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# Vital and Health Statistics

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## Mortality Surveillance System: Models From the Second Year

Series 20:  
Data From the National Vital Statistics System  
No. 22

This report describes the Mortality Surveillance System and presents the statistical charts and text from its second year as published in the 12 issues of the *Monthly Vital Statistics Report*, volume 39, number 2 — volume 40, number 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
  - Z Quantity more than zero but less than 500 where numbers are rounded to thousands
  - \* Figure does not meet standard of reliability or precision
-

# Mortality Surveillance System: Models From the Second Year

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

## Introduction

This is the second report presenting statistical charts and text from the Mortality Surveillance System (MSS). The first report presented the statistical charts and text from the first year of the MSS as published in the *Monthly Vital Statistics Report (MVSR)* volume 38, numbers 2—volume 39, number 1, and briefly described the methodology that was used (1). This report presents the statistical charts and text from the second year of the MSS as published in the MVSR volume 39, number 2—volume 40, number 1. 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 (2) 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 to initiate further investigative and control measures in a practical and timely manner.

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NOTES: This report was prepared in the Division of Vital Statistics. The authors gratefully acknowledge the assistance of numerous staff throughout the National Center for Health Statistics who assisted in producing the monthly Mortality Surveillance System charts and text from the second year: Statistical methodology assistance was provided by Randy Curtin and Myron Katzoff, Statistical Methods Staff, Office of Research and Methodology; programming support by Charles Royer and David Johnson, Systems and Programming Branch, Division of Vital Statistics; content review by Thomas D. Dunn, Statistical Resources Branch, Division of Vital Statistics. This report was edited by Patricia Keaton-Williams with graphics by Sarah Hinkle and typeset by Jacqueline M. Davis of the Publications Branch, Division of Data Services.

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 monthly 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 by Serfling (3), Collins (4), Choi and Thacker (5), Lui and Kendal (6), and Shumway (7). 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 (8). In Great Britain a surveillance system uses final rather than provisional mortality data (9).

The MSS was inaugurated with the February 1989 issue of the MVSR (volume 38, number 2). It consists of a series of charts and text published monthly 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 recently. 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 (10).

Topics for the second 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.



**Topics for the second year of the Mortality Surveillance System: MVSР Issues, Volume 39, Number 2–Volume 40, Number 1**

<i>Volume 39, Number 2</i>	<i>February 1990</i>	<i>Volume 39, Number 8</i>	<i>August 1990</i>
Infant mortality Neonatal mortality Postneonatal mortality Congenital anomalies Sudden infant death syndrome Respiratory distress syndrome	Infants aged under 1 year Infants aged under 28 days Infants aged 28 days–11 months Infants aged under 1 year Infants aged under 1 year Infants aged under 1 year	Diabetes mellitus  Malignant neoplasms of trachea, bronchus, and lung Malignant neoplasm of breast	Females aged 45–64 years Males aged 45–64 years Females aged 65–74 years Males aged 65–74 years Females aged 65–74 years  Females aged 65–74 years
<i>Volume 39, Number 3</i>	<i>March 1990</i>	<i>Volume 39, Number 9</i>	<i>September 1990</i>
Diseases of heart	Females aged 25–44 years Males aged 25–44 years Females aged 45–64 years Males aged 45–64 years Females aged 65–74 years Males aged 65–74 years	Malignant neoplasms of urinary organs Malignant neoplasm of prostate  Malignant neoplasm of ovary	Females aged 45–74 years Males aged 45–74 years Males aged 45–64 years Males aged 65–74 years Females aged 45–64 years Females aged 65–74 years
<i>Volume 39, Number 4</i>	<i>April 1990</i>	<i>Volume 39, Number 10</i>	<i>October 1990</i>
Chronic obstructive pulmonary diseases and allied conditions  Chronic liver disease and cirrhosis	Females aged 45–64 years Males aged 45–64 years Females aged 65–74 years Males aged 65–74 years Females aged 45–64 years Males aged 45–64 years	Pneumonia and influenza  Malignant neoplasms of trachea, bronchus, and lung	Females aged 25–64 years Males aged 25–64 years Females aged 65–74 years Males aged 65–74 years Males aged 45–54 years Males aged 55–64 years
<i>Volume 39, Number 5</i>	<i>May 1990</i>	<i>Volume 39, Number 11</i>	<i>November 1990</i>
Cerebrovascular diseases	Females aged 45–64 years Males aged 45–64 years Females aged 65–74 years Males aged 65–74 years Females aged 75–84 years Males aged 75–84 years	Motor vehicle accidents	Females aged under 15 years Males aged under 15 years Females aged 25–44 years Males aged 25–44 years Females aged 45–64 years Males aged 45–64 years
<i>Volume 39, Number 6</i>	<i>June 1990</i>	<i>Volume 39, Number 12</i>	<i>December 1990</i>
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues	Females aged 25–44 years Males aged 25–44 years Females aged 45–64 years Males aged 45–64 years Females aged 65–74 years Males aged 65–74 years	Motor vehicle accidents  Homicide and legal intervention  Suicide	Females aged 15–24 years Males aged 15–24 years Females aged 15–24 years Males aged 15–24 years Females aged 15–24 years Males aged 15–24 years
<i>Volume 39, Number 7</i>	<i>July 1990</i>	<i>Volume 40, Number 1</i>	<i>January 1991</i>
Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus  Malignant neoplasms of trachea, bronchus, and lung Malignant neoplasm of breast	Females aged 45–64 years Males aged 45–64 years Females aged 65–74 years Males aged 65–74 years Females aged 45–64 years  Females aged 45–64 years	Human immunodeficiency virus infection Symptoms, signs, and ill-defined conditions Septicemia	Females aged 25–44 years Males aged 25–44 years Females aged 25–44 years Males aged 25–44 years Females aged 65–74 years Males aged 65–74 years

# Methods

## Sources of data

The MSS charts are based entirely on monthly provisional data from the 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 (11,12).

## 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 for surveillance and because such a model is easy to use and interpret. The following time series regression model with five terms was 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

$\epsilon_t$  = error terms, assumed 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 two 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.

For the first 2 months of the second year of the MSS (volume 39, numbers 2 and 3), the coefficients of the model for the 72 charts were estimated using provisional monthly death rates from January 1979 to 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. For subsequent months of the second year, the length of the period used in estimating the coefficients of the model varied from month to month because of the decision to use a projection period of exactly 12 months of provisional death rates; although the period projected remained the same length from month to month, the period modeled changed as more data became available. The symbols in each chart represent actual monthly death rates based on the CMS.

Using the model for 144 different charts in the first 2 years of the MSS has been an exploratory and learning process. By the end of the first year and for the entire second 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

Of the 72 charts published during the second year of the MSS, 14 age-sex-cause groups were identified where there may have been a change in trend in the most recent period since 1987 or a greater or smaller rate of change in the recent period than shown previously: infant, neonatal, and postneonatal mortality; Sudden infant death syndrome; Respiratory distress syndrome; Cerebrovascular diseases for males aged 65–74 years and for females aged 75–84 years; Diabetes mellitus for males and females aged 45–64 and for females aged 65–74 years; Motor vehicle accidents for females aged 45–64 and 15–24 years; Homicide and legal intervention for males aged 15–24 years; and Human immunodeficiency virus (HIV) infection for females aged 25–44 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 on pages 6–41. Shown in tables 1–12 are provisional monthly estimates of numbers of deaths and death rates for 1979–90 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, therefore, are considered unreliable. Rates based on 100 or fewer estimated deaths are indicated by an asterisk in this table. 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 second year of the MSS (volume 39, number 2) there were six charts, representing infant mortality (deaths to children under 1 year); neonatal mortality (under 28 days); postneonatal mortality (28 days to 11 months); and selected causes of infant mortality: Congenital anomalies, Sudden infant death syndrome, and Respiratory distress syndrome. The charts and text as previously published for these six charts are on pages 6–8. 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 December 1989. 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 decreased for infant and neonatal mortality during the period 1979–87. For Congenital anomalies, Sudden infant death syndrome, and Respiratory distress syndrome, the trend in the monthly provisional death rates was also down during this same period. Except for 1 month in one of these charts, the observed monthly rates in the projected 24 months of 1988 and 1989 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, as mentioned in the texts, infant and postneonatal mortality rates and infant mortality rates for Sudden infant death syndrome showed a seasonal pattern with provisional monthly death rates generally higher during the winter months.

In table 1 are the provisional monthly estimates of deaths and death rates for these six charts; that is, for infant mortality for the three age groups, under 1 year, under 28 days, and 28 days to 11 months, and for three selected causes of infant mortality. These monthly rates were used in producing these six 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 32 for Respiratory distress syndrome to 339 for infant mortality. As indicated by the estimated coefficients of the model parameters and their corresponding probabilities in table 13, four of the first six MSS charts used the four-variable model and two dropped the harmonic terms. The adjusted  $R^2$  values for these first six models for the six topics ranged from 0.2420 for Congenital anomalies to 0.8672 for infant mortality from all causes.

## Discussion

As indicated in the charts and also in the statistics in table 13, the five-term model was a good general model for modeling mortality data for most age-sex-cause groups. The entire five-term model was used for 49 of the 72 charts. For 23 of the 72 charts the two harmonic terms were dropped because the monthly rates for these age-sex-cause groups did not exhibit 12-month seasonal patterns. Among these 23 charts, 17 represented specified cancers or all cancers combined; for selected demographic groups one was for Suicide for females aged 15–24 years, one was for Homicide and legal intervention for females aged 15–24 years, two for HIV infection for

males and females aged 25–44 years, one for Congenital anomalies, and one for Respiratory distress syndrome.

Although the objective was to apply the five-term model to the actual monthly death rates whenever possible, it was necessary to transform the data by the natural logarithm for 2 of the 72 charts (Septicemia for males and females aged 65–74 years) to avoid negative prediction intervals for the model. The data were transferred back by the inverse of the natural logarithm in the published charts on page 41. As indicated in table 13 the statistics for these two cases are based on a model that used data transformed by the natural logarithm.

As 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 six of the 72 models of the second year: for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues for males and females aged 25–44 years; for Malignant neoplasms of urinary organs for males and females aged 45–74 years; for Malignant neoplasm of prostate for males aged 65–74 years; and for Homicide and legal intervention for females 15–24 years.

Since the second year of the MSS, the MSS topics have been reevaluated and expanded. Thus, 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 third year of the MSS, alternative models and modeling criteria merit study.

# Mortality Surveillance System

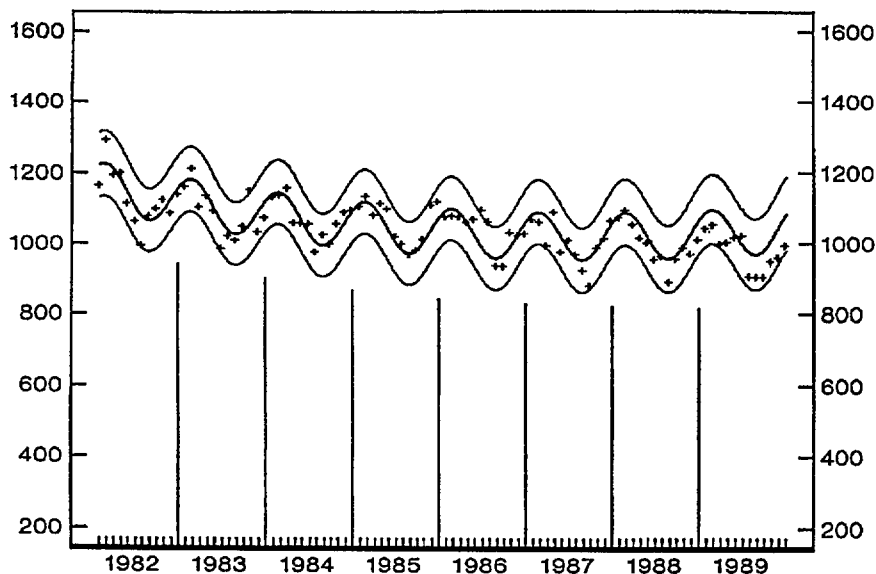


Figure 1. Infant mortality rates per 100,000 live births, by month: United States, 1982-89

In 1987, the latest year for which final mortality data are available, infant mortality accounted for 38,408 deaths, yielding an infant mortality rate of 1008.2 infant deaths per 100,000 live births. Provisional infant mortality rates for infants decreased from 1979 to 1987, though at a slower pace during the latter years of this period. As shown in the chart, the observed rates for January 1988–December 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly infant mortality rates for 1979–87; however, most of the 1989 provisional rates were below the predicted line, suggesting a greater rate of decline than predicted by the model. Infant mortality rates showed a seasonal pattern of mortality with a tendency for rates to be somewhat higher during the winter.

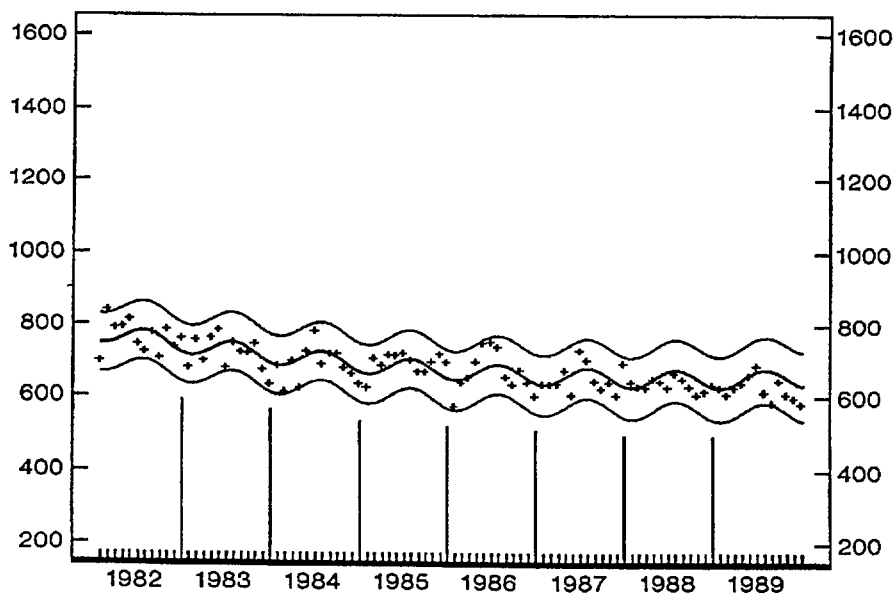


Figure 2. Neonatal mortality rates per 100,000 live births, by month: United States, 1982-89

In 1987, the latest year for which final mortality data are available, neonatal mortality accounted for 24,627 deaths, or a rate of 646.5 neonatal deaths per 100,000 live births. Provisional mortality rates for infants under 28 days decreased from 1979 to 1987, though the latter years of this period, as shown in the chart, suggest that this trend may be continuing at a slower pace. The observed rates for January 1988–December 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly neonatal mortality rates for 1979–87; however, as with all infants, most of the 1989 provisional rates were below the predicted line, suggesting a greater rate of decline than predicted by the model.

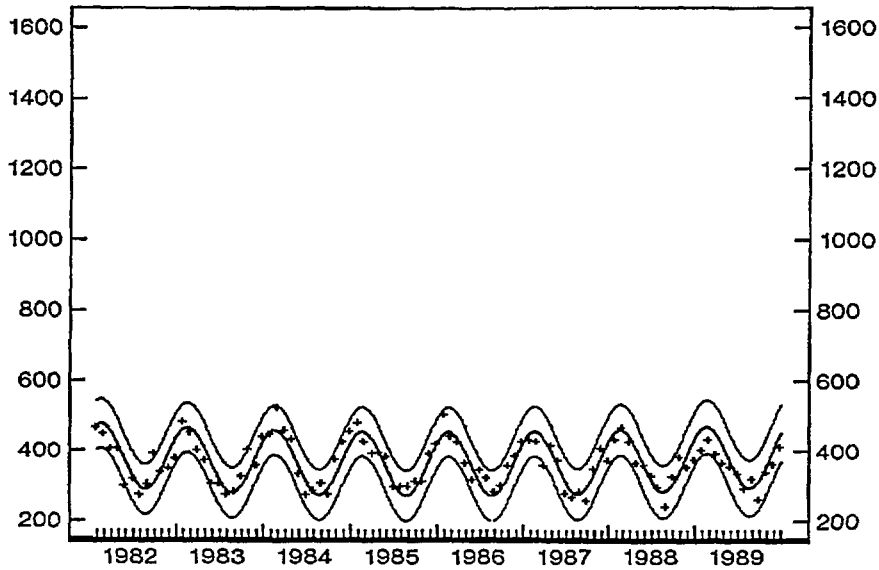


Figure 3. Postneonatal mortality rates per 100,000 live births, by month: United States, 1982-89

According to final data for 1987, postneonatal mortality accounted for 13,781 deaths, or a rate of 361.8 postneonatal deaths per 100,000 live births. Although provisional mortality rates for infants 28 days to 11 months decreased somewhat for the period shown in the chart through 1987, evidence from recent years suggests a slowing of this trend. The observed monthly postneonatal mortality rates for January 1988-December 1989 fell within the prediction intervals of a model estimated on the basis of provisional rates for 1979-87. Mortality rates for these infants showed a seasonal pattern of mortality with a tendency for rates to be somewhat higher during the winter.

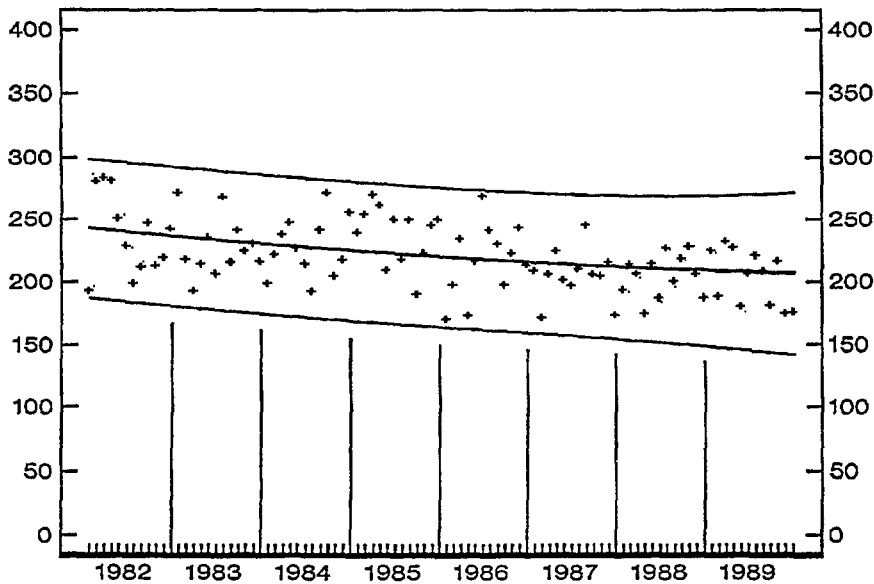


Figure 4. Infant mortality rates per 100,000 live births for Congenital anomalies, by month: United States, 1982-89

According to final data for 1987, Congenital anomalies accounted for 7,884 deaths, or 21 percent of all deaths to infants under 1 year. For the period shown in the chart through 1987, provisional mortality rates for Congenital anomalies decreased for infants under 1 year. The observed monthly infant mortality rates for this cause for January 1988-December 1989 fell within the prediction intervals of a model estimated on the basis of provisional monthly mortality rates for 1979-87; however, half of the 1989 provisional rates were below the line predicted by the model, suggesting a greater rate of decline than predicted by the model. Based on 1989 annual provisional infant mortality rates, the rate for these infants was 2.4 times the rate for Respiratory distress syndrome and almost 2 times the rate for Sudden infant death syndrome.

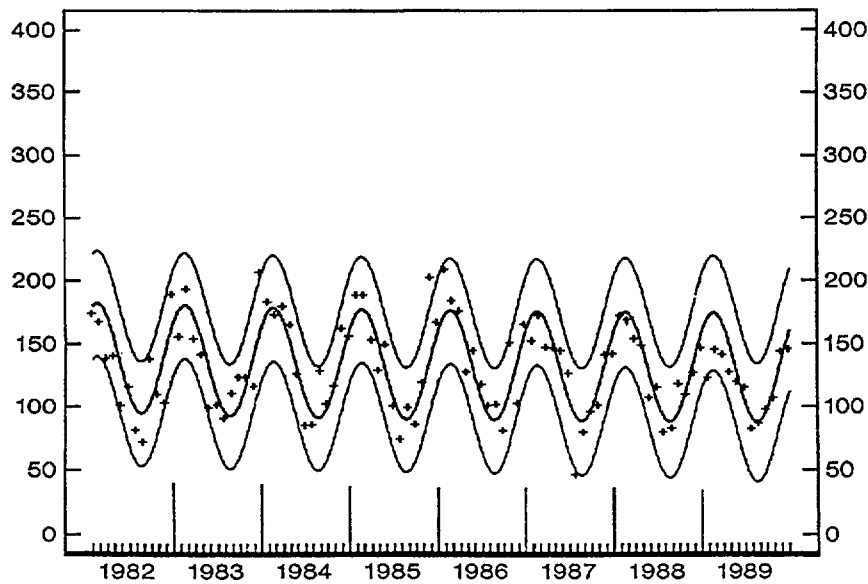


Figure 5. Infant mortality rates per 100,000 live births for Sudden infant death syndrome, by month: United States, 1982-89

In 1987 Sudden infant death syndrome accounted for 5,230 deaths, or 14 percent of all deaths to infants under 1 year. For the period shown in the chart through 1987, provisional infant mortality rates for Sudden infant death syndrome decreased for infants under 1 year. The observed monthly infant mortality rates for January 1988–December 1989, with the exception of 1 month, were within the prediction intervals of a model estimated on the basis of provisional monthly infant mortality rates for 1979–87; however, most of the 1989 provisional rates were below the line predicted by the model, suggesting a greater rate of decline than predicted by the model. Infant mortality rates for this cause showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter. Based on 1989 annual provisional infant mortality rates, the rate for these infants was 0.6 times the rate for Congenital anomalies and more than 1.4 times the rate for Respiratory distress syndrome.

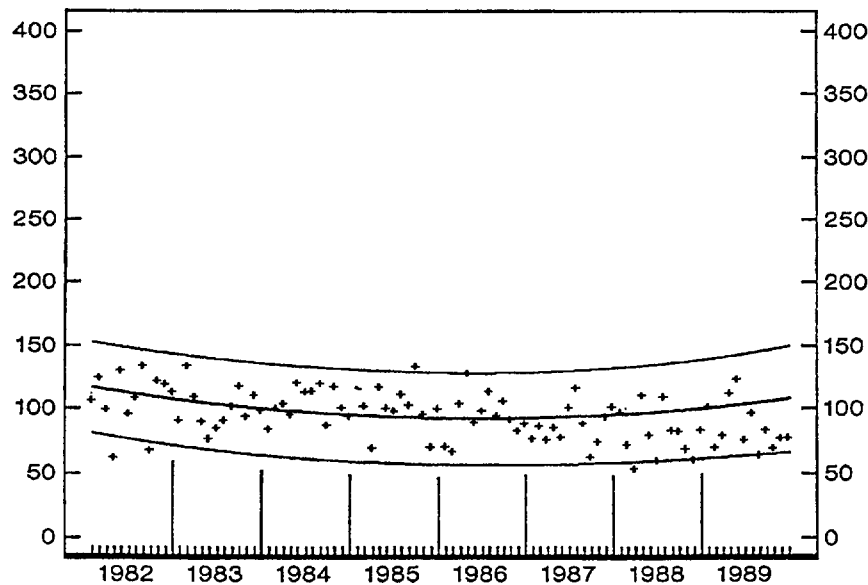


Figure 6. Infant mortality rates per 100,000 live births for Respiratory distress syndrome, by month: United States, 1982-89

In 1987 Respiratory distress syndrome accounted for 3,283 deaths, or 9 percent of all deaths to infants under 1 year. For the period shown in the chart through 1987, provisional infant mortality rates for Respiratory distress syndrome decreased though the latter years of this period suggest that this trend may be continuing at a slower pace. The observed monthly rates for January 1988–December 1989, with the exception of 3 months, were within the prediction intervals of a model estimated on the basis of provisional monthly infant mortality rates for 1979–87; however, most of the 1989 rates were below the line predicted by the model, suggesting a greater rate of decline than predicted by the model. Based on 1989 annual provisional infant mortality rates, the rate for these infants was 0.4 times the rate for Congenital anomalies and 0.7 times the rate for Sudden infant death syndrome.

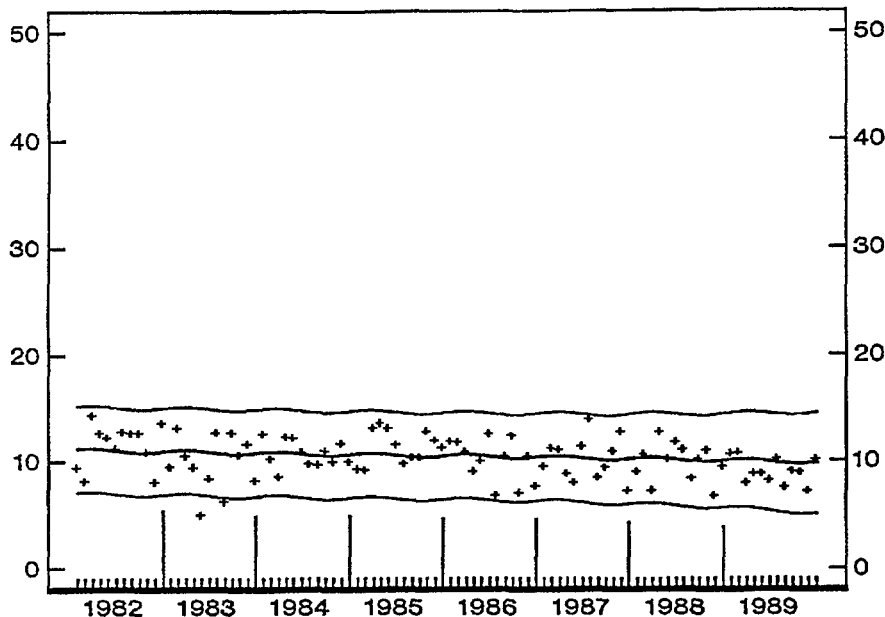


Figure 7. Death rates per 100,000 females 25-44 years of age for Diseases of heart, by month: United States, 1982-89

According to final data for 1987, Diseases of heart accounted for 4,105 deaths, or 10 percent of deaths from all causes for women aged 25-44 years. For these women this was the third most frequent cause of death after Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues (cancer) and Accidents and adverse effects. For the period shown in the chart through 1987 provisional death rates decreased for women aged 25-44 years. The observed monthly death rates for this cause for January 1988-December 1989 were consistent with a model estimated on the basis of provisional monthly death rates for 1979-87.

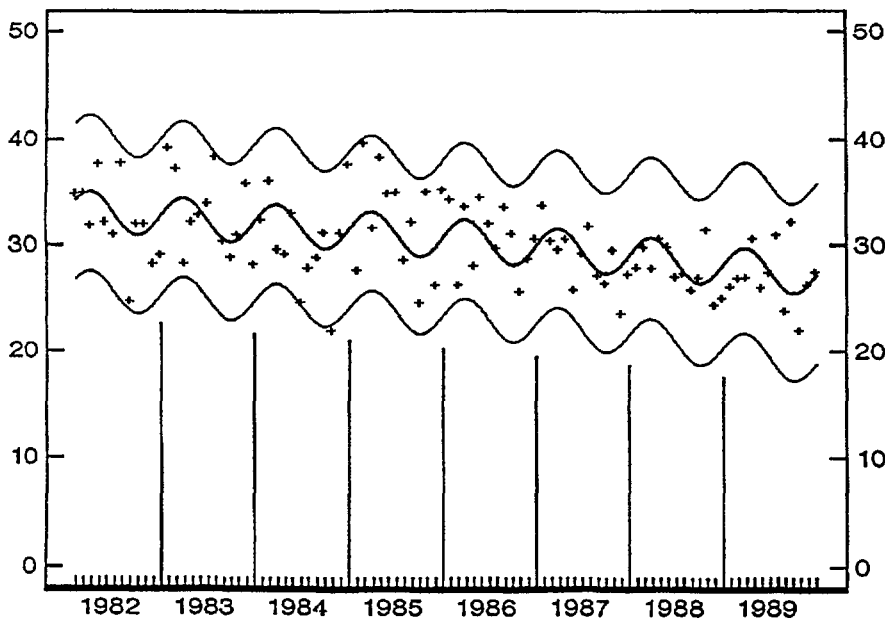


Figure 8. Death rates per 100,000 males 25-44 years of age for Diseases of heart, by month: United States, 1982-89

In 1987, the latest year for which final mortality data are available, Diseases of heart accounted for 11,769 deaths, or 13 percent of deaths from all causes for men aged 25-44 years. For these men Diseases of heart was the second most frequent cause of death after Accidents and adverse effects. For the period shown in the chart through 1987 provisional death rates for Diseases of heart decreased. The observed rates for January 1988-December 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 peak in death rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 3 times the rate for women in this age group.



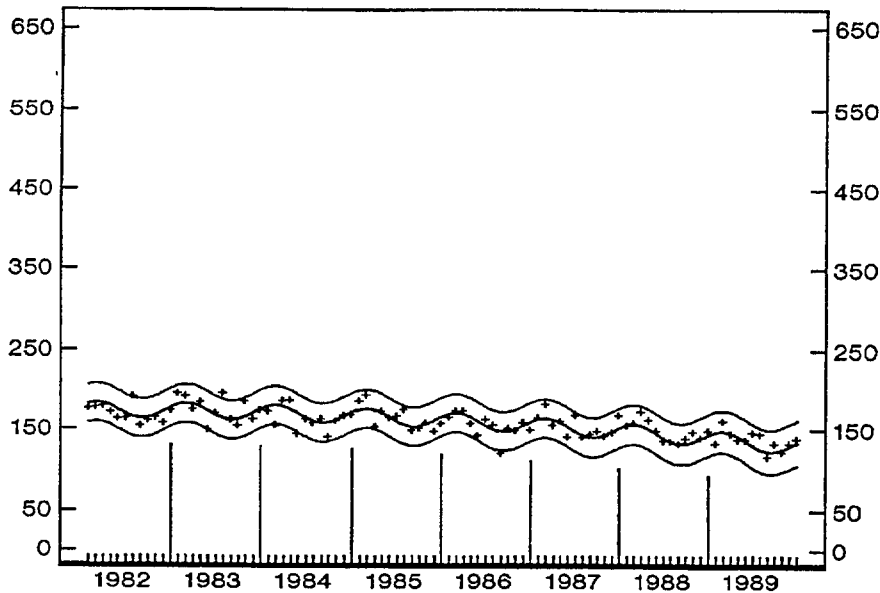


Figure 9. Death rates per 100,000 females 45-64 years of age for Diseases of heart, by month: United States, 1982-89

According to final data for 1987, Diseases of heart was the second most frequent cause of death (after cancer) for women aged 45-64 years and accounted for 36,380 deaths, or 25 percent of deaths from all causes for women in this age group. For these women provisional monthly death rates for Diseases of heart decreased from 1979 to 1987. The observed monthly death rates for January 1988-December 1989 were consistent with 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.

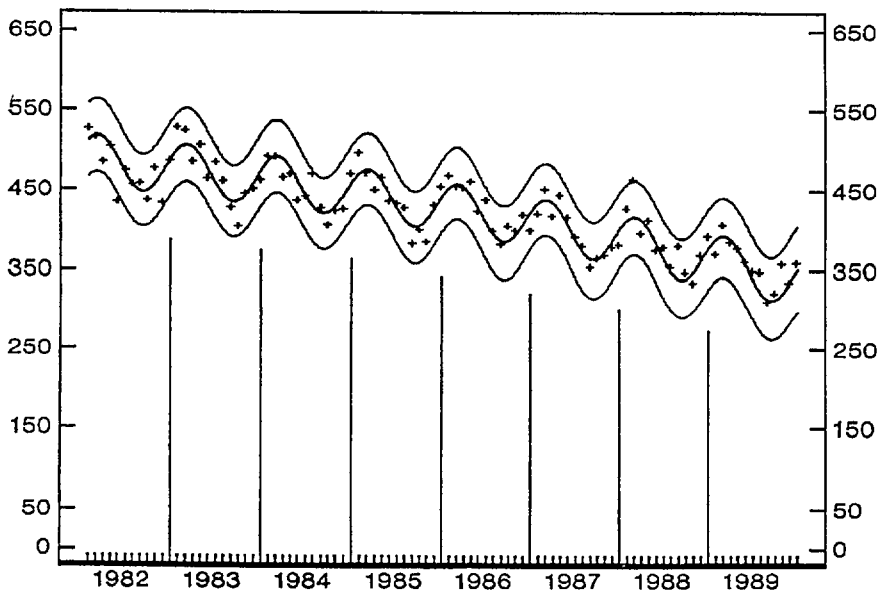


Figure 10. Death rates per 100,000 males 45-64 years of age for Diseases of heart, by month: United States, 1982-89

In 1987, the latest year for which final data are available, Diseases of heart was the most frequent cause of death for men aged 45-64 years and accounted for 86,345 deaths, or 36 percent of all deaths for men in this age group. For the period shown in the chart through 1987 provisional death rates for Diseases of heart decreased for men aged 45-64 years. Except for 1 month the observed monthly death rates for January 1988-December 1989 were 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 peak in death rates to occur during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 2.6 times the rate for women in this same age group.

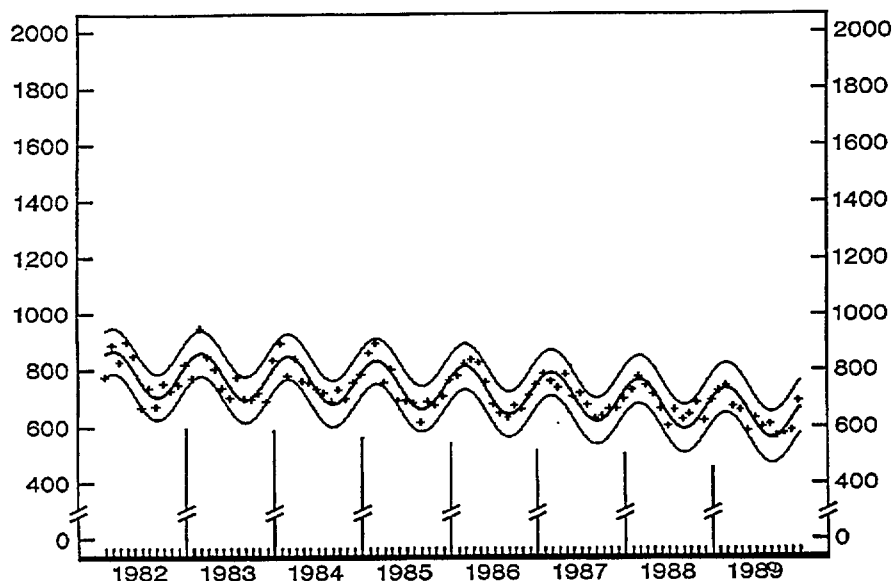


Figure 11. Death rates per 100,000 females 65-74 years of age for Diseases of heart, by month: United States, 1982-89

In 1987 Diseases of heart was the most frequent cause of death for women aged 65-74 years. It accounted for 69,425 deaths, or 34 percent of all deaths for these women. For the period shown in the chart through 1987 provisional death rates for Diseases of heart decreased for these women. The observed monthly rates for January 1988-December 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 showed a seasonal pattern of mortality with a tendency for the peak to occur in winter. Based on 1989 provisional annual death rates, the death rate for women in this age group was 4.7 times the rate for women aged 45-64 years and almost 71 times the rate for women aged 25-44 years.

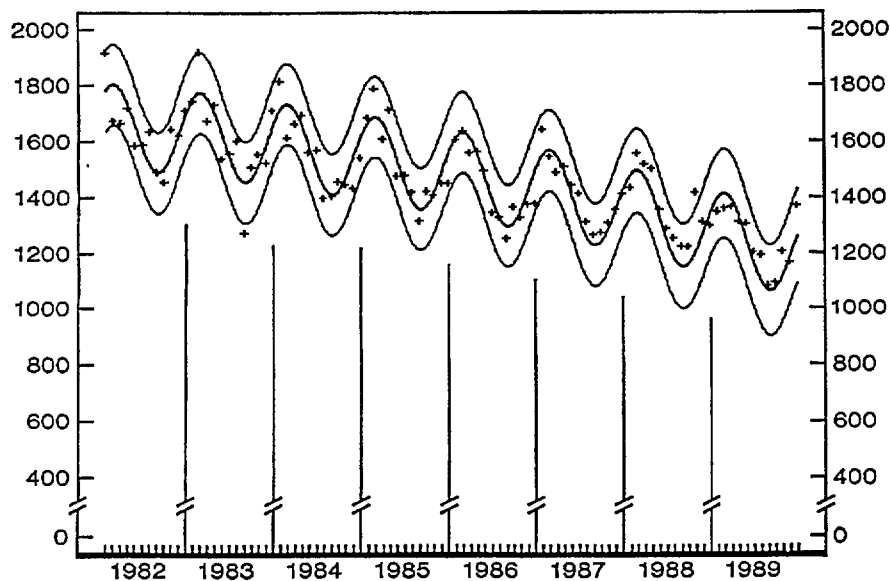


Figure 12. Death rates per 100,000 males 65-74 years of age for Diseases of heart, by month: United States, 1982-89

According to final data for 1987, Diseases of heart was the most frequent cause of death for men aged 65-74 years and accounted for 108,647 deaths, or 38 percent of deaths from all causes for men in this age group. For the period shown in the chart through 1987 provisional death rates for Diseases of heart for these men decreased. Except for 1 month the observed monthly death rates for this cause for January 1988-December 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 showed a seasonal pattern of mortality with the tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was almost twice the rate for women in this same age group; it was 3.5 times the rate for men aged 45-64 years and 46 times the rate for men aged 25-44 years.

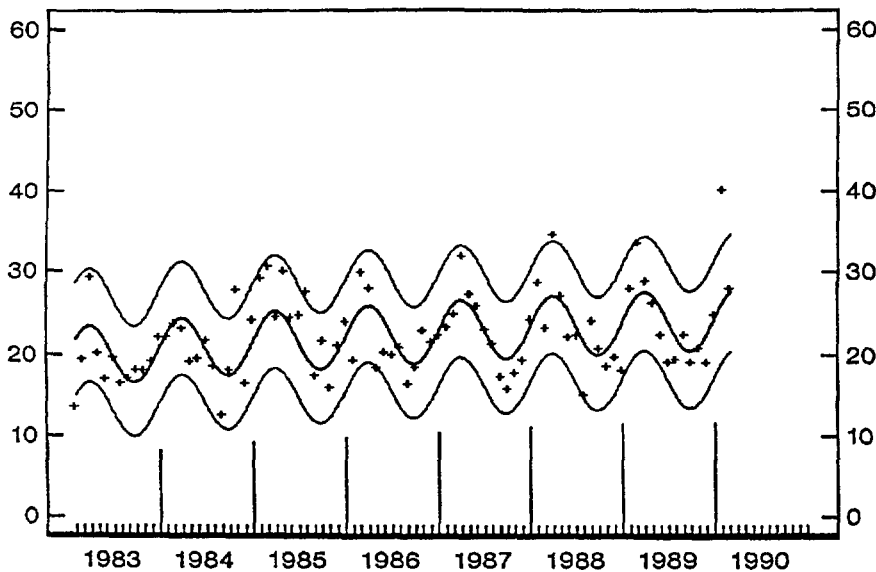


Figure 13. Death rates per 100,000 females 45-64 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1983-90

In 1987, the latest year for which final mortality data are available, Chronic obstructive pulmonary diseases and allied conditions (COPD) accounted for 5,371 deaths, or almost 4 percent of deaths from all causes for women aged 45-64 years. For these women, COPD was the fourth leading cause of death in 1987. For the period shown in the chart through February 1989, provisional death rates for COPD increased. The observed monthly rates for the most recent 12-month period, March 1989-February 1990, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-February 1989. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the late winter.

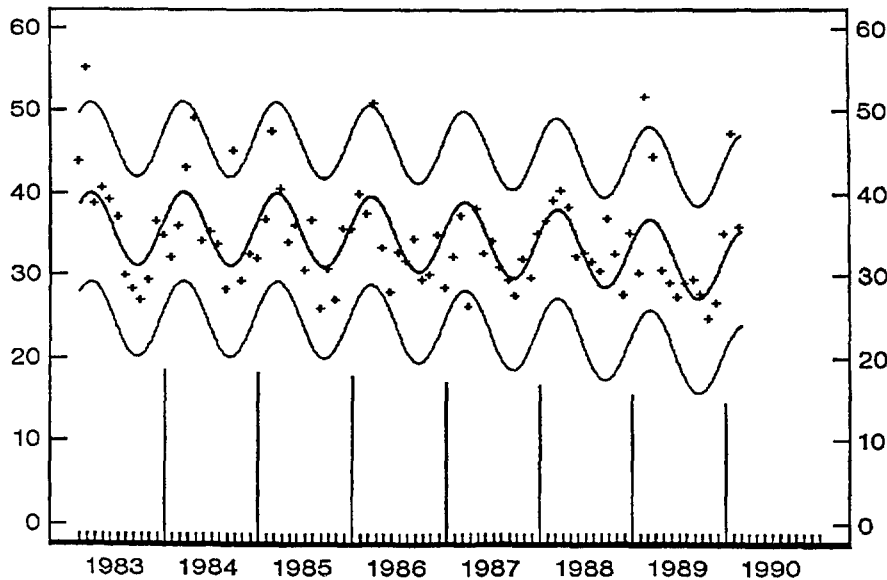


Figure 14. Death rates per 100,000 males 45-64 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1983-90

According to final data for 1987, COPD accounted for 7,222 deaths, or 3 percent of deaths from all causes for men aged 45-64 years. For these men, this was the sixth leading cause of death. Provisional death rates for COPD for these men increased slightly from 1979 to the mid-1980's, and as shown in the chart, have decreased slightly since then through February 1989. The observed monthly death rates for this cause for the most recent 12-month period, March 1989-February 1990, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-February 1989. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the late winter. The ratio of male to female provisional annual death rates for this age group has decreased from about 2 in 1979 to about 1½ in 1989.

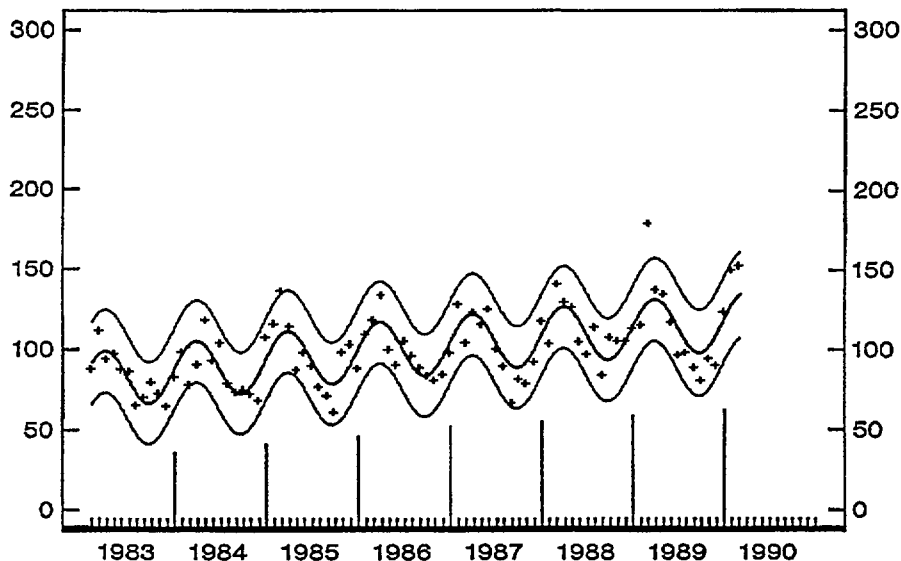


Figure 15. Death rates per 100,000 females 65-74 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1983-90

In 1987, the latest year for which final data are available, COPD was the fourth leading cause of death for women aged 65-74 years and accounted for 10,041 deaths, or almost 5 percent of all deaths for women in this age group. For the period shown in the chart through February 1989, provisional death rates for COPD increased. The observed monthly death rates for March 1989-February 1990, the most recent 12-month period, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-February 1989. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the late winter. Based on 1989 provisional annual death rates, the death rate for women in this age group was almost 5 times the rate for women aged 45-64 years.

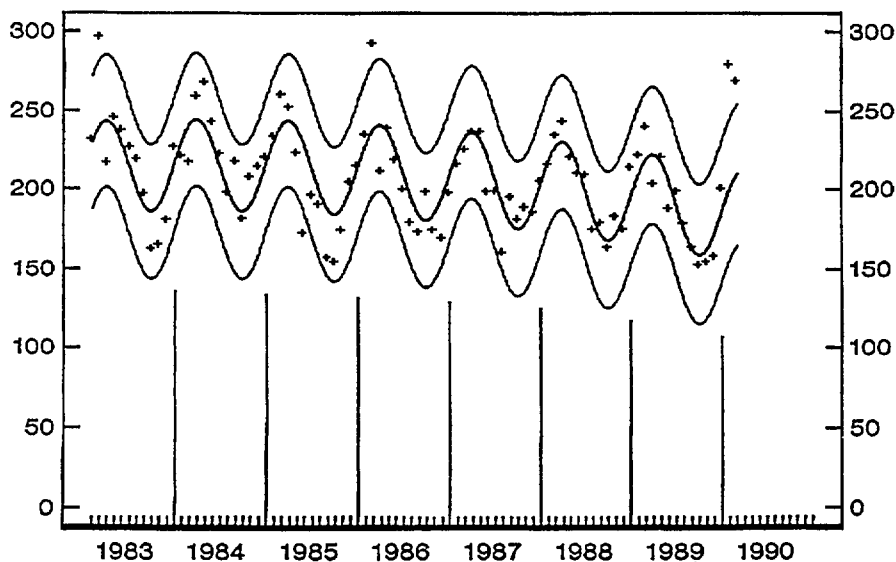


Figure 16. Death rates per 100,000 males 65-74 years of age for Chronic obstructive pulmonary diseases and allied conditions, by month: United States, 1983-90

According to final data for 1987, COPD was the third leading cause of death for men aged 65-74 years. It accounted for 15,666 deaths, or 6 percent of deaths from all causes for men in this age group. For these men, provisional death rates for COPD increased slightly from 1979 to the mid-1980's, and as shown in the chart, have decreased slightly since then through February 1989. The observed monthly death rates for this cause for March 1989-February 1990, with the exception of 2 months, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-February 1989. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the late winter. The ratio of male to female provisional annual death rates for this age group has decreased from 3.5 in 1979 to 1.7 in 1989.

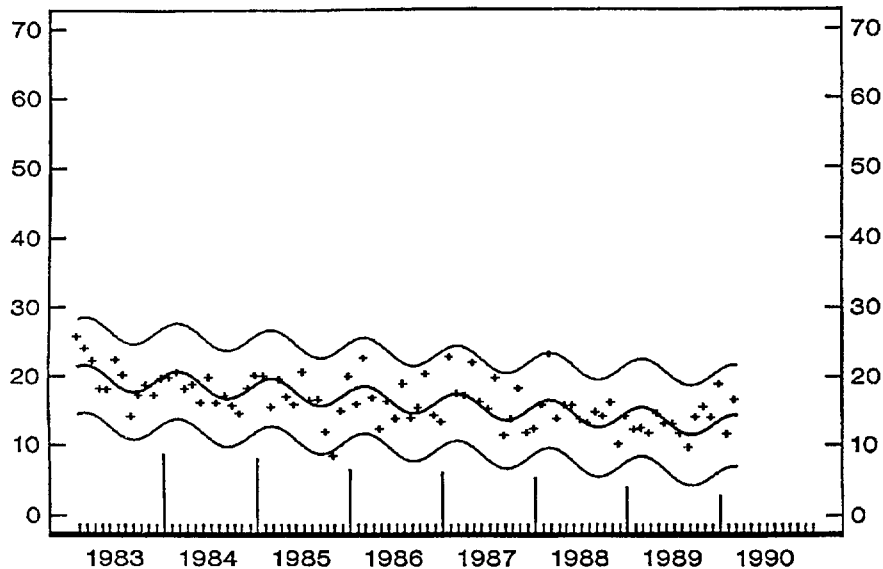


Figure 17. Death rates per 100,000 females 45-64 years of age for Chronic liver disease and cirrhosis, by month: United States, 1983-90

According to final data for 1987, Chronic liver disease and cirrhosis was the seventh leading cause of death for women aged 45-64 years and accounted for 3,596 deaths, or 2 percent of deaths from all causes for women in this age group. For the period shown in the chart through February 1989 provisional death rates for Chronic liver disease and cirrhosis decreased for these women. The observed monthly death rates for March 1989-February 1990, the most recent 12-month period, were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-February 1989. 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 late winter.

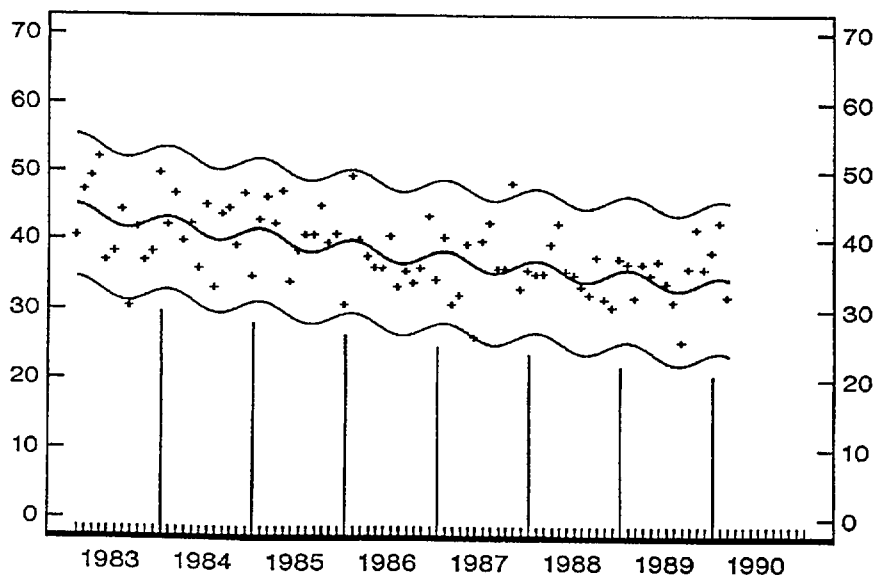


Figure 18. Death rates per 100,000 males 45-64 years of age for Chronic liver disease and cirrhosis, by month: United States, 1983-90

In 1987, Chronic liver disease and cirrhosis was the fifth leading cause of death for men aged 45-64 years. It accounted for 8,100 deaths, or 3 percent of all deaths for men in this age group. For the period shown in the chart through February 1989, provisional death rates for Chronic liver disease and cirrhosis decreased for these men. The observed monthly rates for March 1989-February 1990 were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-February 1989. Based on 1989 provisional annual death rates for Chronic liver disease and cirrhosis, the death rate for men in this age group was about 2½ times the rate for women in the same age group.

