



MORBIDITY AND MORTALITY WEEKLY REPORT

---

- 1 Summaries of Notifiable Diseases in the United States, 1987
- 13 Graphs and Maps for Selected Notifiable Diseases in the United States
- 51 Historic Summary Tables Covering the Period 1938-1987

# Summary of Notifiable Diseases United States 1987

U.S. Department of Health and Human Services  
Public Health Service  
Epidemiology Program Office  
Centers for Disease Control  
Atlanta, Georgia 30333

The statistical summary of notifiable diseases in the United States is published to accompany each volume of the *Morbidity and Mortality Weekly Report* by the Centers for Disease Control, Public Health Service, U. S. Department of Health and Human Services, Atlanta, Georgia 30333.

**SUGGESTED CITATION**

Centers for Disease Control. Summary of notifiable diseases, United States, 1987. *Morbidity and Mortality Weekly Report* 1987;36(54).

Centers for Disease Control ..... James O. Mason, M.D., Dr.P.H.  
*Director*

This report was prepared by:

Epidemiology Program Office ..... Michael B. Gregg, M.D.  
*Acting Director*

Division of Surveillance and Epidemiologic Studies ..... Mel W. Ralston  
*Acting Director*

Statistics and Surveillance Branch ..... Donna F. Stroup, Ph.D.  
*Chief*

Ruth W. Slade  
*Statistical Coordinator*

Nancy P. Chalmers  
Meshelle Days-Lewis  
Norma P. Gibbs  
Dona D. Ludwig  
Barbara Panter-Connah

Editorial Services ..... R. Elliott Churchill, M.A.  
*Chief*

Mary T. Vaughan  
*Illustrator*

Ruth Greenberg  
*Editorial Assistant*

# Table of Contents

|                    |     |
|--------------------|-----|
| Foreword .....     | iii |
| Data Sources ..... | iv  |

## Part 1

|                                                                                                         |    |
|---------------------------------------------------------------------------------------------------------|----|
| Summaries of Notifiable Diseases in the United States, 1987 .....                                       | 1  |
| Reported Cases, by Month, 1987 .....                                                                    | 3  |
| Reported Cases, by Geographic Division and Area, 1987 .....                                             | 4  |
| Reported Cases, by Age Group, 1987 .....                                                                | 10 |
| Estimates of the Resident Population of the United States,<br>by Age, Sex, and Race, July 1, 1987 ..... | 11 |

## Part 2

|                                                                             |    |
|-----------------------------------------------------------------------------|----|
| Graphs and Maps for Selected Notifiable Diseases in the United States ..... | 13 |
|-----------------------------------------------------------------------------|----|

## Part 3

|                                                                                     |                   |
|-------------------------------------------------------------------------------------|-------------------|
| Historical Summary Tables Covering the Period 1938-1987 .....                       | 51                |
| Notifiable Diseases —                                                               |                   |
| Summary of Reported Cases, United States, 1978-1987 .....                           | 53                |
| Summary of Reported Cases per 100,000<br>Population, United States, 1978-1987 ..... | 54                |
| Summary of Reported Cases, United States, 1968-1977 .....                           | 55                |
| Summary of Reported Cases, United States, 1958-1967 .....                           | 56                |
| Summary of Reported Cases, United States, 1948-1957 .....                           | 57                |
| Summary of Reported Cases, United States, 1938-1947 .....                           | 58                |
| Deaths from Specified Notifiable Diseases,<br>United States, 1976-1985 .....        | 59                |
| State and Territorial Epidemiologists and<br>State Laboratory Directors .....       | Inside back cover |

# Foreword

## ***MMWR Summary of Notifiable Diseases, United States, 1987***

This volume contains summary tables of the official statistics for calendar year 1987 from the *Morbidity and Mortality Weekly Report (MMWR)* reporting system on the occurrence of notifiable diseases in the United States.

Part 1 contains information on morbidity for each of the 49 currently notifiable conditions. The tables show the number of cases of notifiable diseases reported to the Centers for Disease Control (CDC) for 1987, as well as the distribution of cases by month, geographic location, and patient's age.

Part 2 contains graphs and maps depicting summary data for many of the notifiable conditions described in tabular form in Part 1.

Part 3 includes tables showing the number of cases of notifiable diseases reported to CDC and to the National Office of Vital Statistics for the past 50 years. It also has a table of deaths associated with specified notifiable diseases reported to the National Center for Health Statistics, CDC, for the period 1976-1985.

