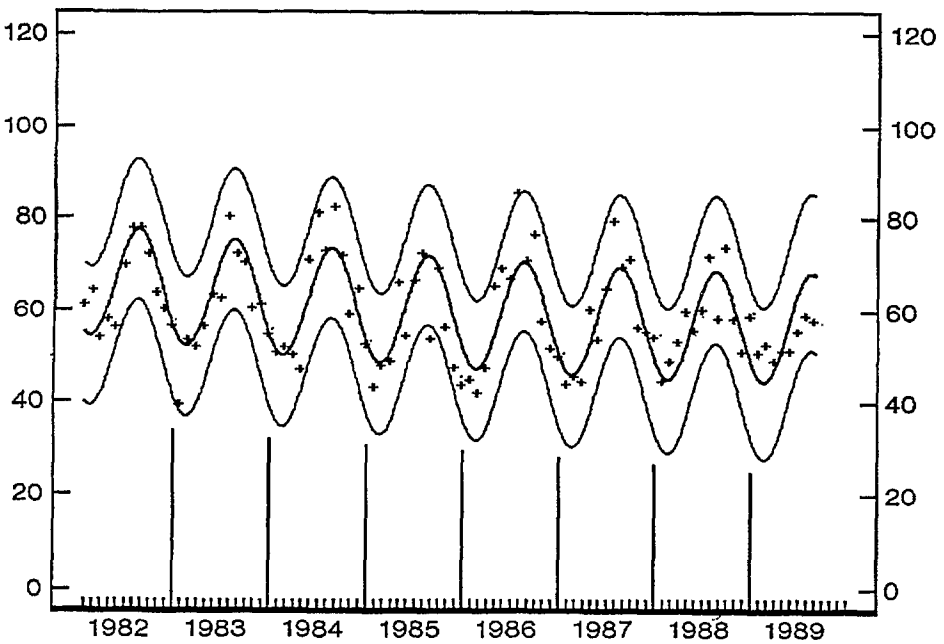

Figure 68. Death rates per 100,000 males 25–34 years of age for Accidents and adverse effects, by month: United States, 1982–89

According to final data for 1987, Accidents and adverse effects accounted for 13,091 deaths, or 31 percent of deaths from all causes for men aged 25–34 years. For these men, this was the most frequent cause of death. For the period shown in the chart through 1987, there has been a decrease in the provisional death rates for Accidents and adverse effects. The observed monthly death rates for this cause for 1988 and the first 8 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer. Based on 1988 provisional annual death rates, the death rate for men in this age group was almost 4 times the rate for women aged 25–34 years.

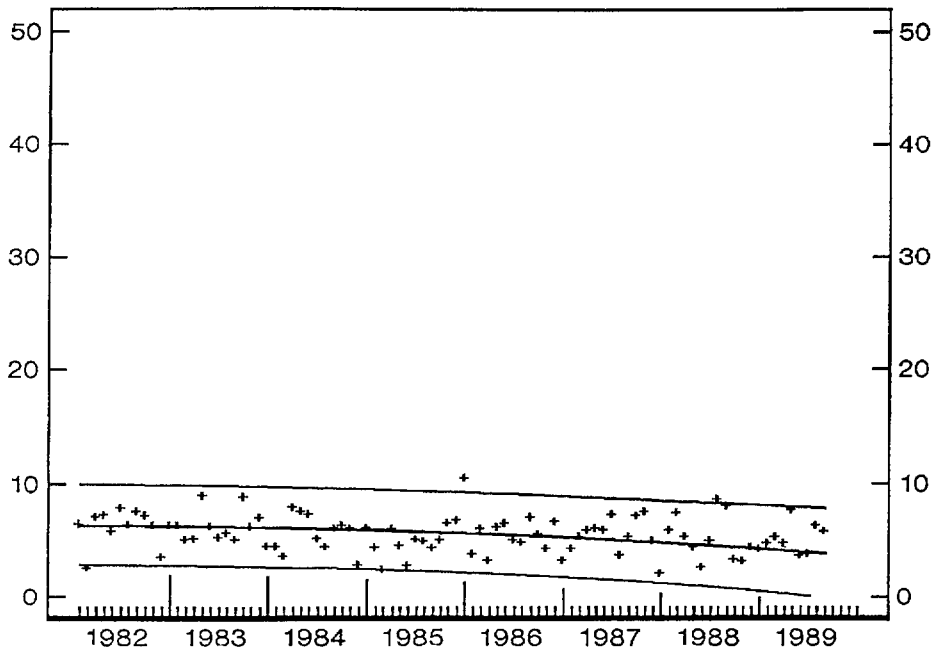

Figure 69. Death rates per 100,000 females 25–34 years of age for Suicide, by month: United States, 1982–89

In 1987, the latest year for which final data are available, Suicide was the fourth most frequent cause of death for women aged 25–34 years after Accidents and adverse effects; Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues; and Homicide and legal intervention. For this group Suicide accounted for 1,285 deaths, or 8 percent of all deaths to women 25–34 years. For these women, provisional death rates for Suicide were stable from 1979 through the early 1980's and, as shown in the chart, have decreased slightly since then, through 1987. The observed monthly death rates for 1988 and the first 8 months of 1989, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87.

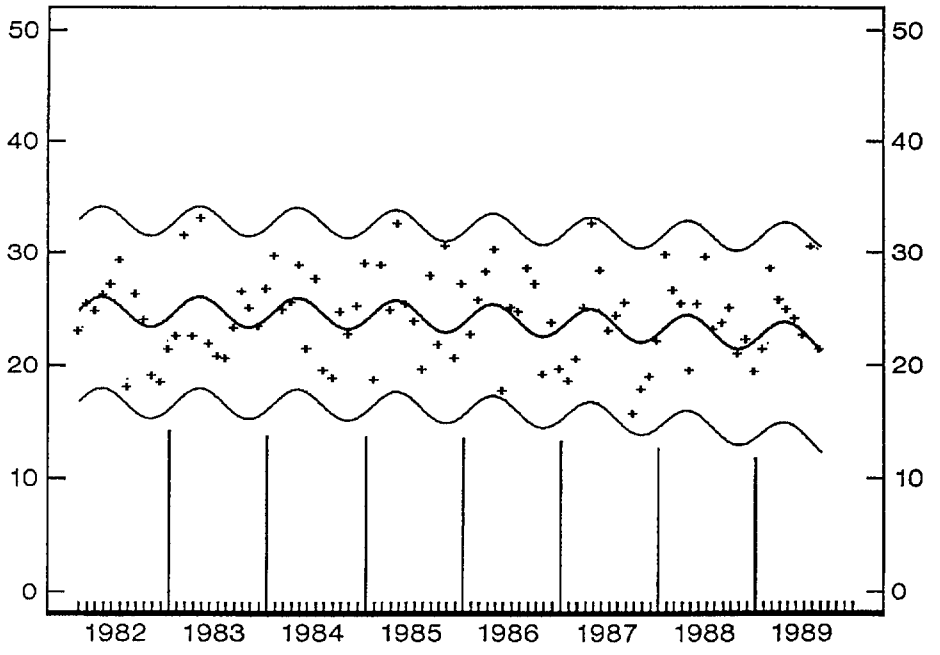

Figure 70. Death rates per 100,000 males 25–34 years of age for Suicide, by month: United States, 1982–89

According to final data for 1987, Suicide was the second most frequent cause of death for men aged 25–34 years after Accidents and adverse effects. It accounted for 5,370 deaths, or 13 percent of deaths from all causes for men in this age group. For the period shown in the chart through 1987, there has been no discernible upward or downward trend in provisional death rates for Suicide for this age-sex group. The observed monthly death rates for this cause for 1988 and the first 8 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Death rates for these men showed a seasonal pattern of mortality with a tendency for the major peak to occur during the spring. Based on 1988 provisional annual death rates, the death rate for men in this age group was almost 5 times the rate for women in this same age group.

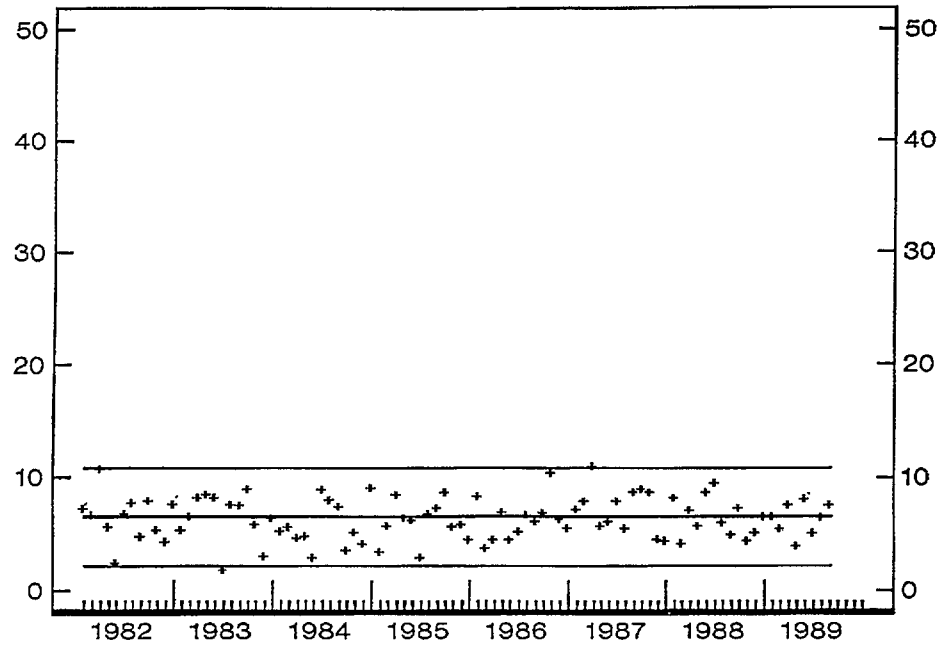

Figure 71. Death rates per 100,000 females 25–34 years of age for Homicide and legal intervention, by month: United States, 1982–89

According to final data for 1987, Homicide and legal intervention was the third most frequent cause of death for women aged 25–34 years and accounted for 1,501 deaths, or 9 percent of deaths from all causes for women in this age group. For the period shown in the chart through 1987, there has been no discernible upward or downward trend in the provisional death rates for Homicide and legal intervention for these women. The observed monthly death rates for this cause for 1988 and the first 8 months of 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87. Based on 1988 provisional annual death rates for Homicide and legal intervention, the death rate for women in this age group was less than half the rate for men in this same age group.

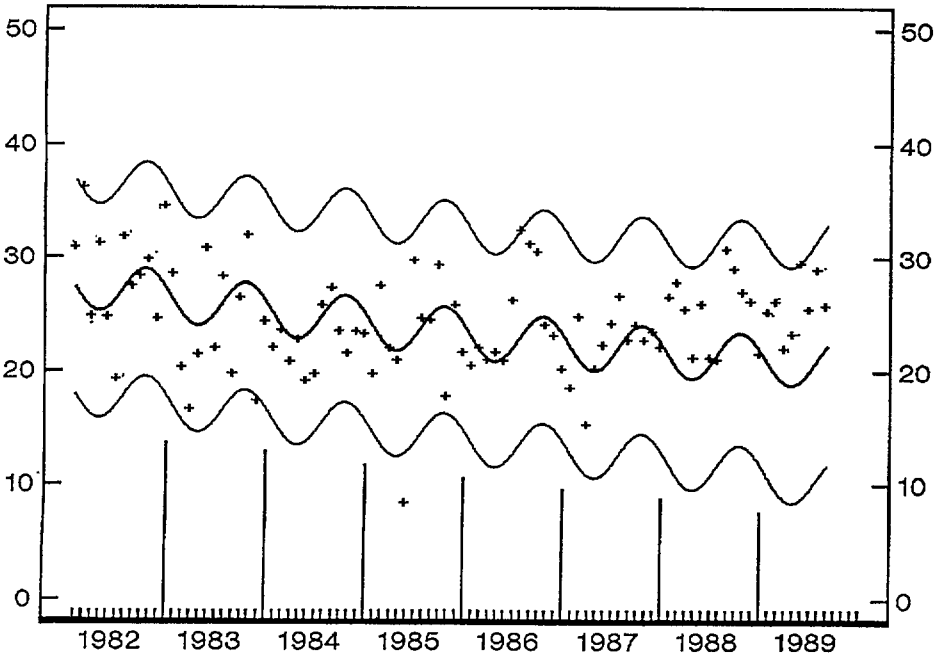

Figure 72. Death rates per 100,000 males 25–34 years of age for Homicide and legal intervention, by month: United States, 1982–89

In 1987 Homicide and legal intervention was the third most frequent cause of death for men aged 25–34 years, after Accidents and adverse effects and Suicide. It accounted for 5,045 deaths, or 12 percent of all deaths for these men. For the period shown in the chart through 1987, there has been a decrease in the provisional death rates for Homicide and legal intervention for these men. Although the observed monthly rates for January 1988–August 1989 were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for 1979–87, all but two of the monthly rates were above the fitted model. The monthly death rates for these men showed a seasonal pattern of mortality, with a tendency for rates to be higher in the fall.

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List of detailed tables

Table 1. Estimated number of deaths and death rates for All causes, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	45–54 years				55–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	4,380	432.1	7,830	829.0	8,970	933.5	16,990	2,006.5	15,330	2,099.6	24,300	4,352.8
February	4,430	483.5	7,350	860 8	8,550	984 3	15,450	2,018.3	15,090	2,286.2	22,460	4,450.9
March	4,420	435.4	7,110	751 5	8,780	912.3	14,840	1,749.6	14,660	2,004.8	21,380	3,823.4
April	4,050	411.8	6,980	761.6	8,350	895.7	15,280	1,859.8	14,460	2,041.4	20,760	3,832.8
May	3,710	364.8	6,420	677.4	8,280	858.7	14,210	1,672.3	14,090	1,923.2	20,660	3,688.5
June	3,650	370.5	6,210	676.4	7,760	830.9	14,240	1,730.1	12,740	1,795.3	20,130	3,709.7
July	3,890	385.9	6,540	695 8	8,280	854.7	13,730	1,610.0	13,450	1,822.4	21,110	3,738.8
August	3,780	378.6	6,910	741.4	7,500	772.0	14,340	1,678.2	13,640	1,839.2	19,920	3,507.4
September	3,580	370.1	6,180	684.4	7,730	821.3	13,060	1,577.6	13,990	1,947.1	20,360	3,700.0
October	4,030	402.7	6,760	723.6	8,860	910.0	15,220	1,777.3	15,040	2,023.3	22,490	3,951.1
November	3,940	406.5	7,170	792.3	8,290	879.0	14,830	1,787.5	14,620	2,030.5	22,380	4,058.6
December	4,230	421.9	7,090	757.5	8,560	877.5	15,760	1,836.7	16,430	2,206.3	22,100	3,875.0
1980:												
January	4,110	410.7	7,270	778.2	9,390	964.4	15,480	1,807.4	16,620	2,235.6	25,040	4,398.6
February	4,580	488.8	7,170	819.7	8,950	981.7	16,230	2,023.8	16,820	2,416.7	23,490	4,407.0
March	4,000	399.0	7,600	812 1	9,900	1,014.9	16,630	1,938.4	17,000	2,283.1	24,670	4,325.9
April	3,650	375.9	7,000	772.2	8,990	951.5	15,610	1,878.3	15,580	2,159.9	22,580	4,088.4
May	3,980	396.3	6,810	726.4	8,720	892.4	15,700	1,826.6	15,080	2,021.3	22,850	3,999.7
June	4,080	419.3	6,790	747.4	8,460	893.5	14,460	1,736.2	14,190	1,963.2	20,860	3,768.0
July	4,320	433.8	7,530	809.0	8,950	912.3	15,430	1,789.5	15,470	2,061.0	22,140	3,848.6
August	3,690	373.7	7,250	785.2	8,820	898.2	14,910	1,729.6	15,050	1,996.5	22,600	3,911.8
September	3,640	380.5	6,320	706.5	8,370	879.9	14,460	1,731.6	13,630	1,866.3	21,160	3,780.8
October	4,090	413.4	7,380	797.5	8,870	901.4	15,510	1,795.4	15,810	2,092.8	23,050	3,981.5
November	3,710	387.0	7,060	787.7	8,740	917.0	14,440	1,725.6	14,820	2,025.1	22,760	4,058.3
December	4,480	452.0	7,790	840.4	9,840	998.2	16,340	1,888.2	16,590	2,192.4	24,460	4,217.7
1981:												
January	4,130	415.2	8,040	864.4	10,270	1,038.2	17,810	2,050.8	18,410	2,424.4	26,210	4,503.8
February	4,510	501.7	7,260	863.5	9,720	1,087.2	15,640	1,992.7	17,080	2,488.8	25,260	4,802.1
March	4,120	413.7	7,590	814.9	9,800	989.4	16,290	1,873.4	16,580	2,180.5	25,010	4,291.3
April	3,960	410.5	6,390	708 3	8,810	918.3	14,760	1,752.5	15,570	2,114.0	22,990	4,073.3
May	3,910	391.9	6,750	723.5	9,080	915.2	15,390	1,767.0	15,560	2,042.9	23,310	3,993.3
June	3,930	406.7	6,920	765.8	8,840	919.9	14,380	1,704.6	14,870	2,015.8	21,890	3,872.2
July	4,110	415 7	6,980	754.5	8,860	892.6	14,520	1,668.1	15,240	1,993.3	22,310	3,808.1
August	3,840	391.4	6,660	725.1	9,020	908.9	14,620	1,680.2	14,800	1,929.8	20,930	3,559.1
September	3,680	387 2	6,670	749.7	9,120	948.6	14,340	1,701.1	15,070	2,028.2	21,970	3,856.6
October	3,980	404.8	6,690	726.8	8,930	898.0	15,190	1,742.2	15,440	2,009.0	22,630	3,840.4
November	3,720	390 6	6,580	738.2	8,620	894.9	14,840	1,757.2	14,980	2,012.5	21,150	3,705.7
December	3,750	380.8	6,250	678.0	9,030	906.6	15,360	1,758.9	16,790	2,181.3	23,290	3,946.2
1982:												
January	3,850	390.7	7,000	758 8	8,900	892.9	15,970	1,827.3	15,990	2,075.5	25,020	4,236.3
February	4,000	449.1	6,260	750.7	8,330	924.5	14,900	1,886.1	16,320	2,343.8	22,270	4,171.1
March	3,890	394.2	6,440	697.1	9,500	951.7	15,300	1,748.1	16,850	2,184.0	23,780	4,020.0
April	4,150	434 2	6,560	733.2	9,110	942.3	15,350	1,810.7	16,840	2,253.7	23,600	4,119.5
May	3,580	362.2	6,680	722.0	8,590	859.2	13,960	1,592.4	16,750	2,167.7	22,980	3,879.1
June	3,810	398.0	6,530	728.6	8,880	917.0	14,900	1,754.9	13,780	1,841.2	22,150	3,860.3
July	3,730	379.8	6,930	753.5	9,300	929.2	14,540	1,657.4	15,850	2,042.7	23,500	3,948.3
August	3,930	402.4	6,720	732.5	8,730	874.6	15,120	1,722.5	14,690	1,882.9	21,640	3,600.8
September	3,530	373.1	6,260	704.4	8,640	893.5	14,000	1,646.5	14,940	1,976.8	21,830	3,749.8
October	3,850	393.5	6,770	736.6	9,080	907.8	15,040	1,710.3	16,010	2,048.3	23,620	3,922.5
November	3,430	361.9	6,250	702.0	8,570	884.7	13,660	1,603.6	15,270	2,017.2	22,670	3,886.9
December	3,830	390.8	6,780	736.4	9,620	960.3	15,870	1,801.7	17,290	2,208.5	25,040	4,151.9
1983:												
January	4,050	412.9	6,890	747.8	9,710	968.5	16,540	1,876.3	16,700	2,131.5	25,160	4,168.8
February	3,820	430.9	6,350	762.5	9,590	1,058.3	15,720	1,972.9	16,450	2,322.8	24,490	4,489.4
March	3,850	392.0	6,680	724.1	9,780	974.2	15,300	1,733.2	17,090	2,178.2	24,340	4,027.3
April	3,770	396.3	6,480	725.2	9,040	929.7	15,690	1,835.2	16,660	2,192.5	24,010	4,101.7
May	3,790	385.3	6,300	681.8	8,730	868.3	14,380	1,626.6	15,890	2,022.2	22,650	3,741.9
June	3,730	391.5	6,390	714.0	8,680	891.3	14,440	1,686.4	15,120	1,986.8	21,780	3,715.0
July	3,820	390 2	6,030	654.0	9,450	941.8	15,490	1,750.3	16,530	2,091.4	24,270	3,970.0
August	3,380	346.0	5,900	641.0	8,720	871.9	14,330	1,622.0	14,920	1,885.9	20,970	3,415.0
September	3,540	374.1	6,050	678.6	8,790	907.4	13,790	1,611.4	15,800	2,061.7	21,570	3,626.3
October	3,740	382.1	6,350	688.6	9,250	923.2	14,870	1,680.1	15,650	1,974.3	23,130	3,759.5
November	3,740	394.5	6,380	714.4	8,420	867.7	14,050	1,639.1	15,090	1,965.7	21,940	3,681.9
December	3,830	390.7	6,600	714.7	9,590	955.7	15,160	1,710.2	17,380	2,189.5	25,010	4,058.9
1984:												
January	3,800	388.5	6,390	693.3	10,060	1,004.6	16,110	1,821.2	18,120	2,287.3	26,310	4,278.6
February	3,670	400.8	6,500	753.4	8,940	953.7	15,020	1,813.8	15,420	2,079.4	23,710	4,118.9
March	3,880	396.1	6,180	669.6	9,990	996.3	15,320	1,729.5	17,890	2,255.2	25,080	4,073.0
April	3,790	399.5	6,070	679.1	9,240	951.4	15,000	1,748.5	16,600	2,160.9	25,040	4,199.1
May	3,380	344.6	6,160	666.5	8,770	873.3	14,380	1,621.1	16,320	2,054.4	23,750	3,851.2
June	3,850	405.2	5,950	664.7	8,760	900.7	14,780	1,720.4	16,020	2,082.3	22,790	3,816.1
July	3,720	379.3	6,560	709.8	8,930	890.5	14,730	1,660.2	16,320	2,048.5	22,520	3,628.8
August	3,320	339.0	6,090	659.9	9,310	932.1	14,320	1,618.3	15,650	1,959.0	21,880	3,504.6
September	3,460	364.8	5,900	660.1	8,610	890.0	13,860	1,617.2	15,740	2,034.0	21,840	3,611.4
October	3,130	319 1	6,310	682 5	8,800	879.4	14,300	1,613.1	16,270	2,032.7	23,160	3,702.6
November	4,010	422.0	6,530	729.2	8,560	883.1	14,950	1,741.2	15,630	2,016.1	22,020	3,634.2
December	3,970	404.1	6,740	727.8	9,470	944.9	15,770	1,776.3	17,190	2,144.2	24,410	3,896.1