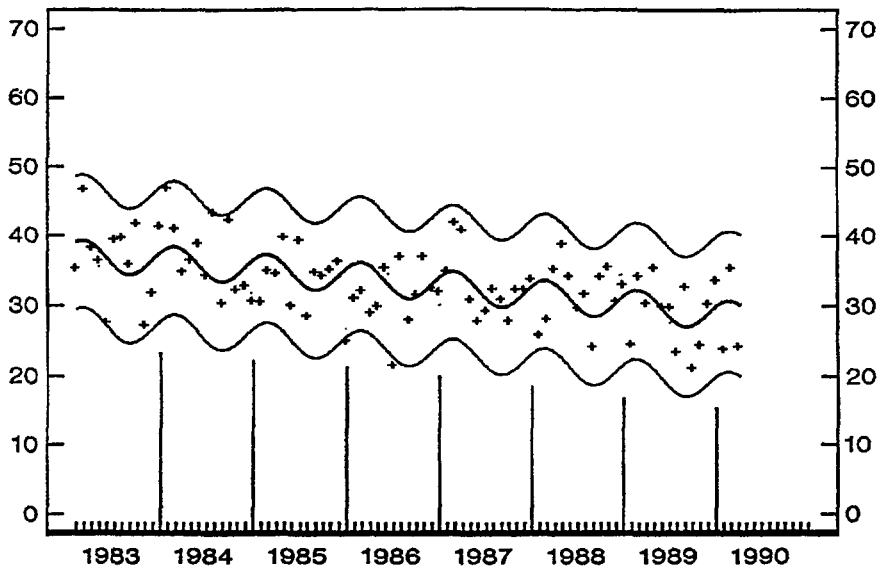


Figure 19. Death rates per 100,000 females 45-64 years of age for Cerebrovascular diseases, by month: United States, 1983-90

In 1987, the latest year for which final mortality data are available, Cerebrovascular diseases accounted for 7,516 deaths, or 5 percent of deaths from all causes for women aged 45-64 years. For these women, Cerebrovascular diseases was the third leading cause of death in 1987. For the period shown in the chart through March 1989, provisional death rates for Cerebrovascular diseases decreased. The observed monthly rates for the most recent 12-month period, April 1989-March 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter.

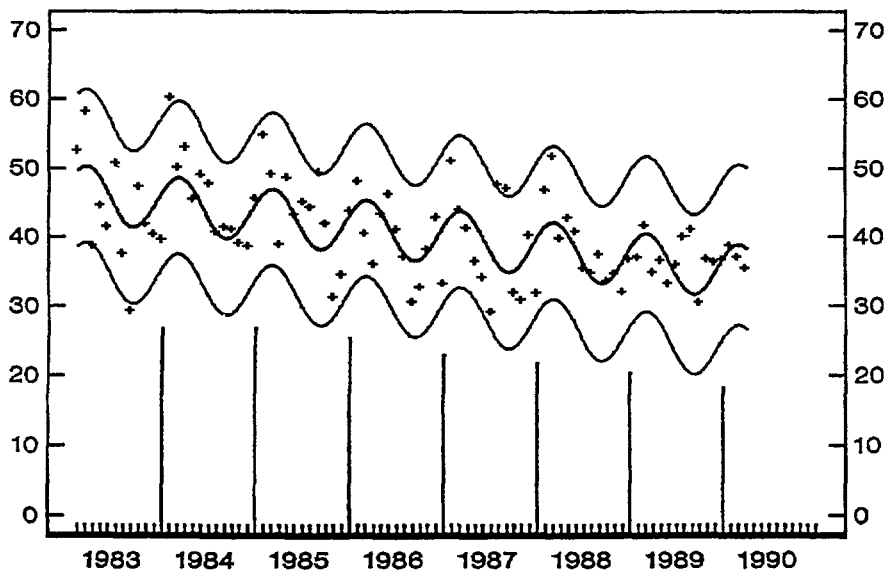


Figure 20. Death rates per 100,000 males 45-64 years of age for Cerebrovascular diseases, by month: United States, 1983-90

According to final data for 1987, Cerebrovascular diseases accounted for 8,644 deaths, or almost 4 percent of deaths from all causes for men aged 45-64 years. For these men, this was the fourth leading cause of death. For the period shown in the chart through March 1989, provisional death rates for Cerebrovascular diseases for these men decreased. The observed monthly death rates for this cause for the most recent 12-month period, April 1989-March 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 1.3 times the rate for women in this same age group.

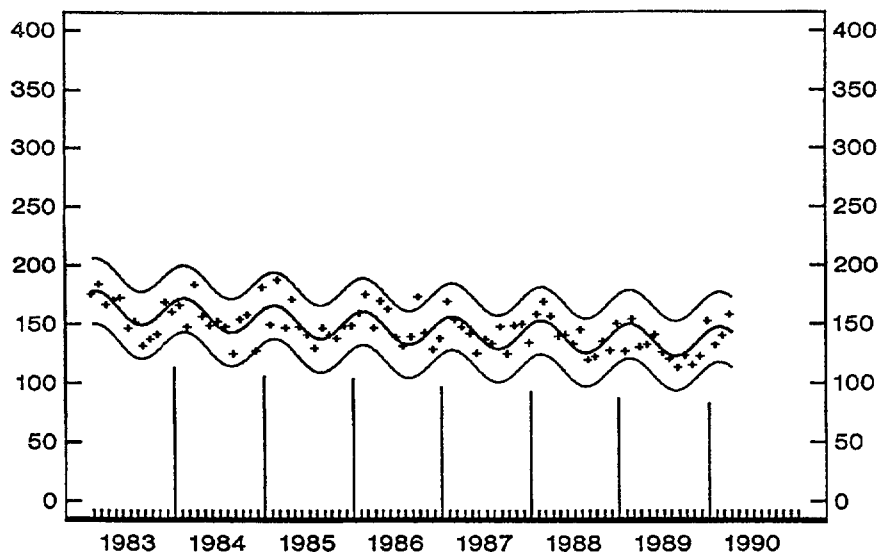


Figure 21. Death rates per 100,000 females 65-74 years of age for Cerebrovascular diseases, by month: United States, 1983-90

In 1987, the latest year for which final data are available, Cerebrovascular diseases was the third leading cause of death for women aged 65-74 years and accounted for 13,836 deaths, or almost 7 percent of all deaths for women in this age group. For the period shown in the chart through March 1989, provisional death rates for Cerebrovascular diseases decreased. The observed monthly death rates for the most recent 12-month period, April 1989-March 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for women in this age group was more than four times the rate for women aged 45-64 years.

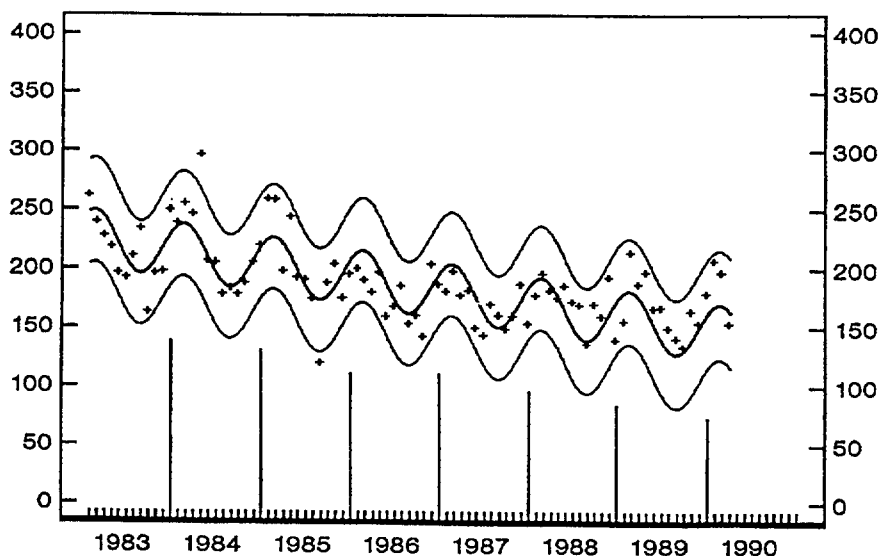


Figure 22. Death rates per 100,000 males 65-74 years of age for Cerebrovascular diseases, by month: United States, 1983-90

According to final data for 1987, Cerebrovascular diseases was the fourth leading cause of death for men aged 65-74 years. It accounted for 13,931 deaths, or almost 5 percent of deaths from all causes for men in this age group. For the period shown in the chart through March 1989, provisional death rates for these men decreased. The observed monthly death rates for this cause for April 1989-March 1990, the most recent 12-month period, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. However, most of the 1989 and 1990 provisional rates were above the predicted line, suggesting a smaller rate of decline than predicted by the model. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 1.3 times the rate for women in this age group.

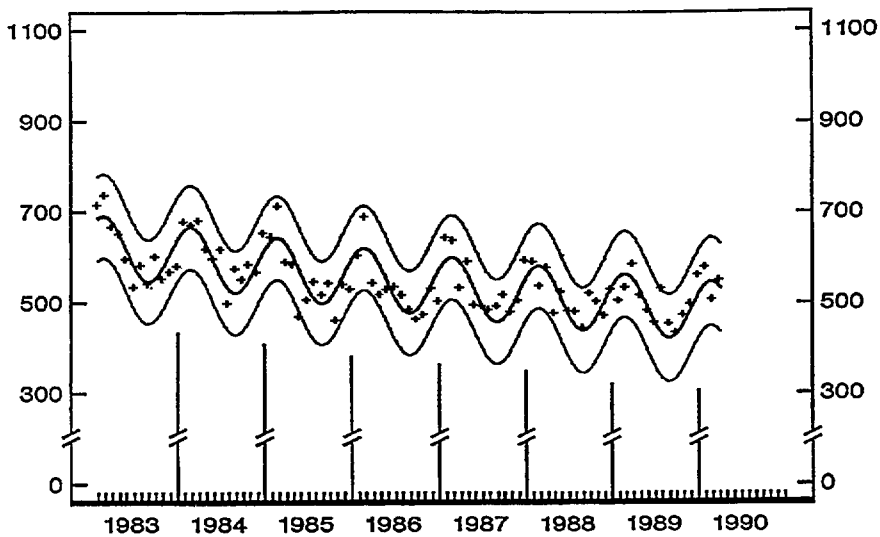


Figure 23. Death rates per 100,000 females 75-84 years of age for Cerebrovascular diseases, by month: United States, 1983-90

According to final data for 1987, Cerebrovascular diseases was the third leading cause of death for women aged 75-84 years and accounted for 30,978 deaths, or about 10 percent of deaths from all causes for women in this age group. For the period shown in the chart through March 1989 provisional death rates for Cerebrovascular diseases decreased for these women. The observed monthly death rates for April 1989-March 1990, the most recent 12-month period, were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. However, most of the 1989 and 1990 provisional rates were at or above the predicted line, suggesting a slowing of the downward trend. 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.

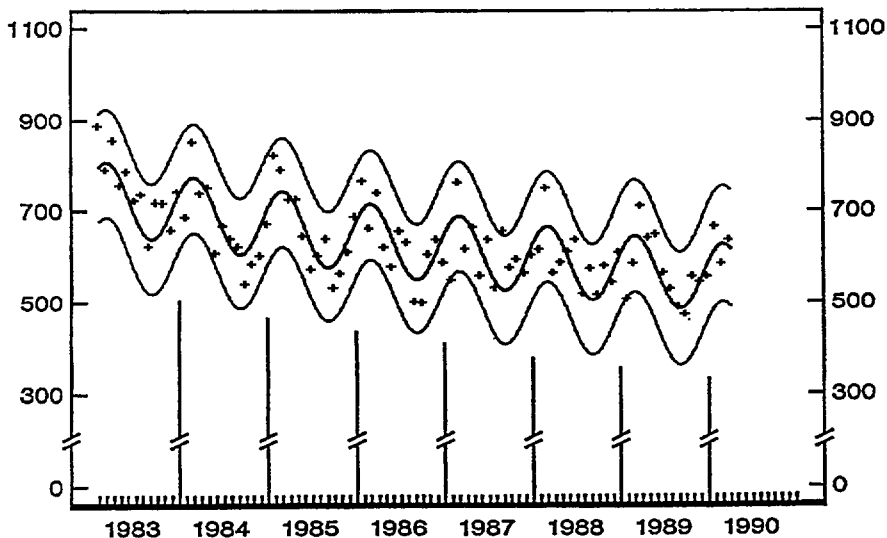


Figure 24. Death rates per 100,000 males 75-84 years of age for Cerebrovascular diseases, by month: United States, 1983-90

In 1987, Cerebrovascular diseases was the third leading cause of death for men aged 75-84 years. It accounted for 21,352 deaths, or more than 7 percent of all deaths for men in this age group. For the period shown in the chart through March 1989, provisional death rates for Cerebrovascular diseases decreased for these men. The observed monthly rates for April 1989-March 1990, the most recent 12-month period, were within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Based on 1989 provisional annual death rates for Cerebrovascular diseases, the death rate for men in this age group was slightly higher than the rate for women in the same age group.



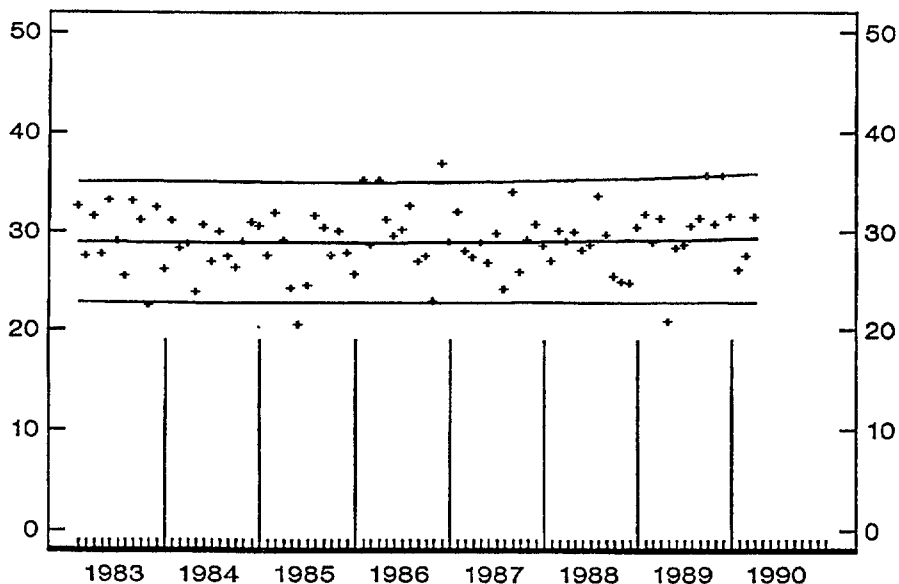


Figure 25. Death rates per 100,000 females 25-44 years of age for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by month: United States, 1983-90

In 1987, the latest year for which final mortality data are available, cancer accounted for 11,074 deaths, or almost 28 percent of deaths from all causes for women aged 25-44 years. For these women cancer was the leading cause of death in 1987. For the period shown in the chart through March 1989, there has been no discernible upward or downward trend in provisional death rates for this age-sex group. The observed monthly death rates for the most recent 12-month period, April 1989-March 1990 (with the exception of 2 months), fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989.

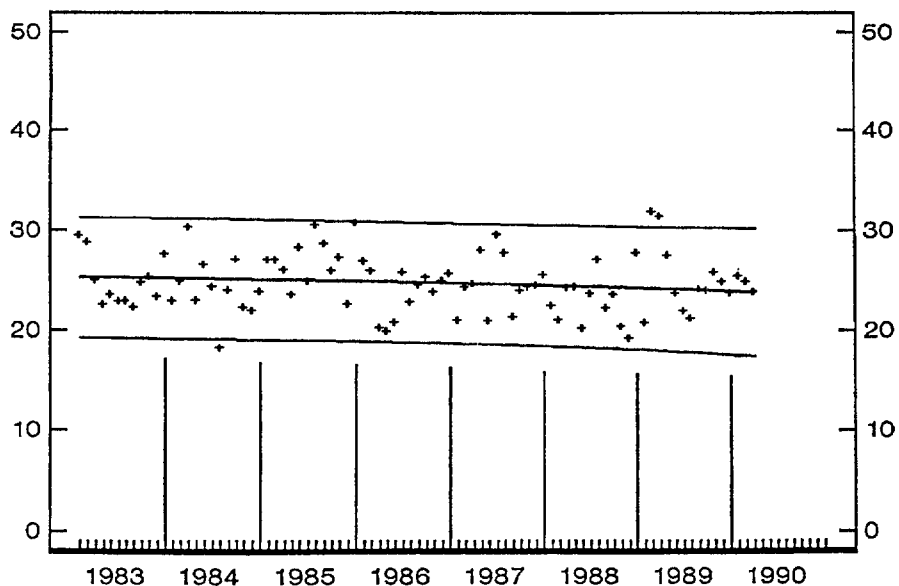


Figure 26. Death rates per 100,000 males 25-44 years of age for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by month: United States, 1983-90

According to final data for 1987, cancer accounted for 9,231 deaths, or about 10 percent of deaths from all causes for men aged 25-44 years. For these men this was the fourth leading cause of death. For the period shown in the chart through March 1989, 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 April 1989-March 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 0.8 times the rate for women in this same age group.

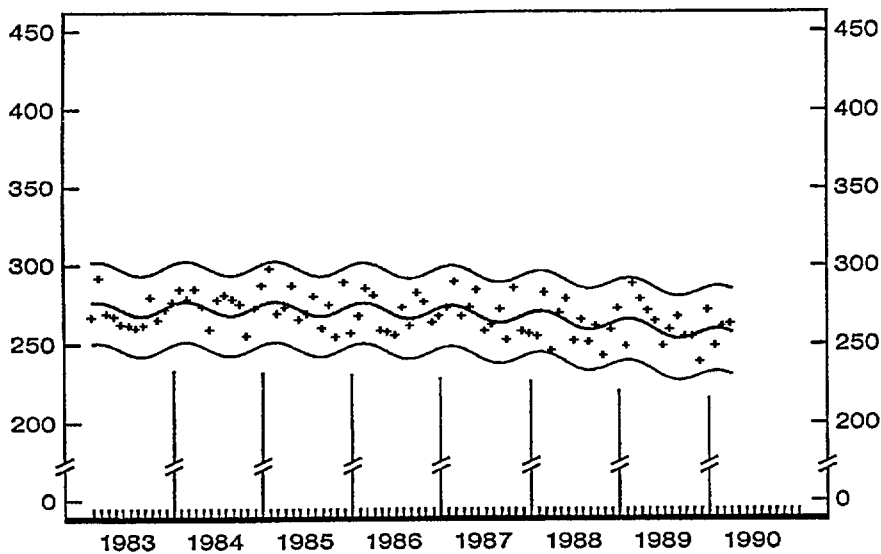


Figure 27. Death rates per 100,000 females 45-64 years of age for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by month: United States, 1983-90

In 1987, the latest year for which final data are available, cancer was the leading cause of death for women aged 45-64 years and accounted for 62,762 deaths, or 42 percent of all deaths for women in this age group. For these women provisional death rates for cancer increased from 1979 to the mid-1980's and, as shown in the chart, have decreased since then through March 1989. The observed monthly death rates for the most recent 12-month period, April 1989-March 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be somewhat higher during the winter. Based on 1989 provisional annual death rates, the cancer death rate for women in this age group was almost 9 times the rate for women aged 25-44 years.

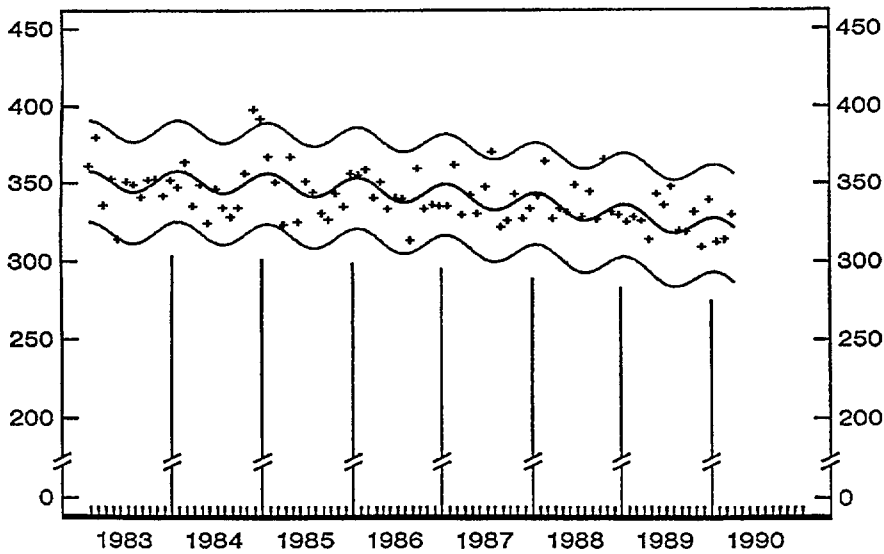
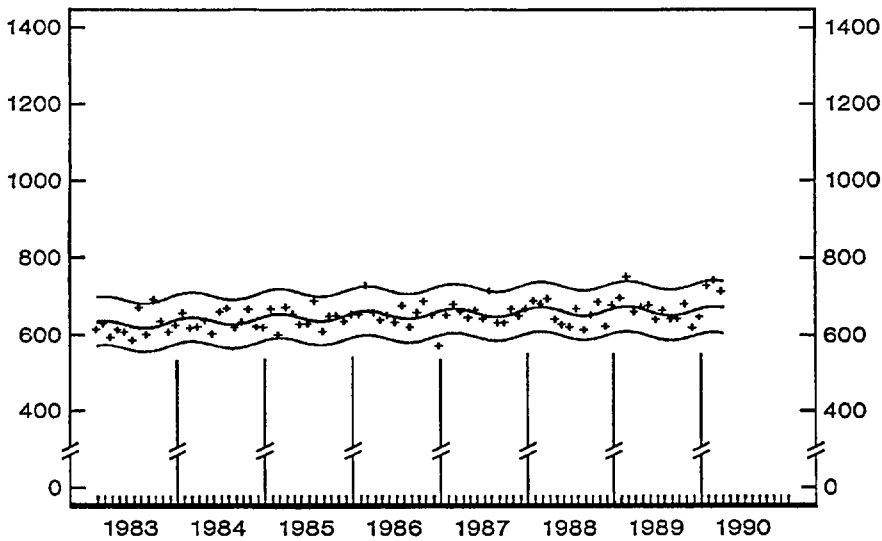


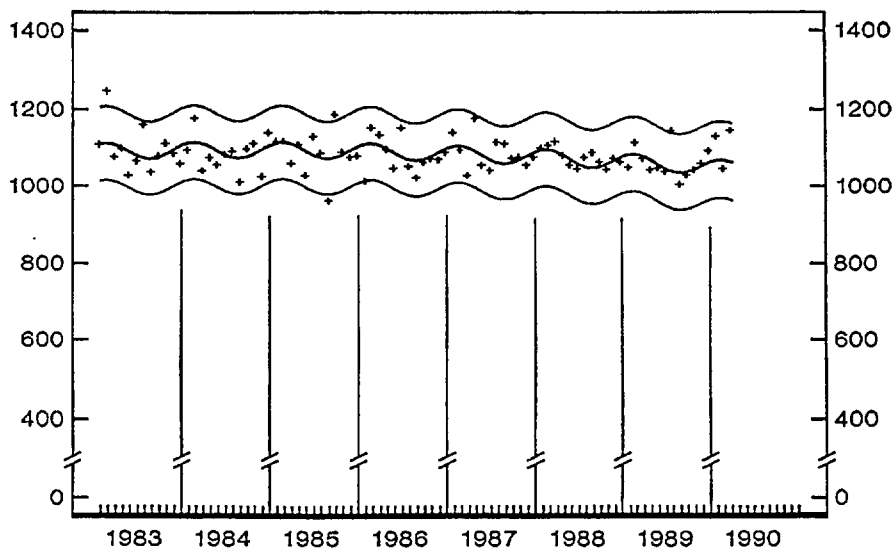
Figure 28. Death rates per 100,000 males 45-64 years of age for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by month: United States, 1983-90

According to final data for 1987, cancer was the second leading cause of death for men aged 45-64 years. It accounted for 73,902 deaths, or almost 31 percent of deaths from all causes for men in this age group. For these men provisional death rates for cancer increased from 1979 to the early 1980's and, as shown in the chart, have decreased since then through March 1989. The observed monthly death rates for this cause for April 1989-March 1990, the most recent 12-month period, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be somewhat higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 1.3 times the rate for women in this age group and 13 times the rate for men aged 25-44 years.



**Figure 29.** Death rates per 100,000 females 65-74 years of age for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by month: United States, 1983-90

According to final data for 1987, cancer was the second leading cause of death for women aged 65-74 years and accounted for 64,231 deaths, or 32 percent of deaths from all causes for women in this age group. For the period shown in the chart through March 1989, provisional death rates for cancer increased for these women. The observed monthly death rates for April 1989-March 1990, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality with the tendency for rates to be somewhat higher during the winter. Based on 1989 provisional annual death rates, the death rate for women in this age group was 2½ times the rate for women aged 45-64 years.



**Figure 30.** Death rates per 100,000 males 65-74 years of age for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by month: United States, 1983-90

In 1987, cancer was the second leading cause of death for men aged 65-74 years. It accounted for 84,815 deaths, or 30 percent of all deaths for men in this age group. For these men provisional death rates for cancer increased from 1979 to the early 1980's and, as shown in the chart, have decreased since then through March 1989. The observed monthly death rates for April 1989-March 1990, with the exception of 1 month, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality with the tendency for rates to be somewhat higher during the winter. Based on 1989 provisional annual death rates for cancer, the death rate for men in this age group was about 1½ times the rate for women in the same age group and about 3 times the rate for men aged 45-64 years.

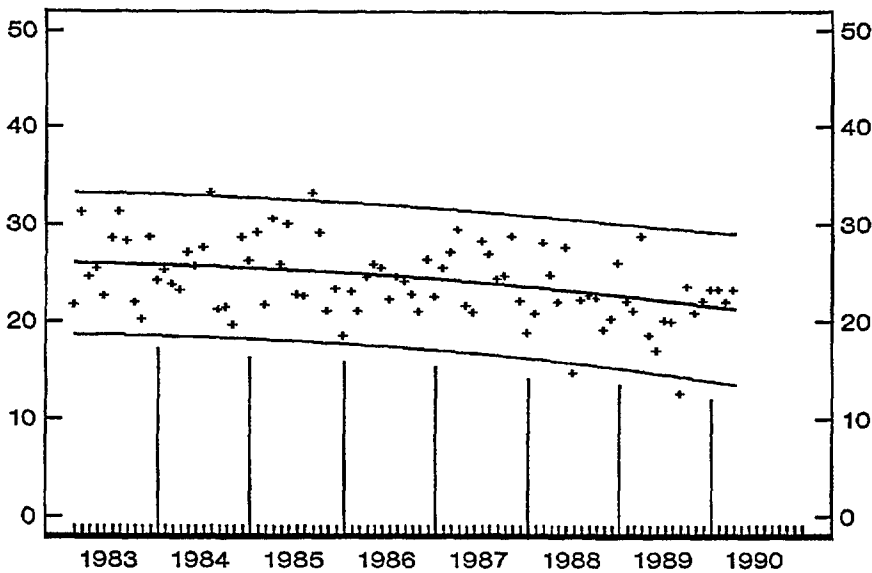


Figure 31. Death rates per 100,000 females 45-64 years of age for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus, by month: United States, 1983-90

In 1987, the latest year for which final mortality data are available, Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus (colo-rectal cancer) accounted for 5,680 deaths, or 4 percent of deaths from all causes for women aged 45-64 years. Provisional death rates for this age-sex group increased from 1979 to the early 1980's and, as shown in the chart, have decreased since then through March 1989. The observed monthly death rates for the most recent 12-month period, April 1989-March 1990, (with the exception of 1 month) fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989.

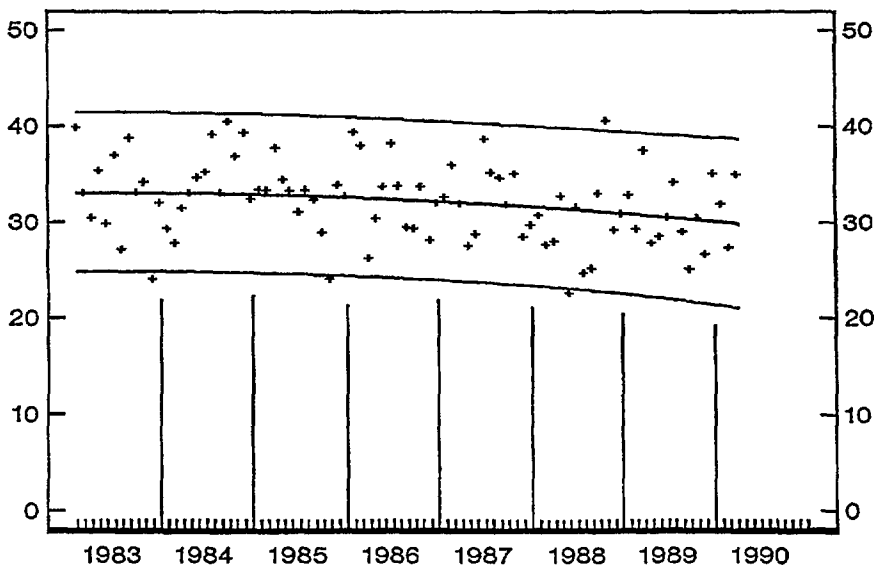


Figure 32. Death rates per 100,000 males 45-64 years of age for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus, by month: United States, 1983-90

According to final data for 1987, colo-rectal cancer accounted for 7,098 deaths, or 3 percent of deaths from all causes for men aged 45-64 years. Provisional death rates for this age-sex group increased from 1979 to the mid-1980's and, as shown in the chart, have decreased since then through March 1989. The observed monthly death rates for this cause for April 1989-March 1990 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 1.5 times the rate for women in this same age group.

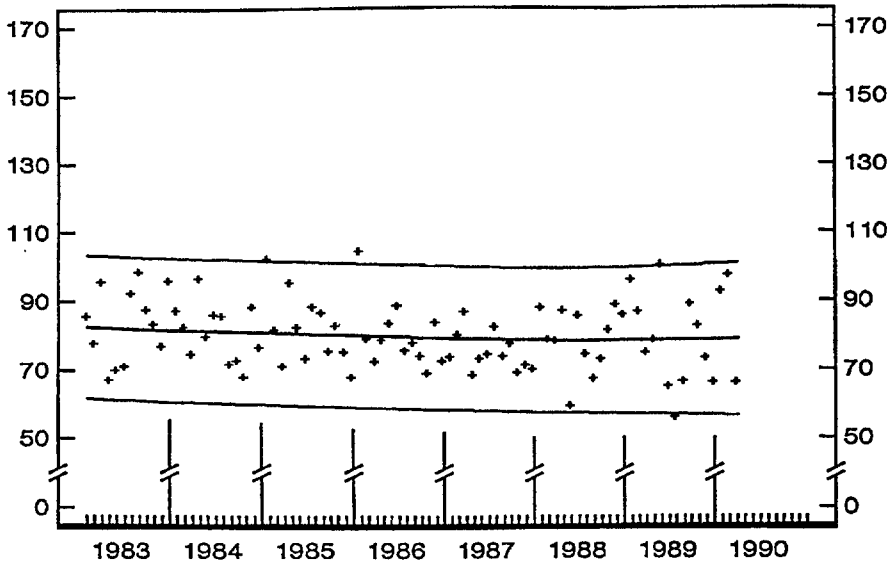


Figure 33. Death rates per 100,000 females 65-74 years of age for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus, by month: United States, 1983-90

In 1987, the latest year for which final data are available, colo-rectal cancer accounted for 7,659 deaths, or almost 4 percent of all deaths for women aged 65-74 years. For the period shown in the chart through March 1989, provisional death rates for colo-rectal cancer decreased for these women. The observed monthly death rates for the most recent 12-month period, April 1989-March 1990, (with the exception of 2 months) fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Based on 1989 provisional annual death rates, the death rate for women in this age group was 3.7 times the rate for women aged 45-64 years.

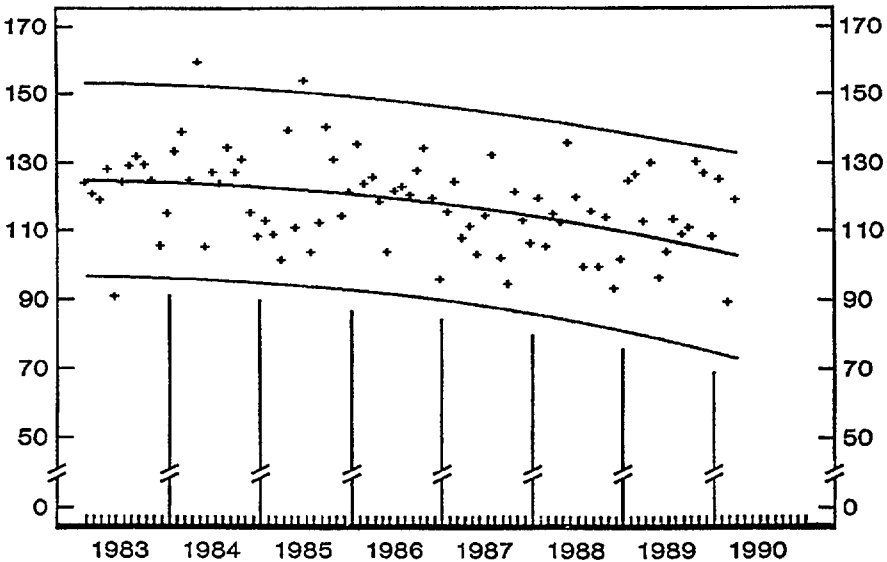


Figure 34. Death rates per 100,000 males 65-74 years of age for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus, by month: United States, 1983-90

According to final data for 1987, colo-rectal cancer accounted for 9,129 deaths, or 3 percent of deaths from all causes for men aged 65-74 years. For these men provisional death rates for this cause increased from 1979 to the mid-1980's and, as shown in the chart, have decreased since then through March 1989. The observed monthly death rates for this cause for April 1989-March 1990, the most recent 12-month period, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 1.5 times the rate for women in this age group and 3.8 times the rate for men aged 45-64 years.

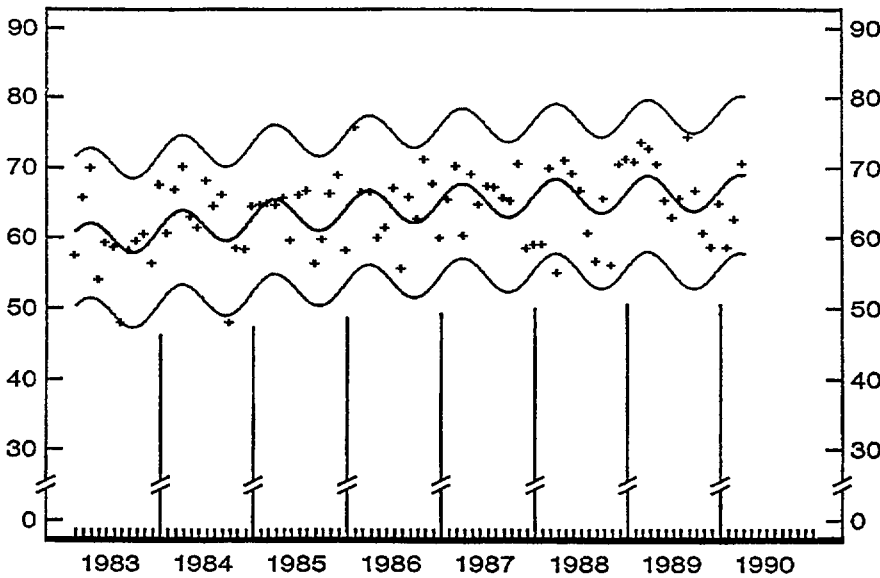


Figure 35. Death rates per 100,000 females 45-64 years of age for Malignant neoplasms of trachea, bronchus, and lung, by month: United States, 1983-90

In 1987, Malignant neoplasms of trachea, bronchus, and lung (lung cancer) was a major cause of cancer mortality and accounted for 15,209 deaths, or 24 percent of all cancer deaths for women aged 45-64 years. For the period shown in the chart through March 1989, provisional death rates for lung cancer increased for these women. The observed monthly death rates for April 1989-March 1990 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989. 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.

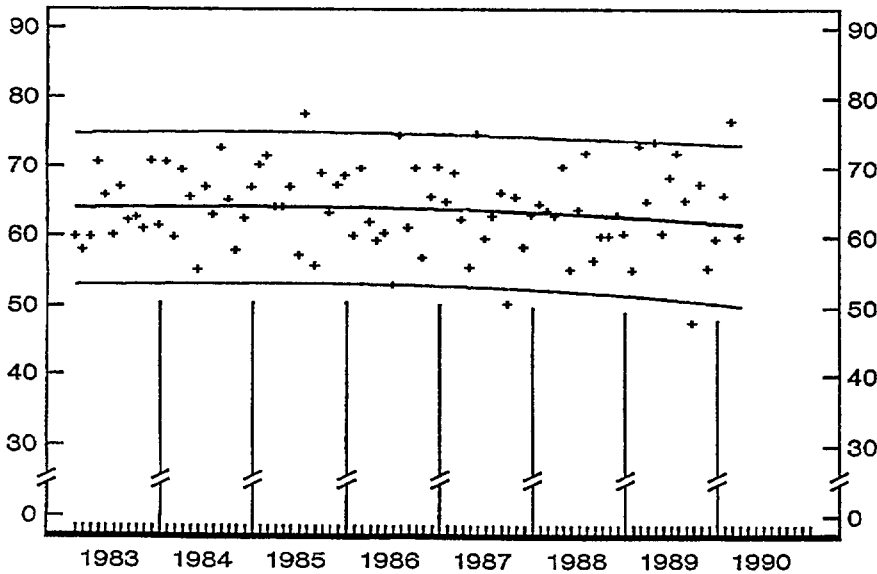


Figure 36. Death rates per 100,000 females 45-64 years of age for Malignant neoplasm of breast, by month: United States, 1983-90

According to final data for 1987, Malignant neoplasm of breast (breast cancer) was also a major cause of cancer mortality and accounted for 14,844 deaths, also 24 percent of all cancer mortality for women aged 45-64 years. For these women provisional death rates for breast cancer increased slightly from 1979 to the mid-1980's and, as shown in the chart, have decreased slightly since then through March 1989; the provisional annual death rate for 1989 was slightly higher than the rate for 1979. The observed monthly death rates for April 1989-March 1990 (with the exception of 2 months) fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-March 1989.

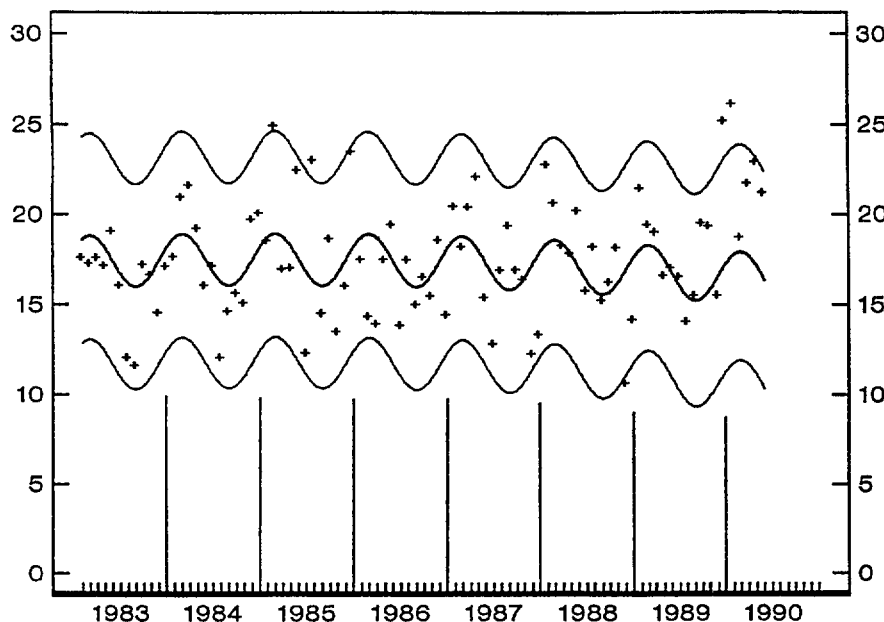


Figure 37. Death rates per 100,000 females 45-64 years of age for Diabetes mellitus, by month: United States, 1983-90

In 1987, the latest year for which final mortality data are available, Diabetes mellitus was the sixth leading cause of death for women aged 45-64 years and accounted for 4,019 deaths, or about 3 percent of deaths from all causes for these women. For the period shown in the chart through May 1989, there has been no discernible trend in provisional death rates for these women. For the most recent 12-month period, June 1989-May 1990, all but two of the observed monthly rates fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. However, of these 12 rates, 10 were above the prediction line, including 2 above the 95-percent prediction band. Although this may suggest that the trend is increasing, there is no known reason for this change in trend (13). These monthly death rates showed a seasonal pattern of mortality, with higher rates during the winter.

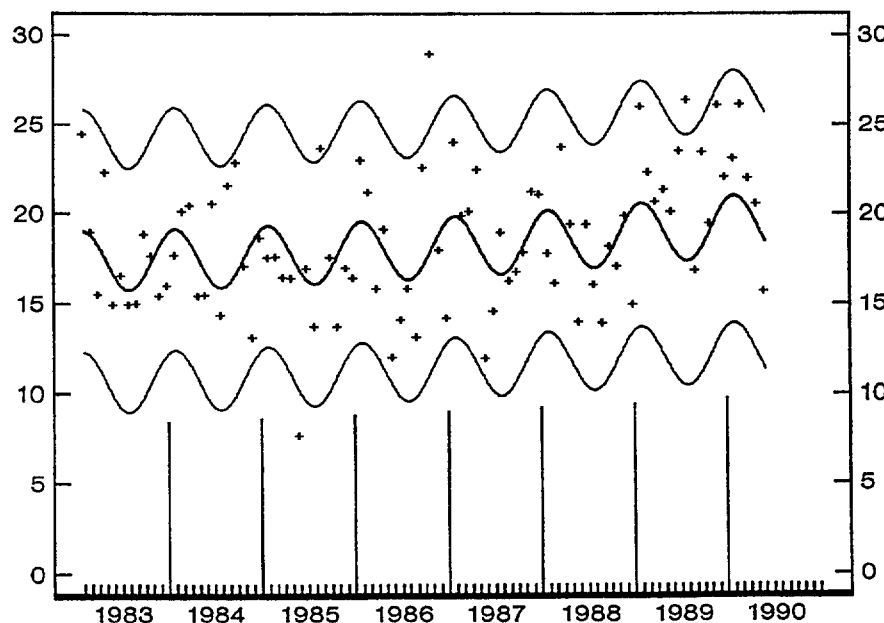


Figure 38. Death rates per 100,000 males 45-64 years of age for Diabetes mellitus, by month: United States, 1983-90

According to final data for 1987, Diabetes mellitus was the eighth leading cause of death for men aged 45-64 years and accounted for 4,153 deaths, or about 2 percent of deaths from all causes for these men. For the period shown in the chart through May 1989, provisional death rates increased slightly for these men. For the most recent 12-month period shown in the chart, all but one of the observed monthly rates fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. However, of these 12 rates, 10 were above the prediction line and 1 was above the 95-percent prediction band. Although this may suggest a larger increase than that shown in the past, there is no known reason for this trend (13). These monthly death rates showed a seasonal pattern of mortality, with higher rates during the winter.

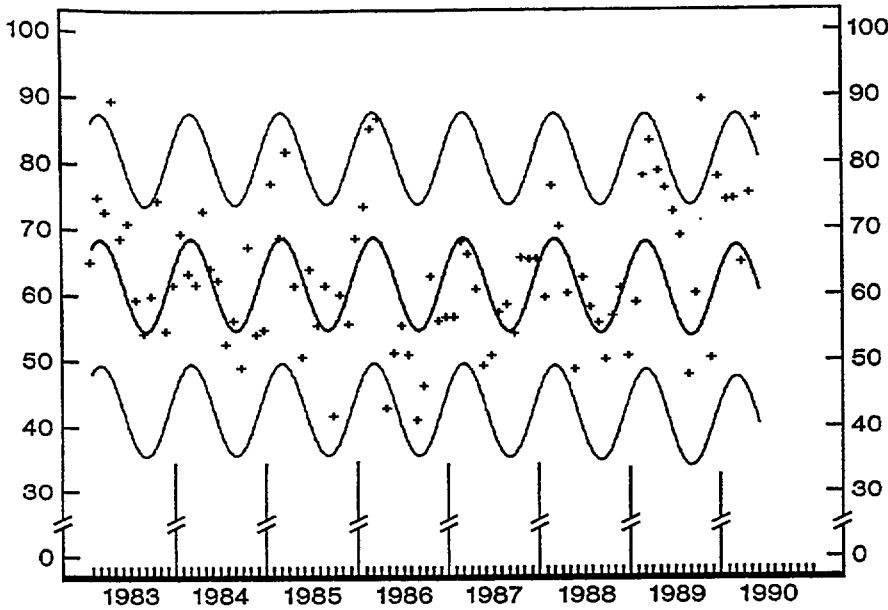


Figure 39. Death rates per 100,000 females 65-74 years of age for Diabetes mellitus, by month: United States, 1983-90

In 1987, the latest year for which final data are available, Diabetes mellitus was the fifth leading cause of death and accounted for 5,877 deaths, or about 3 percent of all deaths for women aged 65-74 years. For the period shown in the chart through May 1989, there has been no discernible upward or downward trend in the provisional death rates for Diabetes mellitus for these women. Most of the observed monthly rates for the latest 12-month period, from June 1989-May 1990, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. However, of these 12 rates, 9 were above the prediction line, including 2 above the 95-percent prediction band. Although this may suggest that the trend is increasing, there is no known reason for this change in trend (13). The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality, with a tendency toward higher rates during the winter. Based on provisional annual death rates for 1989, the death rate for women in this age group was 3.5 times the rate for women aged 45-64 years.

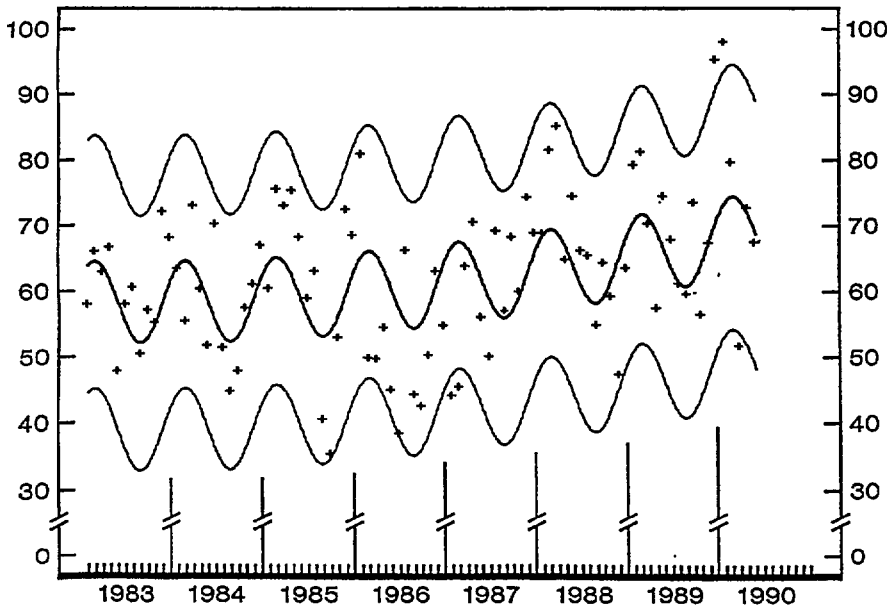


Figure 40. Death rates per 100,000 males 65-74 years of age for Diabetes mellitus, by month: United States, 1983-90

According to final data for 1987, Diabetes mellitus was the seventh leading cause of death for men aged 65-74 years and accounted for 4,912 deaths, or about 2 percent of deaths from all causes for these men. For this group provisional death rates have increased slightly since the mid-1980's through May 1989. The observed monthly rates for June 1989-May 1990, with the exception of 3 months, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for June 1979-May 1989. The monthly death rates for this cause and age-sex group showed a seasonal pattern of mortality, with a tendency toward higher rates during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was about the same as the rate for women in this age group and 3.1 times the rate for men aged 45-64 years.



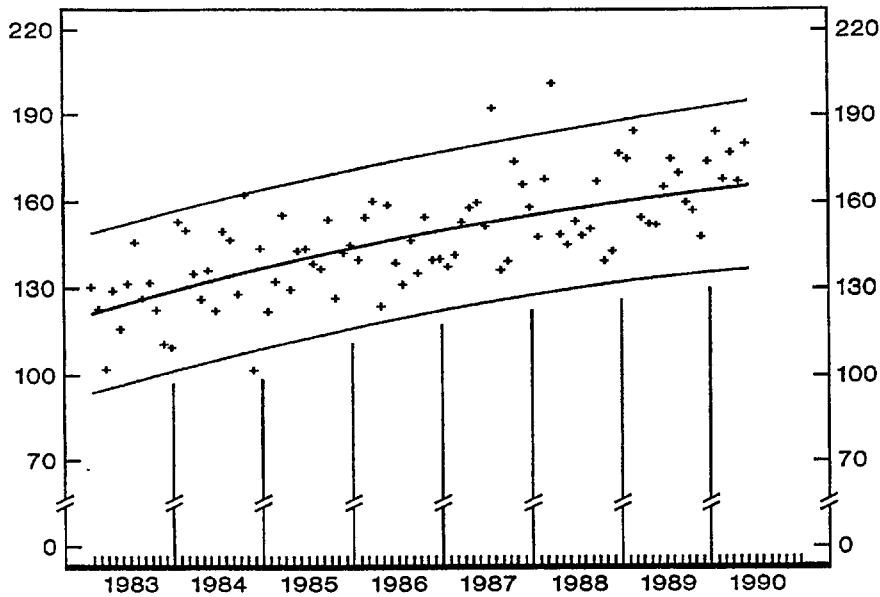


Figure 41. Death rates per 100,000 females 65-74 years of age for Malignant neoplasms of trachea, bronchus, and lung, by month: United States, 1983-90

In 1987, Malignant neoplasms of trachea, bronchus, and lung (lung cancer) was a major cause of cancer mortality and accounted for 15,137 deaths, or 24 percent of all cancer mortality for women aged 65-74 years. For the period shown in the chart through May 1989, provisional death rates for lung cancer increased for these women. The observed monthly rates for June 1989-May 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989.