As Number 54 of each volume of the *MMWR*, the *Summary of Notifiable Diseases, United States, 19—*, will close out the *MMWR* series for the stated calendar year.

## Data Sources

Data on the reported occurrence of notifiable diseases are routinely published in the *MMWR* and compiled in final form in this summary from annual reports submitted by the state and territorial departments of health.

Notifiable disease reports published in the *MMWR* are the authoritative and archival counts of cases. Data from surveillance records for selected diseases, which are useful for detailed epidemiologic analyses, are published periodically.

The Epidemiology Program Office gratefully acknowledges the CDC units listed below for providing the information for the surveillance-program database. Requests for further information regarding these data should be directed to the appropriate source.

### Center for Infectious Diseases

- AIDS Program (acquired immunodeficiency syndrome)

- Division of Bacterial Diseases (toxic-shock syndrome)

- Division of Vector-Borne Viral Diseases (arboviral infections of the central nervous system)

- Division of Viral Diseases (animal rabies)

### Center for Prevention Services

- Division of Quarantine (cholera and plague)

- Division of Tuberculosis Control (tuberculosis)

- Division of Sexually Transmitted Diseases (gonorrhea, syphilis, chancroid, granuloma inguinale, and lymphogranuloma venereum)

Totals for the United States, unless otherwise stated, do not include data for American Samoa, Guam, Puerto Rico, the Virgin Islands, and the Commonwealth of the Northern Mariana Islands (CNMI).

Data from California are provisional. The California Department of Health Services should be contacted for final data.

Data in this summary should be interpreted with caution. Some diseases such as plague and rabies that cause severe clinical illness and are associated with serious consequences probably are reported quite accurately. However, diseases such as salmonellosis and mumps that are clinically mild and infrequently associated with serious consequences are less likely to be reported. Additionally, subclinical cases are seldom detected except in the course of special studies. The degree of completeness of reporting is also influenced by the diagnostic facilities available, the control measures in effect, and the interests and priorities of state and local officials responsible for disease control and surveillance. Finally, factors such as the introduction of new diagnostic tests (e.g., for hepatitis B) and the discovery of new disease entities (e.g., infant botulism and legionellosis) may cause changes in disease reporting independent of the true incidence of disease. Despite these limitations, the data in this report have proven to be useful in analyzing trends.

Mortality data are from the National Center for Health Statistics, CDC. Each year these data are also published in *Vital Statistics of the United States, Vol. II*.

Data on notifiable diseases before 1960 are obtained from publications of the National Office of Vital Statistics.

Data for the 1987 resident population of states and territories are from the U.S. Bureau of the Census, *Current Population Reports*, Series P-25, No. 1024, *State Population and Household Estimates with Age, Sex, and Components of Change*, 1981-1987, and Series P-25, No. 1030, *Population Estimates for Puerto Rico and the Outlying Areas: 1980 to 1987*. Estimates for the resident population, by age, sex, and race, are from Series P-25, No. 1022, *United States Population Estimates, by Age, Sex, and Race: 1980 to 1987*.

Population data from states in which diseases were not notifiable or not available were excluded from rate calculation. Rates in the *1987 Summary of Notifiable Diseases* were calculated using data for the resident population except for chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis, for which only data for the civilian resident population were used.

**EXPLANATION OF SYMBOLS USED IN TABLES**

|                                                                                        |    |
|----------------------------------------------------------------------------------------|----|
| Data not available .....                                                               | NA |
| No reported cases .....                                                                | —  |
| Report of disease not required<br>by state health department<br>(not notifiable) ..... | NN |