Table 1. Estimated number of deaths and death rates for All causes, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occcurrence	45–54 years				55–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	3,780	383.4	6,510	700.6	10,220	1,016.2	17,030	1,911.5	18,940	2,354.3	25,750	4,096.0
February	3,580	401.7	5,620	669.2	9,410	1,035.2	14,820	1,840.4	17,250	2,372.5	24,680	4,343.5
March	3,560	360.6	6,340	681.5	9,430	936.4	15,180	1,701.7	17,590	2,183.8	24,830	3,944.8
April	3,610	377.6	6,430	713.7	9,580	982.3	15,400	1,782.6	17,230	2,208.7	25,010	4,103.1
May	3,670	371.2	6,090	653.6	9,080	900.4	14,470	1,619.7	16,250	2,014.4	23,170	3,675.2
June	3,780	394.7	6,220	689.3	8,630	883.5	14,380	1,662.0	15,640	2,002.0	22,570	3,696.8
July	4,130	418.1	6,480	696.1	9,240	919.2	14,860	1,666.5	15,970	1,973.1	22,930	3,613.3
August	3,340	337.9	5,720	613.6	8,720	873.0	14,060	1,586.4	15,210	1,871.3	20,850	3,260.2
September	3,240	338.4	5,870	650.1	8,920	921.9	13,640	1,588.8	15,580	1,978.9	22,580	3,645.0
October	3,390	342.3	5,820	623.2	8,690	868.4	14,110	1,589.0	16,500	2,026.2	23,380	3,649.0
November	3,580	373.3	5,990	662.2	8,930	921.4	14,160	1,646.4	16,270	2,062.8	22,890	3,688.2
December	3,650	368.0	6,520	696.9	9,030	900.9	15,180	1,706.8	17,120	2,099.1	24,100	3,755.4
1986:												
January	3,210	323.4	6,560	700.7	9,790	976.0	15,930	1,789.7	17,840	2,185.7	25,090	3,906.6
February	3,690	411.3	5,940	701.9	8,980	990.3	14,300	1,777.4	17,660	2,393.5	24,220	4,171.8
March	3,700	372.2	6,690	713.6	9,790	974.5	15,200	1,705.3	18,890	2,311.0	25,230	3,923.2
April	3,410	354.2	6,210	684.0	8,480	871.7	14,520	1,682.0	17,280	2,182.9	24,150	3,876.8
May	3,460	347.6	6,350	676.3	9,190	913.5	14,350	1,607.4	17,290	2,112.2	23,500	3,648.4
June	3,300	342.2	6,100	670.8	8,610	883.7	14,180	1,640.1	16,000	2,018.1	22,400	3,590.7
July	3,570	358.1	5,640	599.5	9,200	919.9	14,350	1,615.9	16,460	2,001.1	22,610	3,481.3
August	3,060	305.2	5,530	584.1	7,930	800.3	13,730	1,559.2	15,500	1,876.8	21,700	3,316.4
September	3,610	371.7	6,030	657.5	8,700	906.3	13,650	1,600.1	16,530	2,066.3	22,130	3,491.7
October	3,420	340.5	6,440	678.8	9,450	951.8	13,930	1,578.7	16,590	2,005.1	22,500	3,432.5
November	3,400	349.5	6,240	679.2	8,810	916.2	13,920	1,629.2	16,280	2,031.5	22,520	3,546.8
December	3,530	350.9	6,220	654.7	8,720	877.0	14,230	1,610.6	16,690	2,014.0	23,590	3,593.2
1987:												
January	3,820	379.5	5,950	625.9	9,440	948.8	15,010	1,697.7	18,460	2,226.3	26,590	4,047.5
February	3,780	415.5	5,710	664.5	9,120	1,014.2	14,500	1,814.7	16,700	2,228.2	23,390	3,939.3
March	3,570	354.2	6,170	648.2	10,020	1,005.8	14,260	1,610.9	18,190	2,191.0	24,300	3,694.6
April	4,000	409.8	6,400	694.2	8,830	915.2	15,040	1,754.4	17,980	2,236.1	25,290	3,969.7
May	3,610	357.7	6,460	677.7	8,970	899.1	13,930	1,571.3	17,120	2,059.4	23,780	3,610.4
June	3,580	366.2	6,000	649.9	8,740	904.6	13,410	1,561.9	16,330	2,028.0	22,630	3,547.2
July	3,600	354.2	6,390	665.2	8,900	899.2	14,390	1,634.5	17,060	2,040.5	23,280	3,503.4
August	3,680	361.8	6,230	648.0	8,640	872.2	13,550	1,538.0	15,900	1,900.2	23,170	3,483.7
September	3,390	344.0	5,650	606.7	7,830	816.1	12,830	1,503.4	15,240	1,880.3	21,920	3,402.6
October	3,790	371.9	5,740	595.9	8,680	874.6	14,260	1,615.5	16,940	2,020.8	23,260	3,491.0
November	3,740	378.9	5,670	607.7	7,910	823.0	13,320	1,558.0	16,560	2,039.7	23,120	3,582.4
December	3,530	345.8	5,850	606.3	9,050	910.5	14,160	1,601.6	17,400	2,072.5	23,960	3,590.5
1988:												
January	3,460	335.2	6,640	679.9	9,130	929.8	15,060	1,722.2	18,260	2,177.6	25,040	3,748.4
February	3,710	383.0	6,260	683.1	9,030	984.0	15,410	1,885.3	18,170	2,314.2	25,070	4,007.6
March	3,440	331.2	6,810	693.1	9,500	969.3	14,380	1,646.7	18,780	2,235.4	26,600	3,972.8
April	3,690	366.0	6,150	644.8	9,230	974.2	14,480	1,715.1	17,190	2,113.2	24,260	3,741.3
May	3,690	353.2	6,160	623.1	9,140	934.4	13,780	1,580.9	16,450	1,955.3	24,010	3,580.6
June	3,060	301.8	6,080	633.5	8,200	867.1	13,500	1,601.2	15,770	1,935.2	22,470	3,457.4
July	3,760	357.8	6,040	607.2	8,460	866.4	13,040	1,497.8	16,920	2,007.3	22,610	3,361.6
August	3,600	341.7	6,380	639.6	7,910	811.1	13,720	1,577.2	15,680	1,858.3	22,690	3,369.7
September	3,470	339.5	5,910	610.7	8,550	906.8	12,890	1,532.4	16,160	1,976.7	21,940	3,361.4
October	3,610	340.9	6,060	604.5	8,650	888.9	13,640	1,570.5	17,190	2,032.4	23,850	3,530.4
November	3,400	331.0	5,860	602.5	8,120	863.2	13,050	1,554.3	15,560	1,898.9	22,360	3,415.0
December	3,920	368.4	6,490	644.1	9,030	930.0	14,010	1,616.1	17,890	2,110.5	23,550	3,475.1
1989:												
January	3,330	311.2	6,200	611.8	8,760	899.5	14,050	1,615.2	18,230	2,142.1	24,200	3,555.0
February	3,830	395.3	6,210	676.8	8,870	1,009.6	13,320	1,697.0	18,060	2,347.2	23,590	3,831.4
March	3,930	365.5	6,930	680.5	9,060	932.5	14,300	1,647.1	18,080	2,120.5	24,950	3,656.5
April	3,380	324.0	6,330	640.7	8,830	940.1	13,230	1,576.1	17,200	2,082.5	23,690	3,582.7
May	3,760	348.0	6,460	631.2	8,420	868.5	14,000	1,615.1	16,900	1,977.8	23,650	3,455.7
June	3,830	365.3	5,760	580.1	7,660	817.2	13,140	1,567.7	15,600	1,884.2	21,970	3,311.9
July	3,510	323.2	6,500	631.9	8,060	833.1	13,610	1,572.4	16,520	1,928.5	23,040	3,356.1
August	3,320	305.1	6,360	617.0	8,560	885.5	12,270	1,418.3	16,210	1,890.6	21,200	3,083.5
September	3,260	308.9	6,030	603.2	8,030	859.0	12,250	1,463.9	15,040	1,810.7	20,550	3,084.4
October	3,470	317.5	6,630	640.5	8,130	842.3	13,570	1,570.1	16,320	1,898.9	22,410	3,249.5
November	3,580	337.8	6,280	625.6	7,690	823.9	12,360	1,478.5	14,840	1,782.5	21,550	3,225.0
December	4,030	367.2	6,470	622.4	9,020	936.0	13,870	1,606.4	18,310	2,125.9	25,350	3,664.5

NOTE: Data in this table are for figures 1–6. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for February 1989, volume 38, number 2.

Table 2. Estimated number of deaths and death rates for Malignant neoplasms of respiratory and intrathoracic organs, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	35–44 years				45–54 years				55–64 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	110	10.3	180	17.5	360	35.5	870	92.1	660	68.7	1,990	235.0
February	40	*4 1	120	12.9	410	44.7	610	71.4	850	97.8	1,750	228.6
March	130	12 1	140	13.6	280	27.6	660	69.8	710	73.8	1,850	218.1
April	40	*3.8	120	12.0	310	31.5	710	77.5	620	66.5	1,900	231.3
May	80	*7.4	70	*6.8	350	34.4	620	65.4	810	84.0	1,770	208.3
June	40	*3.8	170	17.0	330	33.5	650	70.8	560	60.0	1,670	202.9
July	110	10 1	150	14.3	380	37.7	640	68.1	610	63.0	1,630	191.1
August	70	*6.4	110	10.4	410	41.1	700	75.1	680	70.0	1,810	211.8
September	100	*9.4	120	11.7	340	35.1	620	68.7	550	58.4	1,450	175.2
October	60	*5.5	120	11 3	320	32.0	730	78.1	740	76.0	1,750	204.3
November	70	*6.6	200	19.5	250	25.8	860	95.0	730	77.4	1,670	201.3
December	110	10 0	110	10.4	360	35.9	660	70.5	800	82.0	2,020	235.4
1980:												
January	30	*2.7	90	*8.5	240	24.0	670	71.7	720	73.9	1,840	214.8
February	40	*3 9	180	18.2	400	42.7	760	86.9	680	74.6	1,830	228.2
March	30	*2.7	140	13.2	300	29.9	770	82.3	800	82.0	1,920	223.8
April	130	12.2	130	12.7	320	33.0	610	67.3	830	87.8	2,020	243.1
May	60	*5.4	160	15 1	410	40.8	740	78.9	750	76.7	1,880	218.7
June	50	*4.7	130	12.6	260	26.7	690	75.9	690	72.9	1,770	212.5
July	80	*7.2	150	14.0	380	38.2	670	72.0	660	67.3	1,980	229.6
August	50	*4.5	110	10.2	250	25.3	820	88.8	740	75.4	1,870	216.9
September	110	10.1	140	13.3	240	25.1	830	92.8	650	68.3	1,820	217.9
October	80	*7.1	180	16.6	340	34.4	710	76.7	690	70.1	2,040	236.1
November	60	*5.5	100	*9.5	330	34.4	660	73.6	750	78.7	1,820	217.5
December	80	*7.1	130	12.0	320	32.3	840	90.6	620	62.9	1,640	189.5
1981:												
January	80	*7.1	230	21.1	250	25.1	840	90.3	790	79.9	2,250	259.1
February	60	*5 9	100	*10.1	380	42.3	720	85.6	730	81.6	1,910	243.4
March	90	*7.9	110	10.1	480	48.2	690	74.1	900	90.9	2,010	231.2
April	80	*7.3	160	15.1	410	42.5	660	73.2	860	89.6	2,130	252.9
May	70	*6.2	180	16.4	370	37.1	690	74.0	690	69.6	1,810	207.8
June	50	*4.5	130	12.3	330	34.2	810	89.6	700	72.8	1,950	231.1
July	40	*3.5	180	16.3	450	45.5	710	76.7	630	63.5	1,860	213.7
August	90	*7.7	100	*8.8	330	33.6	730	79.5	780	78.6	2,010	231.0
September	70	*6.1	40	*3.6	330	34.7	760	85.4	770	80.1	1,990	236.1
October	60	*5.1	100	*8.8	420	42.7	740	80.4	780	78.4	1,970	225.9
November	100	*8 8	190	17.3	360	37.8	720	80.8	770	79.9	2,030	240.4
December	80	*6.8	130	11.4	230	23.3	630	68.3	620	62.2	1,860	213.0
1982:												
January	110	9.3	80	*7.0	410	41.6	810	87.8	720	72.2	1,960	224.3
February	20	*1.9	120	11 7	360	40.4	550	65.9	700	77.7	1,810	229.1
March	80	*6.8	140	12 3	390	39.5	680	73.6	820	82.1	1,870	213.7
April	20	*1.7	100	*9.1	380	39.7	610	68.2	880	91.0	1,990	234.7
May	40	*3.4	100	*8.7	290	29.3	810	87.5	730	73.0	1,790	204.2
June	70	*6.1	80	*7.2	400	41.8	700	78.1	850	87.8	2,060	242.6
July	100	*8.2	170	14.5	280	28.5	770	83.7	830	82.9	1,890	215.4
August	100	*8.1	130	10.9	500	51.2	730	79.6	720	72.1	2,120	241.5
September	80	*6.7	130	11.2	290	30.6	770	86.6	860	88.9	1,800	211.7
October	60	*4.8	110	9 2	320	32.7	910	99.0	910	91.0	2,170	246.8
November	60	*5.0	100	*8.6	360	38.0	640	71.9	950	98.1	1,860	218.3
December	120	9.7	160	13.3	320	32.6	820	89.1	950	94.8	2,020	229.3
1983:												
January	40	*3.2	140	11.7	300	30.6	630	68.4	910	90.8	2,040	231.4
February	50	*4 4	160	14.7	310	35.0	680	81.6	960	105.9	1,730	217.1
March	110	8.8	170	14.1	240	24.4	670	72.6	1,170	116.5	1,920	217.5
April	130	10.8	140	12.0	310	32.6	630	70.5	760	78.2	1,840	215.2
May	100	*8.0	140	11.6	340	34.6	590	63.8	860	85.5	1,860	210.4
June	110	9.1	130	11.1	400	42.0	760	84.9	770	79.1	1,970	230.1
July	30	*2.4	140	11.4	340	34.7	620	67.2	650	64.8	2,100	237.3
August	90	*7.0	80	*6.4	270	27.6	630	68.4	920	92.0	1,940	219.6
September	80	*6.4	120	9.9	250	26.4	820	92.0	960	99.1	1,820	212.7
October	50	*3.9	140	11.2	360	36.8	710	77.0	920	91.8	2,030	229.3
November	90	*7.2	120	9.9	370	39.0	870	97.4	720	74.2	1,840	214.7
December	150	11.6	160	12.8	360	36.7	650	70.4	1,020	101.6	1,930	217.7
1984:												
January	80	*6.2	130	10.4	260	26.6	700	76.0	970	96.9	2,190	247.6
February	60	*5.0	100	*8.6	430	46.9	700	81.1	900	96.0	2,090	252.4
March	100	*7.7	180	14.4	450	45.9	550	59.6	950	94.7	1,940	219.0
April	70	*5.6	130	10.7	330	34.8	610	68.2	930	95.8	1,920	223.8
May	60	*4.6	130	10.4	290	29.6	610	66.0	970	96.6	1,810	204.0
June	90	*7.2	80	*6.6	360	37.9	660	73.7	980	100.7	1,900	221.2
July	50	*3.8	70	*5.5	440	44.9	670	72.5	870	86.7	1,960	220.9
August	120	9.0	130	10.0	330	33.7	670	72.6	1,030	103.1	1,810	204.5
September	100	*7.7	170	13.6	290	30.6	690	77.2	690	71.3	1,820	212.4
October	10	*0 7	90	*6.9	290	29.6	660	71.4	890	88.9	2,000	225.6
November	80	*6 2	100	*8.0	440	46.3	610	68.1	690	71.2	2,090	243.4
December	60	*4.5	90	*6.9	360	36.6	860	92.9	930	92.8	2,430	273.7

Table 2. Estimated number of deaths and death rates for Malignant neoplasms of respiratory and intrathoracic organs, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	35–44 years				45–54 years				55–64 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	120	8.9	120	9.2	370	37.5	550	59.2	1,000	99.4	2,140	240.2
February	80	*6.6	110	9.3	280	31.4	610	72.6	920	101.2	1,830	227.3
March	110	8.2	170	13.0	380	38.5	600	64.5	940	93.3	1,700	190.6
April	80	*6.1	130	10.3	340	35.6	580	64.4	980	100.5	2,130	246.5
May	50	*3.7	120	9.2	460	46.5	680	73.0	790	78.3	2,030	227.2
June	50	*3.8	170	13.4	450	47.0	690	76.5	850	87.0	2,070	239.2
July	120	8.7	130	9.8	340	34.4	720	77.3	1,010	100.5	1,940	217.6
August	90	*6.5	150	11.1	280	28.3	630	67.6	880	88.1	2,010	226.8
September	60	*4.4	100	*7.6	370	38.6	570	63.1	810	83.7	1,980	230.6
October	120	8.6	180	13.3	400	40.4	600	64.2	950	94.9	2,020	227.5
November	80	*5.9	90	*6.9	350	36.5	510	56.4	1,000	103.2	1,920	223.2
December	30	*2.1	210	15.5	350	35.3	660	70.5	820	81.8	2,040	229.4
1986:												
January	60	*4.3	110	8.1	370	37.3	620	66.2	1,140	113.6	2,120	238.2
February	90	*7.1	110	9.0	380	42.3	530	62.6	830	91.5	1,770	220.0
March	70	*5.0	90	*6.6	320	32.2	650	69.3	1,040	103.5	2,010	225.5
April	90	*6.6	80	*6.1	250	26.0	670	73.8	950	97.6	2,130	246.7
May	30	*2.1	150	11.0	300	30.1	560	59.6	930	92.4	1,840	206.1
June	100	*7.4	120	9.1	390	40.4	500	55.0	940	96.5	1,770	204.7
July	80	*5.6	100	*7.2	340	34.1	590	62.7	820	82.0	2,010	226.3
August	80	*5.5	140	10.0	320	31.9	600	63.4	1,050	106.0	1,850	210.1
September	70	*5.0	100	*7.3	290	29.9	660	72.0	930	96.9	2,030	238.0
October	50	*3.4	140	9.9	430	42.8	700	73.8	1,070	107.8	1,770	200.6
November	120	8.6	140	10.3	320	32.9	770	83.8	1,040	108.1	1,870	218.9
December	100	*6.9	160	11.4	380	37.8	550	57.9	840	84.5	1,940	219.6
1987:												
January	120	8.3	80	*5.7	440	43.7	550	57.8	890	89.4	2,050	231.9
February	90	*6.9	160	12.6	390	42.9	600	69.8	890	99.0	2,050	256.6
March	60	*4.1	110	7.8	290	28.8	660	69.3	930	93.3	1,770	199.9
April	100	*7.1	130	9.5	450	46.1	630	68.3	930	96.4	2,010	234.5
May	90	*6.2	130	9.2	310	30.7	690	72.4	1,030	103.2	2,040	230.1
June	80	*5.7	190	13.9	340	34.8	540	58.5	990	102.5	2,100	244.6
July	50	*3.4	220	15.3	350	34.4	710	73.9	990	100.0	2,110	239.7
August	160	10.8	140	9.7	430	42.3	520	54.1	950	95.9	1,720	195.2
September	40	*2.8	70	*5.0	380	38.6	460	49.4	900	93.8	1,880	220.3
October	70	*4.7	160	11.1	350	34.3	590	61.2	1,110	111.8	1,950	220.9
November	90	*6.3	140	10.0	360	36.5	600	64.3	800	83.2	1,970	230.4
December	60	*4.0	150	10.4	340	33.3	680	70.5	890	89.5	2,040	230.7
1988:												
January	60	*4.0	170	11.7	300	29.1	600	61.4	910	92.7	1,970	225.3
February	110	7.9	130	9.5	350	36.1	690	75.3	1,000	109.0	2,180	266.7
March	90	*6.0	220	15.1	270	26.0	710	72.3	840	85.7	2,060	235.9
April	80	*5.5	150	10.6	450	44.6	640	67.1	970	102.4	1,820	215.6
May	80	*5.3	140	9.5	350	33.5	670	67.8	1,110	113.5	2,030	232.9
June	10	*0.7	140	9.8	310	30.6	740	77.1	1,000	105.7	1,750	207.6
July	120	7.9	140	9.5	360	34.3	500	50.3	910	93.2	2,080	238.9
August	60	*4.0	130	8.8	330	31.3	740	74.2	860	88.2	2,000	229.9
September	70	*4.7	150	10.5	310	30.3	690	71.3	1,050	111.4	1,960	233.0
October	140	9.2	110	7.4	340	32.1	690	68.8	870	89.4	2,180	251.0
November	80	*5.4	170	11.8	410	39.9	610	62.7	1,010	107.4	1,960	233.4
December	130	8.5	190	12.7	330	31.0	610	60.5	1,180	121.5	2,000	230.7
1989:												
January	100	*6.5	110	7.3	360	33.6	740	73.0	1,120	115.0	1,830	210.4
February	100	*7.1	90	*6.6	350	36.1	520	56.7	1,060	120.6	1,890	240.8
March	90	*5.8	130	8.6	360	33.5	700	68.7	1,160	119.4	1,690	194.7
April	60	*4.0	150	10.2	350	33.5	660	66.8	1,060	112.8	1,860	221.6
May	90	*5.8	160	10.5	320	29.6	630	61.6	1,050	108.3	1,970	227.3
June	70	*4.6	110	7.4	330	31.5	690	69.5	970	103.5	1,940	231.4
July	100	*6.4	150	9.8	360	33.1	660	64.2	1,010	104.4	2,030	234.5
August	90	*5.7	110	7.2	380	34.9	610	59.2	1,170	121.0	1,680	194.2
September	110	7.2	80	*5.4	270	25.6	680	68.0	1,070	114.5	1,790	213.9
October	90	*5.7	140	9.1	350	32.0	610	58.9	940	97.4	1,950	225.6
November	140	9.1	140	9.3	350	33.0	650	64.8	860	92.1	1,710	204.5
December	70	*4.4	130	8.3	310	28.2	650	62.5	1,110	115.2	2,050	237.4

NOTE: Data in this table are for figures 7–12. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for March 1989, volume 38, number 3.

Table 3. Estimated number of deaths and death rates for Chronic obstructive pulmonary diseases and allied conditions, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	45–54 years				55–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	70	*6.9	80	*8.5	290	30.2	470	55.5	370	50.7	1,200	214.9
February	70	*7.6	120	14.1	260	29.9	480	62.7	470	71.2	1,030	204.1
March	80	*7.9	100	*10 6	230	23.9	460	54.2	450	61.5	1,140	203.9
April	90	*9.1	140	15.3	220	23 6	440	53.5	450	63.5	940	173.5
May	70	*6.9	70	*7.4	240	24.9	340	40.0	410	56.0	1,100	196.4
June	70	*7 1	90	*9.8	190	20.3	460	55.9	300	42.3	850	156.6
July	40	*4 0	80	*8.5	250	25.8	420	49.2	300	40.6	1,030	182.4
August	70	*7.0	90	*9.7	270	27.8	380	44.5	330	44.5	880	154.9
September	80	*8.3	70	*7.8	260	27.6	410	49.5	380	52.9	1,000	181.7
October	80	*8 0	60	*6.4	250	25.7	420	49.0	270	36.3	1,140	200.3
November	30	*3.1	80	*8.8	170	18.0	410	49.4	410	56.9	940	170.5
December	20	*2.0	90	*9.6	230	23.6	590	68.7	480	64.5	1,140	199.9
1980:												
January	80	*8.0	80	*8.6	220	22.6	500	58.4	550	74.0	1,170	205.5
February	90	*9.6	180	20 6	300	32.9	500	62.3	550	79.0	1,210	227.0
March	50	*5.0	130	13.9	370	37.9	590	68.8	410	55.1	1,280	224.4
April	90	*9.3	110	12.1	260	27.5	440	52.9	430	59.6	1,130	204.6
May	70	*7.0	170	18.1	270	27.6	540	62.8	510	68.4	1,170	204.8
June	110	11.3	110	12.1	200	21.1	410	49.2	400	55.3	1,110	200.5
July	50	*5.0	140	15 0	300	30.6	640	74.2	420	56.0	1,490	259.0
August	70	*7.1	120	13.0	200	20.4	400	46.4	300	39.8	1,010	174.8
September	30	*3.1	110	12.3	200	21.0	470	56.3	380	52.0	1,050	187.6
October	90	*9.1	150	16.2	200	20.3	400	46.3	390	51.6	1,150	198.6
November	50	*5.2	140	15 6	270	28.3	700	83.6	460	62.9	950	169.4
December	90	*9.1	150	16.2	340	34.5	600	69.3	590	78.0	1,310	225.9
1981:												
January	80	*8.0	160	17.2	390	39.4	530	61.0	720	94.8	1,550	266.3
February	150	16.7	250	29.7	340	38.0	670	85.4	900	131.1	1,400	266.2
March	120	12 0	110	11.8	330	33.3	490	56.4	670	88.1	1,580	271.1
April	90	*9.3	140	15 5	260	27.1	540	64.1	710	96.4	1,430	253.4
May	90	*9.0	90	*9.6	310	31.2	550	63.1	550	72.2	1,330	227.8
June	110	11.4	120	13 3	280	29.1	440	52.1	460	62.4	1,130	199.9
July	70	*7.1	80	*8.6	250	25.2	440	50.5	510	66.7	1,230	209.9
August	50	*5.1	40	*4.3	240	24.2	440	50.6	530	69.1	1,080	183.6
September	50	*5 3	80	*9 0	210	21.8	480	56.9	480	64.6	1,150	201.9
October	70	*7.1	100	*10.9	210	21.1	380	43.6	510	66.3	1,000	169.7
November	20	*2.1	120	13.5	240	24.9	590	69.9	500	67.2	1,080	189.2
December	120	12.2	50	*5.4	240	24.1	660	75.6	480	62.4	1,070	181.3
1982:												
January	70	*7.1	110	11.9	320	32.1	490	56.1	390	50.6	1,120	189.6
February	70	*7.8	160	19.2	200	22.2	410	51.9	520	74.7	1,130	211.6
March	80	*8 1	100	*10.8	410	41.1	510	58.3	700	90.7	1,300	219.8
April	40	*4.2	150	16.8	300	31.0	510	60.2	710	95.0	1,430	249.6
May	50	*5.1	110	11 9	240	24.0	420	47.9	600	77.6	1,220	205.9
June	90	*9.4	120	13.4	280	28.9	610	71.8	520	69.5	1,210	210.9
July	70	*7.1	100	*10.9	290	29.0	410	46.7	620	79.9	1,390	233.5
August	60	*6.1	120	13.1	330	33.1	440	50.1	550	70.5	1,060	176.4
September	40	*4.2	160	18.0	210	21.7	530	62.3	530	70.1	1,090	187.2
October	90	*9.2	100	*10.9	210	21.0	420	47.8	560	71.6	1,230	204.3
November	80	*8.4	40	*4.5	240	24.8	390	45.8	470	62.1	1,210	207.5
December	100	*10.2	110	11.9	330	32.9	530	60.2	730	93.2	1,000	165.8
1983:												
January	50	*5.1	90	*9.8	220	21.9	690	78.3	690	88.1	1,400	232.0
February	90	*10.1	120	14.4	270	29.8	790	99.1	790	111.5	1,620	297.0
March	190	*19.3	150	16.2	390	38.8	550	62.3	740	94.3	1,310	216.8
April	60	*6.3	170	19.0	320	32.9	530	62.0	740	97.4	1,440	246.0
May	80	*8.1	140	15.1	260	25.9	570	64.5	690	87.8	1,440	237.9
June	140	14.7	70	*7.8	250	25.7	580	67.7	660	86.7	1,330	226.8
July	90	*9.2	60	*6.5	230	22.9	480	54.2	520	65.8	1,340	219.2
August	60	*6.1	60	*6.5	290	29.0	450	50.9	560	70.8	1,210	197.0
September	80	*8.4	70	*7 8	260	26.8	400	46.7	610	79.6	970	163.1
October	30	*3.1	90	*9 7	330	32.9	440	49.7	580	73.2	1,020	165.8
November	110	11.6	100	*11.2	260	26 8	540	63.0	500	65.1	1,080	181.2
December	110	11.2	120	13.0	340	33.9	520	58.7	660	83.1	1,400	227.2
1984:												
January	100	*10.2	70	*7.6	340	33.9	500	56.5	780	98.5	1,360	221.2
February	70	*7.6	100	*11.6	370	39.5	510	61.6	580	78.2	1,250	217.1
March	60	*6.1	130	14.1	400	39.9	650	73.4	720	90.8	1,600	259.8
April	50	*5.3	140	15.7	320	32.9	720	83.9	910	118.4	1,600	268.3
May	70	*7.1	70	*7.6	320	31.9	550	62.0	740	93.1	1,500	243.2
June	50	*5.3	90	*10.1	370	38.0	530	61.7	800	104.0	1,330	222.7
July	60	*6.1	150	16 2	310	30.9	460	51.8	630	79.1	1,230	198.2
August	40	*4.1	70	*7.6	210	21.0	440	49.7	590	73.8	1,360	217.8
September	70	*7 4	230	25.7	280	28 9	560	65.3	580	74.9	1,100	181.9
October	80	*8 1	100	*10.8	460	46.0	420	47.4	580	72.5	1,300	207.8
November	80	*8.4	70	*7.8	240	24.8	500	58.2	530	68.4	1,300	214.5
December	40	*4 1	120	13.0	430	42.9	450	50.7	860	107.3	1,380	220.3