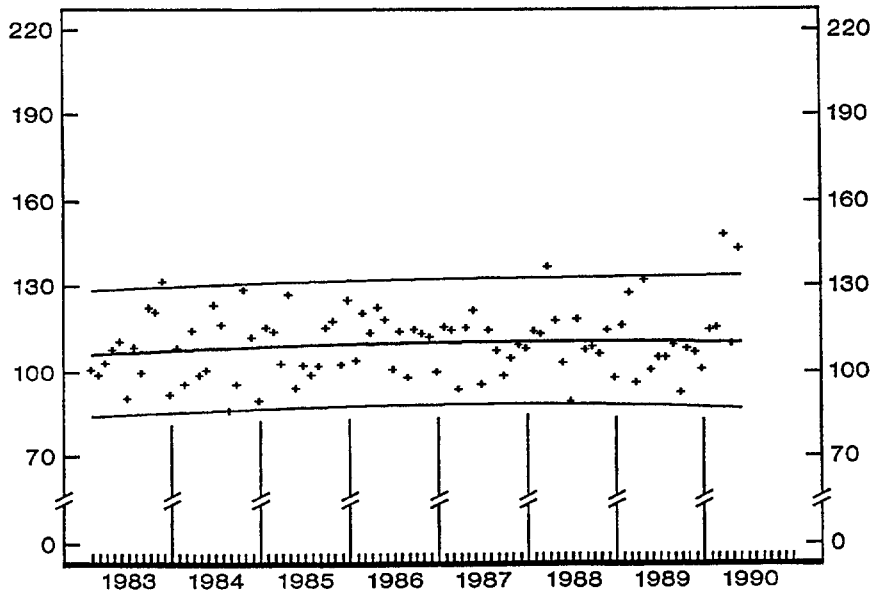


Figure 42. Death rates per 100,000 females 65-74 years of age for Malignant neoplasm of breast, by month: United States, 1983-90

According to final data for 1987, Malignant neoplasm of breast (breast cancer) was also a major cause of cancer mortality and accounted for 10,664 deaths, or 17 percent of all cancer mortality, for women aged 65-74 years. For the period shown in the chart through May 1989 provisional death rates for breast cancer increased slightly for these women. The observed monthly death rates for June 1989-May 1990, except for 2 months, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989.

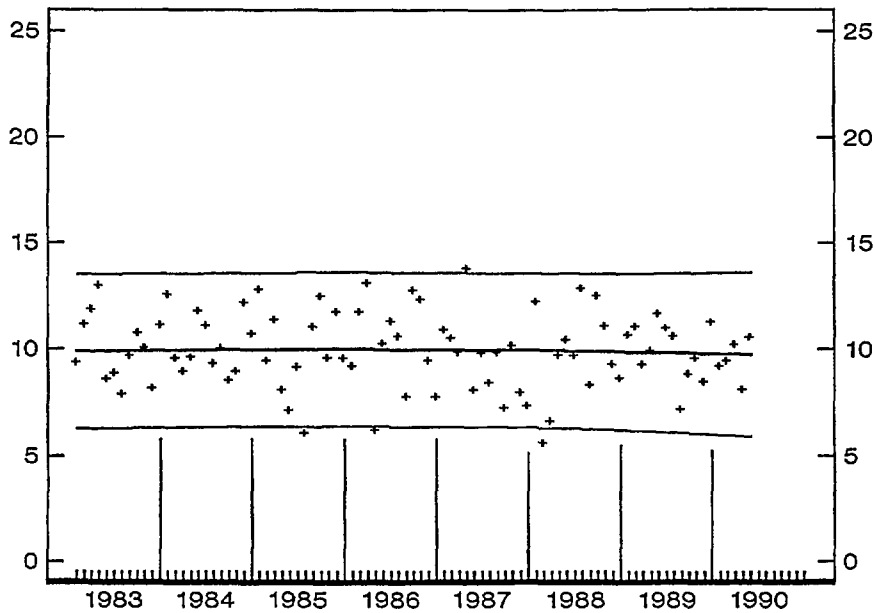


Figure 43. Death rates per 100,000 females 45-74 years of age for Malignant neoplasms of urinary organs, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Malignant neoplasms of urinary organs (cancer of the urinary organs) was the fifth most frequent cause of cancer mortality for women aged 45-74 years and accounted for 3,307 deaths, or about 1 percent of deaths from all causes and 3 percent of deaths from all cancers for these women. For the period shown in the chart through May 1989, there was no discernible upward or downward trend in provisional death rates for these women. For the most recent 12-month period, June 1989-May 1990, the observed monthly death rates were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989.

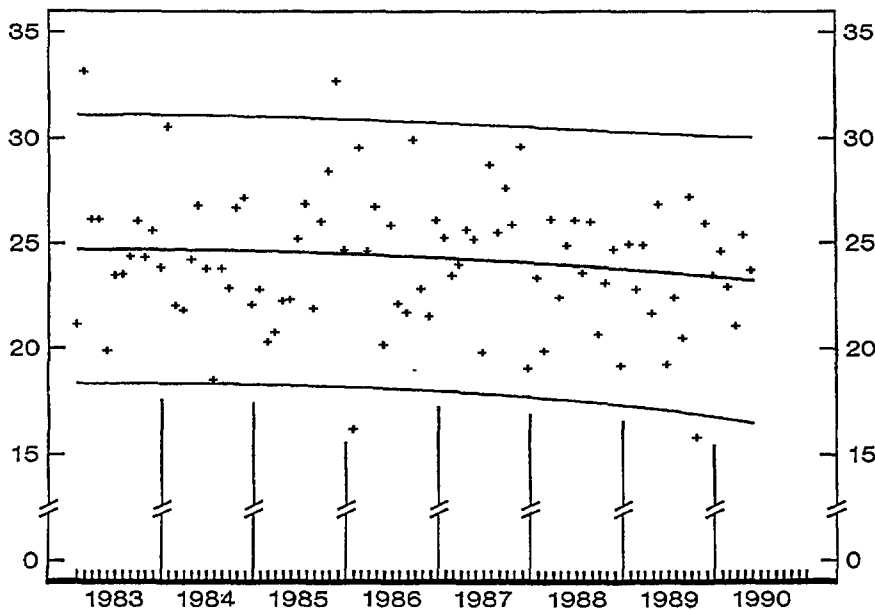


Figure 44. Death rates per 100,000 males 45-74 years of age for Malignant neoplasms of urinary organs, by month: United States, 1983-90

According to final data for 1988, cancer of the urinary organs was the fourth most frequent cause of cancer mortality for men aged 45-74 years and accounted for 7,002 deaths, or about 1 percent of deaths from all causes and 4 percent of deaths from all cancers for these men. For the period shown in the chart through May 1989, there was no discernible upward or downward trend in the provisional death rates for these men. For the most recent 12-month period, June 1989-May 1990, the observed monthly death rates, except for 1 month, were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Based on 1989 provisional annual death rates, the death rate for men was 2.3 times the rate for women in this same age group.

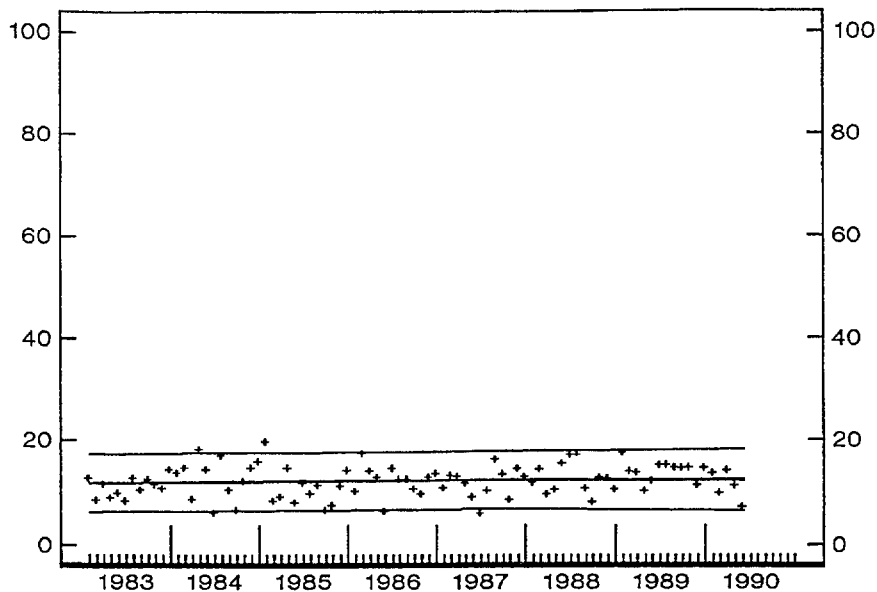


Figure 45. Death rates per 100,000 males 45-64 years of age for Malignant neoplasm of prostate, by month: United States, 1983-90

In 1988, the latest year for which final data are available, Malignant neoplasm of prostate (prostate cancer) accounted for 2,838 deaths, or about 1 percent of all deaths and about 4 percent of all cancer deaths for men aged 45-64 years. For the period shown in the chart through May 1989, provisional death rates for prostate cancer increased slightly for these men. For the most recent 12-month period, June 1989-May 1990, the observed monthly death rates fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989.

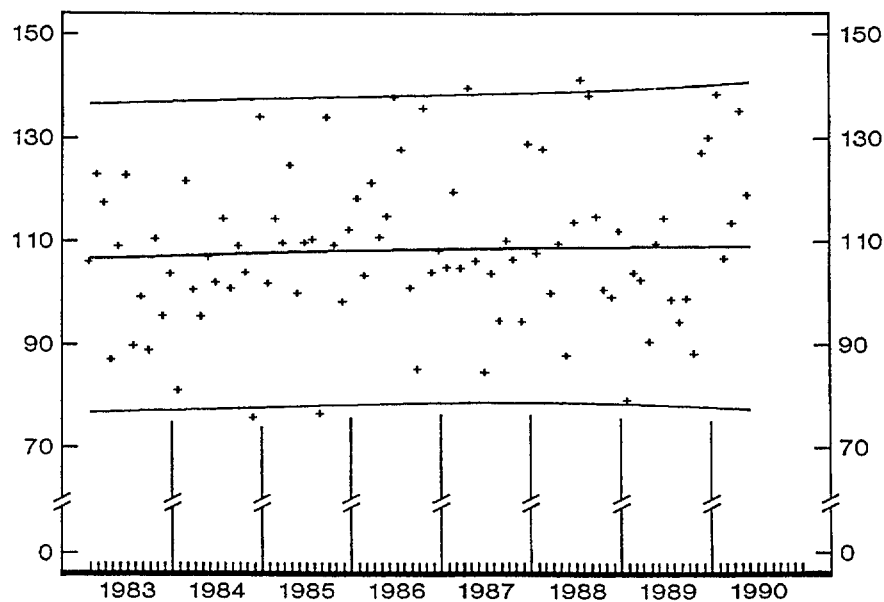


Figure 46. Death rates per 100,000 males 65-74 years of age for Malignant neoplasm of prostate, by month: United States, 1983-90

According to final data for 1988, for men aged 65-74 years, prostate cancer accounted for 8,812 deaths, or about 3 percent of deaths from all causes and 10 percent of all cancer deaths for these men. For the period shown in the chart through May 1989, provisional death rates have increased slightly for men aged 65-74 years, similar to the slight increase in rates for men aged 45-64 years. For the most recent 12-month period, June 1989-May 1990, the monthly rates fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 7.3 times the rate for men aged 45-64 years.

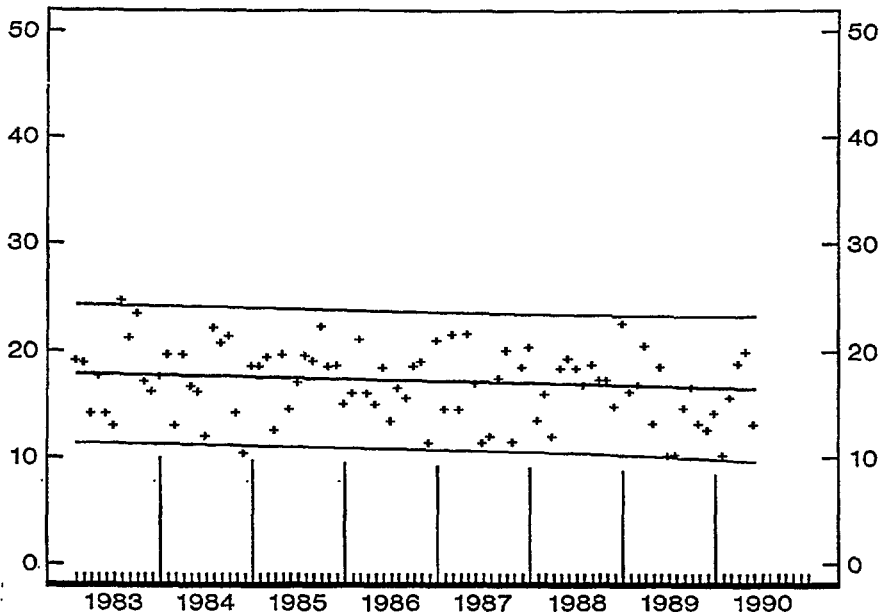


Figure 47. Death rates per 100,000 females 45-64 years of age for Malignant neoplasm of ovary, by month: United States, 1983-90

In 1988, Malignant neoplasm of ovary (ovarian cancer) accounted for 3,895 deaths, or 3 percent of all deaths and 6 percent of all cancer mortality for women aged 45-64 years. For the period shown in the chart through May 1989, provisional death rates for ovarian cancer decreased slightly for these women. The observed monthly rates for June 1989-May 1990, fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989.

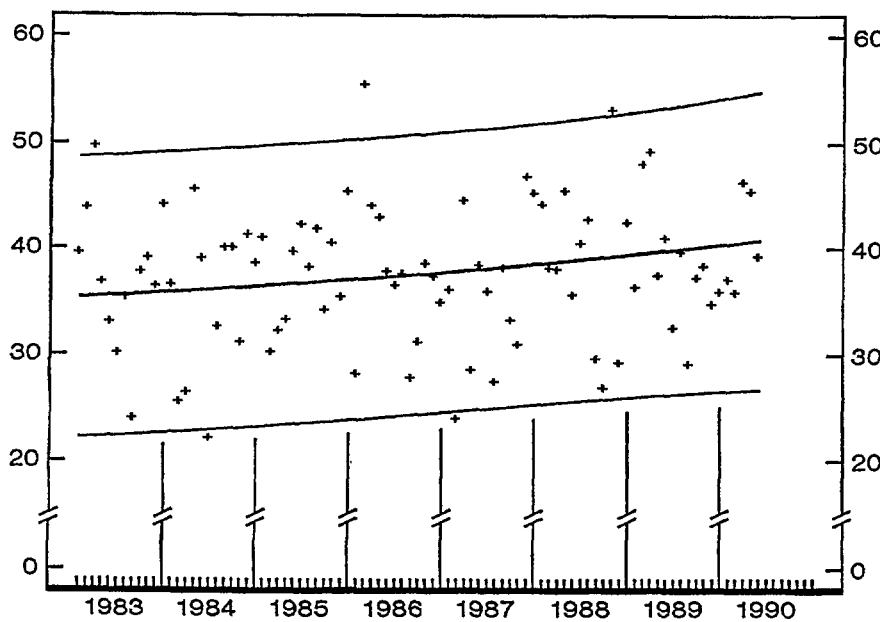


Figure 48. Death rates per 100,000 females 65-74 years of age for Malignant neoplasm of ovary, by month: United States, 1983-90

According to final data for 1988, ovarian cancer accounted for 3,853 deaths, or 2 percent of all deaths and 6 percent of all cancer mortality, for women aged 65-74 years. For the period shown in the chart through May 1989, provisional death rates for ovarian cancer increased slightly for these women, in contrast to the slight decrease in rates for women aged 45-64 years. The observed monthly death rates for June 1989-May 1990 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Based on 1989 provisional annual death rates, the death rate for women in this age group was 2.6 times the rate for women aged 45-64 years. This ratio was 1.9 in 1979.

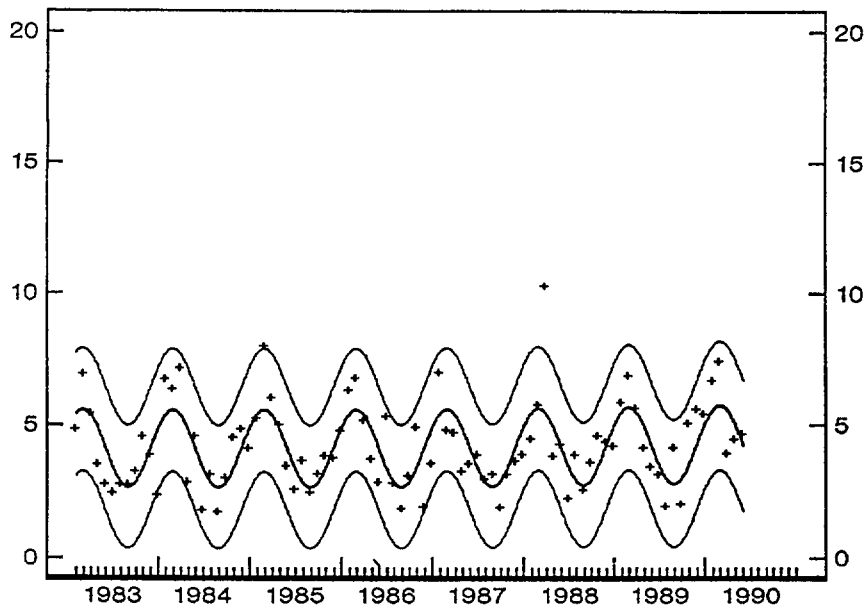


Figure 49. Death rates per 100,000 females 25-64 years of age for Pneumonia and influenza, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Pneumonia and influenza was the 10th leading cause of death for women aged 25-64 years and accounted for 2,915 deaths, or about 2 percent of deaths from all causes for these women. For the period shown in the chart through May 1989, there was no discernible upward or downward trend in provisional death rates for these women. For the most recent 12-month period, June 1989-May 1990, the observed monthly rates were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Death rates for these women showed a seasonal pattern of mortality, with a tendency for rates to be higher during the winter.

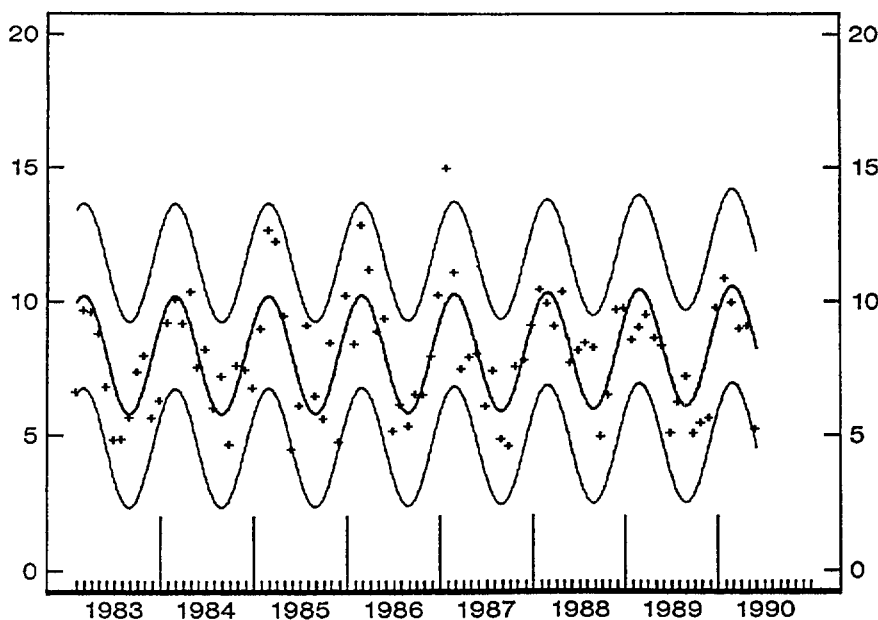


Figure 50. Death rates per 100,000 males 25-64 years of age for Pneumonia and influenza, by month: United States, 1983-90

According to final data for 1988, Pneumonia and influenza was the 11th leading cause of death for men aged 25-64 years and accounted for 5,173 deaths, or about 2 percent of deaths from all causes for these men. For the period shown in the chart through May 1989, there was no discernible upward or downward trend in the provisional death rates for these men. For the most recent 12-month period, June 1989-May 1990, the observed monthly rates were consistent with a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Death rates for these men showed a seasonal pattern of mortality, with a tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men was 1.6 times the rate for women in this same age group.

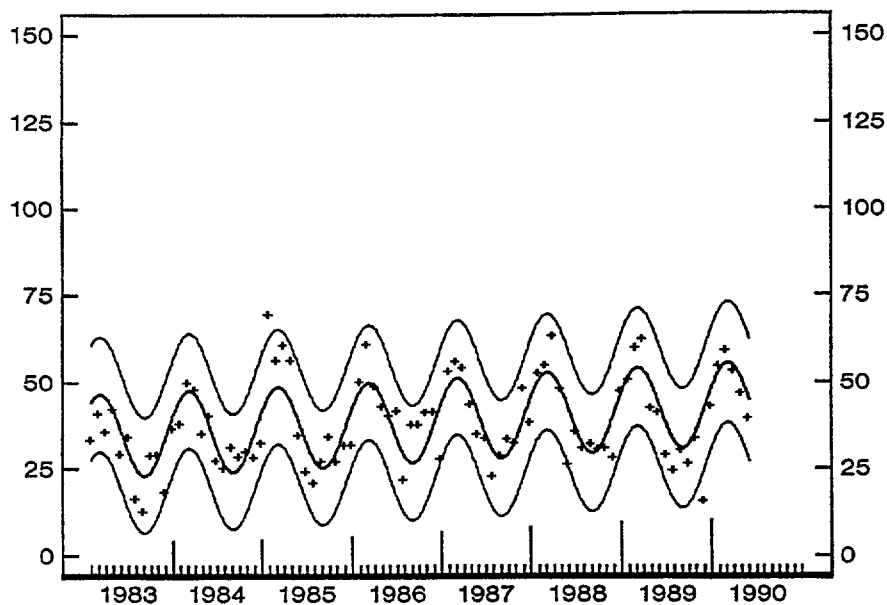


Figure 51. Death rates per 100,000 females 65-74 years of age for Pneumonia and influenza, by month: United States, 1983-90

In 1988, the latest year for which final data are available, Pneumonia and influenza was the sixth leading cause of death and accounted for 4,163 deaths, or about 2 percent of all deaths for women aged 65-74 years. For the period shown in the chart through May 1989, provisional death rates for Pneumonia and influenza increased for these women. For the most recent 12-month period, June 1989-May 1990, the observed monthly rates, except 1 month, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Death rates for these women showed a seasonal pattern of mortality, with a tendency for rates to be higher during the winter.

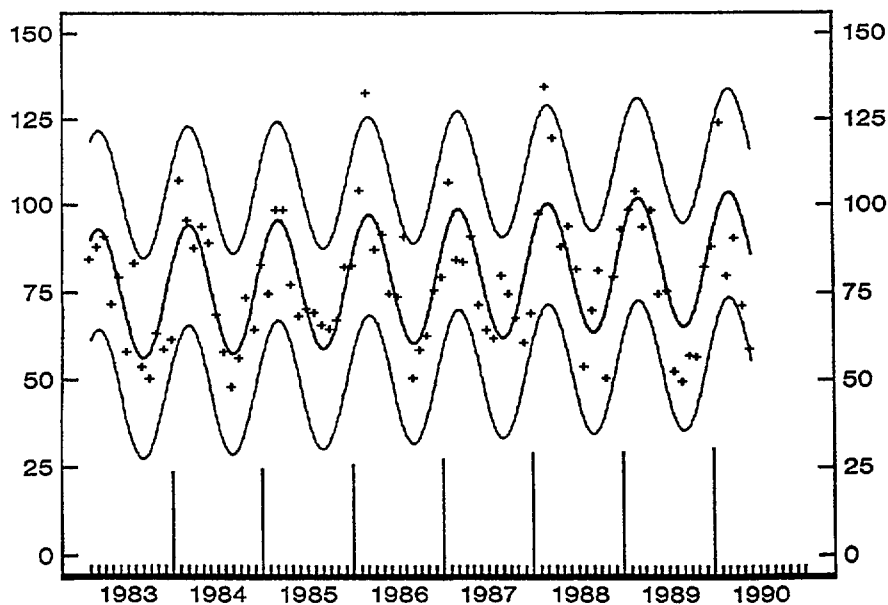


Figure 52. Death rates per 100,000 males 65-74 years of age for Pneumonia and influenza, by month: United States, 1983-90

According to final data for 1988, for men aged 65-74 years, Pneumonia and influenza was the fifth leading cause of death and accounted for 6,550 deaths, or about 2 percent of deaths from all causes. For the period shown in the chart through May 1989, provisional death rates increased for men aged 65-74 years. For the most recent 12-month period, June 1989-May 1990, the observed monthly rates were consistent with a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Death rates for these men showed a seasonal pattern of mortality, with a tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was twice the rate for women in this same age group.

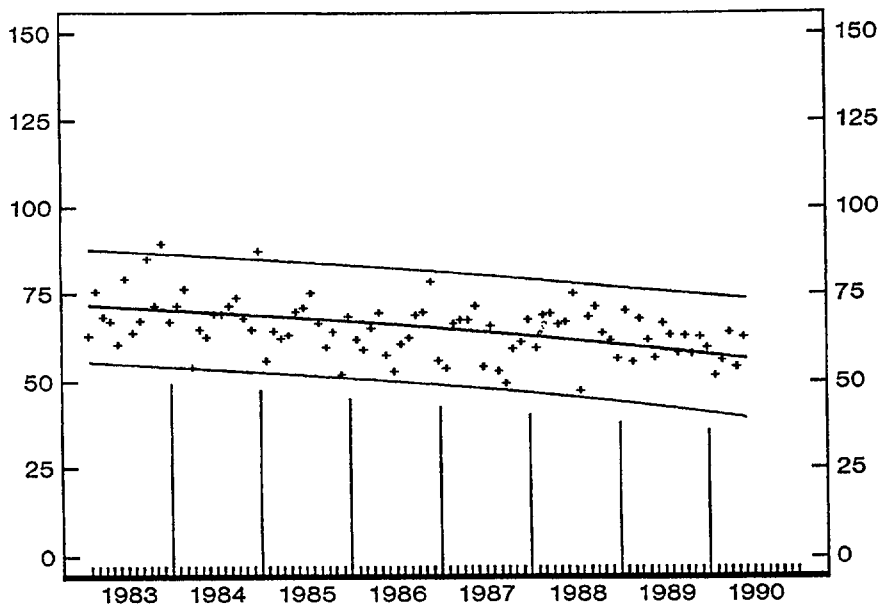


Figure 53. Death rates per 100,000 males 45-54 years of age for Malignant neoplasms of trachea, bronchus, and lung, by month: United States, 1983-90

In 1988, Malignant neoplasms of trachea, bronchus, and lung (lung cancer) was a major cause of cancer mortality and accounted for 7,337 deaths, or 10 percent of all deaths and 38 percent of all cancer mortality for men aged 45-54 years. For the period shown in the chart through May 1989, provisional death rates for lung cancer decreased for these men. The observed monthly rates for June 1989-May 1990 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989.

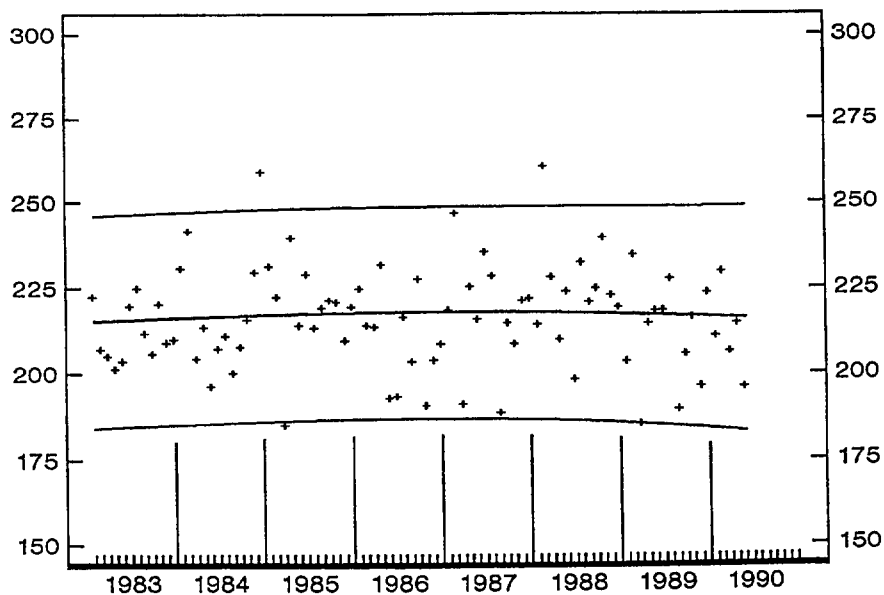


Figure 54. Death rates per 100,000 males 55-64 years of age for Malignant neoplasms of trachea, bronchus, and lung, by month: United States, 1983-90

According to final data for 1988, lung cancer was a major cause of cancer mortality and accounted for 22,603 deaths, or 14 percent of all deaths and 42 percent of all cancer mortality, for men aged 55-64 years. In contrast to the decrease in provisional death rates for men in the younger age group, provisional death rates for lung cancer increased from 1979 to the mid-1980's and, as shown in the chart, have leveled off since then through May 1989. The observed monthly death rates for June 1989-May 1990 fell within the prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-May 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 3.4 times the rate for men aged 45-54 years.

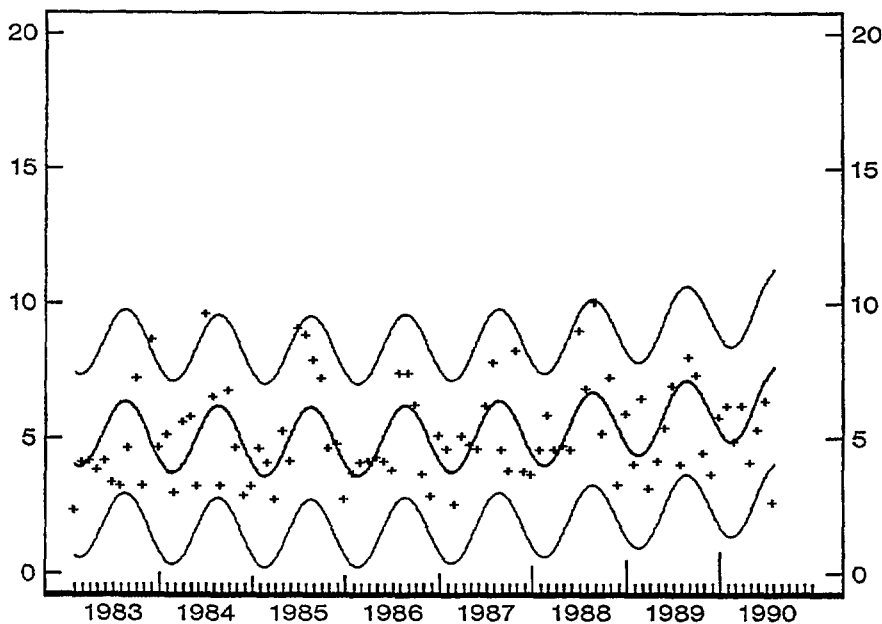


Figure 55. Death rates per 100,000 females under 15 years of age for Motor vehicle accidents, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects was the third leading cause of death for females under age 15 and accounted for 2,959 deaths, or 13 percent of all deaths for this age-sex group. Motor vehicle accidents accounted for 1,444 deaths, or 6 percent of deaths from all causes and 49 percent of all accidental deaths. Provisional death rates for Motor vehicle accidents decreased from 1979 to the mid-1980's and, as shown in the chart, have increased slightly since then through July 1989. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates, except for 1 month, were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer.

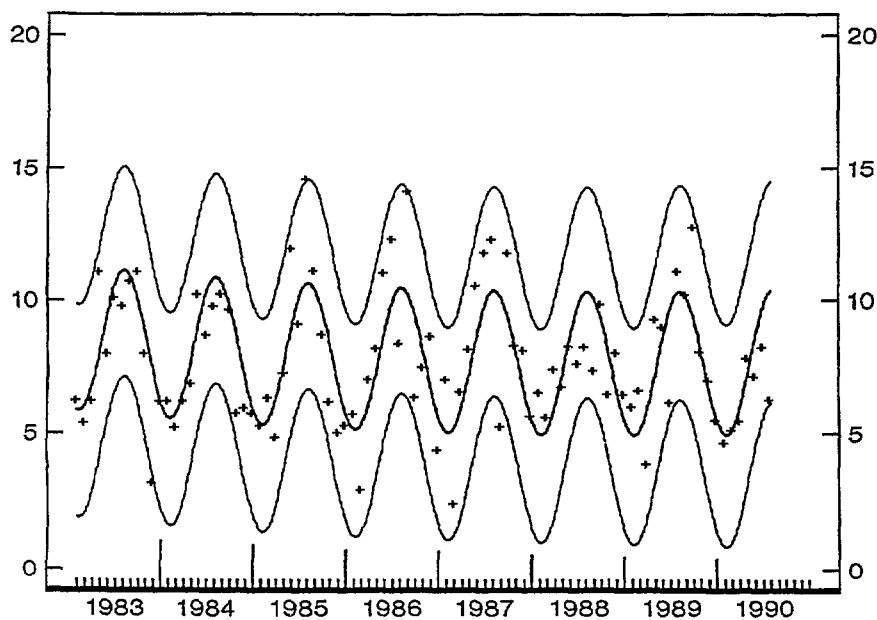
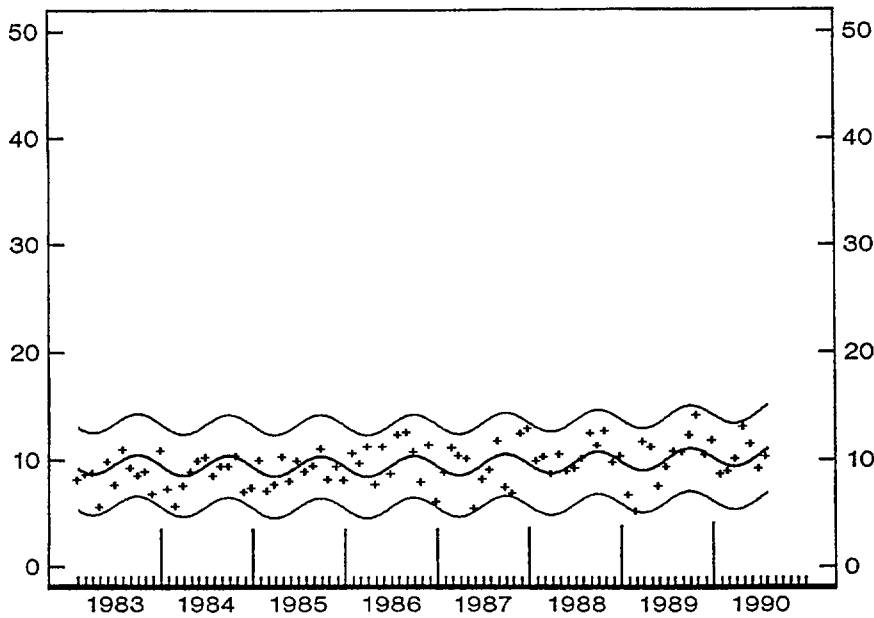


Figure 56. Death rates per 100,000 males under 15 years of age for Motor vehicle accidents, by month: United States, 1983-90

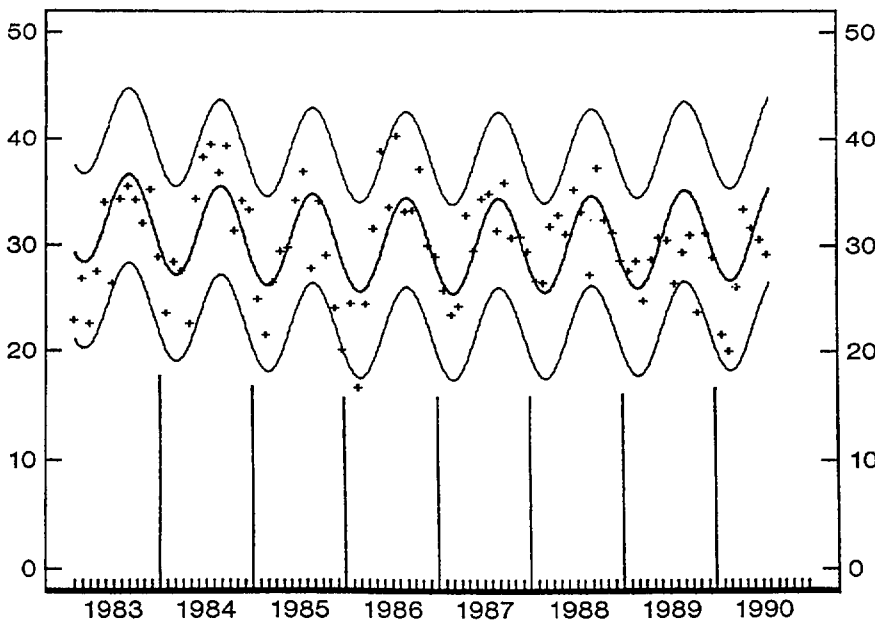
In 1988, the latest year for which final mortality data are available, Accidents and adverse effects was the third leading cause of death for males under age 15 and accounted for 5,050 deaths, or 16 percent of all deaths for this age-sex group. Motor vehicle accidents accounted for 2,199 deaths, or about 7 percent of deaths from all causes and 44 percent of all accidental deaths. Provisional death rates for Motor vehicle accidents decreased from 1979 to the mid-1980's and, as shown in the chart, have leveled off since then through July 1989. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates were consistent with a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer. Based on 1989 provisional annual death rates, the death rate for males in this age group was 1.5 times the rate for females in this same age group.





**Figure 57. Death rates per 100,000 females 25-44 years of age for Motor vehicle accidents, by month: United States, 1983-90**

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects was the second leading cause of death for women aged 25-44 years and accounted for 6,306 deaths, or 15 percent of all deaths for these women. Motor vehicle accidents accounted for 4,184 deaths, or about 10 percent of deaths from all causes and 66 percent of all accidental deaths. Provisional death rates for Motor vehicle accidents decreased from 1979 to the mid-1980's and, as shown in the chart, have increased since then through July 1989. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates were consistent with a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher from late summer to early fall.



**Figure 58. Death rates per 100,000 males 25-44 years of age for Motor vehicle accidents, by month: United States, 1983-90**

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects was the leading cause of death for men aged 25-44 years and accounted for 21,973 deaths, or 23 percent of all deaths for these men. Motor vehicle accidents accounted for 12,396 deaths, or 13 percent of deaths from all causes and 56 percent of all accidental deaths. Provisional death rates for Motor vehicle accidents decreased from 1979 to the mid-1980's and, as shown in the chart, have leveled off since then through July 1989. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates were, except for 1 month, within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher in the summer. Based on 1989 provisional annual death rates, the death rate for men in this age group was 2.8 times the rate for women in this same age group, although this male to female ratio has been decreasing since 1979 (3.7).

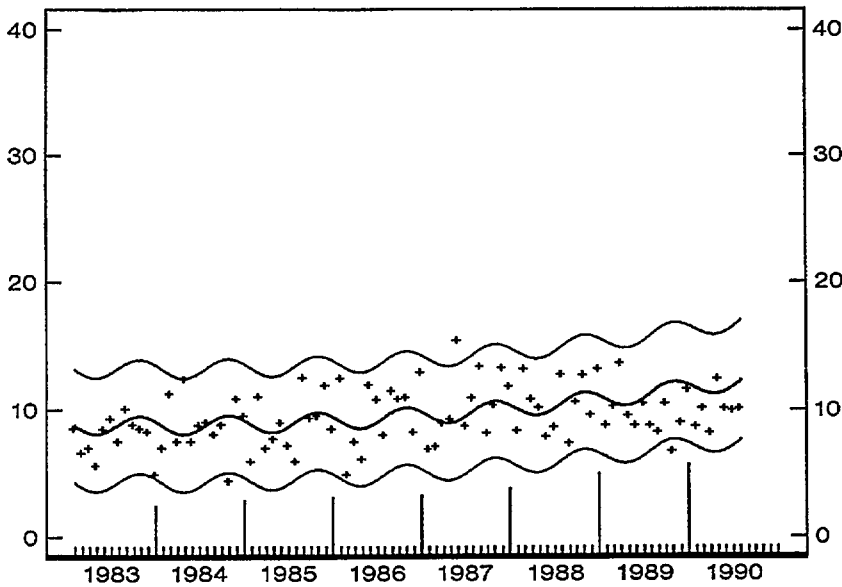


Figure 59. Death rates per 100,000 females 45-64 years of age for Motor vehicle accidents, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects for women aged 45-64 years accounted for 4,384 deaths, or 3 percent of all deaths. Motor vehicle accidents accounted for 2,388 deaths, or 2 percent of deaths from all causes and 54 percent of all accidental deaths. Provisional death rates for Motor vehicle accidents decreased from 1979 to the early 1980's and, as shown in the chart, have increased since then through July 1989. The observed monthly rates for August 1989-July 1990, except for 1 month, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989; however, 11 of these 12 rates were below the predicted line, suggesting a change in trend. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher during the early fall. Based on 1989 provisional annual death rates, the death rate for women in this age group was about twice that for females under age 15 years.

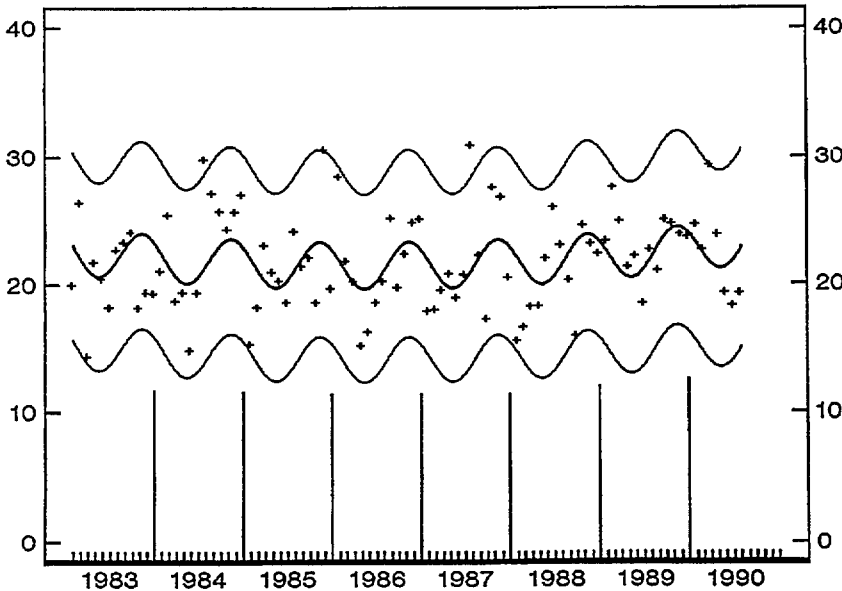


Figure 60. Death rates per 100,000 males 45-64 years of age for Motor vehicle accidents, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects for men aged 45-64 years accounted for 10,793 deaths, or 5 percent of all deaths. Motor vehicle accidents accounted for 4,857 deaths, or 2 percent of deaths from all causes and 45 percent of all accidental deaths. Provisional death rates for Motor vehicle accidents decreased from 1979 to the mid-1980's and, as shown in the chart, have leveled off since then through July 1989. The observed rates for August 1989-July 1990 were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher during the late fall. Based on 1989 provisional annual death rates, the death rate for these men was 2.4 times the rate for women in this same age group, 0.8 times the rate for men aged 25-44 years, and almost 3 times the rate for males under age 15 years.

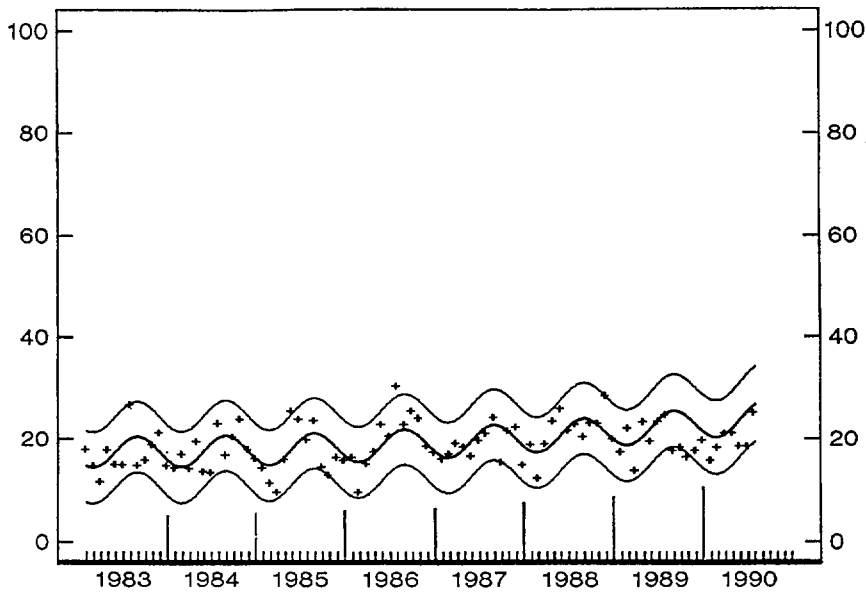


Figure 61. Death rates per 100,000 females 15-24 years of age for Motor vehicle accidents, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects was the leading cause of death for females aged 15-24 years and accounted for 45 percent of all deaths for this age-sex group. Motor vehicle accidents accounted for 3,717 deaths, or 86 percent of all accidental deaths and 39 percent of deaths from all causes for these females. Provisional death rates for Motor vehicle accidents decreased slightly from 1979 to the mid-1980's and, as shown in the chart, have increased since then through July 1989. For the most recent 12-month period the observed monthly rates, except for 2 months, were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. However, 11 of the 12 rates were below the predicted line, suggesting a change in trend. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer.

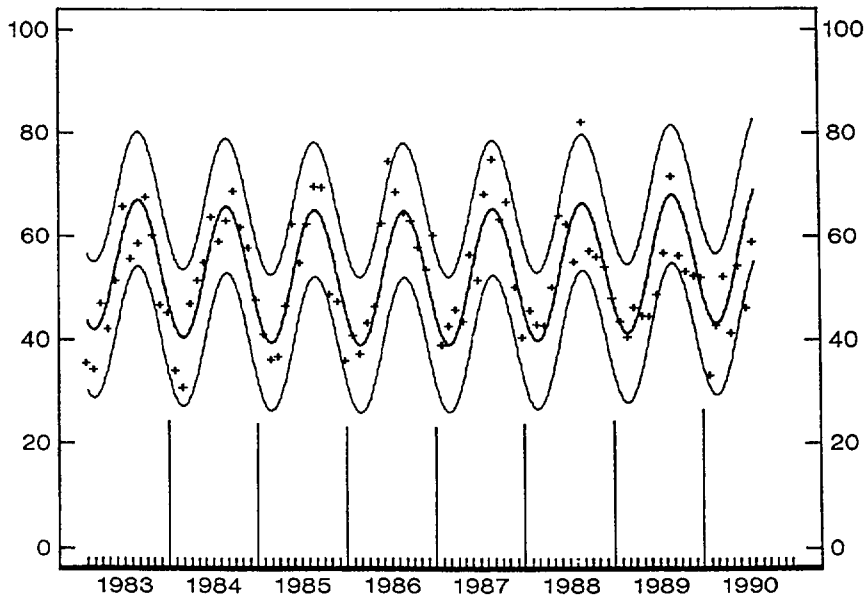


Figure 62. Death rates per 100,000 males 15-24 years of age for Motor vehicle accidents, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Accidents and adverse effects was the leading cause of death for males aged 15-24 years and accounted for one-half of all deaths for this age-sex group. Motor vehicle accidents accounted for 10,689 deaths, or 75 percent of all accidental deaths and 37 percent of deaths from all causes for these males. Provisional death rates for Motor vehicle accidents decreased from 1979 to the mid-1980's and, as shown in the chart, have increased slightly since then through July 1989. For the most recent 12-month period the observed monthly rates, with the exception of 1 month, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer.

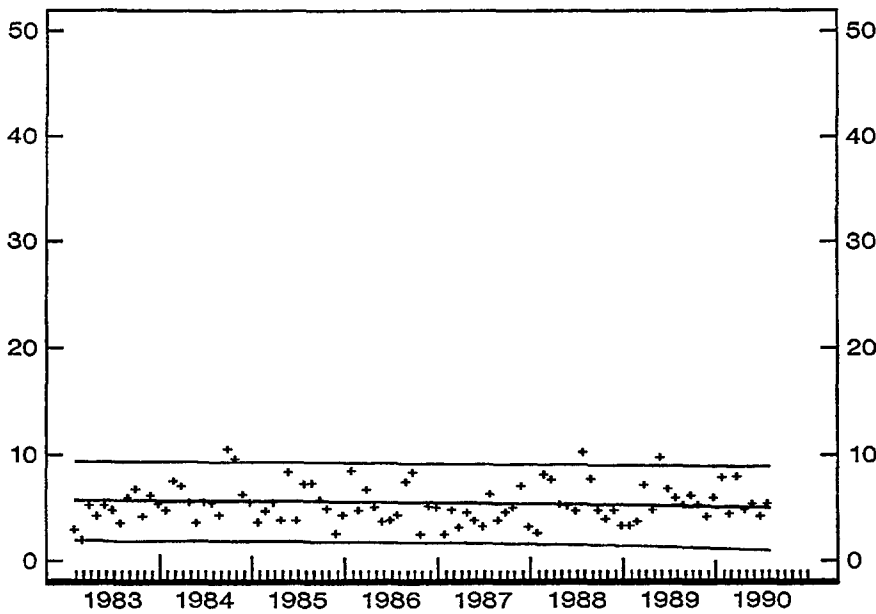


Figure 63. Death rates per 100,000 females 15-24 years of age for Homicide and legal intervention, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Homicide and legal intervention was the second leading cause of death for women aged 15-24 years and accounted for 1,103 deaths, or 11 percent of all deaths for these women. For this age-sex group, there has been no discernible upward or downward trend in the provisional death rates for Homicide and legal intervention for the period shown in the chart through July 1989. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates were consistent with a model estimated on the basis of provisional monthly death rates for January 1979-July 1989.