# **PART 1:**

## **Summaries of Notifiable Diseases in the United States**

**NOTIFIABLE DISEASES—Summary of reported cases, by month, United States, 1987**

| Disease                                    | Total   | Jan.   | Feb.   | Mar.   | Apr.   | May    | June   | July   | Aug.   | Sept.  | Oct.   | Nov.   | Dec.   | Unk.  |
|--------------------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| Acquired immunodeficiency syndrome (AIDS)* | 21,070  | 1,378  | 1,426  | 1,768  | 1,703  | 837    | 1,965  | 1,761  | 1,836  | 1,057  | 2,067  | 2,347  | 2,925  | —     |
| Amebiasis                                  | 3,123   | 167    | 192    | 206    | 255    | 282    | 288    | 313    | 293    | 313    | 273    | 230    | 294    | 17    |
| Anthrax                                    | 1       | —      | —      | —      | —      | —      | —      | —      | —      | 1      | —      | —      | —      | —     |
| Aseptic meningitis                         | 11,487  | 393    | 328    | 366    | 424    | 503    | 854    | 1,848  | 2,390  | 1,795  | 1,248  | 712    | 613    | 13    |
| Botulism, total†                           | 82      | 7      | 5      | 7      | 4      | 2      | 13     | 6      | 10     | 3      | 8      | 2      | 15     | —     |
| Food-borne                                 | 17      | —      | —      | 1      | —      | —      | —      | 1      | 5      | 1      | —      | —      | 9      | —     |
| Infant                                     | 59      | 6      | 5      | 5      | 4      | 2      | 13     | 5      | 5      | 2      | 6      | 1      | 5      | —     |
| Brucellosis                                | 129     | 9      | 7      | 12     | 13     | 15     | 14     | 16     | 13     | 8      | 9      | 5      | 8      | —     |
| Cholera                                    | 6       | —      | —      | —      | —      | —      | 1      | 1      | 3      | —      | —      | 1      | —      | —     |
| Diphtheria                                 | 3       | —      | —      | 1      | —      | —      | —      | —      | —      | —      | 2      | —      | —      | —     |
| Encephalitis, primary infections           | 1,418   | 71     | 67     | 87     | 88     | 82     | 102    | 158    | 228    | 175    | 146    | 112    | 99     | 3     |
| Encephalitis, post infectious              | 121     | 2      | 7      | 6      | 11     | 17     | 20     | 14     | 11     | 7      | 6      | 5      | 15     | —     |
| Gonorrhea‡                                 | 780,905 | 64,563 | 64,952 | 71,235 | 62,139 | 63,527 | 69,822 | 65,691 | 64,124 | 70,620 | 63,996 | 56,047 | 64,189 | —     |
| Hepatitis A                                | 25,280  | 1,751  | 1,995  | 2,145  | 2,299  | 2,052  | 1,929  | 2,190  | 1,898  | 2,081  | 2,212  | 1,864  | 2,807  | 57    |
| Hepatitis B                                | 25,916  | 1,645  | 2,049  | 2,214  | 2,360  | 2,177  | 2,151  | 2,435  | 2,065  | 1,905  | 2,124  | 1,882  | 2,712  | 171   |
| Hepatitis, non-A non-B                     | 2,999   | 227    | 224    | 279    | 312    | 264    | 292    | 218    | 192    | 238    | 189    | 288    | 288    | 5     |
| Hepatitis, unspecified                     | 3,102   | 251    | 287    | 250    | 277    | 250    | 247    | 260    | 235    | 285    | 258    | 208    | 294    | —     |
| Legionellosis                              | 1,038   | 77     | 50     | 71     | 89     | 81     | 82     | 95     | 100    | 81     | 105    | 74     | 132    | 1     |
| Leprosy                                    | 238     | 15     | 25     | 15     | 27     | 17     | 16     | 16     | 17     | 18     | 26     | 8      | 38     | —     |
| Leptospirosis                              | 43      | 1      | 2      | 4      | 1      | 1      | —      | 8      | —      | 6      | 13     | 2      | 5      | —     |
| Malaria                                    | 944     | 51     | 54     | 62     | 70     | 77     | 62     | 114    | 114    | 91     | 72     | 51     | 125    | 1     |
| Measles (rubeola)                          | 3,655   | 105    | 249    | 555    | 496    | 868    | 565    | 255    | 162    | 137    | 110    | 58     | 95     | —     |
| Meningococcal infections, total            | 2,930   | 300    | 293    | 363    | 284    | 250    | 213    | 192    | 151    | 152    | 191    | 222    | 314    | 5     |
| Civilian                                   | 2,930   | 300    | 293    | 363    | 284    | 250    | 213    | 192    | 151    | 152    | 191    | 222    | 314    | 5     |
| Military                                   | —       | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —     |