Table 3. Estimated number of deaths and death rates for Chronic obstructive pulmonary diseases and allied conditions, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	45–54 years				55–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	140	14.2	70	*7.5	440	43.7	600	67.3	930	115.6	1,470	233.8
February	90	*10.1	160	19.0	460	50.6	620	77.0	990	136.2	1,480	260.5
March	150	15.2	60	*6.4	340	33.8	690	77.3	920	114.2	1,590	252.6
April	130	13.6	80	*8.9	450	46.1	520	60.2	680	87.2	1,360	223.1
May	80	*8.1	110	11.8	410	40.6	550	61.6	790	97.9	1,090	172.9
June	140	14.6	70	*7.8	340	34.8	470	54.3	700	89.6	1,200	196.6
July	190	19.2	130	14.0	350	34.8	540	60.6	620	76.6	1,210	190.7
August	90	*9.1	70	*7.5	260	26.0	400	45.1	580	71.4	1,010	157.9
September	60	*6.3	100	*11.1	360	37.2	440	51.2	480	61.0	960	155.0
October	60	*6.1	40	*4.3	260	26.0	450	50.7	800	98.2	1,120	174.8
November	60	*6.3	90	*9.9	350	36.1	540	62.8	810	102.7	1,270	204.6
December	90	*9.1	130	13.9	390	38.9	520	58.5	720	88.3	1,380	215.0
1986:												
January	40	*4.0	130	13.9	350	34.9	590	66.3	890	109.0	1,510	235.1
February	110	12.3	70	*8.3	430	47.4	550	68.4	870	117.9	1,700	292.8
March	80	*8.0	130	13.9	480	47.8	800	89.7	1,090	133.3	1,360	211.5
April	80	*8.3	140	15.4	280	28.8	450	52.1	790	99.8	1,490	239.2
May	90	*9.0	110	11.7	320	31.8	400	44.8	740	90.4	1,410	218.9
June	60	*6.2	120	13.2	330	33.9	460	53.2	830	104.7	1,250	200.4
July	80	*8.0	110	11.7	340	34.0	460	51.8	790	96.0	1,170	180.1
August	100	*10.0	130	13.7	230	23.2	500	56.8	730	88.4	1,140	174.2
September	60	*6.2	80	*8.7	300	31.2	440	51.6	670	83.7	1,260	198.8
October	60	*6.0	120	12.6	400	40.3	430	48.7	670	81.0	1,150	175.4
November	70	*7.2	140	15.2	350	36.4	470	55.0	680	84.9	1,080	170.1
December	70	*7.0	80	*8.4	380	38.2	440	49.8	810	97.7	1,300	198.0
1987:												
January	30	*3.0	120	12.6	440	44.2	470	53.1	1,060	127.8	1,420	216.2
February	70	*7.7	100	*11.6	380	42.2	520	65.1	780	104.1	1,340	225.7
March	70	*6.9	50	*5.3	570	57.2	430	48.6	1,020	122.9	1,560	237.2
April	120	12.3	90	*9.8	400	41.5	590	68.8	930	115.7	1,510	237.0
May	100	*9.9	90	*9.4	420	42.1	500	56.4	1,040	125.1	1,310	198.9
June	120	12.3	60	*6.5	330	34.2	550	64.1	810	100.6	1,270	199.1
July	80	*7.9	70	*7.3	350	35.4	500	56.8	750	89.7	1,070	161.0
August	60	*5.9	40	*4.2	290	29.3	500	56.8	560	66.9	1,300	195.5
September	50	*5.1	90	*9.7	260	27.1	400	46.9	660	81.4	1,170	181.6
October	60	*5.9	50	*5.2	300	30.2	540	61.2	660	78.7	1,260	189.1
November	110	11.1	40	*4.3	270	28.1	490	57.3	750	92.4	1,200	185.9
December	80	*7.8	40	*4.1	410	41.2	610	69.0	990	117.9	1,370	205.3
1988:												
January	110	10.6	120	12.3	470	47.9	560	64.0	870	103.7	1,440	215.6
February	100	*10.3	120	13.1	340	37.0	560	68.5	1,110	141.4	1,470	235.0
March	100	*9.6	90	*9.1	600	61.2	660	75.6	1,090	129.7	1,630	243.4
April	60	*5.9	50	*5.2	470	49.6	640	75.8	1,030	126.6	1,430	220.5
May	140	13.4	80	*8.1	310	31.7	520	59.6	880	104.6	1,410	210.3
June	50	*4.9	130	13.5	390	41.2	460	54.6	790	96.9	1,360	209.3
July	60	*5.7	90	*9.0	240	24.6	500	57.4	960	113.9	1,180	175.4
August	90	*8.5	80	*8.0	400	41.0	490	56.3	710	84.1	1,210	179.7
September	80	*7.8	100	*10.3	330	35.0	570	67.8	880	107.6	1,070	163.9
October	80	*7.5	80	*8.0	300	30.8	530	61.0	890	105.2	1,240	183.5
November	40	*3.9	40	*4.1	350	37.2	460	54.8	860	104.9	1,150	175.6
December	100	*9.4	120	11.9	270	27.8	540	62.3	960	113.2	1,450	214.0
1989:												
January	120	11.2	100	*9.9	450	46.2	470	54.0	980	115.2	1,510	221.8
February	40	*4.1	120	13.1	580	66.0	760	96.8	1,380	179.3	1,480	240.4
March	130	12.1	190	18.7	460	47.3	660	76.0	1,170	137.2	1,390	203.7
April	110	10.5	90	*9.1	400	42.6	470	56.0	1,110	134.4	1,460	220.8
May	70	*6.5	110	10.7	380	39.2	440	50.8	1,000	117.0	1,290	188.5
June	130	12.4	70	*7.0	250	26.7	430	51.3	800	96.6	1,320	199.0
July	80	*7.4	90	*8.7	310	32.0	460	53.1	840	98.1	1,230	179.2
August	90	*8.3	130	12.6	370	38.3	420	48.5	760	88.6	1,130	164.4
September	90	*8.5	120	12.0	290	31.0	390	46.6	670	80.7	1,020	153.1
October	60	*5.5	50	*4.8	370	38.3	420	48.6	810	94.2	1,070	155.1
November	80	*7.5	70	*7.0	300	32.1	420	50.2	750	90.1	1,060	158.6
December	130	11.8	80	*7.7	390	40.5	590	68.3	1,060	123.1	1,390	200.9

NOTE: Data in this table are for figures 13–18. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for April 1989, volume 38, number 4.

Table 4. Estimated number of deaths and death rates for Accidents and adverse effects, Homicide and legal intervention, and Suicide, for males and females aged 15–24 years, by year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Accidents and adverse effects				Homicide and legal intervention				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	360	20.2	1,200	66.2	80	*4.5	320	17.6	60	*3.4	390	21.5
February	310	19 2	1,170	71.4	70	*4.3	450	27.5	70	*4.3	350	21.4
March	470	26.3	1,430	78.8	110	6.2	480	26.4	50	*2.8	360	19.8
April	360	20.8	1,570	89.3	70	*4.0	380	21.6	100	*5.8	330	18.8
May	470	26.3	1,710	94 1	70	*3.9	380	20.9	80	*4.5	290	15.9
June	370	21.4	2,080	118.1	30	*1.7	280	15.9	50	*2.9	300	17.0
July	480	26.9	1,980	108 9	60	*3.4	430	23.6	60	*3.4	260	14.3
August	360	20.2	2,000	110 5	70	*3.9	420	23.2	70	*3.9	230	12.7
September	490	28.4	1,670	95.2	90	*5.2	460	26.2	40	*2.3	350	20.0
October	500	28.0	1,790	98.7	120	6.7	420	23.1	50	*2.8	360	19.8
November	400	23.2	1,410	80.2	110	6.4	580	33.0	70	*4.1	280	15.9
December	430	24.1	1,690	93.0	110	6.1	360	19.8	50	*2.8	290	16.0
1980:												
January	340	19 1	1,430	78.8	110	6.2	600	33.1	30	*1.7	330	18.2
February	370	22.2	1,240	73.0	60	*3.6	270	15.9	80	*4.8	290	17.1
March	330	18 5	1,340	73.7	90	*5.0	470	25.9	70	*3.9	270	14.9
April	500	28.9	1,250	71.0	110	6.4	340	19.3	60	*3.5	320	18.2
May	400	22.3	1,770	97.2	80	*4.5	480	26.4	70	*3.9	340	18.7
June	470	27.1	2,230	126.4	130	7.5	440	24.9	70	*4.0	320	18.1
July	480	26.9	2,210	121.8	110	6.2	540	29.8	100	*5.6	300	16.5
August	390	22.1	2,320	128.7	50	*2.8	670	37.2	120	6.8	400	22.2
September	360	21.0	1,900	108.8	150	8.7	440	25.2	90	*5.2	290	16.6
October	500	28.2	1,740	96.3	110	6.2	380	21.0	40	*2.3	440	24.4
November	430	25.0	1,300	74.3	90	*5.2	370	21.1	30	*1.7	390	22.3
December	400	22.5	1,480	81.8	170	9.6	410	22.7	110	6.2	400	22.1
1981:												
January	440	24.7	1,090	60.0	130	7.3	420	23.1	60	*3.4	390	21.5
February	260	16.2	1,370	83.5	110	6.8	550	33.5	60	*3.7	450	27.4
March	360	20.2	1,120	61.6	100	*5.6	350	19.3	30	*1.7	470	25.8
April	410	23.7	1,390	78.9	130	7.5	320	18.2	40	*2.3	260	14.8
May	410	22.9	1,770	97.2	130	7.3	410	22.5	60	*3.4	330	18.1
June	380	22.0	1,650	93.5	150	8.7	450	25.5	90	*5.2	320	18.1
July	540	30.5	1,920	106.2	130	7.3	350	19.4	130	7.3	400	22.1
August	510	29.1	1,870	104.5	90	*5.1	430	24.0	40	*2.3	240	13.4
September	340	20.1	1,420	81.9	100	*5.9	450	26.0	110	6.5	270	15.6
October	520	29.6	1,380	77.0	180	10.3	400	22.3	30	*1.7	270	15.1
November	390	23.0	1,420	81.8	110	6.5	350	20.1	110	6.5	430	24.8
December	350	19.9	1,280	71.3	60	*3.4	320	17.8	70	*4.0	440	24.5
1982:												
January	290	16.5	1,160	64.6	100	*5.7	360	20.0	50	*2.8	290	16.1
February	270	17.0	900	55.4	130	8.2	430	26.5	80	*5.0	320	19.7
March	370	21.0	1,000	55.6	90	*5.1	340	18.9	100	*5.7	410	22.8
April	340	19.9	1,220	70.0	60	*3.5	410	23.5	80	*4.7	410	23.5
May	340	19.3	1,560	86.6	110	6.2	310	17.2	110	6.2	320	17.8
June	420	24.6	1,650	94.5	110	6.4	320	18.3	50	*2.9	400	22.9
July	480	27.5	1,810	101.4	90	*5.1	450	25.2	40	*2.3	330	18.5
August	440	25.5	1,830	104.0	110	6.4	390	22.2	140	8.1	240	13.6
September	380	22.8	1,290	75.7	70	*4.2	390	22.9	110	6.6	330	19.4
October	410	23.7	1,640	93.1	80	*4.6	420	23.8	20	*1.2	330	18.7
November	300	17.9	1,440	84.4	130	7.8	340	19.9	50	*3.0	320	18.7
December	450	26.0	1,250	70.8	110	6.4	410	23.2	110	6.4	360	20.4
1983:												
January	380	22.0	990	56.0	50	*2.9	380	21.5	80	*4.6	380	21.5
February	320	20.5	840	52.6	30	*1.9	240	15.0	90	*5.7	420	26.3
March	250	14.4	1,110	62.8	90	*5.2	280	15.8	60	*3.5	330	18.7
April	380	22.6	990	57.8	70	*4.2	280	16.3	60	*3.6	300	17.5
May	410	23.6	1,300	73.4	90	*5.2	340	19.2	60	*3.4	250	14.1
June	310	18.4	1,760	102.6	80	*4.8	300	17.5	50	*3.0	250	14.6
July	510	29.8	1,580	90.5	60	*3.5	330	18.9	60	*3.5	270	15.5
August	340	20.1	1,720	99.7	100	*5.9	210	12.2	40	*2.4	250	14.5
September	320	19.5	1,530	91.6	110	6.7	360	21.5	80	*4.9	300	17.9
October	390	23.0	1,380	79.9	70	*4.1	300	17.4	70	*4.1	340	19.7
November	420	25.6	990	59 2	100	*6.1	320	19.1	70	*4.3	340	20.3
December	350	20.6	990	57.2	90	*5.3	310	17.9	70	*4.1	350	20.2
1984:												
January	330	19.5	880	50.9	80	*4.7	250	14.5	50	*2.9	330	19.1
February	330	20.8	710	43.9	120	7.6	320	19.8	40	*2.5	280	17.3
March	380	22.4	1,050	60.7	120	7.1	380	22.0	100	*5.9	390	22.6
April	400	24.3	1,200	71.7	90	*5.5	210	12.5	100	*6.1	430	25.7
May	310	18.2	1,340	77.4	60	*3.5	340	19.6	30	*1.8	240	13.8
June	320	19.4	1,680	100.2	90	*5.5	320	19.1	100	*6.1	260	15.5
July	460	27.3	1,510	88.1	90	*5.3	230	13.4	90	*5.3	370	21.6
August	350	21.0	1,690	99.6	70	*4.2	440	25.9	60	*3.6	380	22.4
September	390	24.2	1,600	97.4	170	10.5	200	12.2	50	*3.1	300	18.3
October	450	27.0	1,360	80.0	160	9.6	300	17.7	50	*3.0	350	20.6
November	360	22.3	1,410	85.7	100	*6.2	270	16.4	50	*3.1	250	15.2
December	330	19.8	1,010	59.3	90	*5.4	230	13.5	120	7.2	270	15.9

Table 4. Estimated number of deaths and death rates for Accidents and adverse effects, Homicide and legal intervention, and Suicide, for males and females aged 15–24 years, by year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Accidents and adverse effects				Homicide and legal intervention				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	290	17.3	940	55.0	60	*3.6	330	19.3	70	*4.2	230	13.5
February	200	13.2	770	49.9	70	*4.6	230	14.9	60	*3.9	360	23.3
March	230	13.7	940	55.0	90	*5.4	320	18.7	60	*3.6	440	25.7
April	300	18.4	1,120	67.6	60	*3.7	290	17.5	60	*3.7	440	26.6
May	480	28.6	1,590	92.8	140	8.3	240	14.0	70	*4.2	350	20.4
June	510	31.3	1,340	80.8	60	*3.7	290	17.5	70	*4.3	240	14.5
July	480	28.8	1,610	95.0	120	7.2	370	21.8	30	*1.8	430	25.4
August	440	26.7	1,580	94.1	120	7.3	350	20.9	50	*3.0	210	12.5
September	280	17.6	1,500	92.3	90	*5.6	290	17.8	70	*4.4	260	16.0
October	260	15.8	1,150	68.4	80	*4.9	300	17.8	20	*1.2	270	16.0
November	350	21.9	1,040	63.9	40	*2.5	250	15.3	50	*3.1	340	20.9
December	350	21.2	910	54.0	70	*4.2	300	17.8	30	*1.8	370	22.0
1986:												
January	340	20.6	940	55.8	140	8.5	390	23.1	20	*1.2	420	24.9
February	240	16.1	840	55.1	70	*4.7	280	18.4	110	7.4	330	21.7
March	310	18.7	1,040	61.6	110	6.6	260	15.4	110	6.6	340	20.1
April	310	19.3	1,010	61.8	80	*5.0	290	17.7	80	*5.0	370	22.6
May	470	28.4	1,390	82.2	60	*3.6	310	18.3	70	*4.2	370	21.9
June	400	24.9	1,700	103.8	60	*3.7	480	29.3	50	*3.1	370	22.6
July	600	36.6	1,660	99.2	70	*4.3	490	29.3	90	*5.5	310	18.5
August	540	33.4	1,490	90.2	120	7.4	490	29.7	100	*6.2	200	12.1
September	440	28.1	1,430	89.4	130	8.3	310	19.4	70	*4.5	370	23.1
October	450	27.8	1,220	73.7	40	*2.5	430	26.0	50	*3.1	250	15.1
November	330	21.0	1,180	73.6	80	*5.1	390	24.3	100	*6.4	300	18.7
December	390	24.0	1,240	74.8	80	*4.9	280	16.9	50	*3.1	220	13.3
1987:												
January	300	18.5	840	50.7	40	*2.5	270	16.3	80	*4.9	300	18.1
February	300	20.4	880	58.7	70	*4.8	280	18.7	120	8.2	380	25.4
March	390	24.0	900	54.2	50	*3.1	310	18.7	60	*3.7	370	22.3
April	320	20.3	1,010	62.8	70	*4.4	260	16.2	70	*4.4	350	21.8
May	330	20.3	1,340	80.6	60	*3.7	390	23.5	50	*3.1	360	21.7
June	370	23.5	1,220	75.8	50	*3.2	430	26.7	50	*3.2	210	13.0
July	420	26.1	1,770	107.8	100	*6.2	330	20.1	60	*3.7	320	19.5
August	450	28.0	1,680	102.3	60	*3.7	420	25.6	40	*2.5	260	15.8
September	320	20.5	1,390	87.3	70	*4.5	290	18.2	150	9.6	280	17.6
October	410	25.4	1,280	77.8	80	*5.0	340	20.7	70	*4.3	250	15.2
November	390	25.0	1,140	71.5	110	7.0	240	15.1	60	*3.8	340	21.3
December	270	16.7	830	50.3	50	*3.1	380	23.0	60	*3.7	370	22.4
1988:												
January	320	20.2	1,040	64.3	40	*2.5	430	26.6	60	*3.8	350	21.6
February	210	14.2	790	52.3	120	8.1	450	29.8	40	*2.7	310	20.5
March	350	22.2	960	59.5	120	7.6	290	18.0	90	*5.7	360	22.3
April	450	29.5	980	62.9	80	*5.2	350	22.5	70	*4.6	380	24.4
May	440	28.0	1,340	83.4	80	*5.1	280	17.4	80	*5.1	320	19.9
June	410	27.0	1,290	83.2	70	*4.6	380	24.5	50	*3.3	210	13.5
July	450	28.7	1,510	94.4	160	10.2	370	23.1	90	*5.7	300	18.7
August	380	24.3	1,700	106.5	120	7.7	520	32.6	60	*3.8	300	18.8
September	360	23.9	1,220	79.2	70	*4.6	270	17.5	90	*6.0	240	15.6
October	380	24.4	1,140	71.7	60	*3.8	350	22.0	50	*3.2	280	17.6
November	480	31.9	1,020	66.4	70	*4.6	350	22.8	70	*4.6	350	22.8
December	410	26.4	1,040	65.7	50	*3.2	410	25.9	70	*4.5	360	22.7
1989:												
January	330	21.2	900	56.7	50	*3.2	400	25.2	100	*6.4	430	27.1
February	350	25.0	830	58.0	50	*3.6	320	22.4	30	*2.1	310	21.7
March	250	16.2	1,040	65.8	110	7.1	410	26.0	80	*5.2	350	22.1
April	440	29.5	940	61.6	70	*4.7	300	19.7	120	8.0	290	19.0
May	340	22.1	950	60.3	150	9.7	370	23.5	80	*5.2	350	22.2
June	370	24.9	1,020	67.1	100	*6.7	340	22.4	100	*6.7	330	21.7
July	470	30.6	1,290	82.3	90	*5.9	430	27.4	60	*3.9	270	17.2
August	340	22.2	1,510	96.4	80	*5.2	500	31.9	100	*6.5	340	21.7
September	290	19.6	1,140	75.3	90	*6.1	450	29.7	20	*1.4	250	16.5
October	260	17.0	1,150	73.6	80	*5.2	400	25.6	80	*5.2	260	16.6
November	320	21.7	1,000	66.2	60	*4.1	390	25.8	60	*4.1	340	22.5
December	360	23.6	980	62.9	90	*5.9	470	30.2	30	*2.0	420	27.0

NOTE: Data in this table are for figures 19–24. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for May 1989, volume 38, number 5.