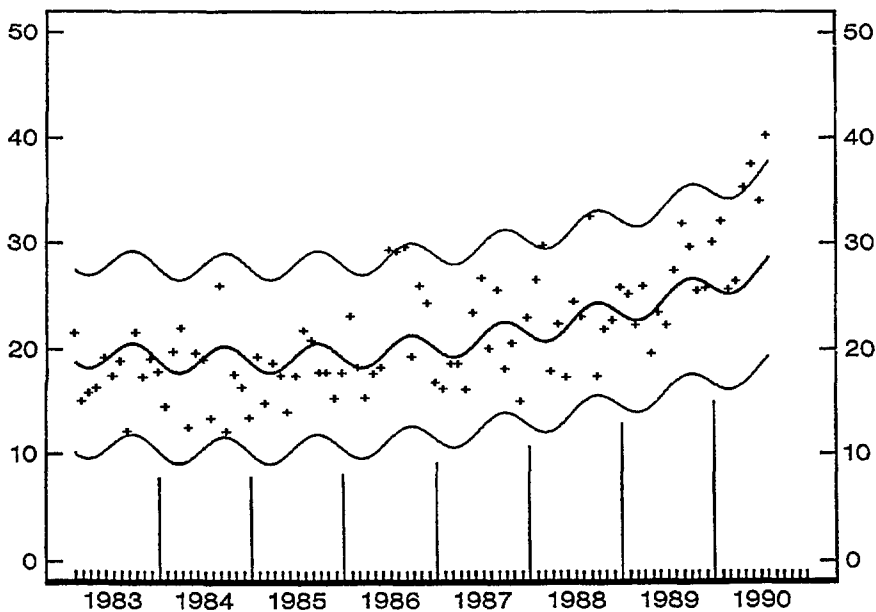


Figure 64. Death rates per 100,000 males 15-24 years of age for Homicide and legal intervention, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Homicide and legal intervention was the second leading cause of death for men aged 15-24 years and accounted for 4,668 deaths, or 16 percent of all deaths for these men. For this age-sex group, provisional death rates for Homicide and legal intervention decreased slightly from 1979 to the mid-1980's and, as shown in the chart, have increased since then through July 1989. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates, except for 3 months, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. However, all but 2 of the 12 rates were above the 95-percent prediction line, suggesting that the increasing trend may be larger than that predicted by the model. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the summer. Based on 1989 provisional annual death rates, the death rate for men in this age group was 4.6 times the rate for women in this same age group.

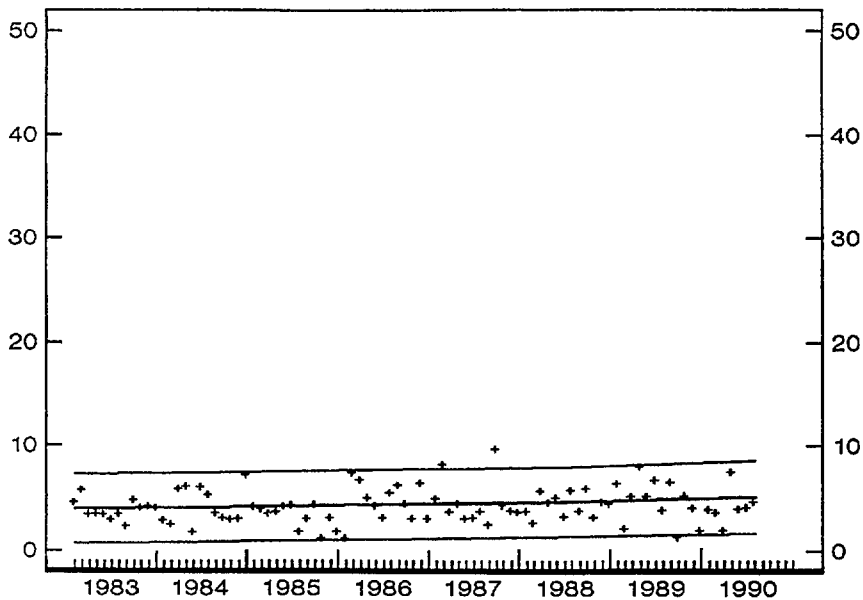


Figure 65. Death rates per 100,000 females 15-24 years of age for Suicide, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Suicide was the third leading cause of death for women aged 15-24 years and accounted for 786 deaths or 8 percent of deaths from all causes for these women. For this age-sex group, there has been no discernible upward or downward trend in the provisional death rates for Suicide during the period shown in the chart. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates, except for 1 month, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989.

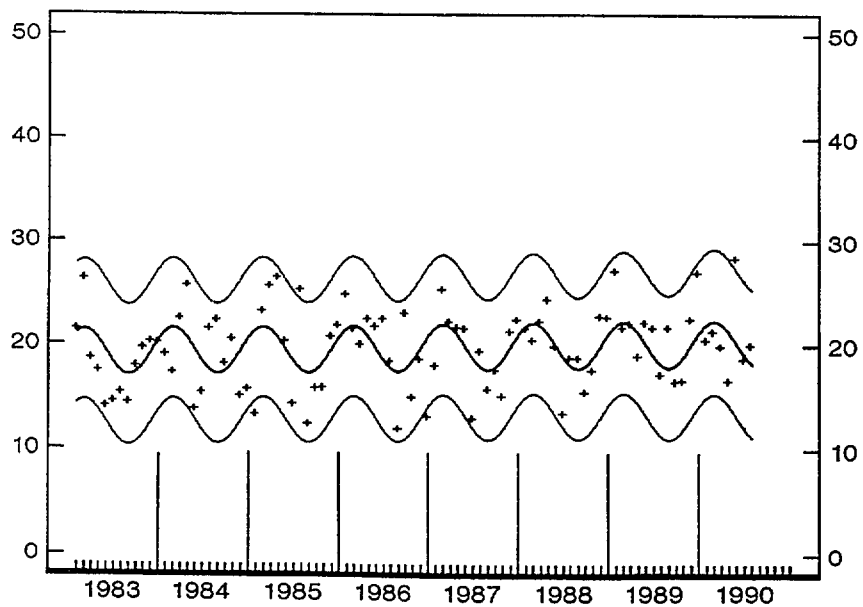


Figure 66. Death rates per 100,000 males 15-24 years of age for Suicide, by month: United States, 1983-90

In 1988, the latest year for which final mortality data are available, Suicide was the third leading cause of death for men aged 15-24 years and accounted for 4,143 deaths or 15 percent of all deaths for these men. For the period shown in the chart through July 1989, provisional death rates for Suicide have increased slightly for these men. For the most recent 12-month period, August 1989-July 1990, the observed monthly rates, except for 1 month, were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979-July 1989. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the late winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 4.5 times the rate for women in this same age group.

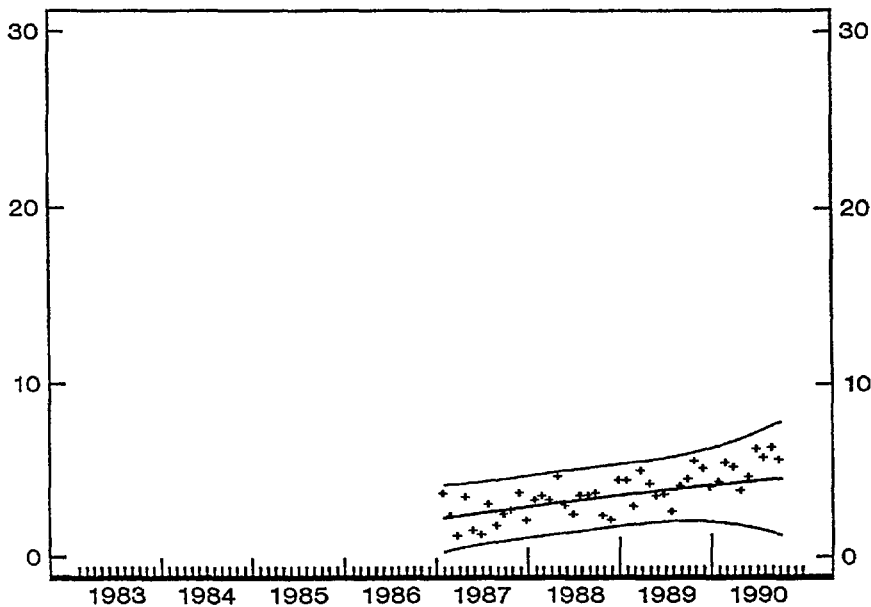


Figure 67. Death rates per 100,000 females 25–44 years of age for Human immunodeficiency virus infection, by month: United States, 1987–90

[Model fitted using data from January 1987–September 1989. Beginning with data for 1987, a new classification for Human immunodeficiency virus infection was introduced in the United States.]

In 1988, the latest year for which final mortality data are available, HIV infection was the eighth leading cause of death for women aged 25–44 years and accounted for 1,285 deaths, or 3 percent of all deaths for this age-sex group. For January 1987–September 1989 provisional death rates for HIV infection increased for these women. For the most recent 12-month period, October 1989–September 1990, the observed monthly rates were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1987–September 1989. However, 10 of these 12 rates were above the predicted line, suggesting a possible change in the trend predicted by provisional monthly death rates for January 1987–September 1989.

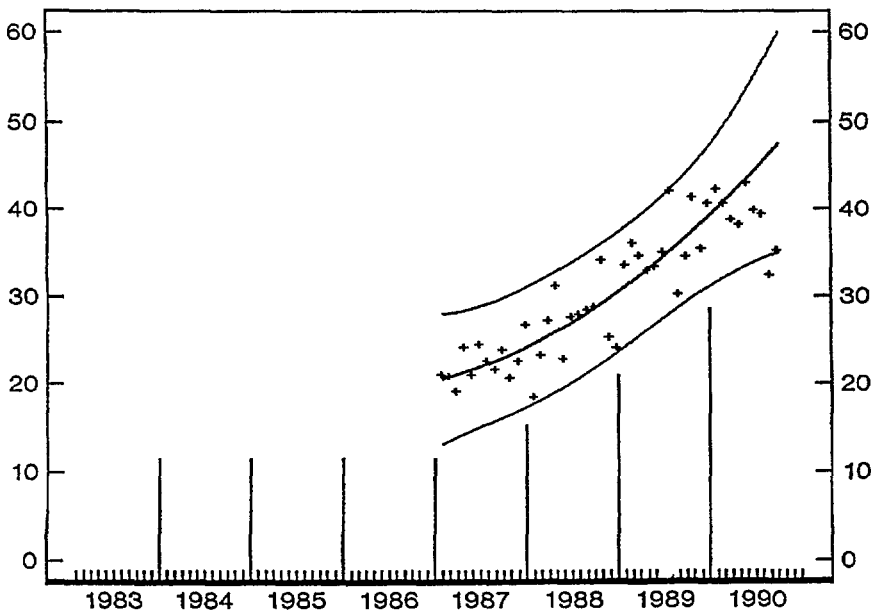


Figure 68. Death rates per 100,000 males 25–44 years of age for Human immunodeficiency virus infection, by month: United States, 1987–90

[Model fitted using data from January 1987–September 1989. Beginning with data for 1987, a new classification for Human immunodeficiency virus infection was introduced in the United States.]

In 1988, the latest year for which final mortality data are available, HIV infection was the third leading cause of death for men aged 25–44 years and accounted for 10,935 deaths, or 11 percent of all deaths for this age-sex group. For January 1987–September 1989 the provisional death rates for HIV infection have increased for these men. For the most recent 12-month period, October 1989–September 1990, the observed monthly rates, except for 1 month, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1987–September 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 8.5 times the rate for women in this same age group.

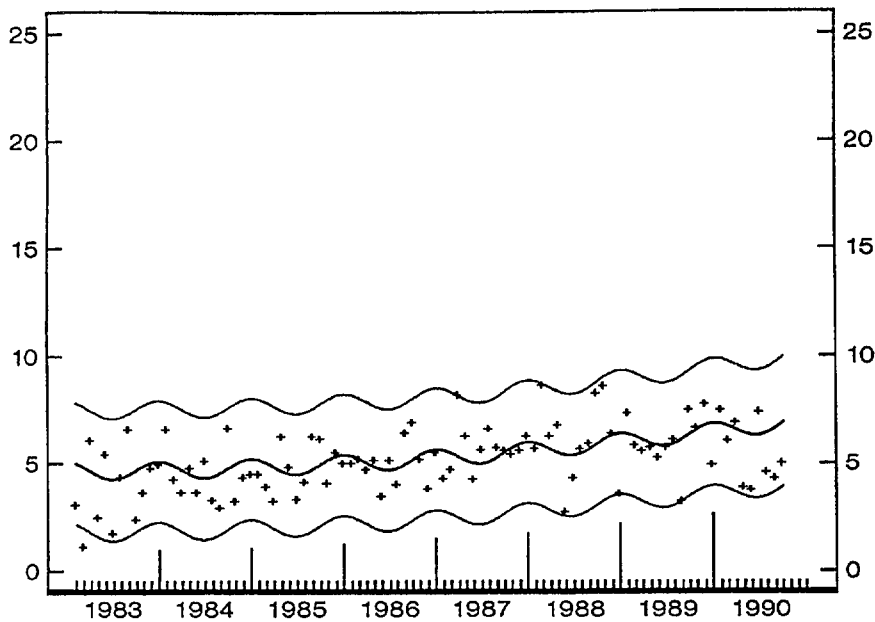


Figure 69. Death rates per 100,000 females 25–44 years of age for Symptoms, signs, and ill-defined conditions, by month: United States, 1983–90

In 1988, the latest year for which final mortality data are available, Symptoms, signs, and ill-defined conditions accounted for 1,320 deaths, or 3 percent of all deaths for women aged 25–44 years. For this age-sex group provisional death rates decreased slightly from 1979 to the mid-1980's and, as shown in the chart, have increased since then through September 1989. For the most recent 12-month period, October 1989–September 1990, the observed monthly rates were consistent with a model estimated on the basis of provisional monthly death rates for January 1979–September 1989.

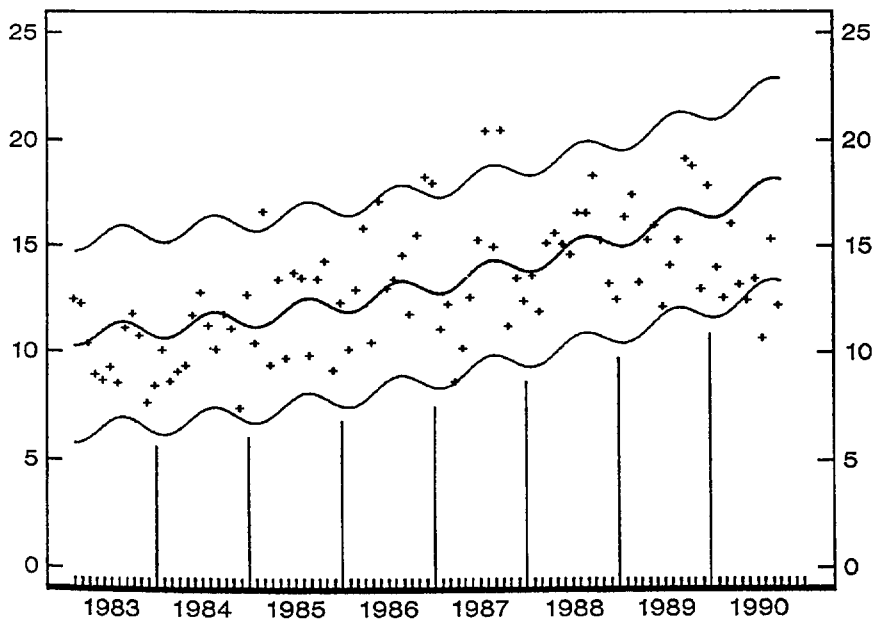
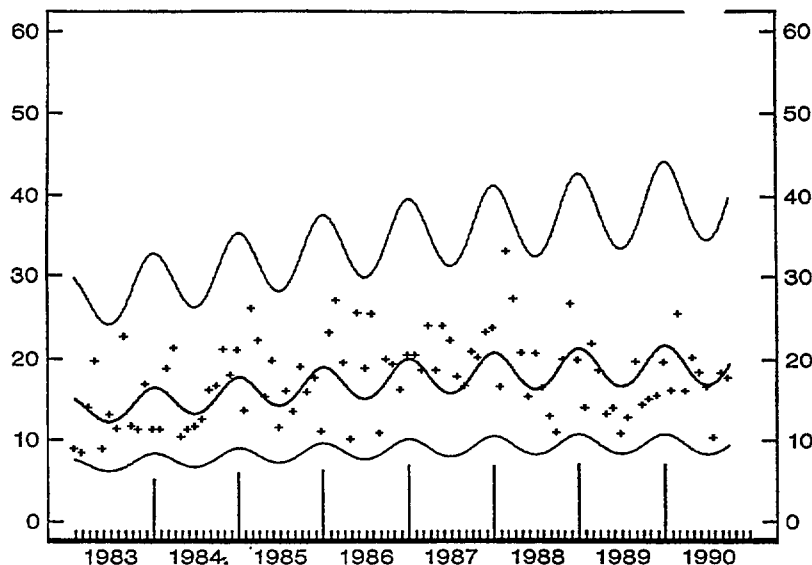


Figure 70. Death rates per 100,000 males 25–44 years of age for Symptoms, signs, and ill-defined conditions, by month: United States, 1983–90

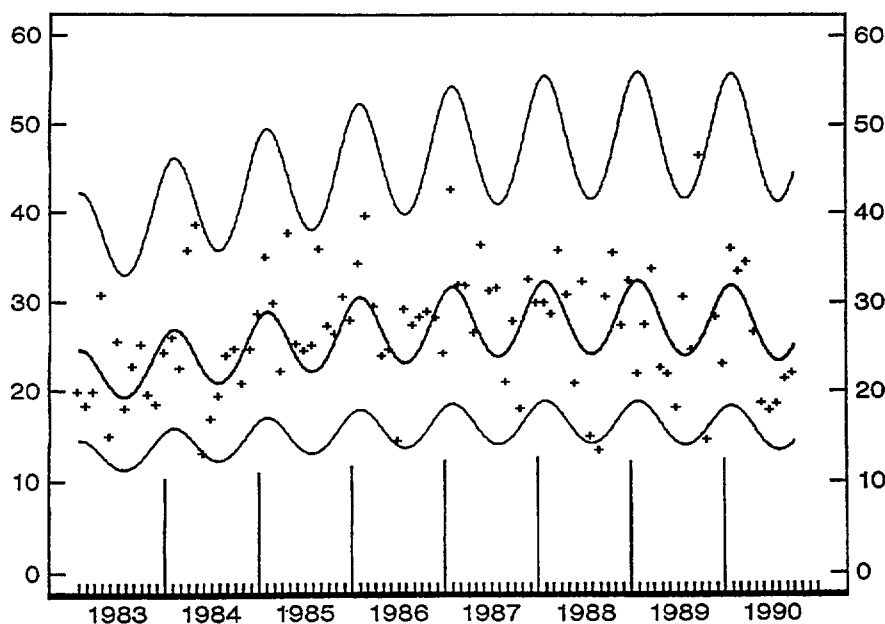
In 1988, the latest year for which final mortality data are available, Symptoms, signs, and ill-defined conditions accounted for 2,995 deaths, or 3 percent of all deaths for men aged 25–44 years. For this age-sex group, provisional death rates for Symptoms, signs, and ill-defined conditions were stable from 1979 to the mid-1980's and, as shown in the chart, have increased since then through September 1989. For the most recent 12-month period, October 1989–September 1990, the observed monthly rates, except for 3 months, fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979–September 1989. Based on 1989 provisional annual death rates, the death rate for men in this age group was 2.6 times the rate for women in this same age group.

In 1988, the latest year for which final mortality data are available, Septicemia was the 10th leading cause of death for women aged 65–74 years and accounted for 2,018 deaths or 1 percent of deaths from all causes for these women. For this age-sex group, provisional death rates increased slightly from 1979 to the late 1980's and, as shown in the chart have leveled off since then through September 1989. For the most recent 12-month period, October 1989–September 1990, the observed monthly rates fell within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979–September 1989. Death rates for these women showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter.



**Figure 71. Death rates per 100,000 females 65–74 years of age for Septicemia, by month: United States, 1983-90**

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



**Figure 72. Death rates per 100,000 males 65–74 years of age for Septicemia, by month: United States, 1983-90**

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

In 1988, the latest year for which final mortality data are available, Septicemia was the 11th leading cause of death for men aged 65–74 years and accounted for 2,264 deaths or 1 percent of all deaths for these men. For this age-sex group provisional death rates increased slightly from 1979 to the late 1980's and, as shown in the chart, have leveled off since then through September 1989. For the most recent 12-month period, October 1989–September 1990, the observed monthly rates, except for 1 month, were within the 95-percent prediction intervals of a model estimated on the basis of provisional monthly death rates for January 1979–September 1989. Death rates for these men showed a seasonal pattern of mortality with a tendency for rates to be higher during the winter. Based on 1989 provisional annual death rates, the death rate for men in this age group was 1.6 times the rate for women in this same age group.



# References

1. Chevarley FM, Godfrey AE, Rosenberg HM, et al. Mortality Surveillance System: Models from the first year. National Center for Health Statistics. *Vital Health Stat* 20(21). 1993.
2. Last JM, ed. *Dictionary of Epidemiology*. New York: Oxford University Press. 1988.
3. Serfling RE. Methods for current statistical analysis for excess pneumonia-influenza deaths. *Public Health Rep* 78(6):494–506. 1963.
4. Collins SD, Lehmann J. Excess deaths from influenza and pneumonia and from important chronic diseases during epidemic periods, 1918–51. *Public health monograph*; no 10. Federal Security Agency, Public Health Service. 1953.
5. Choi K, Thacker SB. An evaluation of influenza mortality surveillance, 1962–79. *Am J Epidemiol* 113:215–26. 1981.
6. Lui KJ, Kendal AP. Impact of influenza epidemics on mortality in the United States from October 1972 to May 1985. *Am J Public Health* 77(6):712–6. 1987.
7. Shumway RH. *Applied statistical time series analysis*. Englewood Cliffs, New Jersey: Prentice-Hall Press. 1988.
8. Centers for Disease Control. Influenza-United States, 1987–88 Season. *MMWR* 37:497–503. 1988.
9. Haskey J. *Mortality Surveillance 1968–76, England and Wales. Deaths and rates, by sex and age group for 8th revision causes, A-list and Chapters*. Great Britain Office of Population Census and Surveys, Medical Statistics Division. Crown, 1978.
10. Ostle B. *Statistics in research*. 2d ed. Ames, Iowa: The Iowa State University Press, 159–221. 1963.
11. National Center for Health Statistics. Births, marriages, divorces, and deaths for 1989. *Monthly vital statistics report*; vol 38 no 12. Hyattsville, Maryland: Public Health Service. 1990.
12. National Center for Health Statistics. Annual summary of births, marriages, divorces, and deaths: United States, 1989. *Monthly vital statistics report*; vol 38 no 13. Hyattsville, Maryland: Public Health Service. 1990.
13. National Institutes of Health, National Institute of Allergy and Infectious Diseases; National Institute of Diabetes and Digestive and Kidney Diseases; National Heart, Lung, and Blood Institute; Centers for Disease Control, Center for Chronic Disease Prevention and Health Promotion; and Health Care Financing Administration, Office of Research and Demonstrations: *Personal communications*, August 1990.

# List of detailed tables

<ol style="list-style-type: none"> <li>1. Estimated number of deaths and mortality rates for infant, neonatal, and postneonatal mortality, and Congenital anomalies, Sudden infant death syndrome, and Respiratory distress syndrome for infants under 1 year, by year and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>2. Estimated number of deaths and death rates for Diseases of heart, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>3. Estimated number of deaths and death rates for Chronic obstructive pulmonary diseases and allied conditions and Chronic liver disease and cirrhosis, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>4. Estimated number of deaths and death rates for Cerebrovascular diseases, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>5. Estimated number of deaths and death rates for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>6. Estimated number of deaths and death rates for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>7. Estimated number of deaths and death rates for Diabetes mellitus; Malignant neoplasm of breast; and Malignant</li> </ol>	<ol style="list-style-type: none"> <li>44</li> <li>47</li> <li>50</li> <li>53</li> <li>56</li> <li>59</li> </ol>	<ol style="list-style-type: none"> <li>neoplasms of trachea, bronchus, and lung, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>8. Estimated number of deaths and death rates for Malignant neoplasms of urinary organs, Malignant neoplasm of ovary, and Malignant neoplasm of prostate, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>9. Estimated number of deaths and death rates for Pneumonia and influenza and Malignant neoplasms of trachea, bronchus, and lung, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>10. 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 1990 . . . . .</li> <li>11. Estimated number of deaths and death rates for Motor vehicle accidents, Homicide and legal intervention, and Suicide, for persons 15–24 years of age, by sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>12. Estimated number of deaths and death rates for Human immunodeficiency virus infection; Symptoms, signs, and ill-defined conditions; and Septicemia, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990 . . . . .</li> <li>13. Selected statistics and model parameters for the second year's topics from the Mortality Surveillance System, <i>Monthly Vital Statistics Report</i>, volume 39, number 2–volume 40, number 1: United States, January 1979–December 1989 . . . . .</li> </ol>	<ol style="list-style-type: none"> <li>62</li> <li>65</li> <li>68</li> <li>71</li> <li>74</li> <li>77</li> <li>80</li> </ol>
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**Table 1. Estimated number of deaths and mortality rates for infant, neonatal, and postneonatal mortality, and Congenital anomalies, Sudden infant death syndrome, and Respiratory distress syndrome for infants under 1 year, by year and month of occurrence: United States, January 1979–December 1990**

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

Year and month of occurrence	Infant mortality		Neonatal mortality		Postneonatal mortality		Congenital anomalies		Sudden infant death syndrome		Respiratory distress syndrome	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	3,930	1,401.9	2,420	863.0	1,510	538.5	610	217.5	480	171.2	480	171.2
February . . . . .	3,710	1,429.1	2,120	816.0	1,590	612.0	850	327.2	500	192.4	420	161.7
March . . . . .	3,970	1,408.2	2,470	875.7	1,500	531.8	870	308.4	470	166.6	470	166.6
April . . . . .	3,610	1,304.6	2,310	835.7	1,300	470.3	740	267.7	440	159.2	410	148.3
May . . . . .	3,610	1,276.0	2,370	838.8	1,230	435.3	730	258.4	430	152.2	520	184.0
June . . . . .	3,620	1,309.9	2,640	956.4	970	351.4	720	260.8	370	134.0	410	148.5
July . . . . .	3,780	1,273.1	2,750	927.4	1,030	347.4	730	246.2	370	124.8	510	172.0
August . . . . .	3,470	1,126.1	2,680	871.0	790	256.8	710	230.8	230	74.8	540	175.5
September . . . . .	3,780	1,281.4	2,740	928.6	1,040	352.5	820	277.9	410	138.9	450	152.5
October . . . . .	3,830	1,265.9	2,710	896.4	1,120	370.5	730	241.5	380	125.7	350	115.8
November . . . . .	3,880	1,324.6	2,610	891.7	1,260	430.5	750	256.2	400	136.7	460	157.2
December . . . . .	3,860	1,319.1	2,430	829.5	1,430	488.2	690	235.5	490	167.3	390	133.1
<b>1980:</b>												
January . . . . .	3,830	1,348.6	2,520	886.6	1,310	460.9	790	278.0	480	168.9	510	179.4
February . . . . .	3,950	1,441.3	2,430	887.5	1,510	551.5	800	292.2	530	193.6	440	160.7
March . . . . .	4,030	1,341.3	2,490	829.6	1,540	513.1	830	276.5	660	219.9	390	129.9
April . . . . .	3,660	1,280.2	2,430	851.1	1,220	427.3	770	269.7	460	161.1	350	122.6
May . . . . .	3,610	1,217.7	2,390	806.1	1,220	411.5	750	253.0	390	131.5	490	165.3
June . . . . .	3,680	1,260.2	2,430	831.7	1,250	427.8	600	205.4	390	133.5	400	136.9
July . . . . .	3,760	1,211.7	2,650	854.7	1,110	358.0	810	261.2	330	106.4	380	122.6
August . . . . .	3,660	1,337.1	2,630	960.8	1,030	376.3	770	281.3	350	127.9	380	138.8
September . . . . .	3,570	1,168.3	2,710	887.3	860	281.6	820	268.5	280	91.7	460	150.6
October . . . . .	3,870	1,216.5	2,680	841.6	1,190	373.7	730	229.2	380	119.3	410	128.8
November . . . . .	3,620	1,251.8	2,430	841.3	1,190	412.0	770	266.6	500	173.1	330	114.2
December . . . . .	3,800	1,236.8	2,470	804.6	1,330	433.2	690	224.8	540	175.9	460	149.8
<b>1981:</b>												
January . . . . .	3,910	1,287.4	2,380	783.2	1,530	503.5	680	223.8	580	190.9	280	92.1
February . . . . .	3,700	1,300.6	2,100	738.8	1,600	562.9	830	292.0	610	214.6	330	116.1
March . . . . .	3,930	1,309.4	2,470	823.6	1,460	486.8	870	290.1	510	170.0	330	110.0
April . . . . .	3,530	1,239.3	2,380	834.6	1,150	403.3	850	298.1	450	157.8	240	84.2
May . . . . .	3,530	1,176.8	2,330	777.2	1,190	396.9	750	250.2	280	93.4	390	130.1
June . . . . .	3,280	1,117.4	2,300	782.8	980	333.5	600	204.2	400	136.1	410	139.5
July . . . . .	3,340	1,037.0	2,460	764.3	880	273.4	610	189.5	360	111.8	400	124.3
August . . . . .	3,300	1,021.4	2,580	799.7	720	223.2	630	195.3	190	58.9	440	136.4
September . . . . .	3,460	1,102.9	2,500	797.8	960	306.4	870	277.6	310	98.9	340	108.5
October . . . . .	3,720	1,173.2	2,460	775.8	1,260	397.4	700	220.8	430	135.6	330	104.1
November . . . . .	3,500	1,188.5	2,300	781.5	1,200	407.7	730	248.0	390	132.5	330	112.1
December . . . . .	3,560	1,156.2	2,280	740.3	1,280	415.6	730	237.0	430	139.6	370	120.1
<b>1982:</b>												
January . . . . .	3,620	1,165.3	2,170	698.5	1,450	466.8	600	193.1	540	173.8	330	106.2
February . . . . .	3,620	1,291.2	2,360	841.1	1,260	449.1	790	281.5	470	167.5	350	124.7
March . . . . .	3,620	1,195.0	2,390	789.8	1,230	406.5	860	284.2	420	138.8	300	99.1
April . . . . .	3,490	1,200.2	2,310	793.7	1,180	405.4	820	281.7	410	140.9	180	61.8
May . . . . .	3,420	1,115.5	2,500	814.7	920	299.8	770	250.9	310	101.0	400	130.3
June . . . . .	3,210	1,063.7	2,250	745.1	960	317.9	690	228.5	350	115.9	290	96.0
July . . . . .	3,300	994.5	2,400	724.3	900	271.6	660	199.2	270	81.5	360	108.7
August . . . . .	3,460	1,079.2	2,490	777.6	970	302.9	680	212.3	230	71.8	430	134.3
September . . . . .	3,430	1,100.4	2,200	706.6	1,220	391.9	770	247.3	430	138.1	210	67.5
October . . . . .	3,590	1,124.2	2,510	786.4	1,080	338.4	680	213.1	350	109.7	390	122.2
November . . . . .	3,270	1,086.7	2,220	736.9	1,050	348.5	660	219.1	310	102.9	360	119.5
December . . . . .	3,630	1,140.8	2,420	761.1	1,200	377.4	770	242.2	600	188.7	360	113.2
<b>1983:</b>												
January . . . . .	3,590	1,161.3	2,100	679.7	1,490	482.3	840	271.9	480	155.4	280	90.6
February . . . . .	3,330	1,210.9	2,080	756.1	1,250	454.4	600	218.1	530	192.7	370	134.5
March . . . . .	3,440	1,103.0	2,180	699.8	1,250	401.3	600	192.6	480	154.1	340	109.1
April . . . . .	3,290	1,135.7	2,210	763.1	1,080	372.9	620	214.1	410	141.6	260	89.8
May . . . . .	3,290	1,092.2	2,370	786.0	920	305.1	710	235.5	300	99.5	230	76.3
June . . . . .	2,900	983.2	2,000	677.6	900	304.9	610	206.7	300	101.6	250	84.7
July . . . . .	3,270	1,020.1	2,400	749.6	870	271.7	860	268.6	290	90.6	290	90.6
August . . . . .	3,170	1,006.2	2,280	723.7	890	282.5	680	215.8	350	111.1	320	101.6
September . . . . .	3,210	1,046.7	2,210	721.3	1,000	326.4	740	241.5	380	124.0	360	117.5
October . . . . .	3,430	1,150.5	2,230	747.1	1,200	402.0	670	224.5	370	124.0	280	93.8
November . . . . .	3,090	1,031.3	2,020	674.9	1,070	357.5	690	230.5	350	116.9	330	110.2
December . . . . .	3,170	1,073.6	1,870	632.7	1,300	439.8	640	216.5	610	206.4	290	98.1

See notes at end of table.

**Table 1. Estimated number of deaths and mortality rates for infant, neonatal, and postneonatal mortality, and Congenital anomalies, Sudden infant death syndrome, and Respiratory distress syndrome for infants under 1 year, by year and month of occurrence: United States, January 1979–December 1990—Con.**

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

Year and month of occurrence	Infant mortality		Neonatal mortality		Postneonatal mortality		Congenital anomalies		Sudden infant death syndrome		Respiratory distress syndrome	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984</b>												
January . . . . .	3,520	1,131.0	2,130	684.4	1,390	446.6	620	199.2	570	183.2	260	83.5
February . . . . .	3,740	1,136.0	2,010	610.7	1,730	525.6	730	221.8	570	173.2	330	103.3
March . . . . .	3,350	1,157.3	2,020	698.0	1,330	459.6	690	238.4	520	179.7	300	103.7
April . . . . .	3,470	1,059.2	2,040	623.2	1,420	433.8	810	247.5	540	165.0	310	94.7
May . . . . .	3,180	1,057.4	2,180	725.8	1,000	332.9	680	226.4	380	126.5	360	119.9
June . . . . .	3,100	1,054.6	2,300	783.0	800	272.3	630	214.5	250	85.1	330	112.3
July . . . . .	3,180	973.9	2,250	688.9	930	284.7	630	192.9	280	85.7	370	113.3
August . . . . .	3,180	1,024.2	2,230	719.4	950	306.5	750	241.9	400	129.0	370	119.4
September . . . . .	3,120	996.9	2,250	719.9	860	275.1	850	271.9	320	102.4	270	86.4
October . . . . .	3,250	1,056.6	2,090	680.1	1,150	374.2	630	205.0	360	117.1	360	117.1
November . . . . .	3,150	1,088.2	1,920	663.3	1,230	424.9	630	217.6	470	162.4	290	100.2
December . . . . .	3,290	1,093.2	1,910	635.4	1,370	455.8	770	256.2	470	156.4	280	93.1
<b>1985:</b>												
January . . . . .	3,460	1,103.9	1,960	625.7	1,500	478.8	750	239.4	590	188.3	360	114.9
February . . . . .	3,250	1,132.7	2,030	708.2	1,220	425.6	730	254.7	540	188.4	290	101.2
March . . . . .	3,310	1,080.7	2,110	688.3	1,200	391.4	830	270.7	470	153.3	210	68.5
April . . . . .	3,440	1,112.0	2,220	717.6	1,220	394.4	810	261.8	400	129.3	360	116.4
May . . . . .	3,300	1,097.2	2,150	715.7	1,150	382.8	630	209.7	450	149.8	300	99.9
June . . . . .	3,130	1,017.0	2,220	721.1	910	295.6	770	250.1	310	100.7	300	97.4
July . . . . .	3,250	996.8	2,290	703.0	960	294.7	710	218.0	240	73.7	360	110.5
August . . . . .	3,130	965.5	2,170	670.4	960	296.6	810	250.3	320	98.9	330	102.0
September . . . . .	3,090	978.8	2,110	669.0	980	310.7	600	190.2	270	85.6	420	133.2
October . . . . .	3,310	1,010.7	2,280	697.2	1,020	311.9	730	223.2	390	119.3	310	94.8
November . . . . .	3,350	1,110.1	2,170	719.5	1,180	391.2	740	245.4	610	202.2	210	69.6
December . . . . .	3,490	1,117.3	2,170	695.3	1,310	419.7	780	249.9	520	166.6	310	99.3
<b>1986:</b>												
January . . . . .	3,400	1,075.0	1,810	573.1	1,590	503.4	540	171.0	660	209.0	220	69.7
February . . . . .	3,110	1,079.0	1,840	637.8	1,270	440.2	570	197.6	530	183.7	190	65.9
March . . . . .	3,440	1,076.2	2,080	651.1	1,360	425.7	750	234.8	560	175.3	330	103.3
April . . . . .	3,240	1,059.5	2,130	696.9	1,110	363.2	530	173.4	390	127.6	390	127.6
May . . . . .	3,260	1,068.0	2,290	751.4	960	315.0	660	216.5	440	144.4	270	88.6
June . . . . .	3,260	1,095.4	2,240	753.8	1,020	343.3	800	269.2	350	117.8	290	97.6
July . . . . .	3,380	1,061.9	2,360	740.6	1,020	320.1	770	241.6	320	100.4	360	113.0
August . . . . .	3,970	934.7	2,780	653.9	1,190	279.9	980	230.5	430	101.1	400	94.1
September . . . . .	3,020	934.0	2,050	633.4	970	299.7	640	197.7	260	80.3	340	105.0
October . . . . .	3,290	1,030.2	2,150	673.8	1,140	357.3	710	222.5	480	150.4	290	90.9
November . . . . .	3,110	1,022.4	1,940	638.2	1,170	384.9	740	243.4	310	102.0	250	82.2
December . . . . .	3,180	1,028.4	1,860	602.1	1,320	427.3	660	213.6	510	165.1	270	87.4
<b>1987:</b>												
January . . . . .	3,370	1,066.8	2,000	634.1	1,360	431.2	660	209.2	480	152.2	240	76.1
February . . . . .	3,080	1,061.0	1,840	633.4	1,240	426.9	500	172.1	500	172.1	250	86.1
March . . . . .	3,170	993.0	2,030	635.5	1,140	356.9	660	206.6	470	147.1	240	75.1
April . . . . .	3,350	1,089.1	2,070	673.5	1,280	416.5	690	224.5	450	146.4	260	84.6
May . . . . .	3,050	975.9	1,890	605.5	1,160	371.7	630	201.8	450	144.2	240	76.9
June . . . . .	3,120	1,009.6	2,260	730.8	860	278.1	610	197.3	390	126.1	310	100.2
July . . . . .	3,170	968.2	2,300	702.7	870	265.8	690	210.8	150	45.8	380	116.1
August . . . . .	3,040	922.7	2,120	643.3	930	282.2	810	245.8	260	78.9	290	88.0
September . . . . .	2,850	878.6	2,020	622.3	830	255.7	670	206.4	310	95.5	200	61.6
October . . . . .	3,230	987.0	2,090	639.1	1,140	348.6	670	204.9	330	100.9	240	73.4
November . . . . .	3,150	1,013.7	1,880	604.2	1,270	408.2	670	215.3	440	141.4	290	93.2
December . . . . .	3,380	1,065.2	2,200	693.9	1,180	372.2	550	173.5	450	141.9	320	100.9
<b>1988:</b>												
January . . . . .	3,440	1,074.7	2,050	640.4	1,390	434.2	620	193.7	550	171.8	310	96.8
February . . . . .	3,380	1,094.5	1,940	628.4	1,440	466.4	660	213.8	520	168.4	220	71.3
March . . . . .	3,360	1,055.3	2,000	627.6	1,360	426.8	660	207.1	490	153.8	170	53.3
April . . . . .	3,140	1,015.6	2,010	650.1	1,130	365.5	540	174.7	460	148.8	340	110.0
May . . . . .	3,180	1,002.5	2,040	642.9	1,140	359.3	680	214.3	340	107.2	250	78.8
June . . . . .	3,060	954.0	2,010	626.7	1,050	327.4	600	187.1	370	115.4	190	59.2
July . . . . .	3,260	962.3	2,260	666.3	1,000	294.8	770	227.0	270	79.6	370	109.1
August . . . . .	3,010	889.8	2,200	649.7	810	239.2	680	200.8	280	82.7	280	82.7
September . . . . .	3,150	954.8	2,070	628.4	1,070	324.8	720	218.6	390	118.4	270	82.0
October . . . . .	3,330	987.4	2,050	607.3	1,290	382.2	770	228.1	370	109.6	230	68.1
November . . . . .	3,050	970.4	1,940	616.9	1,110	352.9	650	206.7	400	127.2	190	60.4
December . . . . .	3,300	1,009.6	2,070	634.3	1,220	373.8	610	186.9	480	147.1	270	82.7

See notes at end of table.

**Table 1. Estimated number of deaths and mortality rates for infant, neonatal, and postneonatal mortality, and Congenital anomalies, Sudden infant death syndrome, and Respiratory distress syndrome for infants under 1 year, by year and month of occurrence: United States, January 1979–December 1990—Con.**

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

Year and month of occurrence	Infant mortality		Neonatal mortality		Postneonatal mortality		Congenital anomalies		Sudden infant death syndrome		Respiratory distress syndrome	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	3,390	1,043.9	2,040	627.6	1,310	403.0	730	224.6	400	123.1	330	101.5
February . . . . .	3,180	1,052.7	1,840	608.5	1,310	433.2	570	188.5	440	145.5	210	69.5
March . . . . .	3,310	998.9	2,080	627.7	1,300	392.3	770	232.4	470	141.8	260	78.5
April . . . . .	3,220	1,003.5	2,050	638.5	1,170	364.4	730	227.4	410	127.7	360	112.1
May . . . . .	3,390	1,016.4	2,200	660.4	1,180	354.2	600	180.1	400	120.1	410	123.1
June . . . . .	3,270	1,022.4	2,200	687.6	1,070	334.4	660	206.3	370	115.6	240	75.0
July . . . . .	3,200	905.4	2,170	614.0	1,030	291.4	780	220.7	290	82.1	340	96.2
August . . . . .	3,120	903.5	2,020	584.9	1,100	318.5	720	208.5	300	86.9	220	63.7
September . . . . .	3,040	904.3	2,170	644.7	870	258.5	610	181.2	330	98.0	280	83.2
October . . . . .	3,290	949.0	2,110	608.3	1,180	340.2	750	216.2	370	106.7	240	69.2
November . . . . .	3,130	959.6	1,950	597.0	1,180	361.3	570	174.5	470	143.9	250	76.5
December . . . . .	3,340	993.9	1,960	582.7	1,390	413.3	590	175.4	490	145.7	260	77.3
<b>1990:</b>												
January . . . . .	3,540	1,038.2	2,000	586.7	1,540	451.8	790	231.8	570	167.2	320	93.9
February . . . . .	3,090	971.6	1,810	569.3	1,280	402.6	700	220.2	490	154.1	100	*31.5
March . . . . .	3,240	930.8	1,860	535.2	1,370	394.2	690	198.5	450	129.5	200	57.5
April . . . . .	3,210	960.9	2,130	636.8	1,080	322.9	690	206.3	360	107.6	270	80.7
May . . . . .	3,260	915.1	1,870	525.7	1,390	390.8	780	219.3	460	129.3	110	30.9
June . . . . .	3,180	923.3	2,050	595.7	1,120	325.5	790	229.6	340	98.8	160	46.5
July . . . . .	3,080	860.7	2,070	577.9	1,010	282.0	700	195.4	320	89.3	230	64.2
August . . . . .	3,090	872.6	2,090	589.6	1,010	284.9	540	152.3	340	95.9	170	48.0
September . . . . .	3,080	875.7	2,150	610.5	930	264.1	620	176.0	340	96.5	200	56.8
October . . . . .	3,130	859.6	1,930	530.0	1,200	329.6	840	230.7	370	101.6	190	52.2
November . . . . .	2,990	871.5	2,050	598.5	930	271.5	580	169.3	410	119.7	200	58.4
December . . . . .	3,210	912.0	1,900	540.2	1,310	372.4	790	224.6	470	133.6	300	85.3

NOTES: Data in this table are for figures 1–6. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for February 1990, volume 39, number 2.

**Table 2. Estimated number of deaths and death rates for Diseases of heart, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	240	9.3	970	38.5	3,650	184.9	10,350	577.8	6,360	871.0	10,460	1,873.7
February . . . . .	430	18.4	1,020	44.8	3,180	178.2	9,510	587.2	5,840	884.8	9,890	1,959.9
March . . . . .	270	10.4	810	32.1	3,480	176.0	8,740	487.1	5,690	778.1	9,370	1,675.6
April . . . . .	310	12.3	740	30.2	3,180	166.0	9,310	535.7	5,700	804.7	8,910	1,645.0
May . . . . .	240	9.2	710	28.1	3,180	160.5	8,430	469.0	5,800	791.7	9,230	1,647.8
June . . . . .	250	9.9	850	34.7	3,200	166.7	8,570	492.2	5,080	715.9	8,470	1,560.9
July . . . . .	350	13.3	840	32.8	3,170	160.4	8,480	473.0	5,130	695.1	8,700	1,540.8
August . . . . .	340	12.8	920	35.4	2,700	137.1	8,290	464.0	4,920	663.4	8,350	1,470.2
September . . . . .	260	10.1	770	30.6	3,060	160.3	7,480	432.1	5,380	748.7	8,260	1,501.1
October . . . . .	370	13.9	930	35.7	3,180	161.1	8,900	497.1	5,670	762.8	9,620	1,690.1
November . . . . .	280	10.8	680	27.0	3,270	171.0	8,480	488.9	5,330	740.3	9,670	1,753.6
December . . . . .	220	8.2	970	37.2	3,330	168.3	9,230	514.5	6,460	867.5	9,340	1,637.7
<b>1980:</b>												
January . . . . .	330	12.4	810	31.1	3,710	187.9	9,050	505.4	6,710	902.6	10,650	1,870.8
February . . . . .	310	12.4	1,040	42.7	3,690	199.6	9,270	552.9	6,530	938.2	10,160	1,906.1
March . . . . .	300	11.2	1,030	39.5	3,810	192.6	9,570	533.5	6,390	858.2	10,700	1,876.3
April . . . . .	280	10.8	830	32.9	3,380	176.4	8,950	515.1	6,110	847.1	9,740	1,763.5
May . . . . .	310	11.6	940	36.0	3,340	168.6	8,800	489.7	5,960	798.9	10,020	1,753.9
June . . . . .	210	8.1	960	37.9	3,190	166.1	8,500	488.1	5,630	778.9	8,780	1,586.0
July . . . . .	300	11.1	890	33.6	3,600	182.1	9,580	534.3	5,820	775.4	8,880	1,543.6
August . . . . .	290	10.6	930	34.7	3,360	170.6	8,920	499.6	5,740	761.4	9,300	1,609.7
September . . . . .	340	12.8	880	33.9	3,190	167.2	7,590	438.8	5,240	717.5	8,680	1,550.9
October . . . . .	260	9.4	780	29.0	3,600	182.4	8,870	495.8	5,820	770.4	9,490	1,639.3
November . . . . .	230	8.6	770	29.6	2,940	153.8	8,210	473.7	5,780	789.8	9,400	1,676.1
December . . . . .	280	10.2	950	35.3	3,960	200.3	10,240	571.3	6,320	835.2	10,100	1,741.6
<b>1981:</b>												
January . . . . .	330	11.9	970	35.9	3,910	197.1	10,380	577.1	7,200	948.1	11,420	1,962.4
February . . . . .	380	15.2	910	37.3	3,560	198.5	8,490	522.3	6,630	966.1	10,480	1,992.3
March . . . . .	270	9.7	980	36.3	3,550	178.7	9,440	524.2	6,410	843.0	10,560	1,811.9
April . . . . .	310	11.6	960	36.7	3,300	171.5	7,980	457.5	5,760	782.0	9,720	1,722.1
May . . . . .	340	12.3	910	33.6	3,940	198.0	9,460	524.4	5,770	757.5	9,730	1,666.8
June . . . . .	310	11.5	780	29.7	3,180	165.0	8,410	481.3	5,650	765.9	9,090	1,607.9
July . . . . .	270	9.6	990	36.1	3,670	185.2	8,390	467.3	5,880	769.1	9,240	1,577.2
August . . . . .	320	11.3	860	31.0	3,480	176.3	8,510	475.8	5,250	684.5	8,280	1,408.0
September . . . . .	280	10.2	800	29.7	3,190	166.8	8,170	471.5	5,790	779.3	9,090	1,595.6
October . . . . .	330	11.6	800	28.8	3,250	164.3	8,760	488.7	5,450	709.1	9,180	1,557.9
November . . . . .	370	13.4	910	33.8	3,140	163.9	7,970	459.1	5,820	781.9	9,130	1,599.7
December . . . . .	290	10.2	870	31.2	3,730	188.3	8,920	496.9	6,690	869.1	9,990	1,692.7
<b>1982:</b>												
January . . . . .	270	9.5	970	34.8	3,490	176.1	9,460	526.6	5,980	776.2	11,330	1,918.3
February . . . . .	210	8.1	880	34.9	3,180	177.5	8,390	516.7	6,170	886.1	8,930	1,672.5
March . . . . .	410	14.4	890	31.9	3,550	178.8	8,720	484.7	6,390	828.2	9,860	1,666.8
April . . . . .	350	12.7	1,020	37.7	3,290	171.1	8,780	503.9	6,730	900.7	9,870	1,722.9
May . . . . .	350	12.2	900	32.2	3,240	163.0	7,830	434.5	6,580	851.5	9,380	1,583.4
June . . . . .	310	11.2	840	31.0	3,150	163.6	8,280	474.4	5,010	669.4	9,110	1,587.7
July . . . . .	370	12.8	1,070	37.7	3,790	191.1	8,220	457.4	5,720	737.2	9,740	1,636.4
August . . . . .	370	12.6	710	24.7	3,030	153.4	8,240	459.0	5,250	672.9	8,950	1,489.2
September . . . . .	360	12.7	890	32.0	3,070	160.5	7,600	437.0	5,690	752.9	8,460	1,453.2
October . . . . .	320	10.9	920	32.0	3,240	163.7	8,580	477.1	5,710	730.5	9,900	1,644.1
November . . . . .	230	8.1	790	28.4	3,020	157.6	7,560	433.9	5,680	750.3	9,460	1,622.0
December . . . . .	400	13.6	840	29.2	3,440	173.6	8,770	486.8	6,430	821.3	10,330	1,712.8
<b>1983:</b>												
January . . . . .	280	9.5	1,130	39.2	3,870	195.1	9,520	528.0	6,030	769.6	10,530	1,744.7
February . . . . .	350	13.2	970	37.3	3,440	191.9	8,550	524.7	6,710	947.4	10,480	1,921.2
March . . . . .	310	10.5	820	28.4	3,470	174.7	8,760	485.2	6,670	850.1	10,110	1,672.8
April . . . . .	270	9.5	900	32.2	3,540	184.0	8,850	506.2	6,120	805.4	10,150	1,733.9
May . . . . .	150	5.1	950	32.9	2,960	148.8	8,410	465.1	5,810	739.4	9,300	1,536.4
June . . . . .	240	8.4	950	34.0	3,260	169.2	8,490	484.8	5,370	705.6	9,120	1,555.6
July . . . . .	380	12.7	1,120	38.3	3,870	195.2	8,340	461.5	6,130	775.6	9,800	1,603.0
August . . . . .	190	6.3	900	30.4	3,190	161.3	7,720	428.0	5,540	700.2	7,810	1,271.9
September . . . . .	370	12.7	830	28.9	2,940	153.5	7,040	402.9	5,360	699.4	8,960	1,506.3
October . . . . .	320	10.6	920	31.0	3,660	184.8	8,040	444.9	5,710	720.3	9,560	1,553.9
November . . . . .	340	11.6	1,030	35.9	3,100	161.6	7,900	451.4	5,310	691.7	9,060	1,520.4
December . . . . .	250	8.3	840	28.3	3,450	173.9	8,380	463.0	6,630	835.2	10,570	1,715.4

See notes at end of table.