Table 5. Estimated number of deaths and death rates for Accidents and adverse effects, Chronic liver disease and cirrhosis, and Suicide, for males and females aged 55–64 years, by year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Accidents and adverse effects				Chronic liver disease and cirrhosis				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	260	27.1	690	81.5	310	32.2	390	46.0	70	*7.3	310	36.6
February	350	40.3	520	67.9	250	28.8	470	61.4	60	*6.9	170	22.2
March	230	23.9	700	82.5	180	18.7	430	50.7	130	13.5	230	27.1
April	240	25.7	390	47.5	270	29.0	500	60.9	140	15.0	150	18.2
May	110	11.4	510	60.0	230	23.8	480	56.5	90	*9.3	170	20.0
June	180	19.3	560	68.0	220	23.6	490	59.5	70	*7.5	170	20.6
July	250	25 8	390	45.7	200	20.6	480	56.3	100	*10.3	180	21.1
August	230	23.7	470	55.0	140	14.4	460	53.8	90	*9.3	220	25.7
September	110	11.7	500	60.4	220	23.4	360	43.5	80	*8.5	190	22.9
October	220	22.6	550	64.2	220	22.6	590	68.9	40	*4.1	250	29.2
November	240	25.4	470	56.6	200	21.2	490	59.1	100	*10.6	210	25.3
December	190	19.5	590	68.7	140	14.3	490	57.1	90	*9.2	260	30.3
1980:												
January	270	27.7	520	60.7	440	45.2	590	68.9	80	*8.2	310	36.2
February	260	28.5	540	67.3	250	27.4	670	83.5	60	*6.6	190	23.7
March	280	28.7	570	66.4	350	35.9	560	65.3	90	*9.2	280	32.6
April	220	23.3	640	77.0	290	30.7	500	60.2	60	*6.3	220	26.5
May	130	13.3	680	79.1	210	21.5	510	59.3	50	*5.1	270	31.4
June	270	28.5	550	66.0	200	21.1	480	57.6	80	*8.4	220	26.4
July	260	26.5	660	76.5	240	24.5	490	56.8	30	*3.1	200	23.2
August	250	25.5	550	63.8	290	29.5	470	54.5	70	*7.1	250	29.0
September	250	26.3	500	59.9	280	29.4	480	57.5	40	*4.2	200	23.9
October	240	24.4	640	74.1	180	18.3	560	64.8	20	*2.0	210	24.3
November	210	22.0	470	56.2	230	24.1	500	59.7	110	11.5	160	19.1
December	170	17.2	520	60.1	350	35.5	530	61.2	50	*5.1	200	23.1
1981:												
January	330	33.4	680	78.3	300	30.3	420	48.4	80	*8.1	170	19.6
February	250	28.0	420	53.5	320	35.8	530	67.5	30	*3.4	240	30.6
March	300	30.3	470	54.0	310	31.3	540	62.1	110	11.1	260	29.9
April	180	18.8	510	60.6	290	30.2	360	42.7	100	*10.4	220	26.1
May	230	23.2	490	56.3	290	29.2	390	44.8	60	*6.0	190	21.8
June	180	18.7	470	55.7	280	29.1	480	56.9	120	12.5	200	23.7
July	230	23.2	460	52.8	190	19.1	550	63.2	50	*5.0	220	25.3
August	180	18.1	430	49.4	160	16.1	480	55.2	70	*7.1	110	12.6
September	190	19.8	430	51.0	320	33.3	350	41.5	70	*7.3	160	19.0
October	200	20.1	490	56.2	280	28.2	500	57.3	90	*9.0	130	14.9
November	210	21.8	530	62.8	280	29.1	400	47.4	50	*5.2	190	22.5
December	250	25.1	440	50.4	230	23.1	360	41.2	40	*4.0	170	19.5
1982:												
January	190	19.1	570	65.2	240	24.1	430	49.2	30	*3.0	190	21.7
February	290	32.2	550	69.6	190	21.1	450	57.0	40	*4.4	150	19.0
March	180	18.0	460	52.5	240	24.0	390	44.6	60	*6.0	170	19.4
April	190	19.6	430	50.7	220	22.8	520	61.3	60	*6.2	190	22.4
May	150	15.0	350	39.9	250	25.0	470	53.6	80	*8.0	150	17.1
June	190	19.6	410	48 3	200	20.6	470	55.3	140	14.5	200	23.6
July	200	20.0	580	66.1	200	20.0	430	49.0	90	*9.0	290	33.1
August	210	21.0	430	49.0	200	20.0	350	39.9	50	*5.0	340	38.7
September	220	22.7	470	55.3	220	22.7	540	63.5	100	*10.3	250	29.4
October	180	18.0	470	53.4	230	23.0	500	56.9	110	11.0	90	*10.2
November	230	23.7	460	54.0	220	22.7	460	54.0	60	*6.2	260	30.5
December	290	28.9	520	59.0	250	24.9	430	48.8	50	*5.0	260	29.5
1983:												
January	120	12.0	470	53.3	370	36.9	430	48.8	50	*5.0	200	22.7
February	230	25.4	540	67.8	250	27.6	470	59.0	100	*11.0	220	27.6
March	190	18.9	480	54.4	240	23.9	550	62.3	80	*8.0	170	19.3
April	170	17.5	450	52.6	190	19.5	500	58.5	90	*9.2	280	32.7
May	210	20.9	440	49.8	240	23.9	430	48.6	110	10.9	170	19.2
June	220	22.6	400	46.7	200	20.5	320	37.4	80	*8.2	200	23.3
July	250	24.9	550	62 1	300	29 9	460	52.0	70	*7.0	390	44.1
August	200	20.0	550	62.3	160	16.0	390	44.1	90	*9.0	200	22.6
September	140	14.4	460	53.7	190	19.6	430	50.2	70	*7.2	190	22.2
October	90	*9.0	420	47.4	250	24.9	440	49.7	60	*6.0	280	31.6
November	250	25.8	410	47.8	190	19.6	330	38.5	100	*10.3	200	23.3
December	180	17.9	400	45.1	240	23.9	450	50.8	90	*9.0	190	21.4
1984:												
January	230	23.0	650	73.5	230	23.0	460	52.0	70	*7.0	210	23.7
February	190	20.3	430	51.9	240	25.6	480	58.0	60	*6.4	170	20.5
March	280	27.9	390	44.0	170	16.9	420	47.4	100	*10.0	200	22.6
April	250	25.7	460	53.6	170	17.5	410	47.8	70	*7.2	190	22.1
May	200	19.9	360	40.6	230	22.9	430	48.5	140	13.9	260	29.3
June	220	22.6	400	46.6	270	27.8	520	60.5	20	*2.0	320	37.2
July	170	16 9	550	62.0	240	23.9	310	34.9	80	*8.0	200	22.5
August	190	19.0	580	65.5	260	26.0	460	52.0	70	*7.0	280	31.6
September	130	13.4	470	54.8	180	18.6	470	54.8	70	*7.2	220	25.7
October	150	15.0	460	51 9	190	19.0	450	50.8	30	*3.0	230	25.9
November	240	24.8	490	57.1	250	25.8	490	57.1	60	*6.2	180	21.0
December	230	22.9	520	58 6	270	26.9	280	31.5	20	*2.0	220	24.8

Table 5. Estimated number of deaths and death rates for Accidents and adverse effects, Chronic liver disease and cirrhosis, and Suicide, for males and females aged 55–64 years, by year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Accidents and adverse effects				Chronic liver disease and cirrhosis				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	130	12.9	440	49.4	260	25.8	540	60.6	40	*4.0	200	22.4
February	260	28.6	510	63.3	150	16.5	510	63.3	20	*2.2	140	17.4
March	140	13.9	470	52.7	220	21.8	470	52.7	60	*6.0	260	29.1
April	180	18.4	380	44.0	180	18.4	400	46.3	100	*10.2	190	22.0
May	210	20.8	500	56.0	230	22.8	410	45.9	60	*5.9	180	20.1
June	120	12.3	450	52.0	290	29.7	400	46.2	80	*8.2	270	31.2
July	210	20.9	500	56.1	180	17.9	480	53.8	60	*6.0	240	26.9
August	270	27.0	440	49.6	210	21.0	480	54.1	60	*6.0	90	*10.1
September	220	22.7	470	54.7	160	16.5	450	52.4	100	*10.3	280	32.6
October	250	25.0	540	60.8	80	*8.0	400	45.0	110	11.0	290	32.6
November	190	19.6	570	66.3	180	18.6	460	53.5	80	*8.2	180	20.9
December	180	18.0	410	46.1	240	23.9	320	36.0	70	*7.0	240	27.0
1986:												
January	170	16.9	530	59.5	230	22.9	550	61.8	90	*9.0	180	20.2
February	170	18.7	480	59.7	240	26.5	440	54.7	120	13.2	270	33.6
March	160	15.9	370	41.5	190	18.9	390	43.8	150	14.9	250	28.0
April	160	16.4	410	47.5	130	13.4	410	47.5	90	*9.2	300	34.7
May	260	25.8	350	39.2	230	22.9	370	41.4	70	*6.9	190	21.3
June	210	21.5	400	46.3	150	15.4	410	47.4	90	*9.2	280	32.4
July	190	19.0	490	55.2	290	29.0	320	36.0	100	*10.0	160	18.0
August	190	19.2	520	59.0	130	13.1	410	46.6	40	*4.0	250	28.4
September	270	28.1	370	43.4	170	17.7	360	42.2	60	*6.2	170	19.9
October	190	19.1	440	49.9	240	24.2	400	45.3	80	*8.1	180	20.4
November	140	14.6	380	44.5	190	19.8	380	44.5	50	*5.2	240	28.1
December	230	23.1	470	53.2	140	14.1	320	36.2	80	*8.0	220	24.9
1987:												
January	170	17.1	320	36.2	320	32.2	520	58.8	70	*7.0	230	26.0
February	170	18.9	320	40.0	240	26.7	350	43.8	90	*10.0	280	35.0
March	240	24.1	460	52.0	240	24.1	310	35.0	80	*8.0	260	29.4
April	210	21.8	440	51.3	290	30.1	420	49.0	50	*5.2	260	30.3
May	260	26.1	440	49.6	230	23.1	230	25.9	20	*2.0	350	39.5
June	250	25.9	420	48.9	230	23.8	390	45.4	50	*5.2	230	26.8
July	170	17.2	500	56.8	230	23.2	510	57.9	60	*6.1	270	30.7
August	210	21.2	490	55.6	120	12.1	440	49.9	50	*5.0	280	31.8
September	130	13.5	320	37.5	170	17.7	390	45.7	30	*3.1	270	31.6
October	180	18.1	560	63.4	270	27.2	580	65.7	60	*6.0	190	21.5
November	250	26.0	460	53.8	140	14.6	320	37.4	60	*6.2	240	28.1
December	280	28.2	390	44.1	140	14.1	390	44.1	20	*2.0	240	27.1
1988:												
January	210	21.4	340	38.9	150	15.3	360	41.2	60	*6.1	180	20.6
February	260	28.3	450	55.1	280	30.5	360	44.0	60	*6.5	180	22.0
March	210	21.4	460	52.7	180	18.4	480	55.0	50	*5.1	200	22.9
April	250	26.4	400	47.4	180	19.0	410	48.6	70	*7.4	200	23.7
May	190	19.4	420	48.2	160	16.4	420	48.2	40	*4.1	200	22.9
June	180	19.0	460	54.6	180	19.0	340	40.3	70	*7.4	270	32 0
July	200	20.5	410	47.1	160	16.4	350	40.2	100	*10.2	210	24.1
August	140	14.3	410	47.1	160	16.4	300	34.5	20	*2.0	160	18.4
September	250	26.5	350	41.6	160	17.0	330	39.2	70	*7.4	300	35 7
October	190	19.5	340	39.1	240	24.7	310	35.7	60	*6.2	210	24.2
November	250	26.6	350	41.7	140	14.9	320	38.1	110	11.7	160	19.1
December	300	30.9	360	41.5	150	15.4	440	50.7	50	*5.1	230	26.5
1989:												
January	210	21.6	440	50.6	160	16.4	480	55.2	60	*6.2	160	18.4
February	210	23.9	400	51.0	170	19.3	290	36.9	50	*5.7	210	26.7
March	300	30.9	490	56.4	150	15.4	370	42.6	90	*9.3	200	23.0
April	110	11.7	480	57.2	210	22.4	420	50.0	80	*8.5	130	15.5
May	120	12.4	440	50.8	160	16.5	330	38.1	110	11.3	280	32.3
June	130	13.9	330	39.4	180	19.2	350	41.8	120	12.8	230	27.4
July	150	15.5	380	43.9	160	16.5	290	33.5	80	*8.3	190	21.9
August	210	21.7	430	49.7	150	15.5	290	33.5	40	*4.1	200	23.1
September	190	20.3	410	49.0	240	25.7	340	40.6	30	*3.2	260	31.1
October	190	19.7	410	47.4	180	18.6	490	56.7	30	*3.1	310	35.9
November	190	20.4	410	49.0	170	18.2	400	47.8	100	*10.7	190	22.7
December	180	18.7	360	41.7	170	17.6	360	41.7	30	*3.1	160	18.5

NOTE: Data in this table are for figures 25–30. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for June 1989, volume 38, number 6.

Table 6. Estimated number of deaths and death rates for Malignant neoplasms of digestive organs and peritoneum and Malignant neoplasm of breast, by specified age and sex and by year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Malignant neoplasms of digestive organs and peritoneum								Malignant neoplasm of breast, female			
	55–64 years				65–74 years							
	Female		Male		Female		Male		55–64 years		65–74 years	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	550	57.2	1,230	145.3	1,080	147.9	1,570	281.2	840	87.4	680	93.1
February	850	97.8	960	125.4	1,230	186.3	1,600	317.1	670	77.1	780	118.2
March	760	79.0	840	99.0	1,180	161.4	1,540	275.4	690	71.7	810	110.8
April	730	78.3	1,150	140.0	1,190	168.0	1,550	286.2	710	76.2	740	104.5
May	640	66.4	1,020	120.0	1,250	170.6	1,060	189.2	660	68.4	590	80.5
June	480	51.4	1,190	144.6	1,120	157.8	1,540	283.8	850	91.0	640	90.2
July	690	71.2	880	103.2	1,100	149.0	1,810	320.6	710	73.3	720	97.5
August	650	66.9	1,150	134.6	1,420	191.5	1,270	223.6	650	66.9	740	99.8
September	700	74.4	960	116.0	1,280	178.1	1,600	290.8	640	68.0	710	98.8
October	910	93.5	1,160	135.5	1,370	184.3	1,650	289.9	840	86.3	820	110.3
November	640	67.9	1,380	166.3	1,410	195.8	1,510	273.8	760	80.6	660	91.7
December	690	70.7	880	102.6	1,150	154.4	1,620	284.1	670	68.7	700	94.0
1980:												
January	790	81.1	1,210	141.3	1,080	145.3	1,530	268.8	680	69.8	840	113.0
February	690	75.7	1,150	143.4	1,460	209.8	1,570	294.5	600	65.8	620	89.1
March	880	90.2	1,260	146.9	1,320	177.3	1,700	298.1	690	70.7	820	110.1
April	850	90.0	1,230	148.0	1,120	155.3	1,470	266.2	860	91.0	750	104.0
May	700	71.6	1,150	133.8	1,030	138.1	1,460	255.6	650	66.5	670	89.8
June	810	85.5	1,090	130.9	1,130	156.3	1,380	249.3	750	79.2	590	81.6
July	700	71.3	1,040	120.6	1,090	145.2	1,360	236.4	850	86.6	720	95.9
August	740	75.4	1,050	121.8	1,370	181.7	1,630	282.1	810	82.5	750	99.5
September	680	71.5	1,070	128.1	1,200	164.3	1,470	262.6	830	87.3	600	82.2
October	650	66.0	1,200	138.9	1,420	188.0	1,740	300.6	690	70.1	710	94.0
November	680	71.3	1,050	125.5	1,130	154.4	1,550	276.4	700	73.4	680	92.9
December	640	64.9	1,000	115.5	1,470	194.3	1,600	275.9	940	95.3	780	103.1
1981:												
January	620	62.7	1,020	117.4	1,260	165.9	1,550	266.3	730	73.8	790	104.0
February	650	72.7	1,130	144.0	1,260	183.6	1,470	279.4	750	83.9	800	116.6
March	710	71.7	1,220	140.3	1,420	186.7	1,760	302.0	740	74.7	880	115.7
April	680	70.9	1,040	123.5	1,320	179.2	1,620	287.0	700	73.0	650	88.2
May	750	75.6	1,090	125.1	1,180	154.9	1,660	284.4	740	74.6	850	111.6
June	700	72.8	1,110	131.6	1,280	173.5	1,550	274.2	810	84.3	840	113.9
July	840	84.6	1,010	116.0	1,260	164.8	1,660	283.3	630	63.5	720	94.2
August	880	88.7	1,160	133.3	1,330	173.4	1,460	248.3	730	73.6	700	91.3
September	880	91.5	1,100	130.5	1,300	175.0	1,620	284.4	700	72.8	950	127.8
October	640	64.3	1,100	126.1	1,180	153.5	1,750	297.0	830	83.5	840	109.3
November	750	77.9	1,130	133.8	1,030	138.4	1,410	247.0	900	93.4	680	91.3
December	710	71.3	930	106.5	1,210	157.2	1,310	222.0	840	84.3	940	122.1
1982:												
January	820	82.3	1,090	124.7	1,320	171.3	1,610	272.6	740	74.2	810	105.1
February	730	81.0	1,070	135.4	1,260	180.9	1,500	280.9	790	87.7	740	106.3
March	800	80.1	1,220	139.4	1,480	191.8	1,790	302.6	890	89.2	870	112.8
April	830	85.8	1,040	122.7	1,270	170.0	1,680	293.3	820	84.8	880	117.8
May	700	70.0	1,030	117.5	1,230	159.2	1,490	251.5	730	73.0	790	102.2
June	590	60.9	1,200	141.3	1,110	148.3	1,550	270.1	830	85.7	690	92.2
July	790	78.9	1,020	116.3	1,460	188.2	1,670	280.6	840	83.9	790	101.8
August	790	79.1	1,340	152.7	1,340	171.8	1,580	262.9	840	84.2	720	92.3
September	740	76.5	1,120	131.7	1,120	148.2	1,730	297.2	740	76.5	880	116.4
October	960	96.0	1,010	114.8	1,320	168.9	1,580	262.4	720	72.0	840	107.5
November	660	68.1	1,000	117.4	1,220	161.2	1,420	243.5	800	82.6	830	109.6
December	740	73 9	1,300	147.6	1,180	150.7	1,610	266.9	890	88.8	900	115.0
1983:												
January	510	50.9	1,120	127.1	1,250	159.5	1,690	280.0	880	87.8	790	100.8
February	800	88.3	1,320	165.7	1,120	158.1	1,450	265.8	680	75.0	700	98.8
March	720	71.7	1,170	132.5	1,270	161.9	1,610	266.4	770	76.7	810	103.2
April	670	68.9	1,160	135 7	1,120	147.4	1,610	275.0	860	88.4	820	107.9
May	870	86.5	1,050	118.8	1,290	164.2	1,400	231.3	790	78.6	870	110.7
June	770	79.1	1,150	134.3	1,140	149.8	1,500	255.9	790	81.1	690	90.7
July	700	69.8	1,160	131.1	1,440	182.2	1,860	304.2	890	88.7	860	108.8
August	790	79.0	1,270	143.8	1,510	190.9	1,590	258.9	830	83.0	790	99.8
September	670	69.2	1,090	127.4	1,320	172.2	1,640	275.7	840	86.7	940	122.7
October	630	62 9	1,070	120 9	1,320	166.5	1,770	287.7	830	82.8	960	121.1
November	710	73.2	980	114.3	1,290	168.0	1,660	278.6	810	83.5	1,010	131.6
December	630	62 8	1,000	112.8	1,590	200.3	1,630	264.5	810	80.7	730	92.0
1984:												
January	750	74.9	960	108.5	1,260	159.0	1,760	286.2	900	89.9	860	108.5
February	650	69.3	970	117.1	1,120	151.0	1,830	317.9	680	72.5	710	95.7
March	640	63.8	1,140	128 7	1,260	158.8	1,560	253.3	950	94.7	910	114.7
April	840	86.5	1,100	128.2	1,400	182.2	1,740	291.8	750	77.2	760	98.9
May	820	81.7	1,110	125.1	1,110	139.7	1,540	249.7	750	74.7	800	100.7
June	820	84.3	1,100	128.0	1,240	161.2	1,660	278.0	770	79.2	950	123.5
July	850	84.8	1,180	133.0	1,380	173.2	1,700	273.9	780	77.8	930	116.7
August	790	79.1	1,100	124.3	1,280	160.2	1,730	277.1	940	94.1	690	86.4
September	730	75.4	1,140	133.0	1,330	171 9	1,580	261.3	860	88.9	740	95.6
October	750	74.9	1,130	127.5	1,140	142.4	1,780	284.6	730	72.9	1,030	128.7
November	750	77.4	1,390	161.9	1,250	161.2	1,410	232.7	760	78.4	870	112.2
December	770	76.8	1,240	139.7	1,150	143.4	1,710	272.9	800	79.8	720	89.8

Table 6. Estimated number of deaths and death rates for Malignant neoplasms of digestive organs and peritoneum and Malignant neoplasm of breast, by specified age and sex and by year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	*Malignant neoplasms of digestive organs and peritoneum*								*Malignant neoplasm of breast, female*			
	55–64 years				*65–74 years*							
	Female		*Male*		*Female*		*Male*		*55–64 years*		*65–74 years*	
	Number	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*
1985:												
January	870	86.5	1,250	140.3	1,530	190.2	1,680	267.2	900	89.5	930	115.6
February	610	67.1	1,060	131.6	1,020	140.3	1,440	253.4	840	92.4	830	114.2
March	870	86.4	1,200	134.5	1,340	166.4	1,520	241.5	900	89.4	830	103.0
April	810	83.0	1,240	143.5	1,340	171.8	1,640	269.1	810	83.0	990	126.9
May	900	89.2	1,020	114.2	1,480	183.5	1,690	268.1	840	83.3	760	94.2
June	800	81.9	1,060	122.5	1,150	147.2	2,020	330.9	750	76.8	800	102.4
July	660	65.7	1,220	136.8	1,760	217.4	1,540	242.7	990	98.5	800	98.8
August	820	82.1	1,080	121.9	1,240	152.6	1,630	254.9	770	77.1	830	102.1
September	800	82.7	980	114.1	1,100	139.7	2,060	332.5	870	89.9	910	115.6
October	610	61.0	990	111.5	1,410	173.1	1,870	291.8	870	86.9	960	117.9
November	760	78.4	1,100	127.9	1,160	147.1	1,740	280.4	840	86.7	810	102.7
December	690	68.8	1,100	123.7	1,120	137.3	1,690	263.3	940	93.8	1,020	125.1
1986:												
January	710	70.8	1,310	147.2	1,580	193.6	1,810	281.8	910	90.7	850	104.1
February	640	70.6	1,080	134.2	1,290	174.8	1,660	285.9	760	83.8	890	120.6
March	780	77.6	920	103.2	1,320	161.5	1,610	250.3	870	86.6	930	113.8
April	730	75.0	990	114.7	1,300	164.2	1,790	287.3	670	68.9	970	122.5
May	850	84.5	1,190	133.3	1,270	155.1	1,700	263.9	820	81.5	970	118.5
June	750	77.0	1,220	141.1	1,270	160.2	1,740	278.9	720	73.9	800	100.9
July	910	91.0	1,080	121.6	1,340	162.9	1,430	220.2	980	98.0	940	114.3
August	770	77.7	1,040	118.1	1,380	167.1	1,730	264.4	770	77.7	810	98.1
September	690	71.9	1,070	125.4	1,320	165.0	1,790	282.4	860	89.6	920	115.0
October	640	64.5	1,200	136.0	1,440	174.0	1,750	267.0	790	79.6	940	113.6
November	630	65.5	910	106.5	1,320	164.7	1,700	267.7	880	91.5	900	112.3
December	690	69.4	940	106.4	1,060	127.9	1,510	230.0	930	93.5	830	100.2
1987:												
January	750	75.4	1,110	125.5	1,410	170.0	1,760	267.9	820	82.4	960	115.8
February	730	81.2	1,140	142.7	1,300	173.5	1,570	264.4	750	83.4	860	114.7
March	780	78.3	1,170	132.2	1,470	177.1	1,640	249.3	780	78.3	780	93.9
April	720	74.6	1,010	117.8	1,220	151.7	1,770	277.8	620	64.3	930	115.7
May	670	67.2	940	106.0	1,240	149.2	1,500	227.7	910	91.2	1,010	121.5
June	700	72.4	1,170	136.3	1,330	165.2	1,560	244.5	800	82.8	770	95.6
July	810	81.8	1,090	123.8	1,350	161.5	1,810	272.4	760	76.8	960	114.8
August	700	70.7	1,150	130.5	1,240	148.2	1,770	266.1	850	85.8	900	107.6
September	760	79.2	1,090	127.7	1,300	160.4	1,640	254.6	670	69.8	800	98.7
October	670	67.5	1,190	134.8	1,340	159.8	1,830	274.6	920	92.7	880	105.0
November	650	67.6	920	107.6	1,230	151.5	1,610	249.5	630	65.5	890	109.6
December	610	61.4	1,140	128.9	1,290	153.7	1,520	227.8	810	81.5	910	108.4
1988:												
January	670	68.2	1,010	115.5	1,430	170.5	1,820	272.4	800	81.5	960	114.5
February	710	77.4	1,030	126.0	1,240	157.9	1,460	233.4	810	88.3	890	113.3
March	630	64.3	850	97.3	1,230	146.4	1,770	264.3	870	88.8	1,150	136.9
April	650	68.6	1,110	131.5	1,220	150.0	1,660	256.0	880	92.9	960	118.0
May	840	85.9	1,050	120.5	1,250	148.6	1,810	269.9	780	79.7	870	103.4
June	470	49.7	1,130	134.0	1,310	160.7	1,760	270.8	820	86.7	730	89.6
July	560	57.3	1,020	117.2	1,230	145.9	1,500	223.0	910	93.2	1,000	118.6
August	670	68.7	1,110	127.6	1,160	137.5	1,580	234.6	740	75.9	910	107.8
September	700	74.2	930	110.6	1,310	160.2	1,650	252.8	720	76.4	890	108.9
October	700	71.9	1,320	152.0	1,430	169.1	1,690	250.2	840	86.3	900	106.4
November	660	70.2	1,050	125.1	1,200	146.4	1,580	241.3	760	80.8	940	114.7
December	770	79.3	1,260	145.3	1,400	165.1	1,630	240.5	680	70.0	830	97.9
1989:												
January	670	68.8	1,120	128.8	1,650	193.9	2,050	301.1	760	78.0	990	116.3
February	610	69.4	870	110.8	1,380	179.3	1,800	292.4	880	100.2	980	127.4
March	770	79.3	1,120	129.0	1,230	144.3	1,910	279.9	850	87.5	820	96.2
April	660	70.3	1,050	125.1	1,290	156.2	1,750	264.6	1,000	106.5	1,090	132.0
May	560	57.8	1,190	137.3	1,570	183.7	1,580	230.9	750	77.4	860	100.6
June	500	53.3	1,100	131.2	1,240	149.8	1,680	253.2	800	85.3	870	105.1
July	640	66.1	1,160	134.0	1,190	138.9	1,850	269.5	960	99.2	900	105.1
August	510	52.7	1,080	124.8	1,160	135.3	1,790	260.4	870	90.0	940	109.6
September	640	68.5	830	99.2	1,400	168.5	1,580	237.1	570	61.0	770	92.7
October	640	66.3	1,200	138.8	1,320	153.6	1,890	274.0	880	91.2	930	108.2
November	650	69.6	1,090	130.4	1,190	142.9	1,700	254.4	710	76.1	890	106.9
December	590	61.2	1,110	128.6	1,240	144.0	1,850	267.4	700	72.6	870	101.0

NOTE: Data in this table are for figures 31–36. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for July 1989, volume 38, number 7.

Table 7. Estimated number of deaths and death rates for Diseases of heart, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	45–54 years				55–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	880	86.8	2,990	316.6	2,760	287.2	7,360	869.2	6,360	871.0	10,460	1,873.7
February	900	98.2	2,860	334.9	2,280	262.5	6,640	867.4	5,840	884.8	9,890	1,959.9
March	790	77.8	2,640	279.0	2,690	279.5	6,100	719.2	5,690	778.1	9,370	1,675.6
April	750	76.3	2,890	315.3	2,440	261.7	6,420	781.4	5,700	804.7	8,910	1,645.0
May	720	70.8	2,340	246.9	2,460	255.1	6,090	716.7	5,800	791.7	9,230	1,647.8
June	740	75.1	2,380	259 2	2,460	263.4	6,190	752.1	5,080	715.9	8,470	1,560.9
July	730	72 4	2,570	273.4	2,440	251.8	5,920	694.2	5,130	695.1	8,700	1,540.8
August	670	67.1	2,720	291.8	2,030	209.0	5,570	651.8	4,920	663.4	8,350	1,470.2
September	730	75.5	2,070	229.2	2,330	247.6	5,410	653.5	5,380	748.7	8,260	1,501.1
October	780	77.9	2,400	256.9	2,410	247.5	6,510	760.2	5,670	762.8	9,620	1,690.1
November	830	85.6	2,550	281.8	2,440	258.7	5,930	714.8	5,330	740.3	9,670	1,753.6
December	870	86.8	2,740	292.7	2,470	253.2	6,500	757.5	6,460	867.5	9,340	1,637.7
1980:												
January	910	90.9	2,510	268.7	2,800	287.6	6,540	763.6	6,710	902.6	10,650	1,870.8
February	1,010	107.8	2,640	301.8	2,680	294.0	6,630	826.7	6,530	938.2	10,160	1,906.1
March	900	89.8	2,880	307.7	2,910	298.3	6,700	780.9	6,390	858.2	10,700	1,876.3
April	880	90.6	2,660	293.4	2,490	263.5	6,290	756.9	6,110	847.1	9,740	1,763.5
May	790	78.7	2,390	254.9	2,550	260.9	6,410	745.8	5,960	798.9	10,020	1,753.9
June	770	79.1	2,390	263.1	2,420	255.6	6,100	732.4	5,630	778.9	8,780	1,586.0
July	1,120	112.5	2,940	315.9	2,470	251.8	6,640	770.1	5,820	775.4	8,880	1,543.6
August	790	80.0	2,700	292.4	2,570	261.7	6,230	722.7	5,740	761.4	9,300	1,609.7
September	730	76.3	2,020	225.8	2,460	258.6	5,580	668.2	5,240	717.5	8,680	1,550.9
October	890	89.9	2,570	277.7	2,710	275.4	6,300	729.3	5,820	770.4	9,490	1,639.3
November	590	61.5	2,500	278.9	2,350	246.5	5,710	682.4	5,780	789.8	9,400	1,676.1
December	770	77.7	2,900	312.8	3,190	323.6	7,340	848.2	6,320	835.2	10,100	1,741.6
1981:												
January	960	96.5	2,940	316.1	2,950	298.2	7,440	856.7	7,200	948.1	11,420	1,962.4
February	940	104.6	2,360	280.7	2,620	293.1	6,130	781.0	6,630	966.1	10,480	1,992.3
March	720	72.3	2,840	304.9	2,840	286.7	6,610	760.2	6,410	843.0	10,560	1,811.9
April	780	80.8	2,300	254.9	2,530	263.7	5,680	674.4	5,760	782.0	9,720	1,722.1
May	980	98.2	2,910	311.9	2,960	298.4	6,550	752.0	5,770	757.5	9,730	1,666.8
June	690	71.4	2,640	292.2	2,490	259.1	5,780	685.1	5,650	765.9	9,090	1,607.9
July	870	88 0	2,360	255.1	2,800	282.1	6,040	693.9	5,880	769.1	9,240	1,577.2
August	790	80.5	2,400	261.3	2,690	271.0	6,100	701.0	5,250	684.5	8,280	1,408.0
September	770	81.0	2,390	268.6	2,420	251.7	5,780	685.7	5,790	779.3	9,090	1,595.6
October	730	74.2	2,410	261.8	2,520	253.4	6,350	728.3	5,450	709.1	9,180	1,557.9
November	810	85.1	2,320	260.3	2,320	240.9	5,650	669.0	5,820	781.9	9,130	1,599.7
December	890	90.4	2,430	263.6	2,840	285.1	6,480	742.0	6,690	869.1	9,990	1,692.7
1982:												
January	810	82.2	2,670	289.4	2,680	268.9	6,790	776.9	5,980	776.2	11,330	1,918.3
February	820	92.1	2,350	281.8	2,360	261.9	6,040	764.6	6,170	886.1	8,930	1,672.5
March	840	85.1	2,530	273.8	2,710	271.5	6,190	707.2	6,390	828.2	9,860	1,666.8
April	780	81.6	2,520	281.6	2,510	259.6	6,260	738.4	6,730	900.7	9,870	1,722.9
May	660	66.8	2,310	249.7	2,580	258.0	5,530	630.8	6,580	851.5	9,380	1,583.4
June	700	73.1	2,410	268.9	2,450	253.0	5,870	691.4	5,010	669.4	9,110	1,587.7
July	810	82.5	2,460	267.5	2,980	297.7	5,760	656.6	5,720	737.2	9,740	1,636.4
August	700	71.7	2,350	256.1	2,330	233.4	5,890	671.0	5,250	672.9	8,950	1,489.2
September	700	74 0	2,150	241.9	2,370	245.1	5,450	641.0	5,690	752.9	8,460	1,453.2
October	600	61.3	2,420	263.3	2,640	264.0	6,160	700.5	5,710	730.5	9,900	1,644.1
November	750	79.1	2,310	259.5	2,270	234.3	5,250	616.3	5,680	750.3	9,460	1,622.0
December	830	84.7	2,330	253.1	2,600	259.5	6,440	731.1	6,430	821.3	10,330	1,712.8
1983:												
January	990	100.9	2,540	275.7	2,870	286.3	6,980	791.8	6,030	769.6	10,530	1,744.7
February	670	75.6	2,220	266.6	2,780	306.8	6,340	795.7	6,710	947.4	10,480	1,921.2
March	830	84.5	2,600	281.8	2,640	263.0	6,160	697.8	6,670	850.1	10,110	1,672.8
April	850	89.4	2,280	255.2	2,690	276.6	6,560	767.3	6,120	805.4	10,150	1,733.9
May	720	73.2	2,410	260.8	2,240	222.8	6,000	678.7	5,810	739.4	9,300	1,536.4
June	840	88.2	2,360	263.7	2,420	248.5	6,130	715.9	5,370	705.6	9,120	1,555.6
July	820	83.8	2,270	246.2	3,050	304.0	6,080	687.0	6,130	775.6	9,800	1,603.0
August	820	83.9	2,120	230 3	2,370	237.0	5,600	633.9	5,540	700.2	7,810	1,271.9
September	670	70.8	1,850	207.5	2,270	234.3	5,190	606.5	5,360	699.4	8,960	1,506.3
October	920	94.0	2,120	229.9	2,730	272.5	5,930	670.0	5,710	720.3	9,560	1,553.9
November	810	85.4	2,300	257.5	2,300	237.0	5,600	653.3	5,310	691.7	9,060	1,520.4
December	700	71.4	2,380	257.7	2,750	274.0	5,990	675.7	6,630	835.2	10,570	1,715.4
1984:												
January	710	72.6	2,400	260.4	2,680	267.6	6,480	732.5	7,100	896.2	11,170	1,816.5
February	640	69.9	2,400	278.2	2,210	235.7	5,930	716.1	5,780	779.4	9,290	1,613.8
March	830	84.7	2,270	246.0	2,840	283.2	6,180	697.7	6,670	840.8	10,240	1,663.0
April	720	75.9	2,250	251.7	2,850	293.5	5,990	698.2	5,850	761.5	10,120	1,697.1
May	620	63.2	2,280	246 7	2,230	222.1	5,640	635.8	6,010	756.5	9,630	1,561.5
June	840	88.4	2,250	251 4	2,260	232.4	5,520	642.5	5,650	734.4	9,370	1,568.9
July	680	69.3	2,490	269.4	2,440	243.3	6,030	679.6	5,760	723.0	8,680	1,398.7
August	720	73.5	2,150	233 0	2,480	248 3	5,570	629.5	5,530	692.2	8,780	1,406 3
September	660	69.6	1,920	214.8	2,030	209.8	5,180	604.4	5,670	732.7	8,810	1,456.8
October	620	63.2	2,160	233.6	2,560	255.8	5,510	621.6	5,620	702.1	9,040	1,445.2
November	760	80.0	2,290	255.7	2,430	250.7	5,180	603.3	5,870	757.2	8,680	1,432.6
December	840	85.5	2,340	252.7	2,490	248.4	6,200	698.3	6,290	784.6	9,660	1,541.8

Table 7. Estimated number of deaths and death rates for Diseases of heart, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	45–54 years				55–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	740	75.0	2,580	277.7	2,950	293.3	6,470	726.2	6,930	861.4	10,600	1,686.1
February	800	89.8	2,190	260.8	2,670	293.7	5,580	693.0	6,530	898.1	10,160	1,788.1
March	690	69.9	2,130	228.9	2,370	235.3	6,100	683.8	6,110	758.5	10,130	1,609.4
April	750	78.4	2,230	247.5	2,560	262.5	6,010	695.7	6,280	805.0	10,460	1,716.1
May	720	72.8	2,240	240.4	2,560	253.8	5,720	640.2	5,610	695.4	9,310	1,476.7
June	690	72.1	2,280	252.7	2,530	259.0	5,370	620.6	5,450	697.6	9,030	1,479.1
July	980	99.2	2,100	225.6	2,490	247.7	5,700	639.2	5,570	688.2	9,010	1,419.8
August	680	68.8	1,840	197.4	2,270	227.3	5,100	575.4	5,020	617.6	8,430	1,318.1
September	550	57.4	1,970	218.2	2,360	243.9	5,050	588.2	5,440	690.9	8,810	1,422.2
October	660	66.6	1,950	208.8	2,490	248.8	5,050	568.7	5,540	680.3	9,030	1,409.3
November	680	70.9	2,180	241.0	2,150	221.8	5,440	632.5	5,610	711.3	9,010	1,451.7
December	720	72.6	2,600	277.9	2,420	241.4	5,690	639.8	6,260	767.5	9,310	1,450.7
1986:												
January	580	58.4	2,530	270.2	2,710	270.2	6,030	677.5	6,380	781.7	10,320	1,606.8
February	580	64.6	2,040	241.1	2,530	279.0	5,480	681.1	6,090	825.4	9,510	1,638.1
March	720	72.4	2,380	253.9	2,720	270.8	5,910	663.0	6,860	839.3	10,030	1,559.6
April	690	71.7	2,110	232.4	2,340	240.5	6,060	702.0	6,560	828.7	9,730	1,562.0
May	590	59.3	2,160	230.0	2,250	223.7	5,580	625.1	6,220	759.9	9,620	1,493.5
June	740	76.7	2,210	243.0	2,400	246.3	5,560	643.1	5,410	682.4	8,400	1,346.5
July	740	74.2	1,910	203.0	2,350	235.0	5,360	603.6	5,350	650.4	8,640	1,330.3
August	550	54.9	1,810	191.2	1,840	185.7	5,160	586.0	5,260	636.9	8,200	1,253.2
September	620	63.8	1,930	210.4	2,300	239.6	5,200	609.6	5,410	676.3	8,650	1,364.8
October	640	63.7	1,950	205.5	2,320	233.7	5,340	605.2	5,490	663.5	8,710	1,328.8
November	680	69.9	1,970	214.4	2,390	248.6	5,450	637.9	5,710	712.5	8,730	1,374.9
December	590	58.6	1,720	181.0	2,390	240.4	5,600	633.8	6,210	749.4	9,050	1,378.5
1987:												
January	800	79.5	1,930	203.0	2,500	251.3	5,750	650.3	6,540	788.7	10,790	1,642.4
February	770	84.6	2,100	244.4	2,510	279.1	5,390	674.6	5,710	761.9	9,180	1,546.1
March	750	74.4	2,090	219.6	2,350	235.9	5,570	629.2	6,140	739.6	9,780	1,487.0
April	710	72.7	2,180	236.5	2,400	248.8	5,720	667.2	6,310	784.7	9,600	1,506.9
May	510	50.5	2,190	229.7	2,320	232.6	5,460	615.9	5,890	708.5	9,500	1,442.4
June	690	70.6	2,100	227.5	2,570	266.0	4,870	567.2	5,790	719.0	9,020	1,413.9
July	660	64.9	1,970	205.1	2,160	218.2	5,000	567.9	5,690	680.6	8,730	1,313.8
August	700	68.8	1,980	205.9	2,190	221.1	4,530	514.2	5,290	632.2	8,420	1,266.0
September	760	77.1	1,970	211.5	2,100	218.9	4,520	529.6	5,190	640.3	8,210	1,274.4
October	860	84.4	1,700	176.5	2,000	201.5	5,090	576.6	5,560	663.3	8,720	1,308.7
November	640	64.8	1,850	198.3	2,200	228.9	4,890	572.0	5,410	666.3	8,740	1,354.3
December	770	75.4	1,960	203.1	2,600	261.6	5,080	574.6	5,880	700.4	9,420	1,411.6
1988:												
January	510	49.4	2,140	219.1	2,610	265.8	5,760	658.7	6,140	732.2	9,580	1,434.1
February	760	78.5	2,070	225.9	2,230	243.0	5,990	732.8	6,100	776.9	9,730	1,555.4
March	760	73.2	2,260	230.0	2,710	276.5	5,070	580.6	6,270	746.3	10,150	1,515.9
April	650	64.5	1,880	197.1	2,520	266.0	5,520	653.8	5,820	715.5	9,730	1,500.5
May	680	65.1	1,960	198.3	2,310	236.2	5,000	573.6	5,590	664.4	9,080	1,354.1
June	500	49.3	1,790	186.5	2,160	228.4	5,020	595.4	4,910	602.5	8,380	1,289.4
July	640	60.9	2,170	218.1	2,100	215.1	4,440	510.0	5,560	659.6	8,430	1,253.3
August	650	61.7	2,090	209.5	2,020	207.1	4,990	573.7	5,290	626.9	8,250	1,225.2
September	630	61.6	1,760	181.9	2,090	221.7	4,520	537.3	5,270	644.6	7,970	1,221.1
October	650	61.4	1,730	172.6	2,330	239.4	4,540	522.7	5,800	685.7	9,560	1,415.1
November	630	61.3	1,910	196.4	2,110	224.3	4,750	565.8	5,100	622.4	8,590	1,311.9
December	760	71.4	2,110	209.4	2,260	232.7	5,230	603.3	5,870	692.5	8,810	1,300.0
1989:												
January	480	44.9	1,970	194.4	2,220	228.0	4,990	573.6	6,200	728.5	9,180	1,348.6
February	750	77.4	2,070	225.6	2,220	252.7	4,850	617.9	5,730	744.7	8,370	1,359.4
March	780	72.5	2,140	210.1	2,160	222.3	5,090	586.3	5,730	672.0	9,320	1,365.9
April	610	58.5	2,190	221.7	2,110	224.6	4,700	559.9	5,450	659.8	8,690	1,314.2
May	660	61.1	1,850	180.8	2,150	221.8	4,950	571.0	5,000	585.1	8,940	1,306.3
June	740	70.6	1,720	173.2	2,160	230.4	4,680	558.3	5,230	631.7	7,990	1,204.5
July	680	62.6	1,830	177.9	2,280	235.7	4,770	551.1	5,150	601.2	8,200	1,194.5
August	480	44.1	1,820	176.6	1,910	197.6	4,100	473.9	5,230	610.0	7,450	1,083.6
September	670	63.5	1,550	155.1	1,950	208.6	4,380	523.4	4,710	567.0	7,280	1,092.7
October	620	56.7	1,980	191.3	1,890	195.8	4,820	557.7	4,970	578.3	8,320	1,206.4
November	710	67.0	1,910	190.3	1,920	205.7	4,270	510.8	4,890	587.4	7,800	1,167.3
December	730	66.5	2,030	195.3	2,100	217.9	4,810	557.1	5,950	690.8	9,470	1,369.0

NOTE: Data in this table are for figures 37–42. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for August 1989, volume 38, number 8.

Table 8. Estimated number of deaths and death rates for Cerebrovascular diseases and Septicemia, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Cerebrovascular diseases								Septicemia			
	55–64 years				65–74 years				75–84 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	610	63.5	710	83 8	1,460	199.9	1,800	322.4	130	32.5	60	*25.2
February	610	70 2	810	105.8	1,380	209.1	1,510	299.2	110	30.4	160	74.5
March	580	60.3	620	73.1	1,360	186.0	1,240	221.7	100	*25.0	40	*16.8
April	510	54 7	820	99.8	1,350	190.6	1,360	251.1	100	*25.8	100	*43.3
May	510	52.9	750	88.3	1,350	184.3	1,470	262.4	110	27.4	70	*29.3
June	540	57.8	540	65.6	1,260	177.5	1,370	252.5	70	*18.0	90	*38.9
July	390	40.2	510	59.8	1,370	185.6	1,390	246.2	100	*24.7	110	45.8
August	310	31.9	600	70 2	1,330	179.3	1,380	243.0	120	29.4	90	*37.2
September	470	49.9	690	83.3	1,150	160.0	1,240	225.3	80	*20.2	110	47.0
October	440	45.2	580	67.7	1,560	209.9	1,210	212.6	110	26.9	50	*20.6
November	460	48.8	560	67.5	1,500	208.3	1,530	277.5	160	40.4	110	46.9
December	500	51.3	660	76.9	1,470	197.4	1,480	259.5	120	29.3	80	*33.0
1980:												
January	580	59.6	750	87.6	1,440	193.7	1,650	289.8	70	*17.1	70	*28.9
February	570	62.5	750	93.5	1,500	215.5	1,470	275.8	110	28.7	60	*26.5
March	620	63.6	750	87.4	1,500	201.4	1,610	282.3	90	*21.9	140	57.7
April	460	48 7	690	83.0	1,500	207.9	1,530	277.0	70	*17.6	140	59.6
May	510	52.2	650	75.6	1,240	166.2	1,410	246.8	140	34.1	80	*32.9
June	520	54.9	700	84.0	1,300	179.9	1,220	220.4	120	30.1	50	*21.2
July	530	54.0	510	59.1	1,480	197.2	1,120	194.7	140	33.8	120	49.1
August	390	39.7	610	70.8	1,400	185.7	1,560	270.0	70	*16.7	60	*24.3
September	520	54.7	550	65.9	1,220	167.0	1,350	241.2	180	44.3	90	*37.6
October	570	57.9	700	81.0	1,550	205.2	1,520	262.6	150	35.7	100	*40.4
November	530	55.6	540	64.5	1,370	187.2	1,450	258.5	70	*17.2	120	50.0
December	610	61.9	650	75.1	1,350	178.4	1,670	288.0	150	35.6	110	44.4
1981:												
January	750	75.8	670	77.1	1,700	223.9	1,830	314.5	100	*23.7	140	56.3
February	710	79.4	700	89.2	1,260	183.6	1,590	302.3	160	41.9	50	*22.2
March	690	69.7	570	65.5	1,640	215.7	1,550	266.0	150	35.5	50	*20.1
April	500	52.1	620	73.6	1,240	168.4	1,430	253.4	110	26.9	140	58.0
May	470	47.4	550	63.1	1,400	183.8	1,320	226.1	160	37.8	100	*40.1
June	460	47.9	620	73 5	1,010	136.9	1,340	237.0	120	29.2	120	49.6
July	400	40.3	600	68.9	1,150	150.4	1,280	218.5	70	*16.3	60	*23.8
August	550	55.4	540	62.0	1,180	153.9	1,290	219.4	160	37.0	70	*27.5
September	420	43.7	600	71.2	1,300	175.0	1,360	238.7	110	26.2	20	*8.1
October	660	66.4	690	79.1	1,600	208.2	1,340	227.4	160	36.9	230	90.3
November	410	42.6	690	81.7	1,450	194.8	1,220	213.8	160	38.1	110	44.6
December	600	60.2	740	84.7	1,340	174.1	1,540	260.9	210	48.3	150	58.8
1982:												
January	490	49.2	620	70.9	1,470	190.8	1,570	265.8	180	41.4	180	70.5
February	430	47.7	590	74.7	1,400	201.0	1,350	252.8	140	35.6	180	78.0
March	580	58.1	630	72.0	1,370	177.6	1,420	240.0	190	43.6	100	*39.1
April	450	46.5	520	61.3	1,270	170.0	1,290	225.2	130	30.8	160	64.6
May	480	48.0	530	60.4	1,250	161.8	1,620	273.5	100	*22.9	120	46.8
June	550	56.8	580	68.3	1,100	147.0	1,110	193.4	200	47.4	40	*16.1
July	390	39.0	560	63.8	1,160	149.5	1,360	228.5	130	29.5	120	46.3
August	370	37 1	580	66.1	1,140	146.1	1,120	186.4	130	29.3	120	46.0
September	470	48.6	470	55.3	1,080	142.9	1,350	231.9	150	35.0	130	51.4
October	460	46.0	520	59.1	1,440	184.2	1,430	237.5	190	42.8	80	*30.6
November	480	49.5	590	69.3	1,100	145.3	1,300	222.9	140	32.6	110	43.4
December	620	61.9	680	77.2	1,310	167.3	1,480	245.4	80	*18.0	150	57.2
1983.												
January	560	55 9	700	79.4	1,370	174.8	1,580	261.8	170	38.2	200	76.3
February	590	65.1	700	87 8	1,300	183.6	1,310	240.1	220	54.7	150	63.3
March	510	50.8	430	48.7	1,300	165.7	1,380	228.3	180	40.4	130	49.5
April	490	50.4	530	62.0	1,290	169.8	1,280	218.7	160	37.1	170	66.8
May	330	32.8	530	59.9	1,350	171.8	1,190	196.6	190	42.6	120	45.6
June	630	64.7	610	71.2	1,110	145.9	1,130	192.7	160	37.0	100	*39.2
July	650	64.8	500	56.5	1,200	151.8	1,290	211.0	160	35.7	190	71.6
August	550	55.0	400	45.3	1,040	131.4	1,440	234.5	190	42.1	170	63.6
September	610	63.0	600	70.1	1,050	137.0	970	163.1	190	43.4	260	100.4
October	440	43.9	530	59.9	1,120	141.3	1,210	196.7	190	42.0	150	56.0
November	430	44.3	560	65.3	1,290	168.0	1,180	198.0	210	47.9	140	53.9
December	630	62 8	540	60.9	1,270	160.0	1,540	249.9	190	41.9	150	55.9
1984:												
January	630	62.9	780	88.2	1,310	165.4	1,470	239.0	200	44.2	200	74.7
February	640	68.3	560	67.6	1,090	147.0	1,470	255.4	230	54.3	160	63.8
March	390	38.9	700	79.0	1,450	182.8	1,520	246.8	220	48.6	140	52.2
April	460	47.4	540	62.9	1,200	156.2	1,770	296.8	170	38.7	150	57.8
May	500	49.8	600	67.6	1,180	148.5	1,280	207.6	160	35.3	130	48.4
June	440	45.2	640	74 5	1,170	152.1	1,230	205.9	150	34.1	150	57.7
July	620	61.8	600	67.6	1,180	148.1	1,110	178.9	220	48.0	90	*33.2
August	460	46.0	490	55.4	1,000	125.2	1,150	184.2	200	43.3	160	58.4
September	550	56.8	540	63.0	1,190	153.8	1,080	178.6	190	42.5	220	82.9
October	420	42.0	460	51.9	1,260	157.4	1,180	188.6	190	41.1	210	76.5
November	380	39.2	560	65 2	990	127.7	1,250	206.3	230	51.3	150	56.4
December	440	43.9	550	61.9	1,450	180.9	1,380	220.3	350	75.6	180	65.5