**Table 2. Estimated number of deaths and death rates for Diseases of heart, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	380	12.6	960	32.4	3,390	171.2	8,890	492.2	7,100	896.2	11,170	1,816.5
February . . . . .	290	10.2	1,000	36.0	2,860	154.3	8,320	492.1	5,780	779.4	9,290	1,613.8
March . . . . .	260	8.6	880	29.7	3,670	185.1	8,450	467.2	6,670	840.8	10,240	1,663.0
April . . . . .	360	12.3	840	29.2	3,570	186.0	8,240	470.4	5,850	761.5	10,120	1,697.1
May . . . . .	370	12.2	980	33.0	2,850	143.6	7,920	437.3	6,010	756.5	9,630	1,561.5
June . . . . .	320	10.9	710	24.7	3,110	161.7	7,760	442.4	5,650	734.4	9,370	1,568.9
July . . . . .	300	9.8	840	27.9	3,120	157.3	8,530	470.9	5,760	723.0	8,680	1,398.7
August . . . . .	300	9.7	880	28.9	3,200	161.8	7,720	427.1	5,530	692.2	8,780	1,406.3
September . . . . .	330	11.0	920	31.2	2,690	140.4	7,100	405.5	5,670	732.7	8,810	1,456.8
October . . . . .	310	10.0	670	21.9	3,170	160.0	7,670	423.5	5,620	702.1	9,040	1,445.2
November . . . . .	350	11.7	920	31.1	3,200	166.7	7,470	425.9	5,870	757.2	8,680	1,432.6
December . . . . .	310	10.0	1,150	37.6	3,330	167.8	8,540	470.8	6,290	784.6	9,660	1,541.8
<b>1985:</b>												
January . . . . .	290	9.3	850	27.7	3,690	185.3	9,050	497.2	6,930	861.4	10,600	1,686.1
February . . . . .	260	9.2	1,100	39.7	3,470	192.7	7,770	472.3	6,530	898.1	10,160	1,788.1
March . . . . .	410	13.1	970	31.6	3,050	152.9	8,220	451.1	6,110	758.5	10,130	1,609.4
April . . . . .	410	13.6	1,140	38.3	3,320	171.9	8,240	466.9	6,280	805.0	10,460	1,716.1
May . . . . .	410	13.1	1,070	34.8	3,270	163.7	7,960	436.1	5,610	695.4	9,310	1,476.7
June . . . . .	350	11.6	1,040	34.9	3,220	166.5	7,650	432.8	5,450	697.6	9,030	1,479.1
July . . . . .	310	9.8	890	28.6	3,480	174.6	7,790	427.4	5,570	688.2	9,010	1,419.8
August . . . . .	330	10.3	1,010	32.1	2,950	148.4	6,940	381.6	5,020	617.6	8,430	1,318.1
September . . . . .	320	10.4	750	24.6	2,910	151.2	7,030	399.1	5,440	690.9	8,810	1,422.2
October . . . . .	410	12.8	1,100	34.9	3,150	158.2	7,000	384.2	5,540	680.3	9,030	1,409.3
November . . . . .	370	12.0	800	26.2	2,830	146.8	7,610	431.2	5,610	711.3	9,010	1,451.7
December . . . . .	360	11.3	1,110	35.2	3,130	156.9	8,290	454.3	6,260	767.5	9,310	1,450.7
<b>1986:</b>												
January . . . . .	380	11.9	1,080	34.2	3,300	165.4	8,560	468.7	6,380	781.7	10,320	1,606.8
February . . . . .	340	11.7	750	26.3	3,110	172.4	7,520	455.5	6,090	825.4	9,510	1,638.1
March . . . . .	350	10.9	1,060	33.5	3,450	172.6	8,290	453.3	6,860	839.3	10,030	1,559.6
April . . . . .	280	9.0	860	28.1	3,030	156.5	8,170	461.3	6,560	828.7	9,730	1,562.0
May . . . . .	320	10.0	1,090	34.4	2,840	141.9	7,740	422.6	6,220	759.9	9,620	1,493.5
June . . . . .	390	12.5	980	32.0	3,140	162.0	7,770	438.0	5,410	682.4	8,400	1,346.5
July . . . . .	220	6.8	950	29.7	3,090	154.7	7,270	397.5	5,350	650.4	8,640	1,330.3
August . . . . .	340	10.4	1,080	33.5	2,380	119.4	6,970	381.4	5,260	636.9	8,200	1,253.2
September . . . . .	390	12.3	970	31.0	2,920	151.2	7,130	402.8	5,410	676.3	8,650	1,364.8
October . . . . .	230	7.0	830	25.7	2,960	148.2	7,290	398.1	5,490	663.5	8,710	1,328.8
November . . . . .	330	10.4	900	28.7	3,070	158.7	7,410	417.9	5,710	712.5	8,730	1,374.9
December . . . . .	250	7.6	990	30.6	2,980	149.0	7,310	398.7	6,210	749.4	9,050	1,378.5
<b>1987:</b>												
January . . . . .	310	9.5	1,090	33.7	3,300	164.9	7,690	419.1	6,540	788.7	10,790	1,642.4
February . . . . .	330	11.1	890	30.4	3,280	181.3	7,490	451.7	5,710	761.9	9,180	1,546.1
March . . . . .	360	11.0	960	29.6	3,100	154.7	7,660	416.9	6,140	739.6	9,780	1,487.0
April . . . . .	280	8.8	960	30.6	3,110	160.2	7,900	444.0	6,310	784.7	9,600	1,506.9
May . . . . .	260	7.9	840	25.9	2,830	141.0	7,650	415.8	5,890	708.5	9,500	1,442.4
June . . . . .	360	11.3	920	29.2	3,260	167.7	6,960	390.6	5,790	719.0	9,020	1,413.9
July . . . . .	460	13.9	1,040	31.7	2,820	140.6	6,970	378.6	5,690	680.6	8,730	1,313.8
August . . . . .	280	8.4	890	27.1	2,890	143.9	6,510	353.3	5,290	632.2	8,420	1,266.0
September . . . . .	300	9.3	840	26.4	2,860	147.1	6,490	363.6	5,190	640.3	8,210	1,274.4
October . . . . .	360	10.8	970	29.5	2,850	141.7	6,790	367.8	5,560	663.3	8,720	1,308.7
November . . . . .	410	12.7	750	23.6	2,840	145.8	6,740	377.0	5,410	666.3	8,740	1,354.3
December . . . . .	240	7.2	900	27.3	3,370	167.3	7,030	380.2	5,880	700.4	9,420	1,411.6
<b>1988:</b>												
January . . . . .	300	9.0	920	27.9	3,120	154.9	7,900	426.8	6,140	732.2	9,580	1,434.1
February . . . . .	330	10.6	920	29.8	2,980	158.0	8,060	464.9	6,100	776.9	9,730	1,555.4
March . . . . .	240	7.2	920	27.8	3,470	171.9	7,330	395.0	6,270	746.3	10,150	1,515.9
April . . . . .	410	12.7	980	30.6	3,170	162.1	7,400	411.6	5,820	715.5	9,730	1,500.5
May . . . . .	340	10.1	990	29.9	2,990	147.8	6,960	374.1	5,590	664.4	9,080	1,354.1
June . . . . .	380	11.7	870	27.1	2,660	135.7	6,810	377.7	4,910	602.5	8,380	1,289.4
July . . . . .	370	11.0	910	27.4	2,740	135.1	6,610	354.3	5,560	659.6	8,430	1,253.3
August . . . . .	280	8.3	860	25.8	2,680	132.1	7,080	379.2	5,290	626.9	8,250	1,225.2
September . . . . .	330	10.1	870	27.0	2,720	138.4	6,280	347.2	5,270	644.6	7,970	1,221.1
October . . . . .	370	11.0	1,050	31.5	2,980	146.6	6,270	335.1	5,800	685.7	9,560	1,415.1
November . . . . .	220	6.7	790	24.4	2,740	139.2	6,670	368.0	5,100	622.4	8,590	1,311.9
December . . . . .	320	9.5	840	25.1	3,020	148.4	7,340	391.6	5,870	692.5	8,810	1,300.0

See notes at end of table.

**Table 2. Estimated number of deaths and death rates for Diseases of heart, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	360	10.6	880	26.2	2,700	132.1	6,950	369.0	6,200	728.5	9,180	1,348.6
February . . . . .	330	10.7	820	26.9	2,960	160.2	6,920	406.5	5,730	744.7	8,370	1,359.4
March . . . . .	270	7.9	910	27.0	2,950	144.1	7,240	383.8	5,730	672.0	9,320	1,365.9
April . . . . .	290	8.8	1,000	30.6	2,710	136.7	6,880	376.5	5,450	659.8	8,690	1,314.2
May . . . . .	300	8.8	880	26.0	2,810	137.1	6,800	359.7	5,000	585.1	8,940	1,306.3
June . . . . .	270	8.1	900	27.4	2,900	146.0	6,400	349.5	5,230	631.7	7,990	1,204.5
July . . . . .	350	10.2	1,050	30.9	2,960	144.2	6,590	347.9	5,150	601.2	8,200	1,194.5
August . . . . .	260	7.6	810	23.8	2,390	116.3	5,920	312.2	5,230	610.0	7,450	1,083.6
September . . . . .	300	9.0	1,060	32.2	2,620	131.6	5,930	322.9	4,710	567.0	7,280	1,092.7
October . . . . .	310	9.0	750	22.0	2,510	122.0	6,800	358.0	4,970	578.3	8,320	1,206.4
November . . . . .	240	7.2	870	26.3	2,630	131.9	6,180	335.9	4,890	587.4	7,800	1,167.3
December . . . . .	350	10.1	940	27.5	2,840	137.8	6,830	358.9	5,950	690.8	9,470	1,369.0
<b>1990:</b>												
January . . . . .	380	11.0	950	27.8	2,980	144.5	7,170	376.3	6,560	760.7	9,420	1,357.9
February . . . . .	250	8.0	810	26.2	2,680	143.7	6,500	377.4	5,480	703.0	8,060	1,285.2
March . . . . .	350	10.1	930	27.1	2,580	124.9	6,690	350.5	5,430	628.6	9,220	1,326.6
April . . . . .	330	9.8	1,040	31.3	2,600	130.0	6,230	337.0	5,590	668.1	8,850	1,314.1
May . . . . .	360	10.4	850	24.7	2,730	132.0	6,540	342.1	5,380	621.5	8,760	1,257.1
June . . . . .	330	9.8	860	25.8	2,570	128.3	5,810	313.7	4,730	564.0	7,820	1,157.9
July . . . . .	300	8.6	1,070	31.0	2,490	120.2	6,560	342.4	5,100	587.7	7,610	1,088.6
August . . . . .	260	7.5	920	26.6	2,270	109.5	5,710	297.8	5,100	587.4	7,510	1,073.2
September . . . . .	200	5.9	790	23.6	2,380	118.5	5,410	291.3	4,730	562.4	7,800	1,150.2
October . . . . .	370	10.6	820	23.7	2,650	127.6	5,940	309.2	5,450	626.6	8,050	1,147.5
November . . . . .	250	7.4	880	26.2	2,630	130.8	5,960	320.3	4,700	557.9	7,480	1,100.7
December . . . . .	480	13.7	970	27.9	2,710	130.3	6,590	342.4	5,560	638.2	8,770	1,247.5

NOTES: Data in this table are for figures 7–12. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for March 1990, volume 39, number 3.



**Table 3. Estimated number of deaths and death rates for Chronic obstructive pulmonary diseases and allied conditions and Chronic liver disease and cirrhosis, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	Chronic obstructive pulmonary diseases and allied conditions								Chronic liver disease and cirrhosis			
	45–64 years				65–74 years				45–64 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January	360	18.2	550	30.7	370	50.7	1,200	214.9	550	27.8	890	49.7
February	340	19.0	600	37.0	470	71.2	1,030	204.1	460	25.8	980	60.5
March	310	15.7	560	31.2	450	61.5	1,140	203.9	380	19.2	780	43.5
April	310	16.2	580	33.4	450	63.5	940	173.5	480	25.1	790	45.4
May	310	15.6	410	22.8	410	56.0	1,100	196.4	410	20.7	890	49.5
June	260	13.5	550	31.6	300	42.3	850	156.6	400	20.8	830	47.7
July	290	14.7	510	28.4	300	40.6	1,030	182.4	260	13.2	870	48.5
August	330	16.7	470	26.3	330	44.5	880	154.9	330	16.7	950	53.2
September	340	17.8	480	27.7	380	52.9	1,000	181.7	430	22.5	670	38.7
October	320	16.2	480	26.8	270	36.3	1,140	200.3	440	22.3	990	55.3
November	200	10.5	480	27.7	410	56.9	940	170.5	360	18.8	870	50.2
December	250	12.6	680	37.9	480	64.5	1,140	199.9	290	14.7	820	45.7
<b>1980:</b>												
January	300	15.2	580	32.4	550	74.0	1,170	205.5	660	33.4	1,100	61.4
February	380	20.5	680	40.6	550	79.0	1,210	227.0	450	24.3	1,050	62.6
March	420	21.2	720	40.1	410	55.1	1,280	224.4	490	24.8	1,050	58.5
April	350	18.3	550	31.6	430	59.6	1,130	204.6	420	21.9	830	47.8
May	340	17.2	710	39.5	510	68.4	1,170	204.8	440	22.2	930	51.7
June	310	16.1	520	29.9	400	55.3	1,110	200.5	420	21.9	850	48.8
July	350	17.7	770	42.9	420	56.0	1,490	259.0	390	19.7	960	53.5
August	270	13.7	520	29.1	300	39.8	1,010	174.8	550	27.9	800	44.8
September	230	12.1	580	33.5	380	52.0	1,050	187.6	410	21.5	880	50.9
October	300	15.2	550	30.7	390	51.6	1,150	198.6	390	19.8	1,030	57.6
November	320	16.7	850	49.0	460	62.9	950	169.4	400	20.9	850	49.0
December	430	21.7	750	41.8	590	78.0	1,310	225.9	570	28.8	840	46.9
<b>1981:</b>												
January	460	23.2	700	38.9	720	94.8	1,550	266.3	520	26.2	800	44.5
February	490	27.3	920	56.6	900	131.1	1,400	266.2	580	32.3	970	59.7
March	450	22.6	600	33.3	670	88.1	1,580	271.1	550	27.7	910	50.5
April	350	18.2	680	39.0	710	96.4	1,430	253.4	460	23.9	690	39.6
May	400	20.1	640	35.5	550	72.2	1,330	227.8	440	22.1	760	42.1
June	390	20.2	570	32.6	460	62.4	1,130	199.9	510	26.5	790	45.2
July	320	16.1	510	28.4	510	66.7	1,230	209.9	430	21.7	920	51.2
August	290	14.7	480	26.8	530	69.1	1,080	183.6	290	14.7	860	48.1
September	260	13.6	560	32.3	480	64.6	1,150	201.9	460	24.1	740	42.7
October	280	14.2	480	26.8	510	66.3	1,000	169.7	520	26.3	890	49.7
November	260	13.6	700	40.3	500	67.2	1,080	189.2	520	27.1	780	44.9
December	360	18.2	710	39.5	480	62.4	1,070	181.3	400	20.2	670	37.3
<b>1982:</b>												
January	390	19.7	600	33.4	390	50.6	1,120	189.6	360	18.2	770	42.9
February	270	15.1	570	35.1	520	74.7	1,130	211.6	310	17.3	700	43.1
March	490	24.7	610	33.9	700	90.7	1,300	219.8	380	19.1	750	41.7
April	340	17.7	660	37.9	710	95.0	1,430	249.6	340	17.7	870	49.9
May	290	14.6	530	29.4	600	77.6	1,220	205.9	430	21.6	790	43.8
June	370	19.2	730	41.8	520	69.5	1,210	210.9	300	15.6	740	42.4
July	360	18.1	510	28.4	620	79.9	1,390	233.5	320	16.1	810	45.1
August	390	19.7	560	31.2	550	70.5	1,060	176.4	370	18.7	600	33.4
September	250	13.1	690	39.7	530	70.1	1,090	187.2	350	18.3	870	50.0
October	300	15.2	530	29.5	560	71.6	1,230	204.3	400	20.2	830	46.1
November	320	16.7	430	24.7	470	62.1	1,210	207.5	360	18.8	770	44.2
December	430	21.7	640	35.5	730	93.2	1,000	165.8	360	18.2	710	39.4
<b>1983:</b>												
January	270	13.6	790	43.8	690	88.1	1,400	232.0	510	25.7	730	40.5
February	350	19.5	900	55.2	790	111.5	1,620	297.0	430	24.0	770	47.2
March	580	29.2	700	38.8	740	94.3	1,310	216.8	440	22.1	890	49.3
April	390	20.3	710	40.6	740	97.4	1,440	246.0	350	18.2	910	52.0
May	340	17.1	710	39.3	690	87.8	1,440	237.9	360	18.1	670	37.1
June	380	19.7	650	37.1	660	86.7	1,330	226.8	430	22.3	670	38.3
July	330	16.6	540	29.9	520	65.8	1,340	219.2	400	20.2	800	44.3
August	340	17.2	510	28.3	560	70.8	1,210	197.0	280	14.2	550	30.5
September	350	18.3	470	26.9	610	79.6	970	163.1	330	17.2	730	41.8
October	360	18.2	530	29.3	580	73.2	1,020	165.8	370	18.7	670	37.1
November	370	19.3	640	36.6	500	65.1	1,080	181.2	330	17.2	670	38.3
December	440	22.2	630	34.8	660	83.1	1,400	227.2	390	19.7	900	49.7

See notes at end of table.

**Table 3. Estimated number of deaths and death rates for Chronic obstructive pulmonary diseases and allied conditions and Chronic liver disease and cirrhosis, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	Chronic obstructive pulmonary diseases and allied conditions								Chronic liver disease and cirrhosis			
	45–64 years				65–74 years				45–64 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	440	22.2	580	32.1	780	98.5	1,360	221.2	390	19.7	760	42.1
February . . . . .	440	23.7	610	36.1	580	78.2	1,250	217.1	380	20.5	790	46.7
March . . . . .	460	23.2	780	43.1	720	90.8	1,600	259.8	360	18.2	720	39.8
April . . . . .	370	19.3	860	49.1	910	118.4	1,600	268.3	360	18.8	740	42.2
May . . . . .	390	19.6	620	34.2	740	93.1	1,500	243.2	320	16.1	650	35.9
June . . . . .	420	21.8	620	35.3	800	104.0	1,330	222.7	380	19.8	790	45.0
July . . . . .	370	18.6	610	33.7	630	79.1	1,230	198.2	320	16.1	600	33.1
August . . . . .	250	12.6	510	28.2	590	73.8	1,360	217.8	340	17.2	790	43.7
September . . . . .	350	18.3	790	45.1	580	74.9	1,100	181.9	300	15.7	780	44.5
October . . . . .	550	27.7	530	29.3	580	72.5	1,300	207.8	290	14.6	710	39.2
November . . . . .	320	16.7	570	32.5	530	68.4	1,300	214.5	350	18.2	820	46.7
December . . . . .	480	24.2	580	32.0	860	107.3	1,380	220.3	400	20.1	630	34.7
<b>1985:</b>												
January . . . . .	580	29.1	670	36.8	930	115.6	1,470	233.8	400	20.1	780	42.8
February . . . . .	550	30.5	780	47.4	990	136.2	1,480	260.5	280	15.6	760	46.2
March . . . . .	490	24.6	740	40.6	920	114.2	1,590	252.6	390	19.5	770	42.2
April . . . . .	580	30.0	600	34.0	680	87.2	1,360	223.1	380	17.1	830	47.0
May . . . . .	490	24.5	660	36.2	790	97.9	1,090	172.9	320	16.0	620	34.0
June . . . . .	480	24.8	540	30.5	700	89.6	1,200	196.6	400	20.7	680	38.5
July . . . . .	550	27.6	670	36.8	620	76.6	1,210	190.7	330	16.6	740	40.6
August . . . . .	350	17.6	470	25.8	580	71.4	1,010	157.9	330	16.6	740	40.7
September . . . . .	420	21.8	540	30.6	480	61.0	960	155.0	230	11.9	790	44.8
October . . . . .	320	16.1	490	26.9	800	98.2	1,120	174.8	170	8.5	720	39.5
November . . . . .	410	21.3	630	35.7	810	102.7	1,270	204.6	290	15.0	720	40.8
December . . . . .	480	24.1	650	35.6	720	88.3	1,380	215.0	400	20.1	560	30.7
<b>1986:</b>												
January . . . . .	390	19.5	730	40.0	890	109.0	1,510	235.1	320	16.0	900	49.3
February . . . . .	540	29.9	620	37.6	870	117.9	1,700	292.8	410	22.7	660	40.0
March . . . . .	560	28.0	930	50.8	1,090	133.3	1,360	211.5	340	17.0	690	37.7
April . . . . .	360	18.6	590	33.3	790	99.8	1,490	239.2	240	12.4	640	36.1
May . . . . .	410	20.5	510	27.8	740	90.4	1,410	218.9	330	16.5	660	36.0
June . . . . .	390	20.1	580	32.7	830	104.7	1,250	200.4	270	13.9	720	40.6
July . . . . .	420	21.0	580	31.7	790	96.0	1,170	180.1	380	19.0	610	33.3
August . . . . .	330	16.5	630	34.5	730	88.4	1,140	174.2	280	14.0	650	35.6
September . . . . .	360	18.6	520	29.4	670	83.7	1,260	198.8	300	15.5	600	33.9
October . . . . .	460	23.0	550	30.0	670	81.0	1,150	175.4	410	20.5	660	36.0
November . . . . .	420	21.7	620	35.0	680	84.9	1,080	170.1	280	14.5	770	43.4
December . . . . .	450	22.5	520	28.4	810	97.7	1,300	198.0	270	13.5	630	34.4
<b>1987:</b>												
January . . . . .	470	23.5	590	32.2	1,060	127.8	1,420	216.2	460	23.0	740	40.3
February . . . . .	450	24.9	620	37.4	780	104.1	1,340	225.7	320	17.7	510	30.8
March . . . . .	640	31.9	480	26.1	1,020	122.9	1,560	237.2	350	17.5	590	32.1
April . . . . .	530	27.3	680	38.2	930	115.7	1,510	237.0	430	22.2	700	39.3
May . . . . .	520	25.9	600	32.6	1,040	125.1	1,310	198.9	330	16.4	480	26.1
June . . . . .	450	23.1	610	34.2	810	100.6	1,270	199.1	300	15.4	710	39.8
July . . . . .	430	21.4	570	31.0	750	89.7	1,070	161.0	400	19.9	780	42.4
August . . . . .	350	17.4	540	29.3	560	66.9	1,300	195.5	230	11.4	660	35.8
September . . . . .	310	15.9	490	27.4	660	81.4	1,170	181.6	270	13.9	640	35.9
October . . . . .	360	17.9	590	32.0	660	78.7	1,260	189.1	370	18.4	890	48.2
November . . . . .	380	19.5	530	29.6	750	92.4	1,200	185.9	230	11.8	590	33.0
December . . . . .	490	24.3	650	35.1	990	117.9	1,370	205.3	250	12.4	660	35.7
<b>1988:</b>												
January . . . . .	580	28.8	680	36.7	870	103.7	1,440	215.6	320	15.9	650	35.1
February . . . . .	440	23.3	680	39.2	1,110	141.4	1,470	235.0	440	23.3	610	35.2
March . . . . .	700	34.7	750	40.4	1,090	129.7	1,630	243.4	280	13.9	730	39.3
April . . . . .	530	27.1	690	38.4	1,030	126.6	1,430	220.5	310	15.8	760	42.3
May . . . . .	450	22.2	600	32.2	880	104.6	1,410	210.3	320	15.8	660	35.5
June . . . . .	440	22.4	590	32.7	790	96.9	1,360	209.3	270	13.8	630	34.9
July . . . . .	310	15.3	590	31.6	960	113.9	1,180	175.4	270	13.3	620	33.2
August . . . . .	490	24.1	570	30.5	710	84.1	1,210	179.7	300	14.8	600	32.1
September . . . . .	410	20.9	670	37.0	880	107.6	1,070	163.9	280	14.2	680	37.6
October . . . . .	380	18.7	610	32.6	890	105.2	1,240	183.5	330	16.2	590	31.5
November . . . . .	390	19.8	500	27.6	860	104.9	1,150	175.6	200	10.2	550	30.3
December . . . . .	370	18.2	660	35.2	960	113.2	1,450	214.0	290	14.2	700	37.3

See notes at end of table.

**Table 3. Estimated number of deaths and death rates for Chronic obstructive pulmonary diseases and allied conditions and Chronic liver disease and cirrhosis, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	Chronic obstructive pulmonary diseases and allied conditions								Chronic liver disease and cirrhosis			
	45–64 years				65–74 years				45–64 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1989:												
January . . . . .	570	27.9	570	30.3	980	115.2	1,510	221.8	250	12.2	690	36.6
February . . . . .	620	33.6	880	51.7	1,380	179.3	1,480	240.4	230	12.4	540	31.7
March . . . . .	590	28.8	840	44.5	1,170	137.2	1,390	203.7	240	11.7	690	36.6
April . . . . .	520	26.2	560	30.6	1,110	134.4	1,460	220.8	290	14.6	640	35.0
May . . . . .	460	22.4	550	29.1	1,000	117.0	1,290	188.5	270	13.2	700	37.0
June . . . . .	380	19.1	500	27.3	800	96.6	1,320	199.0	260	13.1	620	33.9
July . . . . .	400	19.5	550	29.0	840	98.1	1,230	179.2	240	11.7	590	31.1
August . . . . .	460	22.4	560	29.5	760	88.6	1,130	164.4	200	9.7	480	25.3
September . . . . .	380	19.1	510	27.8	670	80.7	1,020	153.1	280	14.1	660	35.9
October . . . . .	430	20.9	470	24.7	810	94.2	1,070	155.1	320	15.5	790	41.6
November . . . . .	380	19.1	490	26.6	750	90.1	1,060	158.6	280	14.0	660	35.9
December . . . . .	510	24.7	670	35.2	1,060	123.1	1,390	200.9	390	18.9	730	38.4
1990:												
January . . . . .	840	40.7	910	47.7	1,310	151.9	1,960	282.5	240	11.6	820	43.0
February . . . . .	520	27.9	620	36.0	1,190	152.6	1,700	271.1	310	16.6	550	31.9
March . . . . .	500	24.2	690	36.1	1,210	140.1	1,670	240.3	280	13.6	610	32.0
April . . . . .	510	25.5	660	35.7	970	115.9	1,250	185.6	220	11.0	700	37.9
May . . . . .	570	27.6	480	25.1	930	107.4	1,530	219.6	280	13.5	640	33.5
June . . . . .	440	22.0	630	34.0	780	93.0	1,280	189.5	160	8.0	700	37.8
July . . . . .	460	22.2	650	33.9	810	93.3	1,230	175.9	300	14.5	530	27.7
August . . . . .	310	14.9	430	22.4	870	100.2	1,230	175.8	260	12.5	530	27.6
September . . . . .	330	16.4	450	24.2	730	86.8	1,030	151.9	200	10.0	650	35.0
October . . . . .	290	14.0	540	28.1	750	86.2	1,090	155.4	220	10.6	600	31.2
November . . . . .	310	15.4	420	22.6	820	97.3	1,150	169.2	140	7.0	600	32.2
December . . . . .	440	21.1	670	34.8	880	101.0	1,330	189.2	300	14.4	780	40.5

NOTES: Data in this table are for figures 13–18. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for April 1990, volume 39, number 4.

**Table 4. Estimated number of deaths and death rates for Cerebrovascular diseases, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	45–64 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
<b>1979:</b>												
January	920	46.6	1,050	58.6	1,460	199.9	1,800	322.4	3,250	812.8	2,230	938.1
February	810	45.4	1,040	64.2	1,380	209.1	1,510	299.2	3,000	830.1	2,130	991.3
March	850	43.0	900	50.2	1,360	186.0	1,240	221.7	3,240	809.1	2,090	877.6
April	800	41.8	1,040	59.8	1,350	190.6	1,360	251.1	3,040	783.6	2,000	867.2
May	810	40.9	1,040	57.9	1,350	184.3	1,470	262.4	2,480	618.2	1,850	775.4
June	810	42.2	810	46.5	1,260	177.5	1,370	252.5	2,880	741.1	2,030	878.3
July	650	32.9	720	40.2	1,370	185.6	1,390	246.2	2,410	595.0	1,910	794.9
August	590	29.9	740	41.4	1,330	179.3	1,380	243.0	2,520	617.1	1,980	819.4
September	650	34.1	960	55.5	1,150	160.0	1,240	225.3	2,280	576.3	1,800	769.0
October	660	33.4	810	45.2	1,560	209.9	1,210	212.6	2,740	669.6	2,020	834.2
November	660	34.5	840	48.4	1,500	208.3	1,530	277.5	3,140	792.1	1,980	844.1
December	730	36.9	900	50.2	1,470	197.4	1,480	259.5	2,990	729.2	2,230	919.0
<b>1980:</b>												
January	780	39.5	1,070	59.8	1,440	193.7	1,650	289.8	2,950	720.9	2,380	982.8
February	820	44.3	1,060	63.2	1,500	215.5	1,470	275.8	3,200	835.1	2,210	974.5
March	860	43.5	940	52.4	1,500	201.4	1,610	282.3	3,330	812.1	2,170	894.6
April	610	31.8	920	52.9	1,500	207.9	1,530	277.0	3,080	775.7	2,240	953.2
May	790	39.9	870	48.4	1,240	166.2	1,410	246.8	2,670	650.1	2,130	876.2
June	730	38.0	1,010	58.0	1,300	179.9	1,220	220.4	2,510	630.7	2,030	862.0
July	680	34.4	760	42.4	1,480	197.2	1,120	194.7	2,830	682.7	2,040	834.3
August	560	28.4	900	50.4	1,400	185.7	1,560	270.0	2,840	677.4	1,810	732.8
September	730	38.3	780	45.1	1,220	167.0	1,350	241.2	2,350	578.6	1,860	777.4
October	820	41.5	970	54.2	1,550	205.2	1,520	262.6	3,070	730.8	1,790	723.0
November	820	42.9	800	46.2	1,370	187.2	1,450	258.5	2,740	673.3	1,930	805.0
December	900	45.5	950	53.0	1,350	178.4	1,670	288.0	3,250	772.4	2,240	903.5
<b>1981:</b>												
January	960	48.4	970	53.9	1,700	223.9	1,830	314.5	3,480	823.9	2,140	860.2
February	930	51.9	1,050	64.6	1,260	183.6	1,590	302.3	3,270	856.6	2,260	1,004.8
March	970	48.8	810	45.0	1,640	215.7	1,550	266.0	3,220	761.4	2,180	874.8
April	730	37.9	890	51.0	1,240	168.4	1,430	253.4	2,620	639.7	2,070	857.8
May	720	36.2	750	41.6	1,400	183.8	1,320	226.1	2,660	628.0	1,540	617.2
June	780	40.5	780	44.6	1,010	136.9	1,340	237.0	2,830	689.9	1,740	719.8
July	620	31.3	930	51.8	1,150	150.4	1,280	218.5	2,770	647.1	1,730	687.2
August	840	42.6	790	44.2	1,180	153.9	1,290	219.4	2,700	623.9	1,520	597.8
September	700	36.6	860	49.6	1,300	175.0	1,360	238.7	2,220	529.5	1,550	629.2
October	860	43.5	890	49.7	1,600	208.2	1,340	227.4	2,670	615.6	1,610	631.9
November	600	31.3	910	52.4	1,450	194.8	1,220	213.8	2,400	571.4	2,040	826.5
December	820	41.4	960	53.5	1,340	174.1	1,540	260.9	2,900	667.5	2,010	787.6
<b>1982:</b>												
January	700	35.3	770	42.9	1,470	190.8	1,570	265.8	3,300	759.2	2,270	888.5
February	700	39.1	850	52.3	1,400	201.0	1,350	252.8	3,100	789.0	2,020	875.1
March	810	40.8	840	46.7	1,370	177.6	1,420	240.0	2,800	643.3	2,120	828.7
April	730	38.0	750	43.0	1,270	170.0	1,290	225.2	2,610	619.0	1,870	754.9
May	660	33.2	860	47.7	1,250	161.8	1,620	273.5	2,700	619.3	1,700	663.4
June	780	40.5	750	43.0	1,100	147.0	1,110	193.4	2,580	610.9	1,630	656.9
July	620	31.3	780	43.4	1,160	149.5	1,360	228.5	2,620	593.8	2,000	772.1
August	580	29.4	810	45.1	1,140	146.1	1,120	186.4	2,530	571.1	1,740	666.5
September	750	39.2	650	37.4	1,080	142.9	1,350	231.9	2,700	629.2	1,840	727.5
October	680	34.4	780	43.4	1,440	184.2	1,430	237.5	2,830	637.6	1,670	638.4
November	730	38.1	750	43.0	1,100	145.3	1,300	222.9	2,450	569.9	1,890	745.9
December	820	41.4	930	51.6	1,310	167.3	1,480	245.4	2,770	623.1	2,140	816.7
<b>1983:</b>												
January	700	35.3	950	52.7	1,370	174.8	1,580	261.8	3,180	714.8	2,330	888.7
February	840	46.9	950	58.3	1,300	183.6	1,310	240.1	2,960	736.1	1,870	789.1
March	760	38.3	700	38.8	1,300	165.7	1,380	228.3	2,970	666.7	2,250	856.8
April	700	36.4	780	44.6	1,290	169.8	1,280	218.7	2,810	651.2	1,920	755.0
May	550	27.6	750	41.5	1,350	171.8	1,190	196.6	2,660	596.2	2,070	787.0
June	760	39.4	890	50.8	1,110	145.9	1,130	192.7	2,310	534.5	1,840	722.4
July	790	39.8	680	37.6	1,200	151.8	1,290	211.0	2,610	582.2	1,950	734.9
August	710	35.9	530	29.4	1,040	131.4	1,440	234.5	2,440	540.2	1,670	624.4
September	800	41.8	830	47.5	1,050	137.0	970	163.1	2,630	601.1	1,860	718.0
October	540	27.3	760	42.0	1,120	141.3	1,210	196.7	2,500	552.5	1,920	716.5
November	610	31.8	710	40.6	1,290	168.0	1,180	198.0	2,490	568.2	1,710	659.0
December	820	41.3	720	39.8	1,270	160.0	1,540	249.9	2,630	580.3	1,990	741.7

See notes at end of table.

**Table 4. Estimated number of deaths and death rates for Cerebrovascular diseases, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	45–64 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
<b>1984:</b>												
January . . . . .	930	47.0	1,090	60.3	1,310	165.4	1,470	239.0	3,060	676.7	1,840	687.2
February . . . . .	760	41.0	850	50.3	1,090	147.0	1,470	255.4	2,840	670.7	2,140	853.6
March . . . . .	690	34.8	960	53.1	1,450	182.8	1,520	246.8	3,080	680.1	1,980	738.4
April . . . . .	700	36.5	800	45.7	1,200	156.2	1,770	296.8	2,710	617.9	1,950	750.9
May . . . . .	770	38.8	890	49.1	1,180	148.5	1,280	207.6	2,700	595.4	1,640	610.8
June . . . . .	660	34.3	840	47.9	1,170	152.1	1,230	205.9	2,710	616.9	1,740	669.0
July . . . . .	860	43.4	740	40.9	1,180	148.1	1,110	178.9	2,280	497.9	1,740	641.6
August . . . . .	600	30.3	750	41.5	1,000	125.2	1,150	184.2	2,650	574.2	1,710	624.3
September . . . . .	810	42.3	720	41.1	1,190	153.8	1,080	178.6	2,460	550.2	1,440	542.7
October . . . . .	640	32.3	710	39.2	1,260	157.4	1,180	188.6	2,700	583.8	1,610	586.7
November . . . . .	630	32.8	680	38.8	990	127.7	1,250	206.3	2,540	567.1	1,610	605.7
December . . . . .	610	30.7	830	45.7	1,450	180.9	1,380	220.3	3,020	652.1	1,850	672.9
<b>1985:</b>												
January . . . . .	610	30.6	1,000	54.9	1,200	149.2	1,630	259.3	2,990	643.4	2,270	823.1
February . . . . .	630	35.0	810	49.2	1,360	187.0	1,470	258.7	2,990	711.9	1,970	790.2
March . . . . .	690	34.6	710	38.9	1,180	146.5	1,250	198.6	2,740	588.9	2,000	724.1
April . . . . .	770	39.9	860	48.7	1,330	170.5	1,490	244.4	2,630	583.6	1,940	725.4
May . . . . .	600	30.0	790	43.3	1,190	147.5	1,220	193.5	2,180	467.8	1,790	647.1
June . . . . .	760	39.3	800	45.2	1,100	140.8	1,170	191.6	2,280	505.2	1,540	574.9
July . . . . .	570	28.6	810	44.4	1,050	129.7	1,110	174.9	2,560	544.5	1,690	604.6
August . . . . .	690	34.7	900	49.5	1,190	146.4	770	120.4	2,450	516.9	1,810	640.9
September . . . . .	660	34.3	740	42.0	1,110	141.0	1,170	188.9	2,490	542.2	1,460	533.8
October . . . . .	700	35.2	570	31.3	1,120	137.5	1,310	204.4	2,180	459.0	1,600	565.4
November . . . . .	700	36.3	610	34.6	1,170	148.3	1,090	175.6	2,480	539.1	1,680	612.9
December . . . . .	500	25.1	800	43.8	1,210	148.4	1,260	196.3	2,520	529.6	1,950	688.0
<b>1986:</b>												
January . . . . .	620	31.1	880	48.2	1,300	159.3	1,290	200.8	2,870	602.8	2,170	765.2
February . . . . .	580	32.1	670	40.6	1,290	174.8	1,110	191.2	2,960	687.8	1,700	663.1
March . . . . .	580	29.0	660	36.1	1,200	146.8	1,160	180.4	2,590	543.2	2,100	739.4
April . . . . .	580	30.0	770	43.5	1,340	169.3	1,230	197.5	2,390	517.7	1,710	621.6
May . . . . .	710	35.5	850	46.4	1,330	162.5	1,030	159.9	2,520	527.8	1,650	580.1
June . . . . .	420	21.7	730	41.1	1,100	138.7	1,050	168.3	2,470	534.1	1,810	657.0
July . . . . .	740	37.1	680	37.2	1,080	131.3	1,210	186.3	2,490	516.7	1,820	632.9
August . . . . .	560	28.1	560	30.6	1,150	139.2	1,010	154.4	2,360	485.9	1,460	502.2
September . . . . .	610	31.6	580	32.8	1,380	172.5	1,020	160.9	2,180	463.3	1,410	500.6
October . . . . .	740	37.0	700	38.2	1,180	142.6	940	143.4	2,300	472.6	1,770	607.6
November . . . . .	630	32.6	760	42.9	1,030	128.5	1,300	204.7	2,500	530.4	1,800	638.1
December . . . . .	640	32.0	610	33.3	1,140	137.6	1,230	187.4	2,450	502.7	1,720	589.6
<b>1987:</b>												
January . . . . .	700	35.0	940	51.2	1,400	168.8	1,190	181.1	3,130	641.8	1,610	551.5
February . . . . .	760	42.0	730	44.0	1,150	153.4	1,180	198.7	2,800	635.2	2,010	761.7
March . . . . .	820	40.9	760	41.4	1,220	146.9	1,170	177.9	2,600	532.4	1,810	619.3
April . . . . .	600	30.9	650	36.5	1,140	141.8	1,160	182.1	2,790	590.0	1,880	664.1
May . . . . .	560	27.9	630	34.2	1,040	125.1	990	150.3	2,420	494.9	1,640	560.3
June . . . . .	570	29.3	520	29.2	1,100	136.6	920	144.2	2,330	492.0	1,810	638.5
July . . . . .	650	32.4	880	47.8	1,110	132.8	1,130	170.0	2,390	484.2	1,580	533.2
August . . . . .	620	30.9	870	47.2	1,230	147.0	1,070	160.9	2,430	491.9	1,950	657.5
September . . . . .	540	27.8	570	31.9	1,010	124.6	960	149.0	2,470	516.3	1,660	577.9
October . . . . .	650	32.3	570	30.9	1,240	147.9	1,070	160.6	2,370	478.9	1,770	595.8
November . . . . .	630	32.3	720	40.3	1,210	149.0	1,210	187.5	2,420	504.9	1,630	566.5
December . . . . .	680	33.7	590	31.9	1,120	133.4	1,030	154.3	2,940	593.1	1,800	604.8
<b>1988:</b>												
January . . . . .	520	25.8	870	47.0	1,320	157.4	1,190	178.1	2,930	588.1	1,850	616.3
February . . . . .	530	28.1	900	51.9	1,320	168.1	1,230	196.6	2,500	535.5	2,110	749.9
March . . . . .	710	35.2	740	39.9	1,310	155.9	1,220	182.2	2,880	575.9	1,710	567.1
April . . . . .	760	38.9	770	42.8	1,130	138.9	1,140	175.8	2,310	476.6	1,720	588.9
May . . . . .	690	34.1	760	40.9	1,180	140.2	1,250	186.4	2,620	522.5	1,850	612.0
June . . . . .	580	29.6	640	35.5	1,080	132.5	1,120	172.3	2,340	481.1	1,870	637.6
July . . . . .	640	31.6	650	34.8	1,220	144.7	1,140	169.5	2,420	480.6	1,580	519.9
August . . . . .	490	24.1	700	37.5	1,010	119.7	920	136.6	2,240	444.3	1,750	575.0
September . . . . .	670	34.1	610	33.7	1,000	122.3	1,110	170.1	2,540	519.5	1,530	518.1
October . . . . .	720	35.4	650	34.7	1,140	134.8	1,080	159.9	2,550	503.7	1,780	581.2
November . . . . .	600	30.5	580	32.0	1,040	126.9	1,270	194.0	2,310	470.6	1,620	545.4
December . . . . .	670	32.9	690	36.8	1,270	149.8	950	140.2	2,690	529.1	1,880	610.6

See notes at end of table.

**Table 4. Estimated number of deaths and death rates for Cerebrovascular diseases, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	45–64 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
<b>1989:</b>												
January . . . . .	500	24.5	700	37.2	1,080	126.9	1,060	155.7	2,570	504.1	1,570	508.1
February . . . . .	630	34.1	710	41.7	1,180	153.4	1,320	214.4	2,460	533.4	1,640	586.8
March . . . . .	620	30.3	660	35.0	1,110	130.2	1,280	187.6	2,990	584.6	2,200	709.5
April . . . . .	700	35.3	670	36.7	1,090	132.0	1,310	198.1	2,560	516.4	1,930	642.1
May . . . . .	610	29.8	630	33.3	1,200	140.4	1,140	166.6	2,480	483.2	2,020	648.6
June . . . . .	590	29.7	660	36.0	1,040	125.6	1,110	167.3	2,270	456.1	1,710	566.3
July . . . . .	480	23.4	760	40.1	1,030	120.2	1,030	150.0	2,740	531.7	1,660	530.3
August . . . . .	670	32.6	780	41.1	970	113.1	970	141.1	2,340	453.6	1,540	491.1
September . . . . .	420	21.1	560	30.5	1,020	122.8	890	133.6	2,170	433.8	1,440	473.2
October . . . . .	500	24.3	700	36.9	990	115.2	1,130	163.8	2,450	473.1	1,760	558.1
November . . . . .	600	30.1	670	36.4	1,020	122.5	1,030	154.1	2,500	498.0	1,670	545.9
December . . . . .	690	33.5	700	36.8	1,310	152.1	1,240	179.3	2,920	561.9	1,770	558.3
<b>1990:</b>												
January . . . . .	500	24.2	750	39.3	1,150	133.3	1,450	209.0	3,050	585.5	2,150	675.2
February . . . . .	660	35.4	640	37.2	1,100	141.1	1,240	197.7	2,390	507.5	1,700	590.5
March . . . . .	500	24.2	680	35.6	1,360	157.4	1,070	153.9	2,860	547.9	2,030	636.2
April . . . . .	690	34.5	760	41.1	1,240	148.2	1,120	166.3	2,570	508.1	1,790	578.3
May . . . . .	580	28.0	680	35.6	990	114.4	1,280	183.7	2,330	445.0	1,560	486.7
June . . . . .	560	27.9	620	33.5	930	110.9	960	142.1	2,140	421.6	1,610	517.7
July . . . . .	540	26.1	630	32.9	950	109.5	1,080	154.5	2,170	412.9	1,770	549.3
August . . . . .	420	20.3	600	31.3	920	106.0	980	140.0	1,990	378.3	1,630	505.0
September . . . . .	520	25.9	620	33.4	1,270	151.0	1,150	169.6	1,880	368.6	1,490	475.6
October . . . . .	590	28.4	630	32.8	1,070	123.0	1,140	162.5	2,320	439.4	1,920	591.6
November . . . . .	530	26.4	680	36.5	800	94.9	1,010	148.6	2,390	467.0	1,740	552.6
December . . . . .	700	33.7	680	35.3	1,080	124.0	1,070	152.2	2,420	456.9	1,820	558.0

NOTES: Data in this table are for figures 19–24. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for May 1990, volume 39, number 5.