Table 8. Estimated number of deaths and death rates for Cerebrovascular diseases and Septicemia, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Cerebrovascular diseases								Septicemia			
	55–64 years				65–74 years				75–84 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	460	45.7	710	79.7	1,200	149.2	1,630	259.3	240	51.6	250	90.6
February	430	47.3	660	82.0	1,360	187.0	1,470	258.7	220	52.4	200	80.2
March	500	49.6	530	59.4	1,180	146.5	1,250	198.6	220	47.3	160	57.9
April	570	58.4	630	72.9	1,330	170.5	1,490	244.4	270	59.9	170	63.6
May	430	42.6	560	62.7	1,190	147.5	1,220	193.5	180	38.6	200	72.3
June	480	49.1	570	65.9	1,100	140.8	1,170	191.6	290	64.3	230	85.9
July	410	40.8	550	61.7	1,050	129.7	1,110	174.9	280	59.5	190	68.0
August	510	51.1	690	77.9	1,190	146.4	770	120.4	220	46.4	220	77.9
September	430	44.4	500	58.2	1,110	141.0	1,170	188.9	240	52.3	220	80.4
October	490	49.0	410	46.2	1,120	137.5	1,310	204.4	270	56.8	140	49.5
November	470	48.5	460	53.5	1,170	148.3	1,090	175.6	230	50.0	170	62.0
December	300	29.9	600	67.5	1,210	148.4	1,260	196.3	280	58.8	240	84.7
1986:												
January	510	50.8	670	75.3	1,300	159.3	1,290	200.8	240	50.4	270	95.2
February	410	45.2	450	55.9	1,290	174.8	1,110	191.2	320	74.4	210	81.9
March	470	46.8	460	51.6	1,200	146.8	1,160	180.4	330	69.2	240	84.5
April	420	43.2	550	63.7	1,340	169.3	1,230	197.5	260	56.3	170	61.8
May	490	48.7	640	71.7	1,330	162.5	1,030	159.9	250	52.3	290	102.0
June	290	29.8	510	59.0	1,100	138.7	1,050	168.3	250	54.0	220	79.8
July	530	53.0	460	51.8	1,080	131.3	1,210	186.3	200	41.5	140	48.7
August	420	42.4	380	43.2	1,150	139.2	1,010	154.4	240	49.4	150	51.6
September	300	31.2	450	52.7	1,380	172.5	1,020	160.9	210	44.6	230	81.7
October	590	59.4	510	57.8	1,180	142.6	940	143.4	370	76.0	260	89.2
November	450	46.8	580	67.9	1,030	128.5	1,300	204.7	340	72.1	140	49.6
December	400	40.2	360	40.7	1,140	137.6	1,230	187.4	260	53.3	230	78.8
1987:												
January	570	57.3	690	78.0	1,400	168.8	1,190	181.1	330	67.7	220	75.4
February	500	55.6	550	68.8	1,150	153.4	1,180	198.7	250	56.7	220	83.4
March	620	62.2	490	55.4	1,220	146.9	1,170	177.9	230	47.1	240	82.1
April	420	43.5	440	51.3	1,140	141.8	1,160	182.1	250	52.9	190	67.1
May	400	40.1	460	51.9	1,040	125.1	990	150.3	250	51.1	220	75.2
June	430	44.5	350	40.8	1,100	136.6	920	144.2	230	48.6	150	52.9
July	410	41.4	600	68.1	1,110	132.8	1,130	170.0	370	75.0	200	67.5
August	400	40.4	570	64.7	1,230	147.0	1,070	160.9	210	42.5	270	91.0
September	370	38.6	370	43.3	1,010	124.6	960	149.0	300	62.7	240	83.5
October	430	43.3	410	46.4	1,240	147.9	1,070	160.6	330	66.7	300	101.0
November	380	39.5	590	69.0	1,210	149.0	1,210	187.5	310	64.7	210	73.0
December	520	52.3	380	43.0	1,120	133.4	1,030	154.3	350	70.6	280	94.1
1988:												
January	370	37.7	610	69.8	1,320	157.4	1,190	178.1	340	68.2	240	80.0
February	370	40.3	660	80.7	1,320	168.1	1,230	196.6	350	75.0	310	110.2
March	480	49.0	560	64.1	1,310	155.9	1,220	182.2	390	78.0	230	76.3
April	530	55.9	530	62.8	1,130	138.9	1,140	175.8	260	53.6	280	95.9
May	450	46.0	560	64.2	1,180	140.2	1,250	186.4	250	49.8	150	49.6
June	430	45.5	470	55.7	1,080	132.5	1,120	172.3	330	67.8	190	64.8
July	470	48.1	450	51.7	1,220	144.7	1,140	169.5	260	51.6	240	79.0
August	290	29.7	530	60.9	1,010	119.7	920	136.6	260	51.6	180	59.1
September	450	47.7	360	42.8	1,000	122.3	1,110	170.1	340	69.5	230	77.9
October	510	52.4	480	55.3	1,140	134.8	1,080	159.9	240	47.4	260	84.9
November	400	42.5	420	50.0	1,040	126.9	1,270	194.0	260	53.0	310	104.4
December	410	42.2	480	55.4	1,270	149.8	950	140.2	240	47.2	220	71.5
1989:												
January	350	35.9	530	60.9	1,080	126.9	1,060	155.7	240	47.1	270	87.4
February	470	53.5	480	61.2	1,180	153.4	1,320	214.4	290	62.9	210	75.1
March	410	42.2	480	55.3	1,110	130.2	1,280	187.6	280	54.7	240	77.4
April	520	55.4	460	54.8	1,090	132.0	1,310	198.1	380	76.6	210	69.9
May	500	51.6	450	51.9	1,200	140.4	1,140	166.6	270	52.6	180	57.8
June	390	41.6	430	51.3	1,040	125.6	1,110	167.3	270	54.3	240	79.5
July	290	30.0	570	65.9	1,030	120.2	1,030	150.0	240	46.6	270	86.2
August	430	44.5	560	64.7	970	113.1	970	141.1	290	56.2	140	44.6
September	340	36.4	390	46.6	1,020	122.8	890	133.6	220	44.0	160	52.6
October	340	35.2	500	57.8	990	115.2	1,130	163.8	280	54.1	230	72.9
November	420	45.0	480	57.4	1,020	122.5	1,030	154.1	210	41.8	220	71.9
December	540	56.0	450	52.1	1,310	152.1	1,240	179.3	410	78.9	280	88.3

NOTE: Data in this table are for figures 43–48. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for September 1989, volume 38, number 9.

Table 9. Estimated number of deaths and death rates for Motor vehicle accidents, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	25–34 years				35–44 years				45–54 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	100	*6.6	610	40.9	80	*7.5	350	34.0	70	*6.9	220	23.3
February	190	13.8	510	37.8	70	*7.2	260	27.9	60	*6.5	230	26.9
March	160	10.5	690	46.2	100	*9.3	270	26.2	110	10.8	210	22.2
April	150	10.2	560	38.7	110	10.6	290	29.0	90	*9.1	220	24.0
May	150	9.8	480	32.1	140	13.0	250	24.2	110	10.8	240	25.3
June	180	12.2	600	41.4	70	*6.7	310	31.0	30	*3.0	170	18.5
July	190	12.3	660	43.5	90	*8.3	390	37.3	110	10.9	210	22.3
August	130	8.3	610	39.6	110	10.0	360	34.1	110	11.0	160	17.2
September	170	11.2	710	47.6	90	*8.5	370	36.2	140	14.5	230	25.5
October	170	10.8	790	51.2	90	*8.2	370	35.0	110	11.0	260	27.8
November	230	15.1	710	47.5	90	*8.4	350	34.2	30	*3.1	250	27.6
December	200	12.7	670	43.3	120	10.9	410	38.7	150	15.0	290	31.0
1980:												
January	190	12.1	550	35.6	180	16 4	240	22.7	100	*10.0	290	31.0
February	270	18.4	550	38.1	30	*2.9	300	30.3	80	*8.5	250	28.6
March	160	11.4	540	34.9	100	*9.1	180	17.0	50	*5.0	280	29.9
April	180	11.8	670	44.7	60	*5.6	280	27.3	150	15.4	300	33.1
May	150	9.5	890	57.5	120	10.9	250	23.5	70	*7.0	140	14.9
June	180	11.8	720	48.0	100	*9.3	420	40.8	100	*10.3	380	41.8
July	190	11.9	690	43.8	70	*6.3	270	25.2	90	*9.0	250	26.9
August	170	10.5	800	50.1	80	*7.1	300	27.7	100	*10.1	290	31.4
September	210	13.4	1,030	66.6	160	14.7	320	30.5	120	12.5	300	33.5
October	240	14.8	680	42.5	150	13.3	360	33.2	100	*10.1	250	27.0
November	260	16.5	680	43.8	50	*4.6	370	35.2	190	19.8	320	35.7
December	170	10.4	540	33.7	140	12.4	330	30.4	150	15.1	320	34.5
1981:												
January	140	8.6	670	41.6	160	14.1	400	36.7	70	*7.0	300	32.2
February	120	8.1	640	44.0	90	*8.8	430	43.6	110	12.2	280	33.3
March	100	*6.1	610	37.9	100	*8.8	360	33.0	70	*7.0	220	23.6
April	170	10.7	620	39.7	80	*7.3	320	30.3	150	15.5	200	22.2
May	270	16.5	800	49.6	110	9.7	350	32.0	70	*7.0	200	21.4
June	210	13.2	630	40.3	70	*6.4	320	30.2	60	*6.2	290	32.1
July	190	11.4	820	50.1	110	9.6	310	28.1	90	*9.1	130	14.0
August	260	15.6	780	47.5	190	16.2	350	30.9	80	*8.1	260	28.3
September	270	16.8	760	47.8	160	14.1	240	21.9	110	11.6	190	21.4
October	250	15.0	660	40.1	150	12.7	390	34.3	110	11.2	180	19.5
November	160	9.9	700	43.9	120	10.5	330	30.0	80	*8.4	270	30.3
December	240	14.4	670	40.6	110	9.3	400	35.2	100	*10.1	250	27.1
1982:												
January	200	12.0	570	34.5	90	*7.6	280	24.6	50	*5.1	210	22.8
February	150	9 9	450	30.2	50	*4.7	310	30.1	50	*5.6	140	16.8
March	160	9.6	530	32.1	70	*5.9	320	28.1	70	*7.1	170	18.4
April	140	8.6	530	33.1	90	*7.9	300	27.2	80	*8.4	190	21.2
May	220	13.1	510	30.8	40	*3.4	200	17.5	100	*10.1	200	21.6
June	230	14 2	720	44.9	140	12.2	280	25.3	80	*8.3	250	27.9
July	210	12 5	780	46.9	120	9.9	390	33.2	110	11.2	210	22.8
August	210	12.4	720	43 0	140	11.3	290	24.3	120	12.3	140	15.3
September	220	13 4	720	44.4	100	*8.3	250	21.6	40	*4.2	210	23.6
October	260	15.3	640	38.2	100	*8.1	340	28.4	90	*9.2	260	28.3
November	130	7.9	540	33.3	70	*5.8	350	30.2	60	*6.3	200	22.5
December	220	12.9	580	34.6	130	10.5	270	22.5	120	12.2	230	25.0
1983:												
January	220	12.9	340	20.2	20	*1.6	320	26.7	100	*10.2	240	26.0
February	160	10.4	490	32 3	60	*5.3	200	18.4	20	*2.3	240	28.8
March	200	11.7	400	23 8	60	*4.8	250	20.8	90	*9.2	140	15.2
April	110	6.7	480	29.5	50	*4.1	290	24.9	50	*5.3	180	20.1
May	180	10 5	630	37.4	110	8.8	350	29.1	100	*10.2	200	21.6
June	150	9.1	540	33.1	70	*5.8	200	17.1	60	*6.3	150	16.8
July	240	14.0	710	41.9	80	*6.3	280	22.8	50	*5.1	190	20.6
August	140	8 1	760	44.4	130	10.1	290	23.3	100	*10.2	190	20.6
September	150	9.0	630	37.9	90	*7.2	350	29.0	70	*7.4	260	29.2
October	170	9.8	590	34.4	100	*7.7	360	28.8	130	13.3	170	18.4
November	110	6.6	640	38.5	90	*7.2	360	29.8	60	*6.3	180	20.1
December	190	10.9	560	32.6	130	10.0	300	24.0	50	*5.1	180	19.5
1984:												
January	140	8.1	470	27.4	70	*5.4	230	18.4	80	*8.2	180	19.5
February	90	*5.6	500	31.1	70	*5.8	290	24.8	80	*8.7	210	24.3
March	110	6.3	440	25.6	130	10.1	380	30.4	40	*4.1	230	24.9
April	170	10.1	420	25.2	90	*7.2	230	19.0	70	*7.4	190	21.3
May	150	8.6	700	40.7	140	10.8	320	25.6	80	*8.1	130	14.1
June	120	7.1	760	45 6	180	14 4	340	28.1	80	*8.4	190	21.2
July	140	8.0	790	45.3	120	9.1	400	31.4	80	*8.1	300	32.5
August	160	9.1	790	45.1	130	9.7	330	25.5	80	*8.2	270	29.3
September	160	9.4	770	45.3	120	9.3	400	31.9	90	*9.5	250	28.0
October	180	10.2	620	35.3	140	10.5	340	26.2	30	*3.1	210	22.7
November	110	6.4	650	38.2	100	*7.7	350	27.9	110	11.6	260	29.0
December	130	7.4	600	34.1	100	*7.4	420	32.4	70	*7.1	240	25.9

Table 9. Estimated number of deaths and death rates for Motor vehicle accidents, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	25–34 years				35–44 years				45–54 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	170	9.6	460	26.1	140	10.4	310	23.8	20	*2.0	130	14.0
February	150	9.4	370	23.2	50	*4.1	220	18.7	70	*7.8	90	*10.7
March	140	7.9	480	27.2	110	8.2	340	26.1	80	*8.1	200	21.5
April	150	8.7	610	35.6	160	12.3	270	21.4	60	*6.3	240	26.6
May	140	7.9	610	34.5	100	*7.4	310	23.7	70	*7.1	150	16.1
June	180	10.5	600	35.0	120	9.2	420	33.2	90	*9.4	170	18.8
July	160	8.9	710	39.8	120	8.7	440	33.1	20	*2.0	210	22.6
August	160	8.9	570	31.8	140	10.1	310	23.0	110	11.1	190	20.4
September	170	9.8	710	40.9	180	13.3	330	25.2	70	*7.3	230	25.5
October	190	10.6	600	33.4	70	*5.0	320	23.7	50	*5.0	100	*10.7
November	150	8.6	410	23.6	140	10.4	330	25.2	150	15.6	280	31.0
December	170	9.4	430	23.9	90	*6.4	210	15.5	80	*8.1	170	18.2
1986:												
January	200	11.1	460	25.5	130	9.3	320	23.6	130	13.1	260	27.8
February	160	9.8	300	18.4	120	9.5	180	14.7	20	*2.2	160	18.9
March	210	11.6	470	26.1	160	11.4	310	22.8	80	*8.0	220	23.5
April	140	8.0	690	39.5	90	*6.6	290	22.0	50	*5.2	150	16.5
May	260	14.4	830	46.0	100	*7.1	400	29.4	110	11.0	160	17.0
June	220	12.6	710	40.6	60	*4.4	320	24.3	100	*10.4	200	22.0
July	260	14.3	940	51.7	140	9.8	350	25.3	70	*7.0	190	20.2
August	240	13.2	670	36.8	170	11.8	400	28.5	100	*10.0	220	23.2
September	190	10.8	800	45.3	160	11.4	250	18.4	60	*6.2	210	22.9
October	200	11.0	740	40.6	60	*4.1	460	32.7	90	*8.9	220	23.2
November	210	11.9	590	33.4	150	10.7	340	25.0	90	*9.2	310	33.7
December	110	6.0	570	31.2	90	*6.2	370	26.3	150	14.9	290	30.5
1987:												
January	160	8.7	540	29.5	130	8.9	300	21.3	60	*6.0	220	23.1
February	210	12.7	430	26.0	120	9.1	260	20.4	70	*7.7	150	17.5
March	250	13.7	450	24.6	100	*6.9	340	24.1	80	*7.9	210	22.1
April	220	12.4	700	39.5	100	*7.1	330	24.1	60	*6.1	200	21.7
May	90	*4.9	620	33.8	90	*6.2	340	24.1	150	14.9	200	21.0
June	150	8.4	700	39.4	120	8.5	380	27.8	50	*5.1	190	20.6
July	230	12.5	790	42.9	70	*4.7	350	24.4	110	10.8	310	32.3
August	240	13.0	660	35.8	160	10.8	370	25.7	140	13.8	200	20.8
September	160	9.0	740	41.5	90	*6.3	390	28.0	110	11.2	190	20.4
October	120	6.5	690	37.4	110	7.4	320	22.2	100	*9.8	270	28.0
November	240	13.4	630	35.2	160	11.1	350	25.1	120	12.2	260	27.9
December	230	12.5	640	34.6	210	14.2	330	22.9	110	10.8	150	15.5
1988:												
January	210	11.4	510	27.7	120	8.0	370	25.5	80	*7.7	160	16.4
February	210	12.2	550	31.9	110	7.9	270	19.8	110	11.3	140	15.3
March	210	11.4	600	32.5	80	*5.3	450	30.8	90	*8.7	190	19.3
April	190	10.7	670	37.5	150	10.3	390	27.5	50	*5.0	170	17.8
May	150	8.1	650	35.2	140	9.3	380	25.9	80	*7.7	200	20.2
June	190	10.6	690	38.6	110	7.5	450	31.6	70	*6.9	290	30.2
July	200	10.8	750	40.5	130	8.6	350	23.8	140	13.3	200	20.1
August	190	10.3	630	34.0	230	15.2	280	18.9	80	*7.6	190	19.0
September	220	12.3	740	41.3	150	10.2	460	32.1	100	*9.8	120	12.4
October	260	14.1	760	41.0	170	11.1	320	21.5	170	16.0	260	25.9
November	200	11.2	630	35.1	120	8.1	370	25.6	80	*7.8	260	26.7
December	180	9.7	650	35.1	170	11.1	310	20.7	140	13.2	260	25.8
1989:												
January	130	7.0	560	30.1	100	*6.5	360	23.9	70	*6.5	230	22.7
February	90	*5.4	570	33.9	70	*5.0	300	22.0	90	*9.3	280	30.5
March	270	14.5	560	30.1	130	8.4	290	19.2	140	13.0	160	15.7
April	240	13.3	620	34.4	130	8.6	320	21.8	130	12.5	190	19.2
May	190	10.2	560	30.1	70	*4.5	480	31.5	110	10.2	210	20.5
June	190	10.5	560	31.0	120	7.9	430	29.1	150	14.3	220	22.2
July	230	12.4	590	31.6	130	8.3	310	20.2	100	*9.2	220	21.4
August	220	11.8	700	37.5	150	9.5	300	19.5	80	*7.3	220	21.3
September	280	15.5	720	39.9	130	8.5	300	20.1	120	11.4	290	29.0
October	270	14.5	510	27.4	220	13.9	300	19.4	90	*8.2	270	26.1
November	210	11.7	640	35.5	140	9.1	380	25.3	90	*8.5	250	24.9
December	220	11.8	650	34.9	180	11.3	350	22.5	110	10.0	270	26.0

NOTE: Data in this table are for figures 49–54. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for October 1989, volume 38, number 10.

Table 10. Estimated number of deaths and death rates for Malignant neoplasms of genital organs and Pneumonia and influenza, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Malignant neoplasms of genital organs, male				Pneumonia and influenza							
					55–64 years				65–74 years			
	55–64 years		65–74 years		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	170	20.1	580	103.9	90	*9.4	200	23.6	310	42.4	550	98.5
February	190	24.8	690	136.7	70	*8.1	290	37.9	250	37.9	400	79.3
March	170	20 0	650	116.2	170	17.7	220	25.9	230	31.4	430	76.9
April	150	18.2	450	83.1	110	11.8	210	25.5	250	35.3	350	64.6
May	140	16.5	600	107.1	120	12.4	140	16.5	190	25.9	210	37.5
June	170	20.6	490	90.3	60	*6.4	190	23.1	180	25.4	290	53.4
July	240	28.1	580	102.7	80	*8.3	120	14.1	70	*9.5	400	70.8
August	140	16.4	610	107.4	50	*5.1	210	24.6	160	21.6	300	52.8
September	140	16.9	590	107.2	40	*4.2	130	15.7	210	29.2	230	41.8
October	180	21.0	780	137.0	90	*9.2	230	26.9	180	24.2	420	73.8
November	230	27.7	550	99.7	70	*7.4	140	16.9	230	31.9	430	78.0
December	140	16.3	600	105.2	100	*10.2	280	32.6	270	36.3	360	63.1
1980:												
January	180	21.0	700	123.0	120	12.3	170	19.8	350	47.1	480	84.3
February	140	17.5	590	110.7	180	19.7	270	33.7	240	34.5	630	118.2
March	200	23.3	590	103.4	140	14.3	360	42.0	470	63.1	500	87.7
April	190	22.9	620	112.3	120	12.7	260	31.3	300	41.6	500	90.5
May	230	26.8	590	103.3	100	*10.2	220	25.6	180	24.1	430	75.3
June	130	15.6	460	83.1	70	*7.4	70	*8.4	140	19.4	250	45.2
July	220	25.5	610	106.0	90	*9.2	120	13.9	240	32.0	270	46.9
August	170	19.7	640	110.8	70	*7.1	100	*11.6	160	21.2	470	81.3
September	160	19.2	450	80.4	120	12.6	220	26.3	200	27.4	270	48.2
October	240	27.8	680	117.5	160	16.3	180	20.8	230	30.4	360	62.2
November	170	20.3	620	110.5	130	13.6	150	17.9	290	39.6	400	71.3
December	150	17 3	610	105.2	150	15.2	300	34.7	310	41.0	540	93.1
1981:												
January	250	28.8	440	75.6	260	26.3	420	48.4	560	73.7	830	142.6
February	150	19.1	630	119.8	120	13.4	360	45.9	440	64.1	760	144.5
March	260	29.9	640	109.8	130	13.1	270	31.0	270	35.5	470	80.6
April	210	24.9	570	101.0	100	*10.4	200	23.7	210	28.5	390	69.1
May	140	16.1	730	125.1	100	*10.1	180	20.7	300	39.4	400	68.5
June	230	27.3	550	97.3	140	14.6	170	20.1	170	23.0	330	58.4
July	160	18.4	520	88.8	130	13.1	180	20.7	180	23.5	400	68.3
August	190	21.8	520	88.4	60	*6.0	210	24.1	210	27.4	270	45.9
September	150	17.8	730	128.1	110	11.4	170	20.2	170	22.9	370	64.9
October	230	26 4	730	123.9	110	11.1	260	29.8	180	23.4	390	66.2
November	180	21.3	460	80.6	50	*5.2	260	30.8	210	28.2	300	52.6
December	200	22.9	530	89.8	90	*9.0	250	28.6	220	28.6	410	69.5
1982:												
January	270	30.9	750	127.0	140	14.0	230	26.3	260	33.7	450	76.2
February	180	22.8	500	93.6	120	13.3	240	30.4	260	37.3	420	78.7
March	280	32.0	640	108.2	130	13.0	300	34.3	260	33.7	460	77.8
April	230	27.1	610	106.5	50	*5.2	160	18.9	350	46.8	430	75.1
May	240	27.4	570	96.2	140	14.0	210	23.9	280	36.2	420	70.9
June	190	22.4	690	120.2	130	13.4	120	14.1	280	37.4	320	55.8
July	180	20.5	790	132.7	70	*7.0	150	17.1	320	41.2	410	68.9
August	250	28.5	690	114.8	60	*6.0	320	36.5	180	23.1	330	54.9
September	240	28.2	700	120.2	60	*6.2	150	17.6	130	17.2	330	56.7
October	160	18.2	610	101.3	80	*8.0	210	23.9	220	28.1	560	93.0
November	180	21.1	610	104.6	70	*7.2	200	23.5	230	30.4	360	61.7
December	210	23.8	740	122.7	140	14.0	210	23.8	230	29.4	480	79.6
1983:												
January	220	24.9	640	106.0	190	18.9	220	24.9	260	33.2	510	84.5
February	140	17.6	680	124.6	190	21.0	250	31.4	290	40.9	480	88.0
March	200	22.7	720	119.1	130	12.9	260	29.4	280	35.7	550	91.0
April	170	19.9	520	88.8	110	11.3	200	23.4	320	42.1	420	71.7
May	150	17.0	670	110.7	50	*5.0	160	18.1	230	29.3	480	79.3
June	150	17.5	720	122 8	90	*9.2	140	16.3	260	34.2	340	58.0
July	230	26.0	550	90.0	60	*6.0	140	15.8	130	16.4	510	83.4
August	180	20.4	610	99.3	110	11.0	140	15.8	100	*12.6	330	53.7
September	200	23.4	540	90.8	80	*8.2	220	25.7	220	28.7	300	50.4
October	190	21.5	690	112 1	130	13.0	240	27.1	230	29.0	390	63.4
November	160	18.7	570	95.7	120	12.4	130	15.2	140	18.2	350	58.7
December	230	25.9	650	105.5	50	*5.0	200	22.6	290	36.5	380	61.7
1984:												
January	250	28.3	510	82.9	220	22.0	280	31.6	300	37.9	660	107.3
February	230	27.8	700	121.6	130	13.9	280	33.8	370	49.9	550	95.5
March	130	14.7	630	102.3	160	16.0	250	28.2	380	47.9	540	87.7
April	280	32.6	580	97.3	50	*5.1	280	32.6	270	35.1	560	93.9
May	220	24.8	660	107.0	100	*10.0	220	24.8	320	40.3	550	89.2
June	100	*11.6	610	102.1	40	*4.1	190	22.1	210	27.3	410	68.6
July	280	31.6	710	114.4	70	*7.0	210	23.7	200	25.1	360	58.0
August	190	21.5	640	102.5	50	*5.0	200	22.6	250	31.3	300	48.1
September	120	14 0	670	110.8	80	*8.3	150	17.5	220	28.4	340	56.2
October	220	24 8	670	107.1	90	*9.0	180	20.3	240	30.0	460	73.5
November	240	28.0	470	77.6	100	*10 3	230	26.8	220	28.4	390	64.4
December	250	28.2	840	134.1	90	*9.0	170	19.1	260	32.4	520	83.0

Table 10. Estimated number of deaths and death rates for Malignant neoplasms of genital organs and Pneumonia and influenza, by specified age, sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Malignant neoplasms of genital organs, male				Pneumonia and influenza							
					55–64 years				65–74 years			
	55–64 years		65–74 years		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	340	38.2	640	101.8	160	15.9	240	26.9	560	69.6	470	74.8
February	120	14.9	660	116.1	190	20.9	350	43.5	410	56.4	560	98.5
March	190	21.3	690	109.6	210	20.9	310	34.7	490	60.8	620	98.5
April	220	25.5	770	126.3	150	15.4	250	28.9	440	56.4	470	77.1
May	110	12.3	640	101.5	100	*9.9	140	15.7	280	34.7	430	68.2
June	180	20.8	680	111.4	80	*8.2	160	18.5	190	24.3	430	70.4
July	160	17.9	700	110.3	110	10.9	290	32.5	170	21.0	440	69.3
August	180	20.3	490	76.6	80	*8.0	130	14.7	220	27.1	420	65.7
September	130	15.1	830	134.0	90	*9.3	160	18.6	270	34.3	400	64.6
October	130	14.6	710	110.8	80	*8.0	210	23.6	220	27.0	430	67.1
November	180	20.9	610	98.3	130	13.4	160	18.6	250	31.7	510	82.2
December	260	29.2	750	116.9	150	15.0	290	32.6	260	31.9	530	82.6
1986:												
January	170	19.1	760	118.3	170	16.9	150	16.8	410	50.2	670	104.3
February	270	33.6	620	106.8	170	18.7	340	42.2	450	61.0	770	132.6
March	220	24.7	780	121.3	120	11.9	300	33.7	400	48.9	560	87.1
April	190	22 0	700	112.4	80	*8.2	220	25.5	340	42.9	570	91.5
May	100	*11.2	750	116.4	50	*5.0	340	38.1	330	40.3	480	74.5
June	220	25.4	870	139.5	210	21.5	110	12.7	330	41.6	460	73.7
July	220	24.8	830	127.8	90	*9.0	150	16.9	180	21.9	590	90.8
August	220	25.0	690	105.4	50	*5.0	170	19.3	310	37.5	330	50.4
September	190	22.3	560	88.4	90	*9.4	150	17.6	300	37.5	370	58.4
October	180	20.4	890	135.8	170	17.1	150	17.0	340	41.1	410	62.5
November	180	21.1	660	103.9	50	*5.2	200	23.4	330	41.2	480	75.6
December	250	28.3	710	108.1	100	*10.1	280	31.7	230	27.8	520	79.2
1987:												
January	190	21.5	690	105.0	190	19.1	400	45.2	440	53.1	700	106.5
February	190	23.8	710	119.6	120	13.3	260	32.5	420	56.0	500	84.2
March	240	27.1	700	106.4	170	17.1	230	26.0	450	54.2	550	83.6
April	210	24.5	890	139.7	120	12.4	200	23.3	350	43.5	580	91.0
May	170	19.2	700	106.3	150	15.0	180	20.3	290	34.9	470	71.4
June	120	14.0	540	84.6	100	*10.3	120	14.0	270	33.5	410	64.3
July	160	18.2	710	106.8	110	11.1	210	23.8	190	22.7	410	61.7
August	280	31.8	640	96.2	120	12.1	100	*11.4	240	28.7	530	79.7
September	240	28.1	710	110.2	60	*6.3	140	16.4	270	33.3	480	74.5
October	140	15.9	730	109.6	90	*9.1	210	23.8	270	32.2	450	67.5
November	240	28.1	620	96.1	70	*7.3	180	21.0	390	48.0	390	60.4
December	210	23.7	870	130.4	110	11.1	230	26.0	320	38.1	460	68.9
1988:												
January	210	24.0	720	107.8	110	11.2	290	33.2	440	52.5	650	97.3
February	230	28.1	800	127.9	120	13.1	270	33.0	430	54.8	840	134.3
March	180	20.6	690	103.0	290	29.6	190	21.7	530	63.1	800	119.5
April	180	21.3	720	111.0	100	*10.6	270	32.0	390	47.9	570	87.9
May	280	32.1	590	88.0	140	14.3	210	24.1	220	26.1	630	93.9
June	270	32.0	740	113.9	70	*7.4	170	20.2	290	35.6	530	81.5
July	310	35.6	950	141.2	110	11.3	240	27.6	260	30.8	360	53.5
August	190	21.8	950	141.1	60	*6.2	200	23.0	270	32.0	470	69.8
September	140	16.6	790	121.0	120	12.7	140	16.6	250	30.6	530	81.2
October	210	24.2	690	102.1	190	19.5	180	20.7	260	30.7	340	50.3
November	190	22.6	650	99.3	140	14.9	230	27.4	230	28.1	520	79.4
December	200	23.1	760	112.1	90	*9.3	270	31.1	400	47.2	630	93.0
1989:												
January	320	36.8	550	80.8	160	16.4	300	34.5	430	50.5	670	98.4
February	240	30.6	640	103.9	130	14.8	240	30.6	460	59.8	640	103.9
March	240	27.6	710	104.0	140	14.4	240	27.6	530	62.2	640	93.8
April	200	23.8	620	93.8	140	14.9	290	34.5	350	42.4	650	98.3
May	210	24.2	750	109.6	80	*8.2	200	23.1	350	41.0	510	74.5
June	290	34.6	760	114.6	80	*8.5	130	15.5	240	29.0	500	75.4
July	270	31.2	690	100.5	60	*6.2	140	16.2	210	24.5	360	52.4
August	260	30.0	650	94.5	140	14.5	180	20.8	260	30.3	340	49.5
September	240	28.7	660	99.1	70	*7.5	180	21.5	220	26.5	380	57.0
October	270	31.2	620	89.9	170	17.6	140	16.2	290	33.7	390	56.5
November	220	26.3	850	127.2	130	13.9	150	17.9	130	15.6	550	82.3
December	270	31.3	910	131.5	140	14.5	220	25.5	370	43.0	610	88.2

NOTE: Data in this table are for figures 55–60. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for November 1989, volume 38, number 11.

Table 11. Estimated number of deaths and death rates for Malignant neoplasms of genital organs and Diabetes mellitus, by specified age and sex, and year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	Malignant neoplasms of genital organs, female				Diabetes mellitus							
					55–64 years				65–74 years			
	55–64 years		65–74 years		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	380	39.5	410	56 2	270	28.1	310	36.6	390	53.4	370	66.3
February	400	46.0	550	83 3	200	23.0	250	32.7	500	75.8	370	73.3
March	390	40.5	470	64.3	240	24.9	270	31.8	370	50.6	350	62.6
April	350	37.5	470	66.3	180	19.3	210	25.5	340	48.0	300	55.4
May	370	38.4	510	69.6	260	27.0	300	35.3	380	51.9	280	50.0
June	420	45.0	470	66.2	190	20.3	210	25.5	410	57.8	350	64.5
July	530	54.7	520	70.4	220	22.7	140	16.4	400	54.2	380	67.3
August	470	48.4	520	70.1	150	15.4	190	22.2	340	45.8	200	35.2
September	310	32.9	410	57.1	250	26.6	160	19.3	520	72.4	260	47.2
October	510	52.4	540	72.6	220	22.6	200	23.3	380	51.1	390	68.5
November	460	48.8	460	63.9	200	21.2	170	20.5	440	61.1	270	49.0
December	500	51.3	470	63.1	280	28.7	160	18.6	590	79.2	290	50.8
1980:												
January	420	43.1	550	74.0	250	25.7	150	17.5	520	69.9	390	68.5
February	520	57.0	600	86.2	260	28.5	270	33.7	550	79.0	400	75.0
March	400	41.0	590	79.2	160	16.4	270	31.5	390	52.4	360	63.1
April	500	52.9	510	70.7	190	20.1	270	32.5	480	66.5	320	57.9
May	470	48.1	510	68.4	300	30.7	180	20.9	450	60.3	400	70.0
June	450	47.5	580	80.2	200	21.1	160	19.2	320	44.3	340	61.4
July	510	52.0	600	79.9	240	24.5	160	18.5	490	65.3	380	66.0
August	460	46.8	560	74.3	240	24.4	200	23.2	420	55.7	280	48.5
September	460	48.3	480	65.7	180	18.9	230	27.5	440	60.2	300	53.6
October	440	44.7	520	68.8	270	27.4	270	31.3	470	62.2	350	60.4
November	420	44.1	570	77.9	210	22.0	230	27.5	450	61.5	440	78.4
December	430	43.6	550	72.7	270	27.4	310	35.8	370	48.9	400	69.0
1981:												
January	470	47.5	420	55.3	360	36.4	290	33.4	540	71.1	350	60.1
February	600	67.1	530	77.2	410	45.9	200	25.5	480	69.9	360	68.4
March	570	57.5	580	76.3	210	21.2	260	29.9	390	51.3	360	61.8
April	230	24.0	590	80.1	220	22.9	260	30.9	440	59.7	390	69.1
May	380	38.3	420	55.1	320	32.2	180	20.7	460	60.4	390	66.8
June	470	48.9	590	80.0	220	22.9	170	20.1	590	80.0	330	58.4
July	440	44.3	500	65.4	250	25.2	220	25.3	370	48.4	380	64.9
August	470	47.4	490	63.9	220	22.2	190	21.8	520	67.8	340	57.8
September	640	66.6	520	70.0	270	28.1	210	24.9	420	56.5	240	42.1
October	470	47.3	580	75.5	280	28.2	310	35.5	570	74.2	350	59.4
November	420	43.6	470	63.1	280	29.1	250	29.6	390	52.4	360	63.1
December	450	45.2	570	74.0	290	29.1	290	33.2	520	67.5	490	83.0
1982:												
January	400	40.1	600	77.9	200	20.1	210	24.0	400	51.9	320	54.2
February	420	46.6	590	84.7	290	32.2	260	32.9	520	74.7	350	65.5
March	410	41.1	480	62.2	200	20.0	190	21.7	500	64.8	300	50.7
April	520	53.8	580	77.6	210	21.7	270	31.8	450	60.2	280	48.9
May	400	40.0	610	78.9	280	28.0	170	19.4	550	71.2	280	47.3
June	480	49.6	470	62.8	290	29.9	160	18.8	360	48.1	310	54.0
July	470	47.0	570	73.5	220	22.0	300	34.2	410	52.8	330	55.4
August	490	49.1	590	75.6	300	30.0	170	19.4	330	42.3	290	48.3
September	390	40.3	510	67.5	270	27.9	240	28.2	290	38.4	320	55.0
October	380	38.0	570	72.9	230	23.0	180	20.5	490	62.7	280	46.5
November	440	45.4	570	75.3	210	21.7	190	22.3	440	58.1	330	56.6
December	330	32.9	610	77.9	280	27.9	210	23.8	470	60.0	430	71.3
1983:												
January	490	48.9	600	76.6	190	18.9	310	35.2	510	65.1	350	58.0
February	450	49.7	620	87.5	240	26.5	200	25.1	530	74.8	360	66.0
March	420	41.8	640	81.6	310	30.9	190	21.5	570	72.6	380	62.9
April	420	43.2	610	80.3	220	22.6	270	31.6	680	89.5	390	66.6
May	390	38.8	570	72.5	270	26.8	180	20.4	540	68.7	290	47.9
June	280	28.7	520	68.3	250	25.7	190	22.2	540	71.0	340	58.0
July	430	42.8	630	79.7	180	17.9	230	26.0	470	59.5	370	60.5
August	560	56.0	410	51.8	170	17.0	180	20.4	430	54.3	310	50.5
September	500	51.6	600	78.3	290	29.9	240	28.0	460	60.0	340	57.2
October	440	43.9	520	65.6	250	24.9	210	23.7	590	74.4	340	55.3
November	410	42.2	520	67.7	220	22.7	210	24.5	420	54.7	430	72.2
December	450	44.8	590	74.3	260	25.9	220	24.8	490	61.7	420	68.2
1984:												
January	430	42.9	500	63.1	290	28.9	200	22.6	550	69.4	390	63.4
February	330	35.2	440	59.3	300	32.0	180	21.7	470	63.4	320	55.6
March	500	49.9	450	56.7	390	38.9	280	31.6	490	61.8	450	73.1
April	380	39 1	600	78.1	270	27.8	220	25.6	560	72.9	360	60.4
May	370	36.8	480	60.4	200	19.9	200	22.5	510	64.2	320	51.9
June	380	39.1	460	59.8	250	25.7	230	26.8	480	62.4	420	70.3
July	490	48 9	520	65.3	210	20.9	170	19.2	420	52.7	320	51.6
August	510	51.1	640	80.1	270	27.0	250	28.3	450	56.3	280	44.8
September	600	62 0	620	80.1	250	25.8	280	32.7	380	49.1	290	47.9
October	410	41.0	520	65.0	250	25.0	200	22.6	540	67.5	360	57.5
November	340	35 1	650	83.8	300	30 9	150	17.5	420	54.2	370	61.1
December	450	44.9	670	83.6	260	25.9	230	25.9	440	54.9	420	67.0

Table 11. Estimated number of deaths and death rates for Malignant neoplasms of genital organs and Diabetes mellitus, by specified age and sex, and year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month of occurrence	*Malignant neoplasms of genital organs, female*				*Diabetes mellitus*							
					55–64 years				*65–74 years*			
	55–64 years		*65–74 years*		*Female*		*Male*		*Female*		*Male*	
	Number	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*	*Number*	*Rate*
1985:												
January	480	47.7	560	69.6	310	30.8	210	23.6	620	77.1	380	60.4
February	470	51.7	370	50.9	360	39.6	200	24.8	500	68.8	430	75.7
March	380	37.7	550	68.3	280	27.8	210	23.5	660	81.9	460	73.1
April	540	55.4	540	69.2	290	29.7	220	25.5	480	61.5	460	75.5
May	310	30.7	640	79.3	330	32.7	100	*11.2	410	50.8	430	68.2
June	360	36.9	570	73.0	210	21.5	220	25.4	500	64.0	360	59.0
July	410	40.8	590	72.9	300	29.8	190	21.3	450	55.6	400	63.0
August	510	51.1	540	66.4	250	25.0	290	32.7	500	61.5	260	40.6
September	380	39.3	550	69.8	290	30.0	240	27.9	330	41.9	220	35.5
October	480	48.0	590	72.4	210	21.0	160	18.0	490	60.2	340	53.1
November	390	40.2	580	73.5	260	26.8	230	26.7	440	55.8	450	72.5
December	340	33.9	680	83.4	390	38.9	240	27.0	560	68.7	440	68.6
1986:												
January	420	41.9	540	66.2	290	28.9	340	38.2	600	73.5	520	81.0
February	360	39.7	740	100.3	210	23.2	280	34.8	630	85.4	290	49.9
March	340	33.8	710	86.9	200	19.9	220	24.7	710	86.9	320	49.8
April	360	37.0	550	69.5	280	28.8	240	27.8	340	42.9	340	54.6
May	470	46.7	540	66.0	350	34.8	180	20.2	420	51.3	290	45.0
June	360	36.9	520	65.6	170	17.4	160	18.5	440	55.5	240	38.5
July	320	32.0	580	70.5	240	24.0	200	22.5	420	51.1	430	66.2
August	440	44.4	430	52.1	240	24.2	150	17.0	340	41.2	290	44.3
September	440	45.8	550	68.7	290	30.2	200	23.4	370	46.2	270	42.6
October	490	49.3	570	68.9	210	21.1	360	40.8	520	62.8	330	50.3
November	460	47.8	470	58.6	240	25.0	250	29.3	450	56.1	400	63.0
December	500	50.3	550	66.4	200	20.1	170	19.2	470	56.7	360	54.8
1987:												
January	370	37.2	580	69.9	310	31.2	290	32.8	470	56.7	290	44.1
February	380	42.2	470	62.7	230	25.6	270	33.8	510	68.0	270	45.5
March	380	38.1	590	71.1	270	27.1	260	29.4	550	66.2	420	63.9
April	470	48.7	570	70.9	340	35.2	350	40.8	490	60.9	450	70.6
May	360	36.1	610	73.4	270	27.1	140	15.8	410	49.3	370	56.2
June	270	27.9	600	74.5	180	18.6	180	21.0	410	50.9	320	50.2
July	310	31.3	540	64.6	220	22.2	280	31.8	480	57.4	460	69.2
August	410	41.4	590	70.5	340	34.3	180	20.4	490	58.6	380	57.1
September	400	41.7	470	58.0	210	21.9	210	24.6	440	54.3	440	68.3
October	310	31.2	490	58.4	250	25.2	260	29.4	550	65.6	400	60.0
November	450	46.8	650	80.1	170	17.7	220	25.7	530	65.3	480	74.4
December	500	50.3	680	81.0	230	23.1	290	32.8	550	65.5	460	68.9
1988:												
January	290	29.5	650	77.5	370	37.7	200	22.9	500	59.6	460	68.9
February	400	43.6	670	85.3	330	36.0	230	28.1	600	76.4	510	81.5
March	420	42.8	550	65.5	270	27.5	280	32.1	590	70.2	570	85.1
April	380	40.1	630	77.4	230	24.3	230	27.2	490	60.2	420	64.8
May	520	53.2	510	60.6	290	29.6	200	22.9	410	48.7	500	74.6
June	360	38.1	590	72.4	260	27.5	230	27.3	510	62.6	430	66.2
July	440	45.1	620	73.5	260	26.6	160	18.4	490	58.1	440	65.4
August	490	50.2	560	66.4	240	24.6	160	18.4	470	55.7	370	54.9
September	380	40.3	540	66.1	240	25.4	270	32.1	410	50.1	420	64.3
October	400	41.1	750	88.7	260	26.7	210	24.2	480	56.7	400	59.2
November	380	40.4	520	63.5	130	13.8	250	29.8	500	61.0	310	47.3
December	490	50.5	560	66.1	210	21.6	240	27.7	430	50.7	430	63.4
1989:												
January	380	39.0	660	77.5	320	32.8	340	39.1	500	58.8	540	79.3
February	380	43.2	640	83.2	260	29.6	250	31.8	600	78.0	500	81.2
March	530	54.5	740	86.8	310	31.9	240	27.6	710	83.3	480	70.3
April	270	28.7	560	67.8	240	25.5	300	35.7	650	78.7	380	57.5
May	410	42.3	600	70.2	290	29.9	250	28.8	650	76.1	510	74.5
June	250	26.7	470	56.8	240	25.6	320	38.2	600	72.5	450	67.8
July	340	35.1	560	65.4	170	17.6	250	28.9	590	68.9	420	61.2
August	340	35.2	470	54.8	270	27.9	210	24.3	410	47.8	410	59.6
September	440	47.1	550	66.2	290	31.0	270	32.3	500	60.2	490	73.5
October	290	30.0	640	74.5	310	32.1	270	31.2	770	89.6	390	56.5
November	310	33.2	510	61.3	230	24.6	300	35.9	420	50.4	450	67.3
December	390	40.5	520	60.4	370	38.4	340	39.4	670	77.8	660	95.4

NOTE: Data in this table are for figures 61–66. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for December 1989, volume 38, number 12.

Table 12. Estimated number of deaths and death rates for Accidents and adverse effects, Suicide, and Homicide and legal Intervention, for males and females aged 25–34 years, by year and month of occurrence: United States, January 1979–December 1989

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month	Accidents and adverse effects				Suicide				Homicide and legal intervention			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1979:												
January	180	11 9	910	61.0	60	*3.9	350	23.5	30	*2.0	440	29.5
February	320	23.3	970	72.0	60	*4.4	300	22.3	110	8.0	410	30.4
March	220	14 5	1,020	68.3	70	*4.6	410	27.4	70	*4.6	370	24.8
April	230	15 6	970	67.1	70	*4.7	540	37.3	70	*4.7	370	25.6
May	250	16 4	940	62.8	70	*4.6	340	22.7	140	9.2	420	28.1
June	280	19.0	1,080	74.5	70	*4.7	280	19.3	70	*4.7	370	25.5
July	260	16.8	1,140	75.1	80	*5.2	390	25.7	80	*5.2	490	32.3
August	210	13 4	970	63.0	90	*5.7	360	23.4	50	*3.2	500	32.5
September	230	15.2	1,070	71.7	150	9.9	400	26.8	100	*6.6	540	36.2
October	230	14.6	1,130	73.2	50	*3.2	440	28.5	150	9.5	350	22.7
November	300	19.7	1,080	72.2	150	9.9	410	27.4	70	*4.6	450	30.1
December	300	19.1	1,130	73.1	110	7.0	300	19.4	120	7.6	460	29.7
1980:												
January	290	18.5	880	57.0	50	*3.2	310	20.1	80	*5.1	450	29.2
February	390	26.5	890	61.6	80	*5.4	400	27.7	90	*6.1	450	31.1
March	270	17.2	900	58.2	60	*3.8	440	28.5	80	*5.1	520	33.6
April	210	13.8	1,140	76.1	110	7.2	270	18.0	160	10.5	380	25.4
May	250	15 9	1,230	79.4	160	10.2	320	20.6	110	7.0	460	29.7
June	260	17.0	1,420	94.6	120	7.9	390	26.0	140	9.2	480	32.0
July	310	19.4	1,310	83.2	190	11.9	310	19.7	50	*3.1	450	28.6
August	360	22.2	1,380	86.4	130	8.0	390	24.4	190	11.7	550	34.4
September	310	19 7	1,600	103.4	110	7.0	370	23.9	140	8.9	580	37.5
October	290	17.9	1,080	67.5	100	*6.2	430	26.9	60	*3.7	520	32.5
November	290	18 4	1,000	64.5	110	7.0	310	20.0	110	7.0	650	41.9
December	290	17.8	880	54.9	70	*4.3	430	26.8	120	7.4	440	27.4
1981:												
January	230	14.1	1,030	64.0	90	*5.5	340	21.1	130	8.0	440	27.3
February	290	19.6	1,020	70.1	90	*6.1	370	25.4	140	9.5	570	39.2
March	210	12.8	1,010	62.7	140	8.6	460	28.5	130	7.9	620	38.5
April	230	14.5	970	62.1	130	8.2	320	20.5	120	7.6	450	28.8
May	380	23.2	1,220	75.6	120	7.3	360	22.3	190	11.6	350	21.7
June	300	18.9	1,090	69.7	120	7.6	380	24.3	80	*5.0	410	26.2
July	290	17.5	1,480	90.4	100	*6.0	470	28.7	60	*3.6	390	23.8
August	310	18.6	1,380	84.0	120	7.2	330	20.1	140	8.4	450	27.4
September	360	22 3	1,180	74.1	90	*5.6	530	33.3	130	8.1	570	35.8
October	300	18.0	1,130	68.6	120	7.2	400	24.3	90	*5.4	480	29.2
November	270	16.7	1,220	76.5	120	7.4	320	20.1	160	9.9	470	29.5
December	370	22.2	1,210	73.4	140	8.4	430	26.1	80	*4.8	630	38.2
1982:												
January	270	16.2	1,010	61.2	110	6.6	380	23.0	120	7.2	510	30.9
February	210	13.9	960	64.4	40	*2.6	380	25.5	100	*6.6	540	36.2
March	330	19.7	890	53.9	120	7.2	410	24.8	180	10.7	410	24.8
April	180	11.1	930	58.1	120	7.4	420	26.2	90	*5.5	500	31.2
May	310	18.5	930	56 2	100	*6.0	450	27.2	40	*2.4	410	24.8
June	330	20.3	1,120	69.9	130	8.0	470	29.3	110	6.8	310	19.3
July	360	21.4	1,290	77.6	110	6.5	300	18.0	130	7.7	530	31.9
August	310	18.3	1,300	77.7	130	7.7	440	26.3	80	*4.7	460	27.5
September	260	15.9	1,170	72.2	120	7.3	390	24.1	130	7.9	460	28.4
October	340	20.0	1,070	63.9	110	6.5	320	19.1	90	*5.3	500	29.8
November	230	14.0	980	60.4	60	*3.6	300	18.5	70	*4.3	400	24.6
December	310	18.2	950	56.6	110	6.5	360	21.4	130	7.6	580	34.6
1983:												
January	270	15.9	660	39.3	110	6.5	380	22.6	90	*5.3	480	28.6
February	280	18.2	810	53.3	80	*5.2	480	31.6	100	*6.5	310	20.4
March	250	14.7	870	51.7	90	*5.3	380	22.6	140	8.2	280	16.6
April	150	9.1	920	56.5	150	9.1	540	33.1	140	8.5	350	21.5
May	320	18.8	1,070	63.5	110	6.4	370	22.0	140	8.2	520	30.9
June	270	16.3	1,020	62.5	90	*5.4	340	20.8	30	*1.8	360	22.1
July	360	21.0	1,360	80.2	100	*5.8	350	20.6	130	7.6	480	28.3
August	250	14.5	1,240	72 4	90	*5.2	400	23.3	130	7.5	340	19.8
September	270	16.1	1,170	70.5	150	9.0	440	26.5	150	9.0	440	26.5
October	240	13.9	1,040	60.6	110	6.3	430	25.0	100	*5.8	550	32.0
November	180	10 7	1,020	61.3	120	7.2	390	23.5	50	*3.0	290	17.4
December	340	19.6	940	54.7	80	*4.6	460	26.8	110	6.3	420	24.4
1984:												
January	240	13.9	870	50.7	80	*4.6	510	29.7	90	*5.2	380	22.1
February	200	12.3	830	51.7	60	*3.7	400	24.9	90	*5.6	380	23.7
March	160	9.2	860	50.1	140	8.1	440	25.6	80	*4.6	360	20.9
April	190	11.3	780	46.9	130	7.7	480	28.8	80	*4.8	380	22.8
May	230	13 2	1,220	70.9	130	7.5	370	21.5	50	*2.9	330	19.2
June	180	10.7	1,350	81.0	90	*5.3	460	27.6	150	8.9	330	19.8
July	240	13.7	1,270	72.9	80	*4.6	340	19.5	140	8.0	450	25.8
August	260	14.8	1,440	82.1	110	6.2	330	18.8	130	7.4	480	27.4
September	250	14.7	1,220	71.8	110	6.5	420	24.7	60	*3.5	400	23.5
October	240	13.6	1,040	59.2	110	6.2	400	22.8	90	*5.1	380	21.6
November	210	12.3	1,100	64.6	50	*2.9	430	25.3	70	*4.1	400	23.5
December	150	8.5	920	52.3	110	6.2	510	29.0	160	9.1	410	23.3

Table 12. Estimated number of deaths and death rates for Accidents and adverse effects, Suicide, and Homicide and legal intervention, for males and females aged 25–34 years, by year and month of occurrence: United States, January 1979–December 1989—Con.