**Table 5. Estimated number of deaths and death rates for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January	720	27.8	680	27.0	4,960	251.2	6,480	361.8	3,860	528.6	5,900	1,056.9
February	730	31.2	590	25.9	5,290	296.4	5,580	344.6	4,060	615.1	5,710	1,131.6
March	880	33.9	660	26.1	5,160	260.9	5,860	326.6	4,110	562.0	5,840	1,044.4
April	680	27.1	510	20.8	4,820	251.6	5,910	340.0	3,980	561.9	5,420	1,000.6
May	750	28.9	540	21.3	4,810	242.8	5,490	305.4	3,810	520.0	5,110	912.3
June	710	28.2	700	28.6	4,440	231.3	5,570	319.9	3,780	532.7	5,580	1,028.3
July	870	33.1	640	25.0	4,970	251.4	5,550	309.6	3,880	525.7	5,920	1,048.5
August	720	27.0	640	24.7	4,970	252.3	6,120	342.6	4,430	597.3	5,550	977.2
September	860	33.3	670	26.6	4,540	237.9	5,210	301.0	3,960	551.1	5,870	1,066.7
October	680	25.5	630	24.2	5,720	289.7	5,940	331.7	4,490	604.0	6,120	1,075.2
November	600	23.2	560	22.2	5,170	270.3	6,330	364.9	4,220	586.1	5,770	1,046.4
December	800	29.9	600	23.0	5,280	266.9	5,800	323.3	4,260	572.0	5,970	1,046.8
<b>1980:</b>												
January	770	28.9	620	23.8	4,860	246.1	5,990	334.5	4,360	586.5	6,620	1,162.9
February	750	30.0	720	29.6	5,060	273.7	6,090	363.2	4,540	652.3	6,030	1,131.3
March	780	29.2	620	23.8	5,150	260.4	6,260	349.0	4,910	659.4	6,250	1,095.9
April	790	30.5	710	28.1	5,210	271.9	6,250	359.7	4,250	589.2	5,960	1,079.1
May	720	26.9	670	25.7	4,970	250.8	6,160	342.8	4,030	540.2	6,120	1,071.2
June	690	26.6	570	22.5	5,130	267.2	5,910	339.4	4,090	565.9	5,700	1,029.6
July	750	27.7	730	27.6	5,210	263.6	5,910	329.6	4,270	568.9	6,130	1,065.6
August	850	31.0	520	19.4	5,250	266.6	6,190	346.7	4,730	627.5	6,210	1,074.9
September	810	30.5	610	23.5	5,030	263.7	5,980	345.7	3,960	542.2	5,910	1,056.0
October	780	28.4	790	29.4	5,100	258.4	6,440	359.9	4,630	612.9	6,470	1,117.6
November	680	25.5	540	20.8	5,180	271.0	5,900	340.4	4,030	550.7	6,220	1,109.1
December	950	34.5	730	27.1	5,290	267.6	5,990	334.2	4,970	656.8	6,420	1,107.0
<b>1981:</b>												
January	960	34.7	920	34.1	5,060	255.1	6,920	384.7	4,640	611.0	5,930	1,019.0
February	790	31.6	670	27.5	5,370	299.5	6,220	382.6	4,320	629.5	6,520	1,239.5
March	740	26.7	640	23.7	5,350	269.3	6,760	375.3	4,610	606.3	6,400	1,098.1
April	800	29.8	710	27.1	5,200	270.3	6,280	360.0	4,600	624.6	6,010	1,064.8
May	750	27.0	860	31.8	4,730	237.7	5,860	324.8	4,640	609.2	6,340	1,086.1
June	860	32.0	650	24.8	5,060	262.5	6,400	366.3	4,640	629.0	5,960	1,054.3
July	910	32.5	790	28.8	5,170	260.9	6,150	342.5	4,530	592.5	6,200	1,058.3
August	830	29.2	680	24.5	5,400	273.6	6,060	338.8	4,580	597.2	6,160	1,047.5
September	860	31.3	620	23.0	5,500	287.7	6,160	355.5	4,650	625.8	6,090	1,069.0
October	840	29.5	750	27.0	5,180	261.9	6,360	354.8	4,320	562.1	6,680	1,133.6
November	680	24.7	640	23.7	5,050	263.6	6,270	361.2	4,000	537.4	5,640	988.2
December	810	28.4	700	25.1	4,910	247.9	5,630	313.6	4,680	608.0	5,800	982.7
<b>1982:</b>												
January	720	25.3	650	23.3	5,090	256.8	6,330	352.4	4,860	630.8	6,310	1,068.4
February	850	33.0	770	30.5	5,140	286.9	5,900	363.3	4,740	680.7	6,100	1,142.5
March	730	25.6	660	23.6	5,380	271.0	6,100	339.0	5,010	649.4	6,770	1,144.5
April	680	24.6	640	23.7	5,700	296.5	6,200	355.8	4,880	653.1	6,460	1,127.6
May	950	33.2	670	23.9	4,860	244.4	6,060	336.3	4,850	627.7	6,360	1,073.6
June	830	30.0	570	21.0	5,270	273.7	6,470	370.7	4,160	555.8	6,540	1,139.8
July	750	25.9	750	26.4	5,480	276.4	6,250	347.8	4,990	643.1	6,600	1,108.9
August	960	32.8	790	27.5	5,680	287.6	6,840	381.0	4,720	605.0	6,370	1,059.9
September	850	29.9	720	25.9	5,020	262.4	6,060	348.5	4,580	606.0	6,520	1,120.0
October	700	23.8	780	27.1	5,280	266.8	6,290	349.7	4,790	612.8	6,410	1,064.5
November	850	29.9	690	24.8	5,030	262.5	5,980	343.2	4,580	605.0	6,060	1,039.0
December	770	26.2	700	24.3	5,250	264.9	6,680	370.8	5,070	647.6	7,150	1,185.5
<b>1983:</b>												
January	960	32.6	850	29.5	5,300	267.2	6,510	361.1	4,820	615.2	6,690	1,108.5
February	730	27.4	750	28.8	5,240	292.3	6,190	379.8	4,460	629.8	6,800	1,246.6
March	930	31.6	720	25.0	5,350	269.4	6,060	335.7	4,660	593.9	6,510	1,077.1
April	790	27.7	630	22.5	5,150	267.7	6,170	352.9	4,670	614.6	6,430	1,098.4
May	980	33.2	680	23.5	5,230	262.9	5,680	314.1	4,780	608.3	6,230	1,029.2
June	830	29.0	640	22.9	5,060	262.6	6,140	350.6	4,460	586.1	6,250	1,066.0
July	760	25.4	670	22.9	5,170	260.8	6,300	348.6	5,310	671.8	7,090	1,159.7
August	1,000	33.1	660	22.3	5,190	262.5	6,150	340.9	4,770	602.9	6,370	1,037.4
September	910	31.1	710	24.8	5,370	280.4	6,150	352.0	5,300	691.6	6,420	1,079.3
October	680	22.5	750	25.3	5,270	266.1	6,370	352.5	5,040	635.8	6,840	1,111.7
November	950	32.4	670	23.3	5,230	272.6	5,980	341.7	4,670	608.3	6,470	1,085.8
December	790	26.1	820	27.6	5,500	277.3	6,370	352.0	4,970	626.1	6,530	1,059.7

See notes at end of table.

**Table 5. Estimated number of deaths and death rates for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	940	31.1	680	22.9	5,650	285.4	6,270	347.1	5,210	657.7	6,730	1,094.4
February . . . . .	800	28.3	690	24.9	5,180	279.5	6,150	363.7	4,590	619.0	6,780	1,177.8
March . . . . .	870	28.7	900	30.3	5,660	285.5	6,060	335.0	4,940	622.7	6,410	1,041.0
April . . . . .	700	23.9	660	23.0	5,270	274.5	6,110	348.8	4,910	639.2	6,410	1,074.9
May . . . . .	930	30.7	790	26.6	5,160	259.9	5,870	324.1	4,800	604.2	6,520	1,057.2
June . . . . .	790	26.9	700	24.3	5,360	278.8	6,070	346.0	5,090	661.6	6,470	1,083.4
July . . . . .	920	30.0	550	18.2	5,590	281.8	6,050	334.0	5,340	670.3	6,770	1,090.9
August . . . . .	850	27.5	730	24.0	5,520	279.1	5,930	328.0	4,960	620.9	6,310	1,010.7
September . . . . .	790	26.3	800	27.1	5,290	276.1	5,850	334.1	4,910	634.5	6,640	1,098.0
October . . . . .	900	29.0	680	22.3	5,070	255.8	6,450	356.2	5,350	668.4	6,950	1,111.1
November . . . . .	930	31.0	650	22.0	5,250	273.5	6,980	397.9	4,840	624.3	6,210	1,024.9
December . . . . .	950	30.6	730	23.9	5,720	288.2	7,110	392.0	4,980	621.2	7,140	1,139.6
<b>1985:</b>												
January . . . . .	860	27.6	830	27.1	5,950	298.8	6,690	367.6	5,380	668.8	7,020	1,116.7
February . . . . .	900	31.9	750	27.0	4,860	270.0	5,770	350.7	4,370	601.0	6,350	1,117.5
March . . . . .	910	29.2	800	26.0	5,460	273.8	5,890	323.2	5,420	672.9	6,670	1,059.7
April . . . . .	730	24.2	700	23.5	5,560	287.9	6,480	367.2	5,120	656.3	6,760	1,109.0
May . . . . .	640	20.5	870	28.3	5,320	266.4	5,930	324.9	5,070	628.5	6,480	1,027.8
June . . . . .	740	24.4	740	24.8	5,220	269.8	6,210	351.3	4,920	629.8	6,890	1,128.5
July . . . . .	1,000	31.7	950	30.5	5,600	281.0	6,270	344.0	5,580	689.4	6,890	1,085.7
August . . . . .	970	30.4	900	28.6	5,180	260.7	6,010	330.5	4,960	610.2	6,140	960.1
September . . . . .	850	27.5	790	26.0	5,300	275.3	5,750	326.4	5,110	649.0	7,350	1,186.5
October . . . . .	960	30.1	860	27.3	5,080	255.2	6,260	343.6	5,300	650.8	6,980	1,089.4
November . . . . .	860	27.8	690	22.6	5,590	289.9	5,910	334.9	5,020	636.5	6,680	1,076.3
December . . . . .	820	25.6	970	30.8	5,130	257.2	6,500	356.2	5,330	653.5	6,930	1,079.9
<b>1986:</b>												
January . . . . .	1,130	35.3	850	26.9	5,350	268.1	6,490	355.4	5,340	654.3	6,500	1,012.1
February . . . . .	830	28.7	740	25.9	5,160	286.0	5,930	359.2	5,370	727.8	6,690	1,152.3
March . . . . .	1,130	35.3	640	20.3	5,620	281.2	6,230	340.7	5,390	659.4	7,290	1,133.6
April . . . . .	970	31.2	610	19.9	5,010	258.8	6,210	350.6	5,070	640.5	6,830	1,096.4
May . . . . .	950	29.6	660	20.9	5,160	257.8	6,110	333.6	5,340	652.3	6,750	1,047.9
June . . . . .	940	30.2	790	25.8	4,960	255.9	6,040	340.5	5,030	634.4	7,190	1,152.5
July . . . . .	1,060	32.7	730	22.8	5,460	273.4	6,220	340.1	5,560	675.9	6,840	1,053.2
August . . . . .	880	26.9	790	24.5	5,220	261.9	5,730	313.6	5,130	621.2	6,690	1,022.4
September . . . . .	870	27.5	790	25.3	5,460	282.7	6,370	359.8	5,270	658.8	6,740	1,063.5
October . . . . .	750	22.9	770	23.8	5,530	276.9	6,110	333.7	5,690	687.7	7,030	1,072.5
November . . . . .	1,170	36.9	780	24.9	5,100	263.6	5,960	336.1	5,220	651.4	6,800	1,071.0
December . . . . .	950	29.0	830	25.6	5,360	268.0	6,150	335.4	4,730	570.8	7,150	1,089.1
<b>1987:</b>												
January . . . . .	1,050	32.0	680	21.0	5,460	272.8	6,150	335.2	5,400	651.2	7,490	1,140.1
February . . . . .	830	28.0	710	24.3	5,240	289.7	6,000	361.8	5,090	679.1	6,500	1,094.7
March . . . . .	900	27.4	800	24.7	5,360	267.4	6,050	329.3	5,490	661.3	6,770	1,029.3
April . . . . .	920	28.9	880	28.0	5,300	273.1	6,090	342.3	5,190	645.5	7,500	1,177.3
May . . . . .	880	26.8	680	20.9	5,710	284.5	6,080	330.5	5,520	664.0	6,960	1,056.7
June . . . . .	950	29.8	930	29.6	5,020	258.3	6,190	347.4	5,170	642.0	6,650	1,042.4
July . . . . .	800	24.1	910	27.8	5,260	262.2	6,820	370.5	5,960	712.9	7,410	1,115.1
August . . . . .	1,130	34.1	700	21.3	5,460	271.9	5,930	321.9	5,280	631.0	7,390	1,111.1
September . . . . .	830	25.8	760	23.9	4,910	252.5	5,820	326.1	5,130	632.9	6,920	1,074.2
October . . . . .	970	29.2	800	24.3	5,740	285.3	6,330	342.9	5,600	668.0	7,170	1,076.1
November . . . . .	990	30.7	780	24.5	5,020	257.7	5,850	327.2	5,280	650.3	6,820	1,056.7
December . . . . .	950	28.5	840	25.5	5,160	256.1	6,170	333.7	5,620	669.4	7,180	1,076.0
<b>1988:</b>												
January . . . . .	900	27.0	740	22.4	5,130	254.7	6,330	342.0	5,770	688.1	7,350	1,100.3
February . . . . .	940	30.1	650	21.1	5,330	282.6	6,320	364.5	5,340	680.1	6,920	1,106.2
March . . . . .	970	29.0	800	24.2	4,960	245.7	6,070	327.1	5,820	692.7	7,470	1,115.7
April . . . . .	970	30.0	780	24.4	5,270	269.5	6,000	333.7	5,220	641.7	7,010	1,081.0
May . . . . .	940	28.1	670	20.2	5,630	278.3	6,160	331.1	5,280	627.6	7,080	1,055.8
June . . . . .	930	28.6	760	23.7	4,940	252.1	6,290	348.9	5,060	620.9	6,800	1,046.3
July . . . . .	1,130	33.6	900	27.1	5,380	265.4	6,130	328.6	5,630	667.9	7,240	1,076.4
August . . . . .	1,000	29.7	740	22.2	5,100	251.4	6,430	344.3	5,180	613.9	7,330	1,088.6
September . . . . .	830	25.4	760	23.6	5,140	261.6	5,910	326.7	5,320	650.7	6,950	1,064.8
October . . . . .	840	24.9	680	20.4	4,930	242.6	6,840	365.6	5,790	684.5	7,060	1,045.0
November . . . . .	810	24.8	620	19.2	5,100	259.2	6,010	331.6	5,100	622.4	7,030	1,073.7
December . . . . .	1,030	30.4	930	27.8	5,540	272.2	6,180	329.7	5,740	677.1	7,220	1,065.4

See notes at end of table.



**Table 5. Estimated number of deaths and death rates for Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	1,080	31.8	700	20.8	5,080	248.6	6,130	325.5	5,920	695.6	7,150	1,050.3
February . . . . .	890	28.9	970	31.9	5,330	288.5	5,590	328.3	5,770	749.9	6,860	1,114.2
March . . . . .	1,070	31.4	1,060	31.4	5,700	278.5	6,150	326.0	5,630	660.3	7,330	1,074.2
April . . . . .	690	20.9	900	27.5	5,370	270.9	5,740	314.1	5,560	673.2	6,900	1,043.5
May . . . . .	970	28.4	800	23.6	5,420	264.4	6,480	342.8	5,790	677.6	7,180	1,049.1
June . . . . .	950	28.7	720	21.9	4,940	248.8	6,150	335.9	5,310	641.4	6,890	1,038.6
July . . . . .	1,050	30.6	720	21.2	5,320	259.1	6,590	347.9	5,690	664.2	7,860	1,144.9
August . . . . .	1,080	31.4	820	24.1	5,490	267.1	6,060	319.6	5,510	642.6	6,910	1,005.1
September . . . . .	1,190	35.7	790	24.0	5,070	254.8	5,860	319.1	5,350	644.1	6,860	1,029.6
October . . . . .	1,060	30.8	880	25.8	5,240	254.6	6,300	331.7	5,850	680.7	7,200	1,044.0
November . . . . .	1,190	35.7	820	24.8	4,760	238.8	5,690	309.3	5,160	619.8	7,080	1,059.5
December . . . . .	1,090	31.6	810	23.7	5,590	271.2	6,460	339.5	5,580	647.9	7,560	1,092.8
<b>1990:</b>												
January . . . . .	910	26.3	880	25.7	5,200	252.1	6,020	315.9	6,350	736.3	7,940	1,144.5
February . . . . .	860	27.5	780	25.2	4,880	261.8	5,420	314.7	5,790	742.7	6,570	1,047.6
March . . . . .	1,090	31.5	820	23.9	5,410	261.9	6,280	329.1	6,140	710.8	7,940	1,142.4
April . . . . .	850	25.3	860	25.9	5,360	267.9	5,910	319.7	5,330	637.0	7,160	1,063.1
May . . . . .	1,010	29.1	850	24.7	5,170	249.9	5,750	300.7	6,050	698.9	7,440	1,067.6
June . . . . .	1,010	30.0	800	24.0	5,330	266.0	5,670	306.1	5,480	653.5	6,970	1,032.0
July . . . . .	1,020	29.3	890	25.8	5,250	253.4	6,100	318.4	5,960	686.8	7,370	1,054.2
August . . . . .	1,060	30.4	910	26.3	5,190	250.3	6,480	338.0	5,860	674.9	7,540	1,077.5
September . . . . .	980	29.0	990	29.6	5,210	259.5	6,520	351.0	5,800	689.6	7,680	1,132.5
October . . . . .	1,000	28.6	870	25.1	5,510	265.3	6,250	325.3	6,030	693.3	7,690	1,096.2
November . . . . .	940	27.8	890	26.5	5,090	253.1	5,610	301.5	5,570	661.1	6,440	947.7
December . . . . .	870	24.8	890	25.6	5,360	257.7	5,490	285.2	5,950	682.9	7,400	1,052.7

NOTES: Data in this table are for figures 25–30. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for June 1990, volume 39, number 6.

**Table 6. Estimated number of deaths and death rates for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung; by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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 colon, rectum, rectosigmoid junction, and anus								Malignant neoplasm of breast, female		Malignant neoplasms of trachea, bronchus, and lung, female	
	45–64 years				65–74 years				45–64 years		45–64 years	
	Female		Male		Female		Male					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	460	23.3	720	40.2	480	65.7	600	107.5	1,340	67.9	980	49.6
February . . . . .	580	32.5	470	29.0	590	89.4	760	150.6	1,070	59.9	1,190	66.7
March . . . . .	570	28.8	480	26.8	640	87.5	680	121.6	1,310	66.2	950	48.0
April . . . . .	530	27.7	580	33.4	670	94.6	680	125.5	1,190	62.1	900	47.0
May . . . . .	380	19.2	520	28.9	650	88.7	480	85.7	1,140	57.5	1,110	56.0
June . . . . .	350	18.2	580	33.3	540	76.1	660	121.6	1,260	65.7	850	44.3
July . . . . .	480	24.3	570	31.8	570	77.2	790	139.9	1,230	62.2	960	48.6
August . . . . .	380	19.3	670	37.5	750	101.1	540	95.1	1,150	58.4	1,050	53.3
September . . . . .	490	25.7	560	32.4	620	86.3	680	123.6	1,050	55.0	860	45.1
October . . . . .	590	29.9	520	29.0	760	102.2	820	144.1	1,360	68.9	1,040	52.7
November . . . . .	450	23.5	500	28.8	850	118.1	740	134.2	1,250	65.4	950	49.7
December . . . . .	480	24.3	560	31.2	620	83.3	610	107.0	1,210	61.2	1,120	56.6
<b>1980:</b>												
January . . . . .	620	31.4	710	39.6	530	71.3	650	114.2	1,140	57.7	940	47.6
February . . . . .	510	27.6	640	36.2	770	110.6	710	133.2	1,000	54.1	1,040	56.3
March . . . . .	510	25.8	700	39.0	740	99.4	740	129.8	1,160	58.6	1,080	54.6
April . . . . .	560	29.2	560	32.2	530	73.5	610	110.4	1,260	65.8	1,140	59.5
May . . . . .	400	20.2	560	31.2	480	64.3	600	105.0	1,120	56.5	1,160	58.5
June . . . . .	490	25.5	500	28.7	590	81.6	590	106.6	1,270	66.1	910	47.4
July . . . . .	530	26.8	570	31.8	540	71.9	620	107.8	1,240	62.7	1,040	52.6
August . . . . .	560	28.4	540	30.2	860	114.1	660	114.2	1,230	62.5	960	48.7
September . . . . .	530	27.8	530	30.6	670	91.7	620	110.8	1,250	65.5	880	46.1
October . . . . .	570	28.9	690	38.6	630	83.4	790	136.5	1,230	62.3	1,000	50.7
November . . . . .	490	25.6	540	31.1	570	77.9	780	139.1	1,310	68.5	1,030	53.9
December . . . . .	410	20.7	470	26.2	790	104.4	620	106.9	1,430	72.3	920	46.5
<b>1981:</b>												
January . . . . .	570	28.7	550	30.6	640	84.3	650	111.7	1,290	65.0	970	48.9
February . . . . .	460	25.7	560	34.4	590	86.0	510	96.9	1,230	68.6	1,080	60.2
March . . . . .	390	19.6	620	34.4	710	93.4	950	163.0	1,180	59.4	1,340	67.5
April . . . . .	480	24.9	420	24.1	640	86.9	670	118.7	1,100	57.2	1,220	63.4
May . . . . .	570	28.6	490	27.2	470	61.7	770	131.9	1,200	60.3	1,020	51.3
June . . . . .	460	23.9	660	37.8	610	82.7	670	118.5	1,320	68.5	1,010	52.4
July . . . . .	590	29.8	560	31.2	700	91.6	840	143.4	1,070	54.0	1,040	52.5
August . . . . .	570	28.9	570	31.9	720	93.9	750	127.5	1,180	59.8	1,070	54.2
September . . . . .	640	33.5	560	32.3	670	90.2	690	121.1	1,160	60.7	1,070	56.0
October . . . . .	500	25.3	620	34.6	620	80.7	870	147.6	1,220	61.7	1,170	59.2
November . . . . .	420	21.9	560	32.3	570	76.6	600	105.1	1,260	65.8	1,070	55.9
December . . . . .	440	22.2	400	22.3	600	77.9	740	125.4	1,330	67.1	820	41.4
<b>1982:</b>												
January . . . . .	530	26.7	700	39.0	670	87.0	720	121.9	1,190	60.0	1,110	56.0
February . . . . .	510	28.5	520	32.0	620	89.0	680	127.4	1,320	73.7	1,000	55.8
March . . . . .	510	25.7	560	31.1	670	86.8	890	150.5	1,260	63.5	1,170	58.9
April . . . . .	610	31.7	660	37.9	600	80.3	770	134.4	1,340	69.7	1,240	64.5
May . . . . .	510	25.6	460	25.5	610	78.9	740	124.9	1,170	58.8	1,010	50.8
June . . . . .	390	20.2	560	32.1	550	73.5	630	109.8	1,220	63.3	1,220	63.3
July . . . . .	510	25.7	530	29.5	770	99.2	890	149.5	1,260	63.5	1,080	54.5
August . . . . .	610	30.9	640	35.6	680	87.2	800	133.1	1,360	68.9	1,180	59.7
September . . . . .	530	27.7	590	33.9	570	75.4	720	123.7	1,000	52.3	1,110	58.0
October . . . . .	560	28.3	560	31.1	620	79.3	660	109.6	1,110	56.1	1,200	60.6
November . . . . .	390	20.3	650	37.3	480	63.4	680	116.6	1,040	54.3	1,300	67.8
December . . . . .	530	26.7	650	36.1	570	72.8	780	129.3	1,380	69.6	1,210	61.0
<b>1983:</b>												
January . . . . .	430	21.7	720	39.9	670	85.5	750	124.3	1,190	60.0	1,140	57.5
February . . . . .	560	31.2	540	33.1	550	77.7	660	121.0	1,040	58.0	1,180	65.8
March . . . . .	490	24.7	550	30.5	750	95.6	720	119.1	1,190	59.9	1,390	70.0
April . . . . .	490	25.5	620	35.5	510	67.1	750	128.1	1,360	70.7	1,040	54.1
May . . . . .	450	22.6	540	29.9	550	70.0	550	90.9	1,310	65.9	1,180	59.3
June . . . . .	550	28.5	650	37.1	540	71.0	730	124.5	1,160	60.2	1,130	58.6
July . . . . .	620	31.3	490	27.1	730	92.4	790	129.2	1,330	67.1	950	47.9
August . . . . .	560	28.3	700	38.8	780	98.6	810	131.9	1,230	62.2	1,150	58.2
September . . . . .	420	21.9	580	33.2	670	87.4	770	129.4	1,200	62.7	1,140	59.5
October . . . . .	400	20.2	620	34.3	660	83.3	770	125.1	1,210	61.1	1,200	60.6
November . . . . .	550	28.7	420	24.0	590	76.8	630	105.7	1,360	70.9	1,080	56.3
December . . . . .	480	24.2	580	32.0	760	95.7	710	115.2	1,220	61.5	1,340	67.5

See notes at end of table.

**Table 6. Estimated number of deaths and death rates for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung; by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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 colon, rectum, rectosigmoid junction, and anus								Malignant neoplasm of breast, female		Malignant neoplasms of trachea, bronchus, and lung, female	
	45–64 years				65–74 years				45–64 years		45–64 years	
	Female		Male		Female		Male					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	500	25.3	530	29.3	690	87.1	820	133.3	1,400	70.7	1,200	60.6
February . . . . .	440	23.7	470	27.8	610	82.2	800	139.0	1,110	59.9	1,240	66.9
March . . . . .	460	23.2	570	31.5	590	74.4	770	125.0	1,380	69.6	1,390	70.1
April . . . . .	520	27.1	580	33.1	740	96.3	950	159.3	1,260	65.6	1,210	63.0
May . . . . .	510	25.7	630	34.8	630	79.3	650	105.4	1,100	55.4	1,220	61.5
June . . . . .	530	27.6	620	35.3	660	85.8	760	127.2	1,290	67.1	1,310	68.1
July . . . . .	660	33.3	710	39.2	680	85.3	770	124.1	1,250	63.0	1,280	64.5
August . . . . .	420	21.2	600	33.2	570	71.3	840	134.5	1,440	72.8	1,310	66.2
September . . . . .	410	21.4	710	40.5	560	72.4	770	127.3	1,250	65.2	920	48.0
October . . . . .	390	19.7	670	37.0	540	67.5	820	131.1	1,150	58.0	1,160	58.5
November . . . . .	550	28.6	690	39.3	680	87.7	700	115.5	1,200	62.5	1,120	58.3
December . . . . .	520	26.2	590	32.5	610	76.1	680	108.5	1,330	67.0	1,280	64.5
<b>1985:</b>												
January . . . . .	580	29.1	610	33.5	820	101.9	710	112.9	1,400	70.3	1,290	64.8
February . . . . .	390	21.7	550	33.4	590	81.1	620	109.1	1,290	71.7	1,170	65.0
March . . . . .	610	30.6	690	37.9	570	70.8	640	101.7	1,280	64.2	1,290	64.7
April . . . . .	500	25.9	610	34.6	740	94.9	850	139.4	1,240	64.2	1,270	65.7
May . . . . .	600	30.0	610	33.4	660	81.8	700	111.0	1,340	67.1	1,190	59.6
June . . . . .	440	22.7	550	31.1	570	73.0	940	154.0	1,110	57.4	1,280	66.2
July . . . . .	450	22.6	610	33.5	710	87.7	660	104.0	1,550	77.8	1,330	66.7
August . . . . .	660	33.2	590	32.4	700	86.1	720	112.6	1,110	55.9	1,120	56.4
September . . . . .	560	29.1	510	28.9	590	74.9	870	140.4	1,330	69.1	1,150	59.7
October . . . . .	420	21.1	440	24.1	670	82.3	840	131.1	1,260	63.3	1,320	66.3
November . . . . .	450	23.3	600	34.0	590	74.8	710	114.4	1,300	67.4	1,330	69.0
December . . . . .	370	18.5	600	32.9	550	67.4	780	121.5	1,370	68.7	1,160	58.2
<b>1986:</b>												
January . . . . .	460	23.0	720	39.4	850	104.1	870	135.5	1,200	60.1	1,510	75.7
February . . . . .	380	21.1	630	38.2	580	78.6	720	124.0	1,260	69.8	1,200	66.5
March . . . . .	490	24.5	480	26.2	590	72.2	810	125.9	1,240	62.0	1,330	66.5
April . . . . .	500	25.8	540	30.5	620	78.3	740	118.8	1,150	59.4	1,160	59.9
May . . . . .	510	25.5	620	33.8	680	83.1	670	104.0	1,210	60.4	1,230	61.4
June . . . . .	430	22.2	680	38.3	700	88.3	760	121.8	1,030	53.1	1,300	67.1
July . . . . .	490	24.5	620	33.9	620	75.4	800	123.2	1,490	74.6	1,110	55.6
August . . . . .	480	24.1	540	29.5	640	77.5	790	120.7	1,220	61.2	1,310	65.7
September . . . . .	440	22.8	520	29.4	590	73.7	810	127.8	1,350	69.9	1,210	62.7
October . . . . .	420	21.0	620	33.9	570	68.9	880	134.2	1,140	57.1	1,420	71.1
November . . . . .	510	26.4	500	28.2	670	83.6	760	119.7	1,270	65.7	1,310	67.7
December . . . . .	450	22.5	590	32.2	600	72.4	630	96.0	1,400	70.0	1,200	60.0
<b>1987:</b>												
January . . . . .	510	25.5	600	32.7	610	73.6	760	115.7	1,300	64.9	1,310	65.4
February . . . . .	490	27.1	600	36.2	600	80.1	740	124.6	1,250	69.1	1,270	70.2
March . . . . .	590	29.4	590	32.1	720	86.7	710	107.9	1,250	62.4	1,210	60.4
April . . . . .	420	21.6	490	27.5	550	68.4	710	111.4	1,080	55.6	1,340	69.0
May . . . . .	420	20.9	530	28.8	610	73.4	680	103.2	1,500	74.7	1,300	64.8
June . . . . .	550	28.3	690	38.7	600	74.5	730	114.4	1,160	59.7	1,310	67.4
July . . . . .	540	26.9	650	35.3	690	82.5	880	132.4	1,260	62.8	1,350	67.3
August . . . . .	490	24.4	640	34.7	620	74.1	680	102.2	1,330	66.2	1,320	65.7
September . . . . .	480	24.7	570	31.9	630	77.7	610	94.7	980	50.4	1,270	65.3
October . . . . .	580	28.8	650	35.2	580	69.2	810	121.6	1,320	65.6	1,420	70.6
November . . . . .	430	22.1	510	28.5	580	71.4	730	113.1	1,140	58.5	1,140	58.5
December . . . . .	380	18.9	550	29.7	590	70.3	710	106.4	1,270	63.0	1,190	59.1
<b>1988:</b>												
January . . . . .	420	20.9	570	30.8	740	88.2	800	119.8	1,300	64.5	1,190	59.1
February . . . . .	530	28.1	480	27.7	620	79.0	660	105.5	1,200	63.6	1,320	70.0
March . . . . .	500	24.8	520	28.0	660	78.5	770	115.0	1,270	62.9	1,110	55.0
April . . . . .	430	22.0	590	32.8	710	87.3	730	112.6	1,370	70.1	1,390	71.1
May . . . . .	560	27.7	420	22.6	500	59.4	910	135.7	1,120	55.4	1,400	69.2
June . . . . .	290	14.8	570	31.6	700	85.9	780	120.0	1,250	63.8	1,310	66.8
July . . . . .	450	22.2	460	24.7	630	74.7	670	99.6	1,460	72.0	1,230	60.7
August . . . . .	460	22.7	470	25.2	570	67.5	780	115.8	1,150	56.7	1,150	56.7
September . . . . .	440	22.4	600	33.2	600	73.4	650	99.6	1,180	60.0	1,290	65.6
October . . . . .	390	19.2	760	40.6	690	81.6	770	114.0	1,220	60.0	1,140	56.1
November . . . . .	400	20.3	530	29.2	730	89.1	610	93.2	1,240	63.0	1,390	70.6
December . . . . .	530	26.0	580	30.9	730	86.1	690	101.8	1,230	60.4	1,450	71.2

See notes at end of table.

**Table 6. Estimated number of deaths and death rates for Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung; by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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 colon, rectum, rectosigmoid junction, and anus								Malignant neoplasm of breast, female		Malignant neoplasms of trachea, bronchus, and lung, female	
	45–64 years				65–74 years				45–64 years		45–64 years	
	Female		Male		Female		Male					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	450	22.0	620	32.9	820	96.3	850	124.9	1,130	55.3	1,450	70.9
February . . . . .	390	21.1	500	29.4	670	87.1	780	126.7	1,350	73.1	1,360	73.6
March . . . . .	590	28.8	710	37.6	640	75.1	770	112.8	1,330	65.0	1,490	72.8
April . . . . .	370	18.7	510	27.9	650	78.7	860	130.0	1,460	73.6	1,400	70.6
May . . . . .	350	17.1	540	28.6	860	100.6	660	96.4	1,240	60.5	1,340	65.4
June . . . . .	400	20.1	560	30.6	540	65.2	690	104.0	1,360	68.5	1,250	63.0
July . . . . .	410	20.0	650	34.3	480	56.0	780	113.4	1,480	72.1	1,350	65.7
August . . . . .	260	12.6	550	29.0	570	66.5	750	109.1	1,340	65.2	1,530	74.4
September . . . . .	470	23.6	460	25.0	740	89.1	740	111.1	950	47.7	1,330	66.8
October . . . . .	430	20.9	580	30.5	710	82.6	900	130.5	1,390	67.5	1,250	60.7
November . . . . .	440	22.1	490	26.6	610	73.3	850	127.2	1,110	55.7	1,170	58.7
December . . . . .	480	23.3	670	35.2	570	66.2	750	108.4	1,230	59.7	1,340	65.0
<b>1990:</b>												
January . . . . .	490	23.7	610	32.0	810	93.9	880	126.8	1,380	66.9	1,220	59.1
February . . . . .	410	22.0	470	27.3	760	97.5	560	89.3	1,430	76.7	1,170	62.8
March . . . . .	480	23.2	670	35.1	570	66.0	830	119.4	1,240	60.0	1,450	70.2
April . . . . .	510	25.5	520	28.1	450	53.8	700	103.9	1,110	55.5	1,500	75.0
May . . . . .	360	17.4	610	31.9	500	57.8	800	114.8	1,350	65.3	1,360	65.7
June . . . . .	450	22.5	380	20.5	720	85.8	690	102.2	1,370	68.4	1,410	70.4
July . . . . .	580	28.0	570	29.8	800	92.2	760	108.7	1,210	58.4	1,270	61.3
August . . . . .	330	15.9	460	24.0	590	67.9	650	92.9	1,100	53.0	1,410	68.0
September . . . . .	410	20.4	720	38.8	590	70.1	810	119.4	1,240	61.7	1,290	64.2
October . . . . .	390	18.8	510	26.5	720	82.8	730	104.0	1,350	65.0	1,300	62.6
November . . . . .	350	17.4	520	27.9	620	73.6	710	104.5	1,240	61.7	1,350	67.1
December . . . . .	510	24.5	480	24.9	710	81.5	840	119.5	1,260	60.6	1,410	67.8

NOTES: Data in this table are for figures 31–36. These figures were published in the *Monthly Vital Statistics Report on births, marriages, divorces, and deaths for July 1990*, volume 39, number 7.

**Table 7. Estimated number of deaths and death rates for Diabetes mellitus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung; by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	Diabetes mellitus								Malignant neoplasm of breast, female		Malignant neoplasms of trachea, bronchus, and lung, female	
	45–64 years				65–74 years				65–74 years		65–74 years	
	Female		Male		Female		Male		Number	Rate	Number	Rate
	Number	Rate	Number	Rate	Number	Rate	Number	Rate				
1979:												
January	360	18.2	320	17.9	390	53.4	370	66.3	680	93.1	590	80.8
February	290	16.2	330	20.4	500	75.8	370	73.3	780	118.2	520	78.8
March	310	15.7	380	21.2	370	50.6	350	62.6	810	110.8	610	83.4
April	250	13.0	310	17.8	340	48.0	300	55.4	740	104.5	580	81.9
May	370	18.7	390	21.7	380	51.9	280	50.0	590	80.5	460	62.8
June	280	14.6	230	13.2	410	57.8	350	64.5	640	90.2	450	63.4
July	340	17.2	220	12.3	400	54.2	380	67.3	720	97.5	520	70.4
August	190	9.6	270	15.1	340	45.8	200	35.2	740	99.8	720	97.1
September	310	16.2	230	13.3	520	72.4	260	47.2	710	98.8	610	84.9
October	310	15.7	230	12.8	380	51.1	390	68.5	820	110.3	690	92.8
November	280	14.6	270	15.6	440	61.1	270	49.0	660	91.7	700	97.2
December	340	17.2	230	12.8	590	79.2	290	50.8	700	94.0	650	87.3
1980:												
January	320	16.2	260	14.5	520	69.9	390	68.5	840	113.0	850	114.3
February	360	19.5	350	20.9	550	79.0	400	75.0	620	89.1	700	100.6
March	260	13.1	360	20.1	390	52.4	360	63.1	820	110.1	860	115.5
April	290	15.1	350	20.1	480	66.5	320	57.9	750	104.0	730	101.2
May	400	20.2	260	14.5	450	60.3	400	70.0	670	89.8	730	97.8
June	300	15.6	270	15.5	320	44.3	340	61.4	590	81.6	660	91.3
July	340	17.2	210	11.7	490	65.3	380	66.0	720	95.9	690	91.9
August	320	16.2	320	17.9	420	55.7	280	48.5	750	99.5	920	122.0
September	310	16.2	310	17.9	440	60.2	300	53.6	600	82.2	660	90.4
October	360	18.2	390	21.8	470	62.2	350	60.4	710	94.0	710	94.0
November	290	15.2	330	19.0	450	61.5	440	78.4	680	92.9	770	105.2
December	420	21.2	360	20.1	370	48.9	400	69.0	780	103.1	730	96.5
1981:												
January	420	21.2	370	20.6	540	71.1	350	60.1	790	104.0	840	110.6
February	520	29.0	270	16.6	480	69.9	360	68.4	800	116.6	670	97.6
March	290	14.6	350	19.4	390	51.3	360	61.8	880	115.7	580	76.3
April	300	15.6	350	20.1	440	59.7	390	69.1	650	88.2	870	118.1
May	400	20.1	260	14.4	460	60.4	390	66.8	850	111.6	940	123.4
June	290	15.0	290	16.6	590	80.0	330	58.4	840	113.9	810	109.8
July	330	16.6	290	16.1	370	48.4	380	64.9	720	94.2	820	107.3
August	310	15.7	220	12.3	520	67.8	340	57.8	700	91.3	830	108.2
September	300	15.7	300	17.3	420	56.5	240	42.1	950	127.8	800	107.7
October	390	19.7	440	24.5	570	74.2	350	59.4	840	109.3	700	91.1
November	380	19.8	360	20.7	390	52.4	360	63.1	680	91.3	860	115.5
December	340	17.2	440	24.5	520	67.5	490	83.0	940	122.1	770	100.0
1982:												
January	280	14.1	280	15.6	400	51.9	320	54.2	810	105.1	740	96.0
February	360	20.1	340	20.9	520	74.7	350	65.5	740	106.3	960	137.9
March	320	16.1	260	14.4	500	64.8	300	50.7	870	112.8	900	116.6
April	260	13.5	360	20.7	450	60.2	280	48.9	880	117.8	880	117.8
May	340	17.1	270	15.0	550	71.2	280	47.3	790	102.2	1,020	132.0
June	330	17.1	200	11.4	360	48.1	310	54.0	690	92.2	740	98.9
July	290	14.6	410	22.8	410	52.8	330	55.4	790	101.8	870	112.1
August	430	21.8	300	16.7	330	42.3	290	48.3	720	92.3	890	114.1
September	330	17.2	310	17.8	290	38.4	320	55.0	880	116.4	810	107.2
October	340	17.2	260	14.4	490	62.7	280	46.5	840	107.5	890	113.9
November	290	15.1	300	17.2	440	58.1	330	56.6	830	109.6	790	104.4
December	400	20.2	290	16.1	470	60.0	430	71.3	900	115.0	1,120	143.1
1983:												
January	350	17.6	440	24.4	510	65.1	350	58.0	790	100.8	1,020	130.2
February	310	17.3	310	19.0	530	74.8	360	66.0	700	98.8	870	122.8
March	350	17.6	280	15.5	570	72.6	380	62.9	810	103.2	800	102.0
April	330	17.2	390	22.3	680	89.5	390	66.6	820	107.9	980	129.0
May	380	19.1	270	14.9	540	68.7	290	47.9	870	110.7	910	115.8
June	310	16.1	290	16.6	540	71.0	340	58.0	690	90.7	1,000	131.4
July	240	12.1	270	14.9	470	59.5	370	60.5	860	108.8	1,150	145.5
August	230	11.6	270	15.0	430	54.3	310	50.5	790	99.8	1,000	126.4
September	330	17.2	330	18.9	460	60.0	340	57.2	940	122.7	1,010	131.8
October	330	16.7	320	17.7	590	74.4	340	55.3	960	121.1	970	122.4
November	280	14.6	270	15.4	420	54.7	430	72.2	1,010	131.6	850	110.7
December	340	17.1	290	16.0	490	61.7	420	68.2	730	92.0	870	109.6

See notes at end of table.

**Table 7. Estimated number of deaths and death rates for Diabetes mellitus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung; by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	Diabetes mellitus								Malignant neoplasm of breast, female		Malignant neoplasms of trachea, bronchus, and lung, female	
	45–64 years				65–74 years				65–74 years		65–74 years	
	Female		Male		Female		Male					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	350	17.7	320	17.7	550	69.4	390	63.4	860	108.5	1,210	152.7
February . . . . .	390	21.0	340	20.1	470	63.4	320	55.6	710	95.7	1,110	149.7
March . . . . .	430	21.7	370	20.4	490	61.8	450	73.1	910	114.7	1,070	134.9
April . . . . .	370	19.3	270	15.4	560	72.9	360	60.4	760	98.9	970	126.3
May . . . . .	320	16.1	280	15.5	510	64.2	320	51.9	800	100.7	1,080	136.0
June . . . . .	330	17.2	360	20.5	480	62.4	420	70.3	950	123.5	940	122.2
July . . . . .	240	12.1	260	14.3	420	52.7	320	51.6	930	116.7	1,190	149.4
August . . . . .	290	14.7	390	21.6	450	56.3	280	44.8	690	86.4	1,170	146.4
September . . . . .	300	15.7	400	22.8	380	49.1	290	47.9	740	95.6	990	127.9
October . . . . .	300	15.1	310	17.1	540	67.5	360	57.5	1,030	128.7	1,300	162.4
November . . . . .	380	19.8	230	13.1	420	54.2	370	61.1	870	112.2	790	101.9
December . . . . .	400	20.1	340	18.7	440	54.9	420	67.0	720	89.8	1,150	143.4
<b>1985:</b>												
January . . . . .	370	18.6	320	17.6	620	77.1	380	60.4	930	115.6	980	121.8
February . . . . .	450	25.0	290	17.6	500	68.8	430	75.7	830	114.2	960	132.0
March . . . . .	340	17.0	300	16.5	660	81.9	460	73.1	830	103.0	1,250	155.2
April . . . . .	330	17.1	290	16.4	480	61.5	460	75.5	990	126.9	1,010	129.5
May . . . . .	450	22.5	140	7.7	410	50.8	430	68.2	760	94.2	1,150	142.6
June . . . . .	240	12.4	300	17.0	500	64.0	360	59.0	800	102.4	1,120	143.4
July . . . . .	460	23.1	250	13.7	450	55.6	400	63.0	800	98.8	1,120	138.4
August . . . . .	290	14.6	430	23.6	500	61.5	260	40.6	830	102.1	1,110	136.6
September . . . . .	360	18.7	310	17.6	330	41.9	220	35.5	910	115.6	1,210	153.7
October . . . . .	270	13.6	250	13.7	490	60.2	340	53.1	960	117.9	1,030	126.5
November . . . . .	310	16.1	300	17.0	440	55.8	450	72.5	810	102.7	1,120	142.0
December . . . . .	470	23.6	300	16.4	560	68.7	440	68.6	1,020	125.1	1,180	144.7
<b>1986:</b>												
January . . . . .	350	17.5	420	23.0	600	73.5	520	81.0	850	104.1	1,140	139.7
February . . . . .	260	14.4	350	21.2	630	85.4	290	49.9	890	120.6	1,140	154.5
March . . . . .	280	14.0	290	15.8	710	86.9	320	49.8	930	113.8	1,310	160.3
April . . . . .	340	17.6	340	19.2	340	42.9	340	54.6	970	122.5	980	123.8
May . . . . .	390	19.5	220	12.0	420	51.3	290	45.0	970	118.5	1,300	158.8
June . . . . .	270	13.9	250	14.1	440	55.5	240	38.5	800	100.9	1,100	138.7
July . . . . .	350	17.5	290	15.8	420	51.1	430	66.2	940	114.3	1,080	131.3
August . . . . .	300	15.0	240	13.1	340	41.2	290	44.3	810	98.1	1,210	146.5
September . . . . .	320	16.6	400	22.6	370	46.2	270	42.6	920	115.0	1,080	135.0
October . . . . .	310	15.5	530	28.9	520	62.8	330	50.3	940	113.6	1,280	154.7
November . . . . .	360	18.6	320	18.0	450	56.1	400	63.0	900	112.3	1,120	139.8
December . . . . .	290	14.5	260	14.2	470	56.7	360	54.8	830	100.2	1,160	140.0
<b>1987:</b>												
January . . . . .	410	20.5	440	24.0	470	56.7	290	44.1	960	115.8	1,140	137.5
February . . . . .	330	18.2	330	19.9	510	68.0	270	45.5	860	114.7	1,060	141.4
March . . . . .	410	20.5	370	20.1	550	66.2	420	63.9	780	93.9	1,270	153.0
April . . . . .	430	22.2	400	22.5	490	60.9	450	70.6	930	115.7	1,270	157.9
May . . . . .	310	15.4	220	12.0	410	49.3	370	56.2	1,010	121.5	1,330	160.0
June . . . . .	250	12.9	260	14.6	410	50.9	320	50.2	770	95.6	1,220	151.5
July . . . . .	340	16.9	350	19.0	480	57.4	460	69.2	960	114.8	1,610	192.6
August . . . . .	390	19.4	300	16.3	490	58.6	380	57.1	900	107.6	1,140	136.2
September . . . . .	330	17.0	300	16.8	440	54.3	440	68.3	800	98.7	1,130	139.4
October . . . . .	330	16.4	330	17.9	550	65.6	400	60.0	880	105.0	1,460	174.2
November . . . . .	240	12.3	380	21.2	530	65.3	480	74.4	890	109.6	1,350	166.3
December . . . . .	270	13.4	390	21.1	550	65.5	460	68.9	910	108.4	1,330	158.4
<b>1988:</b>												
January . . . . .	460	22.8	330	17.8	500	59.6	460	68.9	960	114.5	1,240	147.9
February . . . . .	390	20.7	280	16.1	600	76.4	510	81.5	890	113.3	1,320	168.1
March . . . . .	370	18.3	440	23.7	590	70.2	570	85.1	1,150	136.9	1,690	201.2
April . . . . .	350	17.9	350	19.5	490	60.2	420	64.8	960	118.0	1,210	148.7
May . . . . .	410	20.3	260	14.0	410	48.7	500	74.6	870	103.4	1,220	145.0
June . . . . .	310	15.8	350	19.4	510	62.6	430	66.2	730	89.6	1,250	153.4
July . . . . .	370	18.2	300	16.1	490	58.1	440	65.4	1,000	118.6	1,250	148.3
August . . . . .	310	15.3	260	13.9	470	55.7	370	54.9	910	107.8	1,270	150.5
September . . . . .	320	16.3	330	18.2	410	50.1	420	64.3	890	108.9	1,370	167.6
October . . . . .	370	18.2	320	17.1	480	56.7	400	59.2	900	106.4	1,180	139.5
November . . . . .	210	10.7	360	19.9	500	61.0	310	47.3	940	114.7	1,170	142.8
December . . . . .	290	14.2	280	14.9	430	50.7	430	63.4	830	97.9	1,500	177.0

See notes at end of table.

**Table 7. Estimated number of deaths and death rates for Diabetes mellitus; Malignant neoplasm of breast; and Malignant neoplasms of trachea, bronchus, and lung; by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	Diabetes mellitus								Malignant neoplasm of breast, female	Malignant neoplasms of trachea, bronchus, and lung, female		
	45–64 years				65–74 years					65–74 years		65–74 years
	Female		Male		Female		Male					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1989:												
January . . . . .	440	21.5	490	26.0	500	58.8	540	79.3	990	116.3	1,490	175.1
February . . . . .	360	19.5	380	22.3	600	78.0	500	81.2	980	127.4	1,420	184.5
March . . . . .	390	19.1	390	20.7	710	83.3	480	70.3	820	96.2	1,320	154.8
April . . . . .	330	16.6	390	21.3	650	78.7	380	57.5	1,090	132.0	1,260	152.5
May . . . . .	350	17.1	380	20.1	650	76.1	510	74.5	860	100.6	1,300	152.1
June . . . . .	330	16.6	430	23.5	600	72.5	450	67.8	870	105.1	1,370	165.5
July . . . . .	290	14.1	500	26.4	590	68.9	420	61.2	900	105.1	1,500	175.1
August . . . . .	320	15.6	320	16.9	410	47.8	410	59.6	940	109.6	1,460	170.3
September . . . . .	390	19.6	430	23.4	500	60.2	490	73.5	770	92.7	1,330	160.1
October . . . . .	400	19.4	370	19.5	770	89.6	390	56.5	930	108.2	1,350	157.1
November . . . . .	310	15.5	480	26.1	420	50.4	450	67.3	890	106.9	1,230	147.7
December . . . . .	520	25.2	420	22.1	670	77.8	660	95.4	870	101.0	1,500	174.2
1990:												
January . . . . .	550	26.7	450	23.6	640	74.2	690	99.5	1,010	117.1	1,610	186.7
February . . . . .	350	18.8	460	26.7	580	74.4	500	79.7	900	115.4	1,310	168.0
March . . . . .	450	21.8	420	22.0	560	64.8	360	51.8	1,280	148.2	1,530	177.1
April . . . . .	460	23.0	380	20.5	630	75.3	490	72.7	920	110.0	1,400	167.3
May . . . . .	440	21.3	300	15.7	750	86.6	470	67.4	1,240	143.2	1,560	180.2
June . . . . .	400	20.0	460	24.8	580	69.2	420	62.2	820	97.8	1,560	186.0
July . . . . .	380	18.3	440	23.0	510	58.8	530	75.8	1,050	121.0	1,480	170.5
August . . . . .	350	16.9	380	19.8	490	56.4	430	61.4	990	114.0	1,590	183.1
September . . . . .	390	19.4	330	17.8	510	60.6	400	59.0	910	108.2	1,490	177.1
October . . . . .	440	21.2	310	16.1	570	65.5	460	65.6	1,020	117.3	1,580	181.7
November . . . . .	310	15.4	390	21.0	640	76.0	520	76.5	1,050	124.6	1,240	147.2
December . . . . .	400	19.2	480	24.9	630	72.3	600	85.4	880	101.0	1,670	191.7

NOTES: Data in this table are for figures 37–42. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for August 1990, volume 39, number 8.