[Data are provisional, estimated from a 10-percent sample of deaths. Rates on an annual basis per 100,000 estimated population for the specific month]

Year and month	Accidents and adverse effects				Suicide				Homicide and legal intervention			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1985:												
January	250	14.1	760	43.0	80	*4.5	330	18.7	60	*3.4	350	19.8
February	190	11.9	760	47.6	40	*2.5	460	28.8	90	*5.6	440	27.6
March	240	13.5	860	48.7	110	6.2	440	24.9	150	8.5	390	22.1
April	230	13.4	1,130	66.0	80	*4.6	560	32.7	110	6.4	360	21.0
May	210	11.8	960	54.2	50	*2.8	450	25.4	110	6.2	150	8.5
June	250	14.5	1,140	66.5	90	*5.2	410	23.9	50	*2.9	510	29.7
July	280	15.7	1,290	72.4	90	*5.0	350	19.6	120	6.7	440	24.7
August	250	13.9	960	53.6	80	*4.5	500	27.9	130	7.2	440	24.5
September	280	16.1	1,200	69.1	90	*5.2	380	21.9	150	8.6	510	29.4
October	250	13.9	1,010	56.2	120	6.7	550	30.6	100	*5.6	320	17.8
November	210	12.1	820	47.1	120	6.9	360	20.7	100	*5.7	450	25.9
December	230	12.8	780	43.4	190	10.5	490	27.2	80	*4.4	390	21.7
1986:												
January	290	16.1	800	44.4	70	*3.9	410	22.8	150	8.3	370	20.5
February	240	14.7	680	41.8	100	*6.1	420	25.8	60	*3.7	360	22.1
March	320	17.7	850	47.1	60	*3.3	510	28.3	80	*4.4	380	21.1
April	210	12.0	1,140	65.3	110	6.3	530	30.4	120	6.9	380	21.8
May	320	17.7	1,250	69.2	120	6.6	320	17.7	80	*4.4	380	21.0
June	280	16.0	1,170	66.9	90	*5.1	440	25.2	90	*5.1	460	26.3
July	380	20.9	1,550	85.3	90	*4.9	450	24.8	120	6.6	590	32.5
August	350	19.2	1,290	70.8	130	7.1	520	28.6	110	6.0	570	31.3
September	260	14.7	1,350	76.5	100	*5.7	480	27.2	120	6.8	540	30.6
October	280	15.4	1,050	57.5	80	*4.4	350	19.2	190	10.4	440	24.1
November	270	15.3	910	51.5	120	6.8	420	23.8	110	6.2	410	23.2
December	220	12.0	910	49.8	60	*3.3	360	19.7	100	*5.5	370	20.2
1987:												
January	220	12.0	800	43.7	80	*4.4	340	18.6	130	7.1	340	18.6
February	260	15.7	750	45.4	90	*5.4	340	20.6	130	7.9	410	24.8
March	310	16.9	810	44.2	110	6.0	460	25.1	200	10.9	280	15.3
April	280	15.8	1,070	60.3	110	6.2	580	32.7	100	*5.6	360	20.3
May	130	7.1	980	53.5	110	6.0	520	28.4	110	6.0	410	22.4
June	260	14.6	1,150	64.8	130	7.3	410	23.1	140	7.9	430	24.2
July	330	17.9	1,460	79.3	70	*3.8	450	24.4	100	*5.4	490	26.6
August	370	20.1	1,280	69.5	100	*5.4	470	25.5	160	8.7	420	22.8
September	210	11.8	1,270	71.2	130	7.3	280	15.7	160	9.0	430	24.1
October	240	13.0	1,040	56.4	140	7.6	330	17.9	160	8.7	420	22.7
November	380	21.3	990	55.4	90	*5.0	340	19.0	80	*4.5	420	23.5
December	300	16.2	1,000	54.1	40	*2.2	410	22.2	80	*4.3	410	22.2
1988:												
January	250	13.6	820	44.5	110	6.0	550	29.8	150	8.1	490	26.6
February	280	16.3	840	48.7	130	7.5	460	26.7	70	*4.1	480	27.8
March	270	14.7	980	53.1	100	*5.4	470	25.5	130	7.0	470	25.5
April	270	15.1	1,070	59.9	80	*4.5	350	19.6	100	*5.6	380	21.3
May	230	12.5	1,030	55.8	50	*2.7	470	25.4	160	8.7	480	26.0
June	210	11.7	1,080	60.4	90	*5.0	530	29.6	170	9.5	380	21.2
July	320	17.3	1,330	71.9	160	8.7	430	23.2	110	6.0	390	21.1
August	250	13.5	1,080	58.4	150	8.1	440	23.8	90	*4.9	570	30.8
September	270	15.1	1,320	73.7	60	*3.4	450	25.1	130	7.3	520	29.0
October	390	21.1	1,080	58.3	60	*3.2	390	21.1	80	*4.3	500	27.0
November	270	15.1	910	50.8	80	*4.5	400	22.3	90	*5.0	470	26.2
December	260	14.0	1,090	58.8	80	*4.3	360	19.4	120	6.5	400	21.6
1989:												
January	190	10.2	950	51.1	90	*4.8	400	21.5	120	6.5	470	25.3
February	190	11.3	880	52.4	90	*5.4	480	28.6	90	*5.4	450	26.8
March	380	20.5	910	48.9	90	*4.8	480	25.8	140	7.5	410	22.0
April	340	18.9	920	51.1	140	7.8	450	25.0	70	*3.9	420	23.3
May	250	13.4	950	51.0	70	*3.8	450	24.2	150	8.1	550	29.5
June	260	14.4	1,000	55.5	70	*3.9	410	22.7	90	*5.0	460	25.5
July	290	15.6	1,110	59.5	120	6.4	570	30.6	120	6.4	540	29.0
August	350	18.8	1,080	57.9	110	5.9	400	21.5	140	7.5	470	25.2
September	330	18.3	1,100	61.0	140	7.8	440	24.4	150	8.3	440	24.4
October	330	17.7	940	50.4	110	5.9	380	20.4	120	6.5	460	24.7
November	260	14.4	1,030	57.1	140	7.8	430	23.8	110	6.1	610	33.8
December	320	17.2	1,010	54.2	90	*4.8	500	26.8	140	7.5	460	24.7

NOTE: Data in this table are for figures 67–72. These figures were previously published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for January 1990, volume 39, number 1.

Table 13. Selected statistics and model parameters for the first year's topics from the Mortality Surveillance System, *Monthly Vital Statistics Report*, volume 38, number 2–volume 39, number 1: United States, January 1979–December 1989

[Rates on an annual basis per 100,000 estimated population in specified group. Monthly data are provisional, estimated from a 10-percent sample of deaths. Average monthly sample size is based on the number of deaths in the sample for the years 1979–87]

	All causes					
	45–54 years		*55–64 years*		*65–74 years*	
Vol. 38, No. 2 February 1989	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*
Final 1987 death rate	359.8	644.2	900 3	1,624.6	2,062.6	3,617.8
Average monthly sample size	378	651	897	1,485	1,611	2,315
Estimated coefficients of model parameters:						
Intercept (*p*-value)	415 8758(0.0001)	774.4615(0.0001)	889.3042(0.0001)	1,808.5683(0.0001)	2,025.3454(0.0001)	3,959.9750(0.0001)
t (*p*-value)	–0.4761(0.1241)	–0 8660(0 0536)	1.6114(0.0012)	–0.9001(0.2734)	2.8169(0.0068)	2.6198(0.1510)
t^2 (*p*-value)	0.0008(0.7634)	–0 0047(0.2426)	–0.0147(0.0011)	–0.0096(0.1990)	–0.0236(0.0118)	–0.0608(0.0003)
C (*p*-value)	15.2905(0.0001)	24 3176(0.0001)	42.8251(0.0001)	89.7915(0.0001)	138.5929(0.0001)	249.1014(0.0001)
S (*p*-value)	9.5324(0.0064)	7.8661(0.1149)	25.3636(0.0001)	45.5484(0.0001)	80.3449(0.0001)	144.2122(0.0001)
Adjusted R^2	0.4347	0 6277	0.4640	0.6722	0.6525	0.7377

	Malignant neoplasms of respiratory and intrathoracic organs					
	35–44 years		*45–54 years*		*55–64 years*	
Vol. 38, No. 3 March 1989	*Female*	*Male*	*Female*	*Male*	*Female*	*Male*
Final 1987 death rate	6.0	9.4	35.5	68.7	97.6	230.9
Average monthly sample size	8	13	35	68	84	193
Estimated coefficients of model parameters:						
Intercept (*p*-value)	6 8465(0.0001)	14 1385(0 0001)	34.4156(0 0001)	76.6107(0.0001)	69.3387(0.0001)	215.5401(0.0001)
t (*p*-value)	–0.0115(0.1194)	–0 0919(0.0129)	0.0233(0 2241)	0.1506(0.1569)	0.4110(0.0011)	0.3427(0.0808)
t^2 (*p*-value)	.	0.0005(0.1533)	...	–0.0029(0.0035)	–0.0013(0.2486)	–0.0025(0.1509)
C (*p*-value)	...	...	...	...	...	...
S (*p*-value)	...	...	...	...	...	...
Adjusted R^2	0.0135	0.1602	0.0046	0.2764	0.4211	0.0199

	Chronic obstructive pulmonary diseases and allied conditions					
	45–54 years		*55–64 years*		*65–74 years*	
Vol. 38, No. 4 April 1989	*Female*[1]	*Male*[1]	*Female*	*Male*	*Female*	*Male*
Final 1987 death rate	8 8	9.7	37.1	59.1	102.0	200.2
Average monthly sample size	8	10	31	51	64	125
Estimated coefficients of model parameters:						
Intercept (*p*-value)	1.8938(0.0001)	2.3047(0.0001)	24.0044(0.0001)	53.3837(0.0001)	55.5739(0.0001)	186.9004(0.0001)
t (*p*-value)	0.0021(0 0889)	0.0092(0.0409)	0.1387(0.0001)	0.2533(0.0277)	0.4894(0.0001)	1.0479(0.0002)
t^2 (*p*-value)	. .	–0.0001(0.0057)	...	–0.0021(0.0406)	...	–0.0092(0.0003)
C (*p*-value)	...	0 0685(0.1676)	3.7938(0.0001)	5.8504(0.0001)	10.7723(0.0001)	15.3451(0.0001)
S (*p*-value)	0.1932(0.0005)	0.1382(0.0062)	3 8170(0.0001)	4.5658(0.0005)	13.1373(0.0001)	23.6146(0.0001)
Adjusted R^2	0.1071	0.1704	0.5025	0.2459	0.7041	0.4826

	15–24 years					
	Accidents and adverse effects		*Homicide and legal intervention*		*Suicide*	
Vol. 38, No. 5 May 1989	*Female*	*Male*	*Female*[1]	*Male*	*Female*[1]	*Male*
Final 1987 death rate	23.2	74 1	6.0	21.9	4.3	21.3
Average monthly sample size	38	138	9	36	7	33
Estimated coefficients of model parameters:						
Intercept (*p*-value)	24.4406(0 0001)	97.6432(0 0001)	1.5495(0.0001)	26.5014(0.0001)	1.2657(0.0001)	18.0087(0.0001)
t (*p*-value)	–0.0793(0.0799)	–0.5642(0.0001)	0 0082(0 0506)	–0.2156(0.0001)	0.0011(0.4137)	0.0441(0.3008)
t^2 (*p*-value)	0.0007(0.0998)	0.0033(0 0004)	–0.0001(0.0150)	0.0015(0.0017)	...	–0.0003(0.4120)
C (*p*-value)	–3.0551(0.0001)	–21.4623(0.0001)	–0.0077(0 8676)	–1.2064(0.0437)	...	1.7619(0.0003)
S (*p*-value)	–1.2678(0.0128)	–6.2571(0.0001)	–0.0891(0.0583)	–0.9403(0.1156)	...	1.0664(0.0263)
Adjusted R^2	0.2846	0.8105	0 0694	0.1930	–0.0031	0.1307

Table 13. Selected statistics and model parameters for the first year's topics from the Mortality Surveillance System, *Monthly Vital Statistics Report*, volume 38, number 2–volume 39, number 1: United States, January 1979–December 1989—Con.

[Rates on an annual basis per 100,000 estimated population in specified group. Monthly data are provisional, estimated from a 10-percent sample of deaths. Average monthly sample size is based on the number of deaths in the sample for the years 1979–87]

	55–64 years					
	Accidents and adverse effects		Chronic liver disease and cirrhosis		Suicide	
Vol. 38, No. 6 June 1989	Female	Male	Female	Male	Female[1]	Male
Final 1987 death rate	20.8	52 1	19.4	46.4	7.7	26.6
Average monthly sample size	21	48	23	45	7	22
Estimated coefficients of model parameters:						
Intercept (*p*-value)	25.5991(0.0001)	67.3770(0.0001)	26.4149(0.0001)	59.7823(0.0001)	1.9878(0.0001)	26.1089(0.0001)
t (*p*-value)	−0.1563(0.0124)	−0.3147(0.0027)	−0.0432(0.5203)	−0.1740(0.0870)	0.0001(0.9844)	−0.0967(0.1891)
t^2 (*p*-value)	0.0011(0.0474)	0.0014(0.1246)	−0.0002(0.7662)	0.0003(0.7039)	0.0000(0.6721)	0.0012(0.0739)
C (*p*-value)	1.2691(0.0659)	1.4226(0.2134)	2.0152(0.0079)	1.4765(0.1902)	−0.0465(0.4533)	−0.4914(0.5468)
S (*p*-value)	0.5249(0.4452)	−1.0306(0.3681)	1.3731(0.0687)	0.1596(0.8873)	0.1153(0.0660)	0.9039(0.2703)
Adjusted R^2	0.0885	0.2699	0.1715	0.2041	0.0280	0.0308

	Malignant neoplasms of digestive organs and peritoneum				Malignant neoplasm of breast	
	55–64 years		65–74 years		55–64 years	65–74 years
Vol. 38, No. 7 July 1989	Female	Male	Female	Male	Female	Female
Final 1987 death rate	73.0	125.9	158.3	262.7	80.7	108.3
Average monthly sample size	73	111	128	162	79	82
Estimated coefficients of model parameters:						
Intercept (*p*-value)	73.0167(0.0001)	129.3344(0.0001)	169.2094(0.0001)	272.9161(0.0001)	73.6590(0.0001)	96.4555(0.0001)
t (*p*-value)	0.1338(0.2307)	0.0566(0.7272)	−0.0179(0.9293)	0.1626(0.5688)	0.2763(0.0050)	0.2877(0.0318)
t^2 (*p*-value)	−0.0013(0.1996)	−0.0011(0.4736)	−0.0008(0.6763)	−0.0029(0.2635)	−0.0019(0.0307)	−0.0016(0.1869)
C (*p*-value)	...	...	...	...	...	...
S (*p*-value)	...	...	...	...	...	...
Adjusted R^2	−0.0029	0.0037	0.0185	0.0313	0.0978	0.1027

	Diseases of heart					
	45–54 years		55–64 years		65–74 years	
Vol. 38, No. 8 August 1989	Female	Male	Female	Male	Female	Male
Final 1987 death rate	70.3	214.8	240.0	598.6	705.3	1,388.6
Average monthly sample size	76	233	251	589	590	945
Estimated coefficients of model parameters:						
Intercept (*p*-value)	83.7204(0.0001)	286.3706(0.0001)	263.3423(0.0001)	759.2128(0.0001)	792.6197(0.0001)	1,693.9414(0.0001)
t (*p*-value)	−0.0170(0.8892)	−0.2984(0.1856)	0.2284(0.3303)	−1.0124(0.0196)	0.3862(0.4296)	0.0207(0.9813)
t^2 (*p*-value)	−0.0013(0.2269)	−0.0043(0.0367)	−0.0050(0.0205)	−0.0055(0.1563)	−0.0124(0.0058)	−0.0297(0.0003)
C (*p*-value)	3.1908(0.0205)	11.3724(0.0001)	13.3338(0.0001)	40.7262(0.0001)	67.0378(0.0001)	128.5068(0.0001)
S (*p*-value)	1.6371(0.2315)	11.4584(0.0001)	9.2472(0.0006)	27.8789(0.0001)	41.8236(0.0001)	79.6878(0.0001)
Adjusted R^2	0.2373	0.6876	0.3997	0.7650	0.7301	0.8179

	Cerebrovascular diseases				Septicemia	
	55–64 years		65–74 years		75–84 years	
Vol. 38, No. 9 September 1989	Female	Male	Female	Male	Female	Male[1]
Final 1987 death rate	45.5	59.7	140.6	178.1	60.1	77.1
Average monthly sample size	49	58	127	131	19	15
Estimated coefficients of model parameters:						
Intercept (*p*-value)	54.8393(0.0001)	80.5816(0.0001)	199.4639(0.0001)	264.1407(0.0001)	24.0376(0.0001)	3.4263(0.0001)
t (*p*-value)	−0.0219(0.8356)	−0.2727(0.0223)	−0.8727(0.0001)	−0.5162(0.0525)	0.2769(0.0087)	0.0112(0.0103)
t^2 (*p*-value)	−0.0008(0.4071)	0.0004(0.7144)	0.0031(0.0552)	−0.0044(0.0668)	0.0009(0.3406)	0.0000(0.6653)
C (*p*-value)	4.6293(0.0001)	5.5560(0.0001)	12.6777(0.0001)	23.6591(0.0001)	3.7417(0.0015)	0.1123(0.0209)
S (*p*-value)	1.7436(0.1400)	2.7835(0.0362)	2.8700(0.1457)	8.1422(0.0066)	−0.8802(0.4475)	0.0080(0.8685)
Adjusted R^2	0.2328	0.4393	0.6537	0.7413	0.6646	0.4159

Table 13. Selected statistics and model parameters for the first year's topics from the Mortality Surveillance System, *Monthly Vital Statistics Report*, volume 38, number 2–volume 39, number 1: United States, January 1979–December 1989—Con.

[Rates on an annual basis per 100,000 estimated population in specified group. Monthly data are provisional, estimated from a 10-percent sample of deaths. Average monthly sample size is based on the number of deaths in the sample for the years 1979–87]

Vol. 38, No. 10 October 1989	Motor vehicle accidents					
	25–34 years		35–44 years		45–54 years	
	Female	Male	Female	Male	Female	Male
Final 1987 death rate	11.5	36.8	9.3	25.6	9.2	21.8
Average monthly sample size	18	63	11	32	9	22
Estimated coefficients of model parameters:						
Intercept (*p*-value)	12.6982(0.0001)	46.8625(0.0001)	9.7872(0.0001)	32.8005(0.0001)	11.0200(0.0001)	28.2280(0.0001)
t (*p*-value)	−0.0639(0.0494)	0.2813(0.0001)	−0.0404(0.2472)	−0.1585(0.0077)	−0.0986(0.0142)	−0.1455(0.0308)
t^2 (*p*-value)	0.0004(0.1859)	0.0016(0.0106)	0.0003(0.3759)	0.0007(0.1799)	0.0008(0.0263)	0.0009(0.1520)
C (*p*-value)	−0.4985(0.1661)	−6.4080(0.0001)	−0.5037(0.1943)	−0.8421(0.1969)	−0.2487(0.5728)	0.6690(0.3673)
S (*p*-value)	−0.6143(0.0897)	−3.0565(0.0001)	−0.9430(0.0165)	−1.8331(0.0058)	−1.0660(0.0174)	−2.0680(0.0063)
Adjusted R^2	0.0806	0.5451	0.0476	0.2508	0.0720	0.1255

Vol. 38, No. 11 November 1989	Malignant neoplasms of genital organs		Pneumonia and influenza			
	55–64 years	65–74 years	55–64 years		65–74 years	
	Male	Male	Female[1]	Male	Female	Male
Final 1987 death rate	24.4	111.1	12.2	23.7	38.8	79.3
Average monthly sample size	19	65	11	21	27	45
Estimated coefficients of model parameters:						
Intercept (*p*-value)	22.4813(0.0001)	108.0741(0.0001)	2.2898(0.0001)	23.8070(0.0001)	31.4794(0.0001)	69.1555(0.0001)
t (*p*-value)	.	.	0.0009(0.8406)	0.0567(0.4739)	0.0219(0.8330)	0.1481(0.4011)
t^2 (*p*-value)	.	.	0.0000(0.9959)	−0.0006(0.4195)	0.0007(0.4823)	−0.0006(0.6850)
C (*p*-value)	.	.	0.2756(0.0001)	6.5668(0.0001)	9.5432(0.0001)	15.3419(0.0001)
S (*p*-value)	.	.	0.1495(0.0030)	2.7076(0.0027)	6.4801(0.0001)	8.9797(0.0001)
Adjusted R^2	0.0000	0.0000	0.2563	0.3689	0.4938	0.4282

Vol. 38, No. 12 December 1989	Malignant neoplasms of genital organs		Diabetes mellitus			
	55–64 years	65–74 years	55–64 years		65–74 years	
	Female	Female	Female	Male	Female	Male
Final 1987 death rate	40.2	70.1	25.7	28.2	59.7	62.8
Average monthly sample size	43	55	25	22	47	36
Estimated coefficients of model parameters:						
Intercept (*p*-value)	46.0125(0.0001)	70.9835(0.0001)	22.6861(0.0001)	27.5472(0.0001)	57.4253(0.0001)	61.1555(0.0001)
t (*p*-value)	0.0163(0.8574)	.	0.1361(0.0327)	−0.0967(0.1642)	0.1935(0.0959)	−0.0608(0.6039)
t^2 (*p*-value)	−0.0007(0.3637)	.	−0.0011(0.0625)	0.0009(0.1441)	−0.0018(0.0902)	0.0004(0.7193)
C (*p*-value)	.	.	1.8819(0.0083)	2.9728(0.0002)	5.9446(0.0001)	5.4335(0.0001)
S (*p*-value)	.	.	0.8580(0.2237)	0.1994(0.7961)	2.9216 (0.025)	1.7651(0.1785)
Adjusted R^2	0.0581	0.0000	0.0825	0.1112	0.1925	0.1320

Vol. 39, No. 1 January 1990	25–34 years					
	Accidents and adverse effects		Suicide		Homicide and legal intervention	
	Female	Male	Female	Male	Female	Male
Final 1987 death rate	16.3	60.4	5.9	24.8	6.9	23.3
Average monthly sample size	27	107	10	41	11	43
Estimated coefficients of model parameters:						
Intercept (*p*-value)	18.8316(0.0001)	74.9564(0.0001)	6.0391(0.0001)	23.9823(0.0001)	6.4719(0.0001)	32.2105(0.0001)
t (*p*-value)	−0.0837(0.0379)	−0.2684(0.0043)	0.0215(0.3244)	0.0333(0.5015)	.	−0.1381(0.0172)
t^2 (*p*-value)	0.0004(0.2457)	0.0009(0.2577)	−0.0003(0.1248)	−0.0004(0.4097)	.	0.0004(0.4660)
C (*p*-value)	−0.7408(0.0973)	−11.6035(0.0001)	.	0.2126(0.6991)	.	−0.4202(0.5091)
S (*p*-value)	−0.6914(0.1226)	−3.4615(0.0010)	.	1.3032(0.0197)	.	−2.1113(0.0013)
Adjusted R^2	0.1312	0.6291	0.0398	0.0268	0.0000	0.3196

[1]Data transformed by the natural logarithm before fitting model

. . . Parameter not included in model.

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