**Table 8. Estimated number of deaths and death rates for Malignant neoplasms of urinary organs, Malignant neoplasm of ovary, and Malignant neoplasm of prostate, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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 urinary organs, 45–74 years				Malignant neoplasm of ovary, female				Malignant neoplasm of prostate, male			
	Female		Male		45–64 years		65–74 years		45–64 years		65–74 years	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	260	9.6	600	25.5	320	16.2	240	32.9	160	8.9	570	102.1
February . . . . .	290	11.8	610	28.7	330	18.5	310	47.0	220	13.6	680	134.8
March . . . . .	280	10.3	580	24.6	370	18.7	280	38.3	170	9.5	640	114.4
April . . . . .	250	9.5	520	22.8	260	13.6	200	28.2	170	9.8	440	81.2
May . . . . .	200	7.4	420	17.8	280	14.1	210	28.7	170	9.5	600	107.1
June . . . . .	270	10.3	510	22.3	360	18.7	260	36.6	180	10.3	480	88.5
July . . . . .	300	11.0	530	22.5	370	18.7	230	31.2	250	13.9	560	99.2
August . . . . .	260	9.6	540	22.9	380	19.3	260	35.1	110	6.1	610	107.4
September . . . . .	240	9.1	480	21.0	280	14.7	160	22.3	150	8.7	580	105.4
October . . . . .	200	7.4	520	22.0	440	22.3	260	35.0	190	10.6	780	137.0
November . . . . .	260	9.9	600	26.2	350	18.3	220	30.6	250	14.4	530	96.1
December . . . . .	240	8.8	500	21.1	400	20.2	250	33.6	160	8.9	580	101.7
<b>1980:</b>												
January . . . . .	290	10.7	710	30.1	350	17.7	270	36.3	180	10.0	690	121.2
February . . . . .	230	9.0	510	23.1	400	21.6	270	38.8	150	8.9	580	108.8
March . . . . .	200	7.3	500	21.1	370	18.7	290	38.9	210	11.7	590	103.4
April . . . . .	260	9.9	780	34.1	350	18.3	350	48.5	210	12.1	600	108.6
May . . . . .	250	9.2	490	20.7	380	19.2	210	28.1	250	13.9	580	101.5
June . . . . .	180	6.8	590	25.7	420	21.9	270	37.3	160	9.2	460	83.1
July . . . . .	210	7.7	560	23.6	390	19.7	260	34.6	240	13.4	600	104.3
August . . . . .	300	11.0	630	26.7	350	17.8	240	31.8	190	10.6	630	109.0
September . . . . .	300	11.4	570	24.9	360	18.9	190	26.0	190	11.0	430	76.8
October . . . . .	280	10.3	590	24.9	320	16.2	190	25.1	240	13.4	640	110.5
November . . . . .	190	7.2	600	26.1	260	13.6	300	41.0	170	9.8	620	110.5
December . . . . .	240	8.8	600	25.3	420	21.2	200	26.4	200	11.2	610	105.2
<b>1981:</b>												
January . . . . .	280	10.2	480	20.2	250	12.6	190	25.0	240	13.3	430	73.9
February . . . . .	300	12.1	670	31.1	430	24.0	280	40.8	180	11.1	620	117.9
March . . . . .	360	13.1	650	27.3	350	17.6	310	40.8	320	17.8	640	109.8
April . . . . .	260	9.8	620	26.9	270	14.0	370	50.2	220	12.6	570	101.0
May . . . . .	200	7.3	550	23.0	280	14.1	200	26.3	140	7.8	720	123.3
June . . . . .	270	10.1	540	23.3	420	21.8	270	36.6	220	12.6	550	97.3
July . . . . .	410	14.9	540	22.7	360	18.2	230	30.1	210	11.7	520	88.8
August . . . . .	250	9.1	470	19.8	320	16.2	220	28.7	190	10.6	520	88.4
September . . . . .	160	6.0	470	20.4	440	23.0	250	33.6	200	11.5	720	126.4
October . . . . .	250	9.1	490	20.6	510	25.8	280	36.4	270	15.1	700	118.8
November . . . . .	180	6.8	570	24.7	330	17.2	250	33.6	190	10.9	440	77.1
December . . . . .	250	9.1	720	30.2	360	18.2	190	24.7	240	13.4	500	84.7
<b>1982:</b>												
January . . . . .	240	8.7	620	26.0	320	16.1	280	36.3	280	15.6	730	123.6
February . . . . .	290	11.7	570	26.4	400	22.3	310	44.5	200	12.3	500	93.6
March . . . . .	260	9.4	630	26.4	310	15.6	250	32.4	300	16.7	620	104.8
April . . . . .	320	12.0	500	21.6	450	23.4	270	36.1	230	13.2	610	106.5
May . . . . .	260	9.4	700	29.2	300	15.1	250	32.3	230	12.8	570	96.2
June . . . . .	280	10.5	610	26.3	420	21.8	250	33.4	220	12.6	690	120.2
July . . . . .	300	10.9	600	25.1	410	20.7	320	41.2	190	10.6	780	131.0
August . . . . .	270	9.8	620	25.9	410	20.8	290	37.2	240	13.4	680	113.1
September . . . . .	290	10.9	600	25.8	280	14.6	220	29.1	220	12.6	690	118.5
October . . . . .	220	8.0	520	21.7	250	12.6	270	34.5	180	10.0	610	101.3
November . . . . .	230	8.6	630	27.1	310	16.2	320	42.3	170	9.8	610	104.6
December . . . . .	220	7.9	590	24.5	300	15.1	260	33.2	200	11.1	730	121.0
<b>1983:</b>												
January . . . . .	260	9.4	510	21.2	380	19.2	310	39.6	230	12.8	640	106.0
February . . . . .	280	11.2	720	33.1	340	19.0	310	43.8	140	8.6	670	122.8
March . . . . .	330	11.9	630	26.1	280	14.1	390	49.7	210	11.6	710	117.5
April . . . . .	350	13.0	610	26.1	340	17.7	280	36.8	160	9.1	510	87.1
May . . . . .	240	8.6	480	19.9	280	14.1	260	33.1	180	9.9	660	109.0
June . . . . .	240	8.9	550	23.5	250	13.0	230	30.2	150	8.6	720	122.8
July . . . . .	220	7.9	570	23.6	490	24.7	280	35.4	230	12.7	550	90.0
August . . . . .	270	9.7	590	24.4	420	21.2	190	24.0	190	10.5	610	99.3
September . . . . .	290	10.8	610	26.0	450	23.5	290	37.8	220	12.6	530	89.1
October . . . . .	280	10.1	590	24.3	340	17.2	310	39.1	210	11.6	680	110.5
November . . . . .	220	8.2	600	25.6	310	16.2	280	36.5	190	10.9	570	95.7
December . . . . .	310	11.2	580	23.9	350	17.6	350	44.1	260	14.4	640	103.9

See notes at end of table.



**Table 8. Estimated number of deaths and death rates for Malignant neoplasms of urinary organs, Malignant neoplasm of ovary, and Malignant neoplasm of prostate, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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 urinary organs, 45–74 years				Malignant neoplasm of ovary, female				Malignant neoplasm of prostate, male			
	Female		Male		45–64 years		65–74 years		45–64 years		65–74 years	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	350	12.6	740	30.6	390	19.7	290	36.6	250	13.8	500	81.3
February . . . . .	250	9.6	500	22.1	240	12.9	190	25.6	250	14.8	700	121.6
March . . . . .	250	9.0	530	21.9	390	19.7	210	26.5	160	8.8	620	100.7
April . . . . .	260	9.7	570	24.3	320	16.7	350	45.6	320	18.3	570	95.6
May . . . . .	330	11.9	650	26.8	320	16.1	310	39.0	260	14.3	660	107.0
June . . . . .	300	11.1	560	23.8	230	12.0	170	22.1	110	6.3	610	102.1
July . . . . .	260	9.4	450	18.5	440	22.2	260	32.6	310	17.1	710	114.4
August . . . . .	280	10.1	580	23.8	410	20.7	320	40.0	190	10.5	630	100.9
September . . . . .	230	8.5	540	22.9	410	21.4	310	40.1	120	6.8	660	109.1
October . . . . .	250	9.0	650	26.7	280	14.1	250	31.2	220	12.1	650	103.9
November . . . . .	330	12.2	640	27.1	200	10.4	320	41.3	260	14.8	460	75.9
December . . . . .	300	10.8	540	22.1	370	18.6	310	38.7	290	16.0	840	134.1
<b>1985:</b>												
January . . . . .	360	12.9	560	22.9	370	18.6	330	41.0	360	19.8	640	101.8
February . . . . .	240	9.5	450	20.3	350	19.4	220	30.3	140	8.5	650	114.4
March . . . . .	320	11.4	510	20.8	250	12.5	260	32.3	170	9.3	690	109.6
April . . . . .	220	8.1	530	22.3	380	19.7	260	33.3	260	14.7	760	124.7
May . . . . .	200	7.1	550	22.4	290	14.5	320	39.7	150	8.2	630	99.9
June . . . . .	250	9.2	600	25.2	330	17.1	330	42.2	210	11.9	670	109.7
July . . . . .	170	6.1	660	26.9	390	19.6	310	38.3	180	9.9	700	110.3
August . . . . .	310	11.1	540	22.0	380	19.1	340	41.8	210	11.5	490	76.6
September . . . . .	340	12.5	620	26.0	430	22.3	270	34.3	120	6.8	830	134.0
October . . . . .	270	9.6	700	28.4	370	18.6	330	40.5	140	7.7	700	109.2
November . . . . .	320	11.8	780	32.7	360	18.7	280	35.5	200	11.3	610	98.3
December . . . . .	270	9.6	610	24.7	300	15.0	370	45.4	260	14.2	720	112.2
<b>1986:</b>												
January . . . . .	260	9.2	400	16.2	320	16.0	230	28.2	190	10.4	760	118.3
February . . . . .	300	11.8	660	29.6	380	21.1	410	55.6	290	17.6	600	103.3
March . . . . .	370	13.1	610	24.7	320	16.0	360	44.0	260	14.2	780	121.3
April . . . . .	170	6.2	640	26.7	290	15.0	340	42.9	230	13.0	690	110.8
May . . . . .	290	10.3	500	20.2	370	18.5	310	37.9	120	6.5	740	114.9
June . . . . .	310	11.3	620	25.9	260	13.4	290	36.6	260	14.6	860	137.8
July . . . . .	300	10.6	550	22.2	330	16.5	310	37.7	230	12.6	830	127.8
August . . . . .	220	7.8	540	21.8	310	15.5	230	27.8	230	12.6	660	100.9
September . . . . .	350	12.8	720	29.9	360	18.6	250	31.2	190	10.7	540	85.2
October . . . . .	350	12.4	570	22.9	380	19.0	320	38.7	180	9.8	890	135.8
November . . . . .	260	9.5	520	21.6	220	11.4	300	37.4	230	13.0	660	103.9
December . . . . .	220	7.8	650	26.1	420	21.0	290	35.0	250	13.6	710	108.1
<b>1987:</b>												
January . . . . .	310	10.9	630	25.3	290	14.5	300	36.2	200	10.9	690	105.0
February . . . . .	270	10.5	530	23.5	390	21.5	180	24.0	220	13.3	710	119.6
March . . . . .	280	9.9	600	24.0	290	14.5	370	44.6	240	13.1	690	104.9
April . . . . .	380	13.8	620	25.7	420	21.6	230	28.6	210	11.8	890	139.7
May . . . . .	230	8.1	630	25.2	340	16.9	320	38.5	170	9.2	700	106.3
June . . . . .	270	9.8	480	19.8	220	11.3	290	36.0	110	6.2	540	84.6
July . . . . .	240	8.4	720	28.7	240	12.0	230	27.5	190	10.3	690	103.8
August . . . . .	280	9.8	640	25.5	350	17.4	320	38.2	300	16.3	630	94.7
September . . . . .	200	7.3	670	27.6	390	20.1	270	33.3	240	13.4	710	110.2
October . . . . .	290	10.2	650	25.9	230	11.4	260	31.0	160	8.7	710	106.6
November . . . . .	220	8.0	720	29.6	360	18.5	380	46.8	260	14.5	610	94.5
December . . . . .	210	7.3	480	19.1	410	20.3	380	45.3	240	13.0	860	128.9
<b>1988:</b>												
January . . . . .	350	12.3	590	23.4	270	13.4	370	44.1	220	11.9	720	107.8
February . . . . .	150	5.6	470	19.9	300	15.9	300	38.2	250	14.4	800	127.9
March . . . . .	190	6.6	660	26.1	240	11.9	320	38.1	180	9.7	670	100.1
April . . . . .	270	9.7	550	22.5	360	18.4	370	45.5	190	10.6	710	109.5
May . . . . .	300	10.5	630	24.9	390	19.3	300	35.7	290	15.6	590	88.0
June . . . . .	270	9.7	640	26.1	360	18.4	330	40.5	310	17.2	740	113.9
July . . . . .	370	12.9	600	23.6	340	16.8	360	42.7	320	17.1	950	141.2
August . . . . .	240	8.3	660	26.0	380	18.7	250	29.6	200	10.7	930	138.1
September . . . . .	350	12.6	510	20.7	340	17.3	220	26.9	150	8.3	750	114.9
October . . . . .	320	11.1	590	23.2	350	17.2	450	53.2	240	12.8	680	100.6
November . . . . .	260	9.3	610	24.7	290	14.7	240	29.3	230	12.7	650	99.3
December . . . . .	250	8.7	490	19.2	460	22.6	360	42.5	200	10.7	760	112.1

See notes at end of table.

**Table 8. Estimated number of deaths and death rates for Malignant neoplasms of urinary organs, Malignant neoplasm of ovary, and Malignant neoplasm of prostate, by specified age, sex, year, and month of occurrence: United States, January 1979—December 1990—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 urinary organs, 45-74 years				Malignant neoplasm of ovary, female				Malignant neoplasm of prostate, male			
	Female		Male		45-64 years		65-74 years		45-64 years		65-74 years	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	310	10.7	640	24.9	330	16.1	310	36.4	330	17.5	540	79.3
February . . . . .	290	11.1	530	22.9	310	16.8	370	48.1	240	14.1	640	103.9
March . . . . .	270	9.3	640	24.9	420	20.5	420	49.3	260	13.8	700	102.6
April . . . . .	280	10.0	540	21.7	260	13.1	310	37.5	190	10.4	600	90.7
May . . . . .	340	11.7	690	26.8	380	18.5	350	41.0	230	12.2	750	109.6
June . . . . .	310	11.0	480	19.2	200	10.1	270	32.6	280	15.3	760	114.6
July . . . . .	310	10.6	580	22.5	210	10.2	340	39.7	290	15.3	680	98.9
August . . . . .	210	7.2	530	20.5	300	14.6	250	29.2	280	14.8	650	94.5
September . . . . .	250	8.9	680	27.2	330	16.6	310	37.3	270	14.7	660	99.1
October . . . . .	280	9.6	410	15.8	270	13.1	330	38.4	280	14.7	610	88.4
November . . . . .	240	8.5	650	25.9	250	12.5	290	34.8	210	11.4	850	127.2
December . . . . .	330	11.3	610	23.5	290	14.1	310	36.0	280	14.7	900	130.1
<b>1990:</b>												
January . . . . .	270	9.2	640	24.6	210	10.2	320	37.1	260	13.6	970	139.8
February . . . . .	250	9.5	540	23.0	290	15.6	280	35.9	160	9.3	670	106.8
March . . . . .	300	10.2	540	20.7	380	18.4	390	45.1	270	14.1	790	113.7
April . . . . .	230	8.1	640	25.4	400	20.0	380	45.4	210	11.4	910	135.1
May . . . . .	310	10.6	610	23.4	270	13.0	340	39.3	140	7.3	830	119.1
June . . . . .	250	8.8	520	20.6	280	14.0	340	40.5	240	13.0	620	91.8
July . . . . .	230	7.8	460	17.6	310	15.0	320	36.9	230	12.0	780	111.6
August . . . . .	290	9.9	650	24.8	330	15.9	310	35.7	250	13.0	990	141.5
September . . . . .	380	13.3	550	21.7	300	14.9	350	41.6	230	12.4	860	126.8
October . . . . .	280	9.5	650	24.8	340	16.4	240	27.6	260	13.5	930	132.6
November . . . . .	380	13.3	510	20.1	240	11.9	350	41.5	160	8.6	740	108.9
December . . . . .	310	10.5	610	23.2	250	12.0	330	37.9	170	8.8	900	128.0

NOTES: Data in this table are for figures 37-42. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for August 1990, volume 39, number 8.

**Table 9. Estimated number of deaths and death rates for Pneumonia and influenza and Malignant neoplasms of trachea, bronchus, and lung, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	<i>Pneumonia and influenza</i>								<i>Malignant neoplasms of trachea, bronchus, and lung, male</i>			
	25–64 years				65–74 years				45–54 years		55–64 years	
	Female		Male		Female		Male		Number	Rate	Number	Rate
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	260	5.7	370	8.6	310	42.4	550	98.5	800	84.7	1,920	226.7
February . . . . .	150	3.6	470	12.0	250	37.9	400	79.3	590	69.1	1,720	224.7
March . . . . .	280	6.1	420	9.7	230	31.4	430	76.9	640	67.6	1,740	205.1
April . . . . .	220	5.0	400	9.6	250	35.3	350	64.6	680	74.2	1,790	217.9
May . . . . .	180	3.9	200	4.6	190	25.9	210	37.5	580	61.2	1,720	202.4
June . . . . .	120	2.7	310	7.4	180	25.4	290	53.4	600	65.3	1,640	199.3
July . . . . .	150	3.2	260	6.0	70	*9.5	400	70.8	590	62.8	1,550	181.7
August . . . . .	130	2.8	320	7.3	160	21.6	300	52.8	680	73.0	1,700	198.9
September . . . . .	90	*2.0	230	5.4	210	29.2	230	41.8	590	65.3	1,350	163.1
October . . . . .	170	3.7	350	8.0	180	24.2	420	73.8	700	74.9	1,660	193.8
November . . . . .	160	3.6	220	5.2	230	31.9	430	78.0	820	90.6	1,540	185.6
December . . . . .	220	4.7	440	10.0	270	36.3	360	63.1	620	66.2	1,900	221.4
<b>1980:</b>												
January . . . . .	210	4.5	380	8.6	350	47.1	480	84.3	650	69.6	1,760	205.5
February . . . . .	350	8.0	530	12.9	240	34.5	630	118.2	700	80.0	1,710	213.2
March . . . . .	290	6.2	560	12.7	470	63.1	500	87.7	740	79.1	1,850	215.6
April . . . . .	260	5.8	440	10.3	300	41.6	500	90.5	590	65.1	1,950	234.6
May . . . . .	230	4.9	370	8.4	180	24.1	430	75.3	710	75.7	1,850	215.2
June . . . . .	130	2.9	200	4.7	140	19.4	250	45.2	620	68.2	1,710	205.3
July . . . . .	130	2.8	230	5.2	240	32.0	270	46.9	670	72.0	1,910	221.5
August . . . . .	150	3.2	220	4.9	160	21.2	470	81.3	780	84.5	1,810	210.0
September . . . . .	210	4.6	340	7.9	200	27.4	270	48.2	830	92.8	1,730	207.2
October . . . . .	250	5.3	270	6.0	230	30.4	360	62.2	650	70.2	1,940	224.6
November . . . . .	200	4.4	240	5.5	290	39.6	400	71.3	630	70.3	1,670	199.6
December . . . . .	260	5.5	510	11.4	310	41.0	540	93.1	780	84.1	1,620	187.2
<b>1981:</b>												
January . . . . .	410	8.6	740	16.4	560	73.7	830	142.6	800	86.0	2,100	241.8
February . . . . .	220	5.1	550	13.5	440	64.1	760	144.5	650	77.3	1,820	231.9
March . . . . .	300	6.3	450	10.0	270	35.5	470	80.6	630	67.6	1,940	223.1
April . . . . .	240	5.2	360	8.2	210	28.5	390	69.1	620	68.7	2,040	242.2
May . . . . .	170	3.6	300	6.6	300	39.4	400	68.5	670	71.8	1,760	202.1
June . . . . .	220	4.8	270	6.2	170	23.0	330	58.4	740	81.9	1,890	224.0
July . . . . .	190	4.0	310	6.8	180	23.5	400	68.3	690	74.6	1,740	199.9
August . . . . .	110	2.3	310	6.8	210	27.4	270	45.9	700	76.2	1,920	220.6
September . . . . .	240	5.1	250	5.6	170	22.9	370	64.9	730	82.0	1,930	229.0
October . . . . .	190	3.9	470	10.3	180	23.4	390	66.2	690	75.0	1,850	212.2
November . . . . .	100	*2.1	350	7.9	210	28.2	300	52.6	700	78.5	1,940	229.7
December . . . . .	210	4.3	440	9.6	220	28.6	410	69.5	600	65.1	1,820	208.4
<b>1982:</b>												
January . . . . .	200	4.1	390	8.5	260	33.7	450	76.2	790	85.6	1,840	210.5
February . . . . .	210	4.8	390	9.4	260	37.3	420	78.7	520	62.3	1,740	220.3
March . . . . .	230	4.7	430	9.4	260	33.7	460	77.8	640	69.3	1,740	198.8
April . . . . .	140	3.0	310	7.0	350	46.8	430	75.1	590	65.9	1,900	224.1
May . . . . .	180	3.7	380	8.3	280	36.2	420	70.9	750	81.1	1,710	195.1
June . . . . .	230	4.9	250	5.6	280	37.4	320	55.8	630	70.3	2,010	236.7
July . . . . .	200	4.1	250	5.4	320	41.2	410	68.9	740	80.5	1,800	205.2
August . . . . .	130	2.6	510	10.9	180	23.1	330	54.9	670	73.0	2,040	232.4
September . . . . .	140	2.9	290	6.4	130	17.2	330	56.7	750	84.4	1,720	202.3
October . . . . .	100	*2.0	360	7.7	220	28.1	560	93.0	840	91.4	2,020	229.7
November . . . . .	130	2.7	360	7.9	230	30.4	360	61.7	590	66.3	1,750	205.4
December . . . . .	250	5.1	470	10.0	230	29.4	480	79.6	750	81.5	1,920	218.0
<b>1983:</b>												
January . . . . .	240	4.9	310	6.6	260	33.2	510	84.5	580	62.9	1,960	222.3
February . . . . .	310	7.0	410	9.7	290	40.9	480	88.0	630	75.6	1,650	207.1
March . . . . .	270	5.5	450	9.6	280	35.7	550	91.0	630	68.3	1,810	205.0
April . . . . .	170	3.6	400	8.8	320	42.1	420	71.7	600	67.1	1,720	201.2
May . . . . .	140	2.8	320	6.8	230	29.3	480	79.3	560	60.6	1,800	203.6
June . . . . .	120	2.5	220	4.8	260	34.2	340	58.0	710	79.3	1,880	219.5
July . . . . .	140	2.8	230	4.9	130	16.4	510	83.4	590	64.0	1,990	224.9
August . . . . .	140	2.8	270	5.7	100	*12.6	330	53.7	620	67.4	1,870	211.7
September . . . . .	160	3.3	340	7.4	220	28.7	300	50.4	760	85.2	1,760	205.7
October . . . . .	230	4.6	380	8.0	230	29.0	390	63.4	660	71.6	1,950	220.3
November . . . . .	190	3.9	260	5.6	140	18.2	350	58.7	800	89.6	1,790	208.8
December . . . . .	120	2.4	300	6.3	290	36.5	380	61.7	620	67.1	1,860	209.8

See notes at end of table.

**Table 9. Estimated number of deaths and death rates for Pneumonia and influenza and Malignant neoplasms of trachea, bronchus, and lung, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	<i>Pneumonia and influenza</i>								<i>Malignant neoplasms of trachea, bronchus, and lung, male</i>			
	25–64 years				65–74 years				45–54 years		55–64 years	
	Female		Male		Female		Male					
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	340	6.8	440	9.2	300	37.9	660	107.3	660	71.6	2,040	230.6
February . . . . .	300	6.4	450	10.1	370	49.9	550	95.5	660	76.5	2,000	241.5
March . . . . .	360	7.2	440	9.2	380	47.9	540	87.7	500	54.2	1,810	204.3
April . . . . .	140	2.9	480	10.4	270	35.1	560	93.9	580	64.9	1,830	213.3
May . . . . .	230	4.6	360	7.5	320	40.3	550	89.2	580	62.8	1,740	196.2
June . . . . .	90	*1.8	380	8.2	210	27.3	410	68.6	620	69.3	1,780	207.2
July . . . . .	160	3.2	290	6.0	200	25.1	360	58.0	640	69.2	1,870	210.8
August . . . . .	90	*1.8	350	7.2	250	31.3	300	48.1	660	71.5	1,770	200.0
September . . . . .	150	3.1	220	4.7	220	28.4	340	56.2	660	73.8	1,780	207.7
October . . . . .	230	4.5	370	7.6	240	30.0	460	73.5	630	68.1	1,910	215.5
November . . . . .	240	4.9	350	7.4	220	28.4	390	64.4	580	64.8	1,970	229.4
December . . . . .	210	4.1	330	6.8	260	32.4	520	83.0	810	87.5	2,300	259.1
<b>1985:</b>												
January . . . . .	270	5.3	440	9.0	560	69.6	470	74.8	520	56.0	2,060	231.2
February . . . . .	370	8.0	560	12.7	410	56.4	560	98.5	540	64.3	1,790	222.3
March . . . . .	310	6.1	600	12.3	490	60.8	620	98.5	580	62.3	1,650	185.0
April . . . . .	250	5.0	450	9.5	440	56.4	470	77.1	570	63.3	2,070	239.6
May . . . . .	180	3.5	220	4.5	280	34.7	430	68.2	650	69.8	1,910	213.8
June . . . . .	130	2.6	290	6.1	190	24.3	430	70.4	640	70.9	1,980	228.8
July . . . . .	190	3.7	450	9.1	170	21.0	440	69.3	700	75.2	1,900	213.1
August . . . . .	130	2.5	320	6.4	220	27.1	420	65.7	620	66.5	1,940	218.9
September . . . . .	160	3.2	270	5.6	270	34.3	400	64.6	540	59.8	1,900	221.3
October . . . . .	200	3.9	420	8.4	220	27.0	430	67.1	600	64.2	1,960	220.7
November . . . . .	190	3.8	230	4.8	250	31.7	510	82.2	470	52.0	1,800	209.3
December . . . . .	250	4.8	510	10.2	260	31.9	530	82.6	640	68.4	1,950	219.2
<b>1986:</b>												
January . . . . .	330	6.3	420	8.4	410	50.2	670	104.3	580	61.9	2,000	224.7
February . . . . .	320	6.8	580	12.9	450	61.0	770	132.6	500	59.1	1,720	213.8
March . . . . .	270	5.2	560	11.2	400	48.9	560	87.1	610	65.1	1,900	213.1
April . . . . .	190	3.8	430	8.9	340	42.9	570	91.5	630	69.4	2,000	231.7
May . . . . .	150	2.9	470	9.4	330	40.3	480	74.5	540	57.5	1,720	192.7
June . . . . .	270	5.3	250	5.2	330	41.6	460	73.7	480	52.8	1,670	193.2
July . . . . .	150	2.9	310	6.2	180	21.9	590	90.8	570	60.6	1,920	216.2
August . . . . .	100	*1.9	270	5.3	310	37.5	330	50.4	590	62.3	1,790	203.3
September . . . . .	160	3.1	320	6.5	300	37.5	370	58.4	630	68.7	1,940	227.4
October . . . . .	260	4.9	330	6.5	340	41.1	410	62.5	660	69.6	1,680	190.4
November . . . . .	100	*2.0	390	7.9	330	41.2	480	75.6	720	78.4	1,740	203.6
December . . . . .	190	3.6	520	10.3	230	27.8	520	79.2	530	55.8	1,840	208.3
<b>1987:</b>												
January . . . . .	370	7.0	760	15.0	440	53.1	700	106.5	510	53.6	1,930	218.3
February . . . . .	230	4.8	510	11.1	420	56.0	500	84.2	570	66.3	1,970	246.5
March . . . . .	250	4.7	380	7.5	450	54.2	550	83.6	640	67.2	1,690	190.9
April . . . . .	170	3.3	390	7.9	350	43.5	580	91.0	620	67.2	1,930	225.1
May . . . . .	190	3.6	410	8.1	290	34.9	470	71.4	680	71.3	1,910	215.4
June . . . . .	200	3.9	300	6.1	270	33.5	410	64.3	500	54.2	2,020	235.3
July . . . . .	160	3.0	380	7.4	190	22.7	410	61.7	630	65.6	2,010	228.3
August . . . . .	170	3.2	250	4.9	240	28.7	530	79.7	510	53.0	1,660	188.4
September . . . . .	100	*1.9	230	4.6	270	33.3	480	74.5	460	49.4	1,830	214.4
October . . . . .	170	3.2	390	7.6	270	32.2	450	67.5	570	59.2	1,840	208.5
November . . . . .	190	3.7	390	7.8	390	48.0	390	60.4	570	61.1	1,890	221.1
December . . . . .	210	3.9	470	9.1	320	38.1	460	68.9	650	67.4	1,960	221.7
<b>1988:</b>												
January . . . . .	240	4.5	540	10.5	440	52.5	650	97.3	580	59.4	1,870	213.9
February . . . . .	290	5.8	480	9.9	430	54.8	840	134.3	630	68.7	2,130	260.6
March . . . . .	550	10.3	470	9.1	530	63.1	800	119.5	680	69.2	1,990	227.9
April . . . . .	200	3.8	520	10.4	390	47.9	570	87.9	630	66.1	1,770	209.6
May . . . . .	230	4.3	400	7.7	220	26.1	630	93.9	660	66.8	1,950	223.7
June . . . . .	120	2.3	410	8.2	290	35.6	530	81.5	720	75.0	1,670	198.1
July . . . . .	210	3.9	440	8.5	260	30.8	360	53.5	470	47.2	2,020	232.0
August . . . . .	140	2.6	430	8.3	270	32.0	470	69.8	680	68.2	1,920	220.7
September . . . . .	190	3.6	250	5.0	250	30.6	530	81.2	690	71.3	1,890	224.7
October . . . . .	250	4.6	340	6.5	260	30.7	340	50.3	640	63.8	2,080	239.5
November . . . . .	230	4.4	490	9.7	230	28.1	520	79.4	600	61.7	1,870	222.7
December . . . . .	230	4.2	510	9.8	400	47.2	630	93.0	570	56.6	1,900	219.2

See notes at end of table.

**Table 9. Estimated number of deaths and death rates for Pneumonia and influenza and Malignant neoplasms of trachea, bronchus, and lung, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	<i>Pneumonia and influenza</i>								<i>Malignant neoplasms of trachea, bronchus, and lung, male</i>			
	<i>25–64 years</i>				<i>65–74 years</i>				<i>45–54 years</i>		<i>55–64 years</i>	
	<i>Female</i>		<i>Male</i>		<i>Female</i>		<i>Male</i>		<i>Number</i>	<i>Rate</i>	<i>Number</i>	<i>Rate</i>
	<i>Number</i>	<i>Rate</i>	<i>Number</i>	<i>Rate</i>	<i>Number</i>	<i>Rate</i>	<i>Number</i>	<i>Rate</i>				
1989:												
January . . . . .	320	5.9	450	8.6	430	50.5	670	98.4	710	70.1	1,770	203.5
February . . . . .	340	6.9	430	9.1	460	59.8	640	103.9	510	55.6	1,840	234.4
March . . . . .	310	5.7	500	9.5	530	62.2	640	93.8	690	67.7	1,610	185.4
April . . . . .	220	4.2	440	8.6	350	42.4	650	98.3	610	61.7	1,800	214.4
May . . . . .	190	3.5	440	8.3	350	41.0	510	74.5	580	56.7	1,890	218.0
June . . . . .	170	3.2	260	5.1	240	29.0	500	75.4	660	66.5	1,830	218.3
July . . . . .	110	2.0	330	6.2	210	24.5	360	52.4	650	63.2	1,970	227.4
August . . . . .	230	4.2	380	7.2	260	30.3	340	49.5	600	58.2	1,640	189.6
September . . . . .	110	2.1	260	5.1	220	26.5	380	57.0	630	63.0	1,720	205.5
October . . . . .	280	5.1	290	5.5	290	33.7	390	56.5	600	58.0	1,870	216.4
November . . . . .	300	5.6	290	5.6	130	15.6	550	82.3	630	62.8	1,640	196.2
December . . . . .	300	5.4	520	9.8	370	43.0	610	88.2	620	59.6	1,930	223.5
1990:												
January . . . . .	370	6.7	590	11.1	480	55.7	870	125.4	550	52.8	1,840	213.0
February . . . . .	370	7.4	480	10.0	470	60.3	500	79.7	530	56.2	1,780	228.3
March . . . . .	220	4.0	480	9.0	460	53.3	630	90.6	670	64.1	1,770	205.2
April . . . . .	240	4.5	470	9.1	390	46.6	480	71.3	550	54.2	1,790	214.6
May . . . . .	260	4.7	280	5.2	340	39.3	410	58.8	660	62.8	1,680	195.0
June . . . . .	180	3.3	390	7.5	280	33.4	330	48.9	550	54.0	1,710	205.2
July . . . . .	120	2.2	300	5.6	290	33.4	430	61.5	590	55.9	1,820	211.4
August . . . . .	200	3.6	410	7.6	210	24.2	440	62.9	700	66.2	1,840	213.7
September . . . . .	120	2.2	420	8.1	170	20.2	450	66.3	630	61.5	1,760	211.3
October . . . . .	250	4.5	230	4.3	380	43.7	460	65.6	710	66.9	1,810	210.3
November . . . . .	220	4.1	350	6.7	240	28.5	360	53.0	470	45.7	1,580	189.8
December . . . . .	310	5.5	520	9.6	250	28.7	580	82.5	530	49.8	1,700	197.6

NOTES: Data in this table are for figures 49–54. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for October 1990, volume 39, number 10.

**Table 10. 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 1990**

[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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	150	7.0	170	7.6	180	6.9	960	38.1	160	8.1	480	26.8
February . . . . .	90	*4.6	130	6.4	260	11.1	770	33.8	140	7.8	370	22.8
March . . . . .	110	5.1	150	6.7	260	10.0	960	38.0	200	10.1	480	26.8
April . . . . .	180	8.6	270	12.4	270	10.7	850	34.7	170	8.9	350	20.1
May . . . . .	260	12.1	250	11.1	290	11.2	730	28.8	140	7.1	470	26.1
June . . . . .	210	10.0	230	10.5	250	9.9	910	37.1	100	*5.2	370	21.2
July . . . . .	110	5.1	260	11.6	280	10.6	1,050	41.0	280	14.2	350	19.5
August . . . . .	140	6.6	310	14.0	250	9.4	970	37.4	230	11.7	370	20.7
September . . . . .	130	6.3	200	9.3	250	9.7	1,080	42.9	190	10.0	410	23.7
October . . . . .	240	11.3	380	17.1	260	9.7	1,160	44.6	230	11.6	490	27.4
November . . . . .	120	5.8	180	8.3	320	12.4	1,060	42.1	120	6.3	480	27.7
December . . . . .	100	*4.7	120	5.4	320	12.0	1,070	41.1	260	13.1	530	29.5
<b>1980:</b>												
January . . . . .	100	*4.7	210	9.4	370	13.9	790	30.4	220	11.1	490	27.4
February . . . . .	160	8.0	100	*4.8	300	12.0	850	34.9	180	9.7	450	26.8
March . . . . .	130	6.1	150	6.7	280	10.5	720	27.6	150	7.6	460	25.6
April . . . . .	140	6.8	170	7.9	240	9.3	940	37.2	230	12.0	480	27.6
May . . . . .	150	7.0	170	7.6	270	10.1	1,140	43.7	170	8.6	370	20.6
June . . . . .	100	*4.8	230	10.6	280	10.8	1,140	45.1	220	11.5	570	32.7
July . . . . .	160	7.5	320	14.4	250	9.2	970	36.6	200	10.1	470	26.2
August . . . . .	220	10.4	290	13.1	260	9.5	1,100	41.0	230	11.7	520	29.1
September . . . . .	180	8.8	210	9.8	370	13.9	1,340	51.6	250	13.1	470	27.2
October . . . . .	160	7.5	160	7.2	390	14.2	1,030	38.3	180	9.1	520	29.1
November . . . . .	70	*3.4	190	8.8	310	11.6	1,050	40.4	300	15.7	520	30.0
December . . . . .	130	6.1	260	11.7	310	11.3	870	32.3	230	11.6	500	27.9
<b>1981:</b>												
January . . . . .	110	5.2	160	7.2	310	11.2	1,060	39.3	220	11.1	540	30.0
February . . . . .	70	*3.6	190	9.4	200	8.0	1,070	43.9	190	10.6	480	29.5
March . . . . .	100	*4.7	170	7.6	190	6.9	970	35.9	190	9.6	420	23.3
April . . . . .	80	*3.9	120	5.5	250	9.3	940	35.9	210	10.9	420	24.1
May . . . . .	90	*4.2	280	12.5	380	13.7	1,150	42.5	210	10.5	400	22.2
June . . . . .	120	5.8	260	12.0	280	10.4	950	36.2	160	8.3	480	27.5
July . . . . .	200	9.4	380	17.1	300	10.7	1,130	41.2	170	8.6	350	19.5
August . . . . .	90	*4.2	220	9.9	450	15.8	1,130	40.7	170	8.6	460	25.7
September . . . . .	110	5.4	260	12.1	440	16.0	1,000	37.2	220	11.5	420	24.2
October . . . . .	130	6.1	250	11.2	390	13.7	1,050	37.7	250	12.6	360	20.1
November . . . . .	90	*4.4	210	9.7	280	10.2	1,030	38.2	150	7.8	520	30.0
December . . . . .	120	5.6	80	*3.6	350	12.3	1,070	38.4	200	10.1	430	23.9
<b>1982:</b>												
January . . . . .	60	*2.8	130	5.8	290	10.2	850	30.5	110	5.5	500	27.8
February . . . . .	80	*4.1	110	5.4	200	7.8	760	30.2	200	11.2	350	21.5
March . . . . .	80	*3.7	210	9.4	230	8.1	850	30.4	130	6.5	310	17.2
April . . . . .	140	6.8	180	8.3	230	8.3	830	30.7	150	7.8	340	19.5
May . . . . .	140	6.5	210	9.4	260	9.1	710	25.4	140	7.0	310	17.2
June . . . . .	180	8.7	230	10.6	370	13.4	1,000	36.9	140	7.3	480	27.5
July . . . . .	110	5.2	260	11.6	330	11.4	1,170	41.2	180	9.1	460	25.6
August . . . . .	140	6.6	260	11.7	350	11.9	1,010	35.2	220	11.1	290	16.2
September . . . . .	150	7.3	230	10.6	310	10.9	960	34.6	100	*5.2	420	24.2
October . . . . .	120	5.6	230	10.3	360	12.3	980	34.1	180	9.1	430	23.9
November . . . . .	140	6.8	110	5.1	200	7.0	890	32.0	170	8.9	410	23.5
December . . . . .	110	5.1	180	8.0	350	11.9	840	29.2	210	10.6	450	25.0
<b>1983:</b>												
January . . . . .	50	*2.3	140	6.3	240	8.1	660	22.9	170	8.6	360	20.0
February . . . . .	80	*4.1	110	5.4	230	8.6	700	26.9	120	6.7	430	26.4
March . . . . .	90	*4.2	140	6.2	260	8.8	650	22.5	140	7.0	260	14.4
April . . . . .	80	*3.9	240	11.0	160	5.6	770	27.6	110	5.7	380	21.7
May . . . . .	90	*4.2	180	8.0	290	9.8	980	33.9	170	8.5	370	20.5
June . . . . .	70	*3.4	220	10.1	220	7.7	740	26.5	180	9.3	320	18.3
July . . . . .	70	*3.3	220	9.8	330	11.0	1,000	34.2	150	7.6	410	22.7
August . . . . .	100	*4.7	240	10.7	280	9.3	1,050	35.5	200	10.1	420	23.3
September . . . . .	150	7.2	240	11.1	250	8.6	980	34.2	170	8.9	420	24.0
October . . . . .	70	*3.3	180	8.0	270	8.9	950	32.0	170	8.6	330	18.2
November . . . . .	180	8.7	70	*3.2	200	6.8	1,010	35.2	160	8.3	340	19.4
December . . . . .	100	*4.7	140	6.2	330	10.9	860	29.0	100	*5.0	350	19.3

See notes at end of table.

**Table 10. 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 1990—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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January	110	5.1	140	6.2	220	7.3	700	23.6	140	7.1	380	21.0
February	60	*3.0	110	5.2	160	5.7	790	28.5	210	11.3	430	25.4
March	120	5.6	140	6.2	230	7.6	820	27.6	150	7.6	340	18.8
April	120	5.8	150	6.9	260	8.9	650	22.6	240	12.5	340	19.4
May	70	*3.3	230	10.2	300	9.9	1,020	34.3	150	7.6	270	14.9
June	200	9.6	190	8.7	300	10.2	1,100	38.2	170	8.8	340	19.4
July	140	6.5	220	9.8	260	8.5	1,190	39.5	180	9.1	540	29.8
August	70	*3.3	230	10.3	290	9.4	1,120	36.8	160	8.1	490	27.1
September	140	6.8	210	9.7	280	9.3	1,160	39.3	170	8.9	450	25.7
October	100	*4.7	130	5.8	320	10.3	960	31.5	90	*4.5	440	24.3
November	60	*2.9	130	6.0	210	7.0	1,010	34.2	210	10.9	450	25.6
December	70	*3.3	130	5.8	230	7.4	1,020	33.4	190	9.6	490	27.0
<b>1985:</b>												
January	100	*4.6	120	5.3	310	9.9	770	25.1	120	6.0	280	15.4
February	80	*4.1	130	6.4	200	7.1	600	21.6	200	11.1	300	18.2
March	60	*2.8	110	4.9	240	7.7	820	26.7	140	7.0	420	23.0
April	110	5.3	160	7.3	310	10.3	880	29.6	150	7.8	370	21.0
May	90	*4.2	270	11.9	250	8.0	920	29.9	180	9.0	370	20.3
June	190	9.1	200	9.1	300	9.9	1,020	34.2	140	7.2	330	18.7
July	190	8.8	330	14.6	280	8.9	1,150	37.0	120	6.0	440	24.1
August	170	7.9	250	11.1	300	9.4	880	28.0	250	12.6	390	21.4
September	150	7.2	190	8.7	340	11.0	1,040	34.2	180	9.3	390	22.1
October	100	*4.7	140	6.2	260	8.1	920	29.2	190	9.5	340	18.7
November	100	*4.8	110	5.0	290	9.4	740	24.3	230	11.9	540	30.6
December	60	*2.8	120	5.3	260	8.1	640	20.3	170	8.5	360	19.7
<b>1986:</b>												
January	80	*3.7	130	5.7	340	10.6	780	24.7	250	12.5	520	28.5
February	80	*4.1	60	*2.9	280	9.7	480	16.8	90	*5.0	360	21.8
March	90	*4.2	160	7.1	360	11.2	780	24.7	150	7.5	370	20.2
April	90	*4.3	180	8.2	240	7.7	970	31.7	120	6.2	270	15.2
May	90	*4.2	250	11.0	360	11.2	1,230	38.9	240	12.0	300	16.4
June	80	*3.8	270	12.3	270	8.7	1,030	33.6	210	10.8	330	18.6
July	160	7.4	190	8.4	400	12.3	1,290	40.3	160	8.0	370	20.2
August	160	7.4	320	14.2	410	12.6	1,070	33.2	230	11.5	460	25.2
September	130	6.2	140	6.4	340	10.7	1,040	33.3	210	10.9	350	19.8
October	80	*3.7	170	7.5	260	7.9	1,200	37.1	220	11.0	410	22.4
November	60	*2.9	190	8.7	360	11.4	940	30.0	160	8.3	440	24.8
December	110	5.1	100	*4.4	200	6.1	940	29.0	260	13.0	460	25.1
<b>1987:</b>												
January	100	*4.6	160	7.0	290	8.8	840	25.9	140	7.0	330	18.0
February	50	*2.6	50	*2.4	330	11.1	690	23.6	130	7.2	300	18.1
March	110	5.1	150	6.6	340	10.3	790	24.4	180	9.0	360	19.6
April	100	*4.8	180	8.2	320	10.1	1,030	32.8	180	9.3	370	20.8
May	100	*4.6	240	10.5	180	5.5	960	29.6	310	15.4	350	19.0
June	130	6.2	260	11.8	260	8.2	1,080	34.3	170	8.7	370	20.8
July	170	7.8	280	12.3	300	9.0	1,140	34.8	220	11.0	570	31.0
August	100	*4.6	120	5.3	390	11.8	1,030	31.4	270	13.4	410	22.3
September	80	*3.8	260	11.8	240	7.5	1,140	35.9	160	8.2	310	17.4
October	180	8.3	190	8.3	230	6.9	1,010	30.7	210	10.4	510	27.6
November	80	*3.8	180	8.1	400	12.4	980	30.8	260	13.3	480	26.8
December	80	*3.7	130	5.7	430	12.9	970	29.5	240	11.9	380	20.5
<b>1988:</b>												
January	100	*4.6	150	6.6	330	9.9	880	26.7	170	8.4	290	15.7
February	120	5.9	120	5.6	320	10.2	820	26.6	250	13.3	290	16.7
March	100	*4.6	170	7.4	290	8.7	1,050	31.8	220	10.9	340	18.3
April	100	*4.7	150	6.8	340	10.5	1,050	32.8	200	10.2	330	18.3
May	100	*4.6	190	8.3	300	8.9	1,030	31.1	160	7.9	410	22.0
June	190	9.0	170	7.6	300	9.2	1,130	35.2	170	8.7	470	26.1
July	150	6.8	190	8.3	340	10.1	1,100	33.1	260	12.8	430	23.0
August	220	10.0	170	7.4	420	12.5	910	27.3	150	7.4	380	20.3
September	110	5.2	220	9.9	370	11.3	1,200	37.2	210	10.7	290	16.0
October	160	7.3	150	6.5	430	12.7	1,080	32.3	260	12.8	460	24.6
November	70	*3.3	180	8.0	320	9.8	1,010	31.2	190	9.7	420	23.2
December	130	5.9	150	6.5	350	10.3	960	28.7	270	13.3	420	22.4

See notes at end of table.

**Table 10. 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 1990—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	25–44 years				45–64 years				65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	90	*4.1	140	6.0	230	6.8	930	27.6	180	8.8	440	23.4
February . . . . .	130	6.5	140	6.6	160	5.2	870	28.6	190	10.3	470	27.6
March . . . . .	70	*3.1	90	*3.9	400	11.7	840	24.9	280	13.7	470	24.9
April . . . . .	90	*4.2	210	9.3	370	11.2	940	28.7	190	9.6	390	21.3
May . . . . .	120	5.4	210	9.0	260	7.6	1,040	30.7	180	8.8	420	22.2
June . . . . .	150	6.9	140	6.2	310	9.3	1,000	30.5	210	10.6	340	18.6
July . . . . .	90	*4.0	260	11.1	370	10.8	900	26.5	180	8.8	430	22.7
August . . . . .	180	8.0	240	10.2	370	10.8	1,000	29.4	170	8.3	400	21.1
September . . . . .	160	7.4	290	12.7	410	12.3	1,020	31.0	210	10.5	460	25.0
October . . . . .	100	*4.5	190	8.1	490	14.2	810	23.7	140	6.8	470	24.7
November . . . . .	80	*3.7	160	7.0	350	10.5	1,030	31.2	180	9.0	440	23.9
December . . . . .	130	5.8	130	5.5	410	11.9	990	29.0	240	11.6	450	23.6
<b>1990:</b>												
January . . . . .	150	6.7	110	4.7	300	8.7	750	21.9	190	9.2	480	25.2
February . . . . .	100	*4.9	110	5.1	280	9.0	620	20.0	190	10.2	390	22.6
March . . . . .	140	6.2	130	5.5	350	10.1	900	26.2	170	8.2	560	29.3
April . . . . .	90	*4.1	180	7.8	440	13.1	1,110	33.4	250	12.5	440	23.8
May . . . . .	120	5.3	170	7.1	400	11.5	1,090	31.7	210	10.1	360	18.8
June . . . . .	140	6.4	190	8.2	300	8.9	1,020	30.6	200	10.0	340	18.3
July . . . . .	60	*2.6	150	6.3	360	10.3	1,010	29.3	210	10.1	370	19.3
August . . . . .	100	*4.4	180	7.5	400	11.5	1,210	35.0	190	9.2	380	19.8
September . . . . .	110	5.0	160	6.9	320	9.5	1,360	40.6	170	8.5	380	20.5
October . . . . .	120	5.3	150	6.3	400	11.4	1,120	32.3	280	13.5	430	22.4
November . . . . .	100	*4.5	180	7.7	380	11.2	890	26.5	310	15.4	450	24.2
December . . . . .	50	*2.2	120	5.0	390	11.1	970	27.9	160	7.7	510	26.5

NOTES: Data in this table are for figures 55–60. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for November 1990, volume 39, number 11.



**Table 11. Estimated number of deaths and death rates for Motor vehicle accidents, Homicide and legal intervention, and Suicide, for persons 15–24 years of age, by sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	Motor vehicle accidents				Homicide and legal intervention				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	240	13.5	850	46.9	80	*4.5	320	17.6	60	*3.4	390	21.5
February . . . . .	200	12.4	780	47.6	70	*4.3	450	27.5	70	*4.3	350	21.4
March . . . . .	410	23.0	1,070	59.0	110	6.2	480	26.4	50	*2.8	360	19.8
April . . . . .	320	18.5	1,180	67.1	70	*4.0	380	21.6	100	*5.8	330	18.8
May . . . . .	380	21.2	1,250	68.7	70	*3.9	380	20.9	80	*4.5	290	15.9
June . . . . .	300	17.3	1,420	80.6	30	*1.7	280	15.9	50	*2.9	300	17.0
July . . . . .	370	20.7	1,180	64.9	60	*3.4	430	23.6	60	*3.4	260	14.3
August . . . . .	280	15.7	1,380	76.2	70	*3.9	420	23.2	70	*3.9	230	12.7
September . . . . .	420	24.4	1,230	70.1	90	*5.2	460	26.2	40	*2.3	350	20.0
October . . . . .	390	21.9	1,220	67.3	120	6.7	420	23.1	50	*2.8	360	19.8
November . . . . .	310	17.9	1,040	59.2	110	6.4	580	33.0	70	*4.1	280	15.9
December . . . . .	350	19.6	1,220	67.1	110	6.1	360	19.8	50	*2.8	290	16.0
<b>1980:</b>												
January . . . . .	220	12.3	1,060	58.4	110	6.2	600	33.1	30	*1.7	330	18.2
February . . . . .	300	18.0	880	51.8	60	*3.6	270	15.9	80	*4.8	290	17.1
March . . . . .	270	15.1	910	50.1	90	*5.0	470	25.9	70	*3.9	270	14.9
April . . . . .	350	20.2	850	48.3	110	6.4	340	19.3	60	*3.5	320	18.2
May . . . . .	300	16.8	1,320	72.5	80	*4.5	480	26.4	70	*3.9	340	18.7
June . . . . .	370	21.3	1,340	75.9	130	7.5	440	24.9	70	*4.0	320	18.1
July . . . . .	360	20.2	1,410	77.7	110	6.2	540	29.8	100	*5.6	300	16.5
August . . . . .	310	17.5	1,550	86.0	50	*2.8	670	37.2	120	6.8	400	22.2
September . . . . .	330	19.3	1,360	77.9	150	8.7	440	25.2	90	*5.2	290	16.6
October . . . . .	410	23.1	1,300	72.0	110	6.2	380	21.0	40	*2.3	440	24.4
November . . . . .	320	18.6	990	56.6	90	*5.2	370	21.1	30	*1.7	390	22.3
December . . . . .	290	16.3	1,100	60.8	170	9.6	410	22.7	110	6.2	400	22.1
<b>1981:</b>												
January . . . . .	320	18.0	850	46.8	130	7.3	420	23.1	60	*3.4	390	21.5
February . . . . .	160	9.9	1,010	61.5	110	6.8	550	33.5	60	*3.7	450	27.4
March . . . . .	300	16.8	800	44.0	100	*5.6	350	19.3	30	*1.7	470	25.8
April . . . . .	340	19.7	970	55.1	130	7.5	320	18.2	40	*2.3	260	14.8
May . . . . .	320	17.9	1,210	66.4	130	7.3	410	22.5	60	*3.4	330	18.1
June . . . . .	280	16.2	1,090	61.8	150	8.7	450	25.5	90	*5.2	320	18.1
July . . . . .	470	26.6	1,280	70.8	130	7.3	350	19.4	130	7.3	400	22.1
August . . . . .	450	25.7	1,310	73.2	90	*5.1	430	24.0	40	*2.3	240	13.4
September . . . . .	240	14.1	1,010	58.3	100	*5.9	450	26.0	110	6.5	270	15.6
October . . . . .	470	26.8	950	53.0	180	10.3	400	22.3	30	*1.7	270	15.1
November . . . . .	310	18.2	1,080	62.2	110	6.5	350	20.1	110	6.5	430	24.8
December . . . . .	300	17.1	930	51.8	60	*3.4	320	17.8	70	*4.0	440	24.5
<b>1982:</b>												
January . . . . .	190	10.8	690	38.4	100	*5.7	360	20.0	50	*2.8	290	16.1
February . . . . .	220	13.8	650	40.0	130	8.2	430	26.5	80	*5.0	320	19.7
March . . . . .	310	17.6	700	38.9	90	*5.1	340	18.9	100	*5.7	410	22.8
April . . . . .	290	17.0	890	51.1	60	*3.5	410	23.5	80	*4.7	410	23.5
May . . . . .	270	15.3	970	53.8	110	6.2	310	17.2	110	6.2	320	17.8
June . . . . .	300	17.6	990	56.7	110	6.4	320	18.3	50	*2.9	400	22.9
July . . . . .	350	20.1	1,160	65.0	90	*5.1	450	25.2	40	*2.3	330	18.5
August . . . . .	360	20.9	1,100	62.5	110	6.4	390	22.2	140	8.1	240	13.6
September . . . . .	340	20.4	980	57.5	70	*4.2	390	22.9	110	6.6	330	19.4
October . . . . .	290	16.8	1,190	67.5	80	*4.6	420	23.8	20	*1.2	330	18.7
November . . . . .	210	12.6	1,050	61.5	130	7.8	340	19.9	50	*3.0	320	18.7
December . . . . .	390	22.6	870	49.3	110	6.4	410	23.2	110	6.4	360	20.4
<b>1983:</b>												
January . . . . .	310	17.9	630	35.7	50	*2.9	380	21.5	80	*4.6	380	21.5
February . . . . .	230	14.7	550	34.4	30	*1.9	240	15.0	90	*5.7	420	26.3
March . . . . .	200	11.5	830	46.9	90	*5.2	280	15.8	60	*3.5	330	18.7
April . . . . .	300	17.9	720	42.0	70	*4.2	280	16.3	60	*3.6	300	17.5
May . . . . .	260	15.0	910	51.4	90	*5.2	340	19.2	60	*3.4	250	14.1
June . . . . .	250	14.9	1,130	65.9	80	*4.8	300	17.5	50	*3.0	250	14.6
July . . . . .	460	26.8	970	55.6	60	*3.5	330	18.9	60	*3.5	270	15.5
August . . . . .	250	14.8	1,010	58.6	100	*5.9	210	12.2	40	*2.4	250	14.5
September . . . . .	260	15.9	1,130	67.6	110	6.7	360	21.5	80	*4.9	300	17.9
October . . . . .	320	18.9	1,040	60.2	70	*4.1	300	17.4	70	*4.1	340	19.7
November . . . . .	350	21.3	780	46.6	100	*6.1	320	19.1	70	*4.3	340	20.3
December . . . . .	250	14.7	780	45.1	90	*5.3	310	17.9	70	*4.1	350	20.2

See notes at end of table.

**Table 11. Estimated number of deaths and death rates for Motor vehicle accidents, Homicide and legal intervention, and Suicide, for persons 15–24 years of age, by sex, year, and month of occurrence: United States, January 1979–December 1990—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	Motor vehicle accidents				Homicide and legal intervention				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January	240	14.2	590	34.2	80	*4.7	250	14.5	50	*2.9	330	19.1
February	270	17.0	500	30.9	120	7.6	320	19.8	40	*2.5	280	17.3
March	240	14.1	810	46.8	120	7.1	380	22.0	100	*5.9	390	22.6
April	320	19.5	860	51.3	90	*5.5	210	12.5	100	*6.1	430	25.7
May	230	13.5	950	54.9	60	*3.5	340	19.6	30	*1.8	240	13.8
June	220	13.4	1,070	63.8	90	*5.5	320	19.1	100	*6.1	260	15.5
July	390	23.2	1,010	58.9	90	*5.3	230	13.4	90	*5.3	370	21.6
August	280	16.8	1,070	63.1	70	*4.2	440	25.9	60	*3.6	380	22.4
September	330	20.5	1,130	68.8	170	10.5	200	12.2	50	*3.1	300	18.3
October	400	24.0	1,050	61.8	160	9.6	300	17.7	50	*3.0	350	20.6
November	290	17.9	950	57.7	100	*6.2	270	16.4	50	*3.1	250	15.2
December	270	16.2	810	47.6	90	*5.4	230	13.5	120	7.2	270	15.9
<b>1985:</b>												
January	240	14.3	700	41.0	60	*3.6	330	19.3	70	*4.2	230	13.5
February	170	11.2	560	36.3	70	*4.6	230	14.9	60	*3.9	360	23.3
March	160	9.5	630	36.8	90	*5.4	320	18.7	60	*3.6	440	25.7
April	260	16.0	770	46.5	60	*3.7	290	17.5	60	*3.7	440	26.6
May	430	25.6	1,070	62.5	140	8.3	240	14.0	70	*4.2	350	20.4
June	390	23.9	910	54.9	60	*3.7	290	17.5	70	*4.3	240	14.5
July	330	19.8	1,060	62.5	120	7.2	370	21.8	30	*1.8	430	25.4
August	390	23.7	1,170	69.7	120	7.3	350	20.9	50	*3.0	210	12.5
September	230	14.4	1,130	69.5	90	*5.6	290	17.8	70	*4.4	260	16.0
October	210	12.7	820	48.8	80	*4.9	300	17.8	20	*1.2	270	16.0
November	260	16.3	770	47.3	40	*2.5	250	15.3	50	*3.1	340	20.9
December	260	15.7	610	36.2	70	*4.2	300	17.8	30	*1.8	370	22.0
<b>1986:</b>												
January	270	16.3	690	40.9	140	8.5	390	23.1	20	*1.2	420	24.9
February	140	9.4	570	37.4	70	*4.7	280	18.4	110	7.4	330	21.7
March	250	15.1	730	43.2	110	6.6	260	15.4	110	6.6	340	20.1
April	280	17.5	760	46.5	80	*5.0	290	17.7	80	*5.0	370	22.6
May	380	22.9	1,060	62.7	60	*3.6	310	18.3	70	*4.2	370	21.9
June	330	20.5	1,220	74.5	60	*3.7	480	29.3	50	*3.1	370	22.6
July	500	30.5	1,150	68.7	70	*4.3	490	29.3	90	*5.5	310	18.5
August	370	22.9	1,070	64.8	120	7.4	490	29.7	100	*6.2	200	12.1
September	400	25.5	1,010	63.1	130	8.3	310	19.4	70	*4.5	370	23.1
October	390	24.1	960	58.0	40	*2.5	430	26.0	50	*3.1	250	15.1
November	290	18.5	860	53.7	80	*5.1	390	24.3	100	*6.4	300	18.7
December	280	17.2	1,000	60.4	80	*4.9	280	16.9	50	*3.1	220	13.3
<b>1987:</b>												
January	260	16.0	650	39.2	40	*2.5	270	16.3	80	*4.9	300	18.1
February	250	17.0	640	42.7	70	*4.8	280	18.7	120	8.2	380	25.4
March	310	19.1	760	45.8	50	*3.1	310	18.7	60	*3.7	370	22.3
April	290	18.4	700	43.5	70	*4.4	260	16.2	70	*4.4	350	21.8
May	270	16.6	940	56.6	60	*3.7	390	23.5	50	*3.1	360	21.7
June	310	19.7	830	51.6	50	*3.2	430	26.7	50	*3.2	210	13.0
July	340	21.1	1,120	68.2	100	*6.2	330	20.1	60	*3.7	320	19.5
August	390	24.2	1,230	74.9	60	*3.7	420	25.6	40	*2.5	260	15.8
September	240	15.4	1,010	63.5	70	*4.5	290	18.2	150	9.6	280	17.6
October	350	21.7	1,100	66.8	80	*5.0	340	20.7	70	*4.3	250	15.2
November	350	22.4	800	50.2	110	7.0	240	15.1	60	*3.8	340	21.3
December	240	14.9	670	40.6	50	*3.1	380	23.0	60	*3.7	370	22.4
<b>1988:</b>												
January	300	18.9	740	45.7	40	*2.5	430	26.6	60	*3.8	350	21.6
February	180	12.2	650	43.0	120	8.1	450	29.8	40	*2.7	310	20.5
March	300	19.0	690	42.8	120	7.6	290	18.0	90	*5.7	360	22.3
April	360	23.6	780	50.1	80	*5.2	350	22.5	70	*4.6	380	24.4
May	410	26.1	1,030	64.1	80	*5.1	280	17.4	80	*5.1	320	19.9
June	330	21.7	970	62.5	70	*4.6	380	24.5	50	*3.3	210	13.5
July	360	23.0	880	55.0	160	10.2	370	23.1	90	*5.7	300	18.7
August	320	20.5	1,310	82.1	120	7.7	520	32.6	60	*3.8	300	18.8
September	350	23.2	880	57.1	70	*4.6	270	17.5	90	*6.0	240	15.6
October	360	23.1	890	56.0	60	*3.8	350	22.0	50	*3.2	280	17.6
November	430	28.6	830	54.0	70	*4.6	350	22.8	70	*4.6	350	22.8
December	310	20.0	760	48.0	50	*3.2	410	25.9	70	*4.5	360	22.7

See notes at end of table.

**Table 11. Estimated number of deaths and death rates for Motor vehicle accidents, Homicide and legal intervention, and Suicide, for persons 15–24 years of age, by sex, year, and month of occurrence: United States, January 1979–December 1990—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	Motor vehicle accidents				Homicide and legal intervention				Suicide			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	270	17.4	690	43.5	50	*3.2	400	25.2	100	*6.4	430	27.1
February . . . . .	310	22.1	580	40.6	50	*3.6	320	22.4	30	*2.1	310	21.7
March . . . . .	210	13.6	730	46.2	110	7.1	410	26.0	80	*5.2	350	22.1
April . . . . .	350	23.4	680	44.6	70	*4.7	300	19.7	120	8.0	290	19.0
May . . . . .	300	19.5	700	44.5	150	9.7	370	23.5	80	*5.2	350	22.2
June . . . . .	350	23.5	740	48.7	100	*6.7	340	22.4	100	*6.7	330	21.7
July . . . . .	380	24.8	890	56.8	90	*5.9	430	27.4	60	*3.9	270	17.2
August . . . . .	270	17.6	1,120	71.5	80	*5.2	500	31.9	100	*6.5	340	21.7
September . . . . .	270	18.2	850	56.1	90	*6.1	450	29.7	20	*1.4	250	16.5
October . . . . .	250	16.4	830	53.1	80	*5.2	400	25.6	80	*5.2	260	16.6
November . . . . .	260	17.6	790	52.3	60	*4.1	390	25.8	60	*4.1	340	22.5
December . . . . .	300	19.7	810	52.0	90	*5.9	470	30.2	30	*2.0	420	27.0
<b>1990:</b>												
January . . . . .	240	15.8	530	34.1	120	7.9	510	32.8	60	*3.9	320	20.6
February . . . . .	250	18.2	600	42.8	60	*4.4	360	25.7	50	*3.6	300	21.4
March . . . . .	320	21.1	810	52.2	120	7.9	410	26.4	30	*2.0	310	20.0
April . . . . .	310	21.2	620	41.3	70	*4.8	530	35.3	110	7.5	250	16.7
May . . . . .	280	18.5	840	54.3	80	*5.3	580	37.5	60	*4.0	440	28.4
June . . . . .	270	18.5	690	46.1	60	*4.1	510	34.1	60	*4.1	280	18.7
July . . . . .	380	25.2	910	59.0	80	*5.3	620	40.2	70	*4.6	310	20.1
August . . . . .	320	21.3	990	64.2	170	11.3	580	37.6	40	*2.6	510	33.1
September . . . . .	340	23.4	870	58.4	130	8.9	610	41.0	20	*1.4	380	25.5
October . . . . .	210	14.0	740	48.1	140	9.3	360	23.4	20	*1.3	350	22.7
November . . . . .	220	15.1	930	62.5	90	*6.2	390	26.2	60	*4.1	300	20.2
December . . . . .	190	12.7	720	46.9	90	*6.0	560	36.5	20	*1.3	330	21.5

NOTES: Data in this table are for figures 81–86. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for December 1990, volume 39, number 12.

**Table 12. Estimated number of deaths and death rates for Human immunodeficiency virus infection; Symptoms, signs, and ill-defined conditions; and Septicemia, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990**

[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	Human immunodeficiency virus infection 25–44 years				Symptoms, signs, and ill-defined conditions 25–44 years				Septicemia 65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1979:</b>												
January . . . . .	---	---	---	---	170	6.6	280	11.1	70	*9.6	80	*14.3
February . . . . .	---	---	---	---	160	6.8	300	13.2	60	*9.1	70	*13.9
March . . . . .	---	---	---	---	120	4.6	200	7.9	80	*10.9	90	*16.1
April . . . . .	---	---	---	---	120	4.8	260	10.6	50	*7.1	90	*16.6
May . . . . .	---	---	---	---	90	*3.5	190	7.5	40	*5.5	50	*8.9
June . . . . .	---	---	---	---	80	*3.2	230	9.4	60	*8.4	60	*11.0
July . . . . .	---	---	---	---	120	4.6	270	10.5	70	*9.5	60	*10.6
August . . . . .	---	---	---	---	50	*1.9	290	11.2	80	*10.8	80	*14.1
September . . . . .	---	---	---	---	110	4.3	290	11.5	90	*12.5	80	*14.5
October . . . . .	---	---	---	---	100	*3.7	240	9.2	120	16.1	60	*10.5
November . . . . .	---	---	---	---	160	6.2	260	10.3	120	16.7	50	*9.1
December . . . . .	---	---	---	---	160	6.0	250	9.6	140	18.8	170	29.8
<b>1980:</b>												
January . . . . .	---	---	---	---	130	4.9	180	6.9	80	*10.8	140	24.6
February . . . . .	---	---	---	---	110	4.4	220	9.0	90	*12.9	110	20.6
March . . . . .	---	---	---	---	190	7.1	280	10.7	110	14.8	70	*12.3
April . . . . .	---	---	---	---	100	*3.9	280	11.1	80	*11.1	110	19.9
May . . . . .	---	---	---	---	90	*3.4	320	12.3	70	*9.4	100	*17.5
June . . . . .	---	---	---	---	160	6.2	380	15.0	30	*4.1	90	*16.3
July . . . . .	---	---	---	---	220	8.1	300	11.3	70	*9.3	130	22.6
August . . . . .	---	---	---	---	70	*2.6	330	12.3	60	*8.0	70	*12.1
September . . . . .	---	---	---	---	80	*3.0	370	14.2	100	*13.7	60	*10.7
October . . . . .	---	---	---	---	190	6.9	310	11.5	60	*7.9	130	22.4
November . . . . .	---	---	---	---	90	*3.4	260	10.0	70	*9.6	90	*16.0
December . . . . .	---	---	---	---	220	8.0	230	8.5	70	*9.2	100	*17.2
<b>1981:</b>												
January . . . . .	---	---	---	---	180	6.5	310	11.5	70	*9.2	140	24.1
February . . . . .	---	---	---	---	180	7.2	310	12.7	90	*13.1	90	*17.1
March . . . . .	---	---	---	---	110	4.0	400	14.8	70	*9.2	130	22.3
April . . . . .	---	---	---	---	130	4.8	300	11.4	60	*8.1	110	19.5
May . . . . .	---	---	---	---	140	5.0	280	10.3	90	*11.8	110	18.8
June . . . . .	---	---	---	---	120	4.5	290	11.0	30	*4.1	60	*10.6
July . . . . .	---	---	---	---	110	3.9	250	9.1	120	15.7	40	*6.8
August . . . . .	---	---	---	---	210	7.4	290	10.4	160	20.9	80	*13.6
September . . . . .	---	---	---	---	140	5.1	250	9.3	110	14.8	120	21.1
October . . . . .	---	---	---	---	190	6.7	230	8.3	40	*5.2	110	18.7
November . . . . .	---	---	---	---	110	4.0	270	10.0	140	18.8	130	22.8
December . . . . .	---	---	---	---	190	6.7	270	9.7	30	*3.9	110	18.6
<b>1982:</b>												
January . . . . .	---	---	---	---	150	5.3	220	7.9	110	14.3	100	*16.9
February . . . . .	---	---	---	---	110	4.3	310	12.3	120	17.2	130	24.3
March . . . . .	---	---	---	---	140	4.9	370	13.2	80	*10.4	80	*13.5
April . . . . .	---	---	---	---	190	6.9	350	12.9	60	*8.0	140	24.4
May . . . . .	---	---	---	---	120	4.2	290	10.4	40	*5.2	70	*11.8
June . . . . .	---	---	---	---	150	5.4	250	9.2	90	*12.0	70	*12.2
July . . . . .	---	---	---	---	140	4.8	360	12.7	50	*6.4	150	25.2
August . . . . .	---	---	---	---	160	5.5	330	11.5	150	19.2	100	*16.6
September . . . . .	---	---	---	---	110	3.9	290	10.4	120	15.9	120	20.6
October . . . . .	---	---	---	---	150	5.1	230	8.0	140	17.9	140	23.2
November . . . . .	---	---	---	---	160	5.6	270	9.7	150	19.8	220	37.7
December . . . . .	---	---	---	---	180	6.1	380	13.2	130	16.6	90	*14.9
<b>1983:</b>												
January . . . . .	---	---	---	---	90	*3.0	360	12.5	70	*8.9	120	19.9
February . . . . .	---	---	---	---	30	*1.1	320	12.3	60	*8.5	100	*18.3
March . . . . .	---	---	---	---	180	6.1	300	10.4	110	14.0	120	19.9
April . . . . .	---	---	---	---	70	*2.4	250	8.9	150	19.7	180	30.7
May . . . . .	---	---	---	---	160	5.4	250	8.7	70	*8.9	90	*14.9
June . . . . .	---	---	---	---	50	*1.7	260	9.3	100	*13.1	150	25.6
July . . . . .	---	---	---	---	130	4.3	250	8.5	90	*11.4	110	18.0
August . . . . .	---	---	---	---	200	6.6	330	11.2	180	22.7	140	22.8
September . . . . .	---	---	---	---	70	*2.4	340	11.9	90	*11.7	150	25.2
October . . . . .	---	---	---	---	110	3.6	320	10.8	90	*11.4	120	19.5
November . . . . .	---	---	---	---	140	4.8	220	7.7	130	16.9	110	18.5
December . . . . .	---	---	---	---	150	4.9	250	8.4	90	*11.3	150	24.3

See notes at end of table.

**Table 12. Estimated number of deaths and death rates for Human immunodeficiency virus infection; Symptoms, signs, and ill-defined conditions; and Septicemia, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	Human immunodeficiency virus infection 25–44 years				Symptoms, signs, and ill-defined conditions 25–44 years				Septicemia 65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1984:</b>												
January . . . . .	---	---	---	---	200	6.6	300	10.1	90	*11.4	160	26.0
February . . . . .	---	---	---	---	120	4.2	240	8.6	140	18.9	130	22.6
March . . . . .	---	---	---	---	110	3.6	270	9.1	170	21.4	220	35.7
April . . . . .	---	---	---	---	140	4.8	270	9.4	80	*10.4	230	38.6
May . . . . .	---	---	---	---	110	3.6	350	11.8	90	*11.3	80	*13.0
June . . . . .	---	---	---	---	150	5.1	370	12.8	90	*11.7	100	*16.7
July . . . . .	---	---	---	---	100	*3.3	340	11.3	100	*12.6	120	19.3
August . . . . .	---	---	---	---	90	*2.9	310	10.2	130	16.3	150	24.0
September . . . . .	---	---	---	---	200	6.7	350	11.9	130	16.8	150	24.8
October . . . . .	---	---	---	---	100	*3.2	340	11.1	170	21.2	130	20.8
November . . . . .	---	---	---	---	130	4.3	220	7.4	140	18.1	150	24.8
December . . . . .	---	---	---	---	140	4.5	390	12.8	170	21.2	180	28.7
<b>1985:</b>												
January . . . . .	---	---	---	---	140	4.5	320	10.4	110	13.7	220	35.0
February . . . . .	---	---	---	---	110	3.9	460	16.6	190	26.1	170	29.9
March . . . . .	---	---	---	---	100	*3.2	290	9.4	180	22.3	140	22.2
April . . . . .	---	---	---	---	190	6.3	400	13.4	120	15.4	230	37.7
May . . . . .	---	---	---	---	150	4.8	300	9.7	160	19.8	160	25.4
June . . . . .	---	---	---	---	100	*3.3	410	13.8	90	*11.5	150	24.6
July . . . . .	---	---	---	---	130	4.1	420	13.5	130	16.1	160	25.2
August . . . . .	---	---	---	---	200	6.3	310	9.9	110	13.5	230	36.0
September . . . . .	---	---	---	---	190	6.1	410	13.5	150	19.0	170	27.4
October . . . . .	---	---	---	---	130	4.1	450	14.3	130	16.0	170	26.5
November . . . . .	---	---	---	---	170	5.5	280	9.2	140	17.7	190	30.6
December . . . . .	---	---	---	---	160	5.0	390	12.4	90	*11.0	180	28.0
<b>1986:</b>												
January . . . . .	---	---	---	---	160	5.0	320	10.1	190	23.3	220	34.3
February . . . . .	---	---	---	---	150	5.2	370	13.0	200	27.1	230	39.6
March . . . . .	---	---	---	---	150	4.7	500	15.8	160	19.6	190	29.5
April . . . . .	---	---	---	---	160	5.1	320	10.5	80	*10.1	150	24.1
May . . . . .	---	---	---	---	110	3.4	540	17.1	210	25.6	160	24.8
June . . . . .	---	---	---	---	160	5.1	400	13.0	150	18.9	90	*14.4
July . . . . .	---	---	---	---	130	4.0	430	13.4	210	25.5	190	29.2
August . . . . .	---	---	---	---	210	6.4	470	14.6	90	*10.9	180	27.5
September . . . . .	---	---	---	---	220	6.9	370	11.8	160	20.0	180	28.4
October . . . . .	---	---	---	---	170	5.2	500	15.5	160	19.3	190	29.0
November . . . . .	---	---	---	---	120	3.8	570	18.2	130	16.2	180	28.3
December . . . . .	---	---	---	---	180	5.5	580	17.9	170	20.5	160	24.4
<b>1987:</b>												
January . . . . .	120	3.6	680	21.0	140	4.3	360	11.1	170	20.5	280	42.6
February . . . . .	70	*2.4	610	20.8	140	4.7	360	12.3	140	18.7	190	32.0
March . . . . .	40	*1.2	620	19.1	270	8.2	280	8.6	200	24.1	210	31.9
April . . . . .	110	3.5	760	24.2	200	6.3	320	10.2	150	18.7	170	26.7
May . . . . .	50	*1.5	680	20.9	140	4.3	410	12.6	200	24.1	240	36.4
June . . . . .	40	*1.3	770	24.5	180	5.6	480	15.3	180	22.4	200	31.3
July . . . . .	100	*3.0	740	22.6	220	6.6	670	20.4	150	17.9	210	31.6
August . . . . .	60	*1.8	710	21.6	190	5.7	490	14.9	140	16.7	140	21.0
September . . . . .	80	*2.5	760	23.9	180	5.6	650	20.5	170	21.0	180	27.9
October . . . . .	90	*2.7	680	20.7	180	5.4	370	11.3	170	20.3	120	18.0
November . . . . .	120	3.7	720	22.6	180	5.6	430	13.5	190	23.4	210	32.5
December . . . . .	70	*2.1	880	26.7	210	6.3	410	12.5	200	23.8	200	30.0
<b>1988:</b>												
January . . . . .	110	3.3	610	18.5	190	5.7	450	13.6	140	16.7	200	29.9
February . . . . .	110	3.5	720	23.3	270	8.6	370	12.0	260	33.1	180	28.8
March . . . . .	110	3.3	900	27.2	210	6.3	500	15.1	230	27.4	240	35.8
April . . . . .	150	4.6	1,000	31.2	220	6.8	500	15.6	170	20.9	200	30.8
May . . . . .	100	*3.0	760	22.9	90	*2.7	500	15.1	130	15.4	140	20.9
June . . . . .	80	*2.5	890	27.7	140	4.3	470	14.6	170	20.8	210	32.3
July . . . . .	120	3.6	930	28.0	190	5.7	550	16.5	140	16.6	100	*14.9
August . . . . .	120	3.6	950	28.5	200	5.9	550	16.5	110	13.0	90	*13.4
September . . . . .	120	3.7	930	28.8	270	8.3	590	18.3	90	*11.0	200	30.6
October . . . . .	80	*2.4	1,140	34.1	290	8.6	510	15.3	170	20.1	240	35.5
November . . . . .	70	*2.1	820	25.3	210	6.4	430	13.3	220	26.8	180	27.5
December . . . . .	150	4.4	810	24.2	120	3.5	420	12.5	170	20.0	220	32.5

See notes at end of table.

**Table 12. Estimated number of deaths and death rates for Human immunodeficiency virus infection; Symptoms, signs, and ill-defined conditions; and Septicemia, by specified age, sex, year, and month of occurrence: United States, January 1979–December 1990—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	Human immunodeficiency virus infection 25–44 years				Symptoms, signs, and ill-defined conditions 25–44 years				Septicemia 65–74 years			
	Female		Male		Female		Male		Female		Male	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
<b>1989:</b>												
January . . . . .	150	4.4	1,130	33.6	250	7.3	550	16.3	120	14.1	150	22.0
February . . . . .	90	*2.9	1,100	36.1	180	5.8	530	17.4	170	22.1	170	27.6
March . . . . .	170	5.0	1,170	34.7	190	5.6	450	13.3	160	18.8	230	33.7
April . . . . .	140	4.2	1,080	33.0	190	5.7	500	15.3	110	13.3	150	22.7
May . . . . .	120	3.5	1,130	33.4	180	5.3	540	16.0	120	14.0	150	21.9
June . . . . .	120	3.6	1,150	35.1	190	5.7	400	12.2	90	*10.9	120	18.1
July . . . . .	90	*2.6	1,430	42.1	210	6.1	480	14.1	110	12.8	210	30.6
August . . . . .	140	4.1	1,030	30.3	110	3.2	520	15.3	170	19.8	170	24.7
September . . . . .	150	4.5	1,140	34.6	250	7.5	630	19.1	120	14.4	310	46.5
October . . . . .	190	5.5	1,410	41.4	230	6.7	640	18.8	130	15.1	100	14.5
November . . . . .	170	5.1	1,170	35.4	260	7.8	430	13.0	130	15.6	190	28.4
December . . . . .	140	4.1	1,390	40.7	170	4.9	610	17.8	170	19.7	160	23.1
<b>1990:</b>												
January . . . . .	160	4.6	1,460	42.6	260	7.5	490	14.3	150	17.4	250	36.0
February . . . . .	170	5.4	1,260	40.7	190	6.1	390	12.6	200	25.7	210	33.5
March . . . . .	180	5.2	1,320	38.5	230	6.6	540	15.7	140	16.2	230	33.1
April . . . . .	130	3.9	1,270	38.2	130	3.9	440	13.2	170	20.3	180	26.7
May . . . . .	160	4.6	1,480	43.0	130	3.7	430	12.5	160	18.5	130	18.7
June . . . . .	210	6.2	1,330	39.9	250	7.4	450	13.5	140	16.7	120	17.8
July . . . . .	200	5.7	1,350	39.1	160	4.6	370	10.7	90	*10.4	130	18.6
August . . . . .	220	6.3	1,120	32.4	150	4.3	530	15.3	160	18.4	150	21.4
September . . . . .	190	5.6	1,180	35.3	170	5.0	410	12.3	150	17.8	150	22.1
October . . . . .	220	6.3	1,330	38.4	210	6.0	380	11.0	160	18.4	200	28.5
November . . . . .	140	4.1	1,170	34.9	140	4.1	430	12.8	150	17.8	110	16.2
December . . . . .	240	6.9	1,640	47.2	190	5.4	540	15.6	160	18.4	140	19.9

NOTES: Data in this table are for figures 67–72. These figures were published in the *Monthly Vital Statistics Report* on births, marriages, divorces, and deaths for January 1991, volume 40, number 1.

**Table 13. Selected statistics and model parameters for the second year's topics from the Mortality Surveillance System, *Monthly Vital Statistics Report*, volume 39, number 2—volume 40, number 1: United States, January 1979—December 1989**

[Rates on an annual basis per 100,000 estimated population in specified group. Sample size is based on the sum of the sample sizes for all of the months for each of the years 1979–90 divided by 144; for HIV infection, sample size is based on the sum of the sample sizes for all of the months for each of the years 1987–90 divided by 48]

<i>Volume 39, Number 2 February 1990</i>	<i>Infant mortality</i>	<i>Neonatal mortality</i>	<i>Postneonatal mortality</i>	<i>Congenital anomalies under 1 year</i>	<i>Sudden infant death syndrome under 1 year</i>	<i>Respiratory distress syndrome under 1 year</i>
Final 1987 mortality rate <sup>1</sup> . . . . .	10.1	6.5	3.6	207.0	137.3	86.2
Average monthly sample size . . .	339	222	117	71	41	32
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	1,352.0050(0.0001)	908.0619(0.0001)	443.6749(0.0001)	267.0522(0.0001)	146.9816(0.0001)	162.4930(0.0001)
t ( <i>p</i> -value) . . . . .	-6.4195(0.0001)	-4.4151(0.0001)	-2.0040(0.0001)	-0.7472(0.0308)	-0.2603(0.3061)	-1.5961(0.0001)
t <sup>2</sup> ( <i>p</i> -value) . . . . .	0.0310(0.0001)	0.0189(0.0001)	0.0121(0.0025)	0.0022(0.4816)	0.0011(0.6464)	0.0090(0.0001)
C ( <i>p</i> -value) . . . . .	61.8438(0.0001)	-25.4901(0.0001)	87.0149(0.0001)	( <sup>2</sup> )	40.9752(0.0001)	( <sup>2</sup> )
S ( <i>p</i> -value) . . . . .	27.8026(0.0001)	0.1916(0.9724)	27.5092(0.0001)	( <sup>2</sup> )	13.8325(0.0001)	( <sup>2</sup> )
Adjusted R <sup>2</sup> . . . . .	0.8672	0.7880	0.7971	0.2420	0.6932	0.5794

<i>Volume 39, Number 3 March 1990</i>	<i>Diseases of heart</i>					
	<i>25–44 years</i>		<i>45–64 years</i>		<i>65–74 years</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>
Final 1987 death rate . . . . .	10.5	30.5	154.0	398.3	705.3	1,388.6
Average monthly sample size . . .	32	91	314	782	578	923
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	11.5006(0.0001)	34.5450(0.0001)	170.8958(0.0001)	509.3955(0.0001)	792.6197(0.0001)	1,693.9410(0.0001)
t ( <i>p</i> -value) . . . . .	-0.0116(0.6377)	-0.0307(0.4904)	0.2324(0.1159)	-0.3678(0.1842)	0.3863(0.4296)	0.0207(0.9813)
t <sup>2</sup> ( <i>p</i> -value) . . . . .	0.0000(0.9606)	-0.0002(0.6230)	-0.0042(0.0019)	-0.0072(0.0047)	-0.0124(0.0058)	-0.0297(0.0003)
C ( <i>p</i> -value) . . . . .	0.0858(0.7542)	1.0181(0.0417)	8.2745(0.0001)	25.6134(0.0001)	67.0378(0.0001)	128.5068(0.0001)
S ( <i>p</i> -value) . . . . .	0.1408(0.6085)	1.5603(0.0021)	5.3895(0.0013)	19.3215(0.0001)	41.8236(0.0001)	79.6878(0.0001)
Adjusted R <sup>2</sup> . . . . .	0.0078	0.2460	0.4364	0.7916	0.7301	0.8179

<i>Volume 39, Number 4 April 1990</i>	<i>Chronic obstructive pulmonary diseases and allied conditions</i>				<i>Chronic liver disease and cirrhosis</i>	
	<i>45–64 years</i>		<i>65–74 years</i>		<i>45–64 years</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>
Final 1987 death rate . . . . .	22.7	33.3	102.0	200.2	15.2	37.4
Average monthly sample size . . .	41	61	71	127	35	74
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	14.8642(0.0001)	32.0258(0.0001)	52.0924(0.0001)	190.4167(0.0001)	23.3442(0.0001)	52.2717(0.0001)
t ( <i>p</i> -value) . . . . .	0.1171(0.0008)	0.1155(0.0391)	0.6470(0.0001)	0.7942(0.0003)	-0.0662(0.0619)	-0.1960(0.0003)
t <sup>2</sup> ( <i>p</i> -value) . . . . .	-0.0004(0.2005)	-0.0009(0.0385)	-0.0012(0.2575)	-0.0063(0.0003)	-0.0001(0.7031)	0.0004(0.3389)
C ( <i>p</i> -value) . . . . .	2.2014(0.0001)	3.3477(0.0001)	11.4210(0.0001)	16.1593(0.0001)	1.4549(0.0012)	1.1972(0.0707)
S ( <i>p</i> -value) . . . . .	2.8467(0.0001)	3.0268(0.0001)	13.4927(0.0001)	24.0323(0.0001)	0.8903(0.0470)	0.0846(0.8989)
Adjusted R <sup>2</sup> . . . . .	0.5311	0.2561	0.7404	0.5035	0.4344	0.5052

<i>Volume 39, Number 5 May 1990</i>	<i>Cerebrovascular diseases</i>					
	<i>45–64 years</i>		<i>65–74 years</i>		<i>75–84 years</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>
Final 1987 death rate . . . . .	31.8	39.9	140.6	178.1	533.1	612.0
Average monthly sample size . . .	68	78	123	126	265	185
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	40.0696(0.0001)	53.1699(0.0001)	198.4530(0.0001)	269.2155(0.0001)	744.4157(0.0001)	891.1667(0.0001)
t ( <i>p</i> -value) . . . . .	-0.0474(0.3275)	-0.1420(0.0120)	-0.8087(0.0001)	-0.8803(0.0001)	-2.7308(0.0001)	-3.6818(0.0001)
t <sup>2</sup> ( <i>p</i> -value) . . . . .	0.0003(0.4236)	0.0000(0.9375)	0.0024(0.0307)	-0.0004(0.8281)	0.0056(0.1337)	0.0085(0.0756)
C ( <i>p</i> -value) . . . . .	1.9869(0.0014)	3.2828(0.0001)	12.2885(0.0001)	22.1026(0.0001)	59.4615(0.0001)	62.1767(0.0001)
S ( <i>p</i> -value) . . . . .	0.9859(0.1094)	2.2873(0.0016)	3.3027(0.0676)	8.7703(0.0022)	28.4741(0.0001)	41.2887(0.0001)
Adjusted R <sup>2</sup> . . . . .	0.3248	0.5093	0.6799	0.7394	0.7818	0.7703

**Table 13. Selected statistics and model parameters for the second year's topics from the Mortality Surveillance System, *Monthly Vital Statistics Report*, volume 39, number 2—volume 40, number 1: United States, January–December 1989—Con.**

[Rates on an annual basis per 100,000 estimated population in specified group. Sample size is based on the sum of the sample sizes for all of the months for each of the years 1979–90 divided by 144; for HIV infection, sample size is based on the sum of the sample sizes for all of the months for each of the years 1987–90 divided by 48]

<i>Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues</i>						
<i>Volume 39, Number 6 June 1990</i>	<i>25–44 years</i>		<i>45–64 years</i>		<i>65–74 years</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>
	Final 1987 death rate . . . . .	28.4	23.9	265.7	340.9	652.5
Average monthly sample size . .	88	74	524	613	502	667
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	29.4597(0.0001)	25.3100(0.0001)	254.8545(0.0001)	335.4965(0.0001)	563.0368(0.0001)	1,048.4880(0.0001)
<i>t</i> ( <i>p</i> -value) . . . . .	-0.0171(0.5834)	0.0041(0.8916)	0.5564(0.0001)	0.5656(0.0008)	1.5576(0.0001)	1.3897(0.0045)
<i>t</i> <sup>2</sup> ( <i>p</i> -value) . . . . .	0.0001(0.6304)	-0.0001(0.6326)	-0.0042(0.0001)	-0.0052(0.0001)	-0.0061(0.0169)	-0.0105(0.0069)
<i>C</i> ( <i>p</i> -value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	4.3101(0.0091)	6.9291(0.0011)	10.3767(0.0103)	18.8726(0.0023)
<i>S</i> ( <i>p</i> -value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	1.4247(0.3857)	-0.5776(0.7830)	4.8558(0.2282)	7.2259(0.2379)
Adjusted <i>R</i> <sup>2</sup> . . . . .	-0.0138	-0.0007	0.1473	0.1602	0.4860	0.1058

<i>Malignant neoplasms of colon, rectum, rectosigmoid junction, and anus</i>						
<i>Volume 39, Number 7 July 1990</i>	<i>45–64 years</i>		<i>65–74 years</i>		<i>Females, 45–64 years</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Malignant neoplasm of breast</i>	<i>Malignant neoplasm of trachea, bronchus, and lung</i>
	Final 1987 death rate . . . . .	24.0	32.7	77.8	116.7	62.8
Average monthly sample size . .	48	57	64	74	125	120
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	25.3585(0.0001)	31.6795(0.0001)	89.3412(0.0001)	118.5313(0.0001)	61.2625(0.0001)	49.1640(0.0001)
<i>t</i> ( <i>p</i> -value) . . . . .	0.0374(0.3098)	0.0543(0.1983)	-0.1781(0.0950)	0.2683(0.0621)	0.0852(0.1234)	0.2551(0.0001)
<i>t</i> <sup>2</sup> ( <i>p</i> -value) . . . . .	-0.0005(0.0841)	-0.0005(0.1312)	0.0007(0.3837)	-0.0029(0.0124)	-0.0006(0.1634)	-0.0009(0.0291)
<i>C</i> ( <i>p</i> -value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.7069(0.0125)
<i>S</i> ( <i>p</i> -value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.9247(0.0053)
Adjusted <i>R</i> <sup>2</sup> . . . . .	0.0617	0.0065	0.0744	0.0731	0.0046	0.5024

<i>Diabetes mellitus</i>						
<i>Volume 39, Number 8 August 1990</i>	<i>45–64 years</i>		<i>65–74 years</i>		<i>Females, 65–74 years</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>	<i>Male</i>	<i>Malignant neoplasm of breast</i>	<i>Malignant neoplasm of trachea, bronchus, and lung</i>
	Final 1987 death rate . . . . .	17.0	19.2	59.7	62.8	108.3
Average monthly sample size . .	34	33	49	38	85	106
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	15.9952(0.0001)	17.3457(0.0001)	59.1837(0.0001)	62.4159(0.0001)	97.0856(0.0001)	80.2506(0.0001)
<i>t</i> ( <i>p</i> -value) . . . . .	0.0418(0.1395)	-0.0079(0.8135)	0.0688(0.4630)	-0.1600(0.0934)	0.2413(0.0283)	0.9780(0.0001)
<i>t</i> <sup>2</sup> ( <i>p</i> -value) . . . . .	-0.0003(0.1944)	0.0002(0.5082)	-0.0004(0.5417)	0.0015(0.0396)	-0.0011(0.2144)	-0.0026(0.0167)
<i>C</i> ( <i>p</i> -value) . . . . .	1.2420(0.0008)	1.6770(0.0001)	5.7916(0.0001)	5.4650(0.0001)	( <sup>2</sup> )	( <sup>2</sup> )
<i>S</i> ( <i>p</i> -value) . . . . .	0.7270(0.0457)	-0.0869(0.8387)	3.8847(0.0015)	2.7823(0.0235)	( <sup>2</sup> )	( <sup>2</sup> )
Adjusted <i>R</i> <sup>2</sup> . . . . .	0.1001	0.1080	0.1961	0.1926	0.1122	0.7520

<i>Malignant neoplasms of urinary organs</i>						
<i>Volume 39, Number 9 September 1990</i>	<i>45–74 years</i>		<i>Malignant neoplasm of ovary</i>		<i>Malignant neoplasm of prostate</i>	
	<i>Female</i>	<i>Male</i>	<i>Female</i>		<i>Male</i>	
	<i>Female</i>	<i>Male</i>	<i>45–64 years</i>	<i>65–74 years</i>	<i>45–64 years</i>	<i>65–74 years</i>
Final 1988 death rate . . . . .	9.8	23.4	16.5	39.5	12.9	110.9
Average monthly sample size . .	27	58	34	29	22	67
Estimated coefficients of model parameters:						
Intercept ( <i>p</i> -value) . . . . .	9.3658(0.0001)	24.0420(0.0001)	18.4025(0.0001)	34.0340(0.0001)	10.9108(0.0001)	103.3992(0.0001)
<i>t</i> ( <i>p</i> -value) . . . . .	0.0151(0.3994)	0.0243(0.4415)	-0.0096(0.7646)	0.0156(0.8114)	0.0237(0.3825)	0.0806(0.5846)
<i>t</i> <sup>2</sup> ( <i>p</i> -value) . . . . .	-0.0001(0.5156)	-0.0002(0.3697)	0.0000(0.8857)	0.0002(0.6262)	-0.0001(0.6572)	-0.0003(0.8047)
<i>C</i> ( <i>p</i> -value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<i>S</i> ( <i>p</i> -value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Adjusted <i>R</i> <sup>2</sup> . . . . .	-0.0069	-0.0084	0.0085	0.0478	0.0106	-0.0036



**Table 13. Selected statistics and model parameters for the second year's topics from the Mortality Surveillance System, *Monthly Vital Statistics Report*, volume 39, number 2—volume 40, number 1: United States, January 1979—December 1989—Con.**

[Rates on an annual basis per 100,000 estimated population in specified group. Sample size is based on the sum of the sample sizes for all of the months for each of the years 1979–90 divided by 144; for HIV infection, sample size is based on the sum of the sample sizes for all of the months for each of the years 1987–90 divided by 48]

Volume 39, Number 10 October 1990	<i>Pneumonia and influenza</i>				<i>Malignant neoplasms of trachea, bronchus, and lung</i>	
	25–64 years		65–74 years		Males	
	Female	Male	Female	Male	45–54 years	55–64 years
Final 1988 death rate . . . . .	4.6	8.4	41.8	82.5	62.4	219.6
Average monthly sample size . .	21	38	29	47	63	184
Estimated coefficients of model parameters:						
Intercept (p-value) . . . . .	4.4073(0.0001)	8.2495(0.0001)	30.9196(0.0001)	70.0323(0.0001)	74.9022(0.0001)	207.3733(0.0001)
t (p-value) . . . . .	-0.0078(0.4960)	-0.0087(0.6093)	0.0593(0.4686)	0.0717(0.6116)	-0.0318(0.6896)	0.2117(0.1676)
t <sup>2</sup> (p-value) . . . . .	0.0001(0.5517)	0.0001(0.5908)	0.0003(0.6777)	0.0003(0.7820)	-0.0001(0.2252)	-0.0011(0.3621)
C (p-value) . . . . .	1.2871(0.0001)	1.9842(0.0001)	9.9044(0.0001)	15.9068(0.0001)	( <sup>2</sup> )	( <sup>2</sup> )
S (p-value) . . . . .	0.6686(0.0001)	0.9696(0.0001)	6.7195(0.0001)	9.9243(0.0001)	( <sup>2</sup> )	( <sup>2</sup> )
Adjusted R <sup>2</sup> . . . . .	0.4389	0.4467	0.5473	0.4818	0.2385	0.0222

Volume 39, Number 11 November 1990	<i>Motor vehicle accidents</i>					
	Under 15 years		25–44 years		45–64 years	
	Female	Male	Female	Male	Female	Male
Final 1988 death rate . . . . .	5.6	8.1	10.5	31.6	10.0	22.0
Average monthly sample size . .	12	19	30	96	19	41
Estimated coefficients of model parameters:						
Intercept (p-value) . . . . .	7.4676(0.0001)	10.2812(0.0001)	11.5045(0.0001)	40.8448(0.0001)	10.6157(0.0001)	27.0362(0.0001)
t (p-value) . . . . .	-0.0669(0.0001)	-0.0442(0.0215)	-0.0540(0.0043)	-0.2168(0.0001)	-0.0625(0.0039)	-0.1260(0.0005)
t <sup>2</sup> (p-value) . . . . .	0.0004(0.0008)	0.0002(0.2124)	0.0003(0.0192)	0.0011(0.0005)	0.0005(0.0013)	0.0007(0.0098)
C (p-value) . . . . .	-1.2149(0.0001)	-2.6741(0.0001)	-0.5290(0.0295)	-3.7235(0.0001)	-0.0647(0.8143)	0.3734(0.4147)
S (p-value) . . . . .	-0.3473(0.1064)	-0.3062(0.2209)	-0.7758(0.0018)	-2.2944(0.0001)	-0.7078(0.0123)	-1.7631(0.0002)
Adjusted R <sup>2</sup> . . . . .	0.2911	0.5173	0.1438	0.5318	0.0939	0.2110

Volume 39, Number 12 December 1990	<i>Motor vehicle accidents</i>		<i>Homicide and legal intervention</i>		<i>Suicide</i>	
	15–24 years		15–24 years		15–24 years	
	Female	Male	Female	Male	Female	Male
Final 1988 death rate . . . . .	20.1	56.6	6.0	24.7	4.2	21.9
Average monthly sample size . .	31	93	9	38	7	33
Estimated coefficients of model parameters:						
Intercept (p-value) . . . . .	19.5005(0.0001)	67.0908(0.0001)	5.4825(0.0001)	26.5244(0.0001)	3.9233(0.0001)	18.3771(0.0001)
t (p-value) . . . . .	-0.0862(0.0118)	-0.3447(0.0001)	0.0061(0.7388)	-0.2285(0.0001)	-0.0021(0.8939)	0.0182(0.5717)
t <sup>2</sup> (p-value) . . . . .	0.0009(0.0011)	0.0020(0.0001)	-0.0001(0.5939)	0.0017(0.0001)	0.0001(0.5275)	0.0000(0.8795)
C (p-value) . . . . .	-2.7143(0.0001)	-11.6816(0.0001)	( <sup>2</sup> )	-0.9074(0.0946)	( <sup>2</sup> )	1.9104(0.0001)
S (p-value) . . . . .	-1.3447(0.0029)	-5.6875(0.0001)	( <sup>2</sup> )	-0.9254(0.0923)	( <sup>2</sup> )	1.1007(0.0102)
Adjusted R <sup>2</sup> . . . . .	0.3269	0.7036	-0.0095	0.1946	0.0158	0.1730

Volume 40, Number 1 January 1991	<i>Human immunodeficiency virus infection</i>		<i>Symptoms, signs, and ill-defined conditions</i>		<i>Septicemia</i>	
	25–44 years		25–44 years		65–74 years	
	Female	Male	Female	Male	Female	Male
Final 1988 death rate . . . . .	3.2	27.9	3.3	7.6	20.3	28.5
Average monthly sample size . .	13	103	16	37	12	15
Estimated coefficients of model parameters:						
Intercept (p-value) . . . . .	-6.5262(0.7776)	75.4879(0.3955)	5.2909(0.0001)	10.7681(0.0001)	2.1280(0.0001)	2.5276(0.0001)
t (p-value) . . . . .	0.1174(0.7771)	-1.3844(0.3854)	-0.0263(0.0521)	-0.0264(0.2097)	0.0117(0.0004)	0.0139(0.0001)
t <sup>2</sup> (p-value) . . . . .	-0.0003(0.8818)	0.0085(0.2370)	0.0003(0.0088)	0.0005(0.0007)	0.0000(0.0914)	-0.0001(0.0019)
C (p-value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	0.3374(0.0590)	-0.4933(0.0769)	0.1100(0.0103)	0.1461(0.0001)
S (p-value) . . . . .	( <sup>2</sup> )	( <sup>2</sup> )	-0.2328(0.1947)	-0.0787(0.7780)	-0.0670(0.1182)	-0.0016(0.9627)
Adjusted R <sup>2</sup> . . . . .	0.2526	0.6945	0.0951	0.3909	0.3561	0.4825

<sup>1</sup>Rates per 100,000 live births.  
<sup>2</sup>Parameter not included in model.

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For answers to questions about this report or for a list of reports published in these series, contact:

Data Dissemination Branch  
National Center for Health Statistics  
Centers for Disease Control and Prevention  
Public Health Service  
6525 Belcrest Road, Room 1064  
Hyattsville, MD 20782  
(301) 436-8500

**DEPARTMENT OF  
HEALTH & HUMAN SERVICES**

Public Health Service  
Centers for Disease Control and Prevention  
National Center for Health Statistics  
6525 Belcrest Road  
Hyattsville, Maryland 20782

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