| Mumps                                      | 12,848  | 1,044  | 1,594  | 1,661  | 1,855  | 2,108  | 1,045  | 520    | 314    | 373    | 658    | 527    | 1,149  | —     |
| Pertussis                                  | 2,823   | 139    | 146    | 167    | 125    | 145    | 186    | 270    | 426    | 290    | 267    | 188    | 470    | 4     |
| Plague                                     | 12      | —      | 1      | 1      | 1      | 2      | 1      | —      | 1      | 4      | —      | 1      | —      | —     |
| Poliomyelitis, paralytic                   | —       | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —     |
| Psittacosis                                | 98      | 7      | 3      | 8      | 7      | 14     | 7      | 14     | 4      | 5      | 9      | 2      | 18     | —     |
| Rabies, human                              | 1       | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 1      | —     |
| Rheumatic fever                            | 141     | 11     | 8      | 8      | 19     | 26     | 11     | 13     | 9      | 4      | 11     | 6      | 15     | —     |
| Rubella (German measles)                   | 306     | 20     | 13     | 36     | 37     | 51     | 27     | 53     | 14     | 23     | 11     | 8      | 13     | —     |
| Rubella congenital syndrome                | 5       | —      | —      | 2      | —      | —      | —      | 1      | 1      | 1      | —      | —      | —      | —     |
| Salmonellosis (excl. typhoid fever)        | 50,916  | 2,460  | 2,976  | 2,812  | 2,942  | 3,446  | 4,346  | 5,675  | 6,189  | 5,965  | 5,297  | 3,481  | 4,613  | 714   |
| Shigellosis                                | 23,860  | 979    | 1,110  | 1,141  | 1,529  | 1,226  | 2,904  | 2,249  | 2,856  | 2,693  | 2,534  | 2,090  | 2,411  | 138   |
| Syphilis, primary & secondary‡             | 35,147  | 2,502  | 2,582  | 2,875  | 2,849  | 2,717  | 2,809  | 3,246  | 2,990  | 3,170  | 3,489  | 2,860  | 3,058  | —     |
| Tetanus                                    | 48      | 2      | 3      | 4      | 2      | 4      | 2      | 6      | 5      | 7      | 5      | 2      | 6      | —     |
| Toxic-shock syndrome                       | 372     | 23     | 30     | 30     | 43     | 28     | 28     | 28     | 45     | 29     | 28     | 21     | 39     | —     |
| Trichinosis                                | 40      | 3      | 9      | 9      | 3      | 2      | 1      | 2      | 5      | 2      | 2      | —      | 2      | —     |
| Tuberculosis                               | 22,517  | 1,210  | 1,467  | 1,802  | 1,837  | 1,722  | 2,013  | 1,864  | 1,931  | 1,808  | 1,807  | 1,855  | 3,201  | —     |
| Tularemia                                  | 214     | 7      | 4      | 5      | 16     | 17     | 25     | 41     | 24     | 21     | 23     | 17     | 14     | —     |
| Typhoid fever                              | 400     | 23     | 20     | 28     | 30     | 30     | 23     | 38     | 46     | 48     | 23     | 31     | 60     | —     |
| Typhus fever                               | —       | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —     |
| Flea-borne (endemic, murine)               | 49      | 2      | 6      | 3      | 1      | 10     | 7      | 4      | 3      | 7      | —      | 2      | 4      | —     |
| Tick-borne (Rocky Mountain spotted)        | 604     | 1      | 5      | 3      | 13     | 64     | 111    | 134    | 117    | 67     | 39     | 19     | 31     | —     |
| Varicella (chickenpox)                     | 213,196 | 16,190 | 22,573 | 30,677 | 38,517 | 39,003 | 28,695 | 8,849  | 2,646  | 1,855  | 2,465  | 5,528  | 14,689 | 1,509 |

\*AIDS total updated through July 18, 1988.

†Includes wound and unspecified botulism.

‡Civilian cases only.

# SUMMARY TABLES – 1987

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1987

| Area                 | Total Resident<br>Population<br>(In Thousands) | AIDS           | Amebiasis    | Anthrax  | Aseptic<br>Meningitis | Botulism   |           |           |
|----------------------|------------------------------------------------|----------------|--------------|----------|-----------------------|------------|-----------|-----------|
|                      |                                                |                |              |          |                       | Food-borne | Infant    | Other     |
| <b>United States</b> | <b>243,400</b>                                 | <b>21,070*</b> | <b>3,123</b> | <b>1</b> | <b>11,487</b>         | <b>17</b>  | <b>59</b> | <b>6†</b> |
| <b>New England</b>   | <b>12,844</b>                                  | <b>845</b>     | <b>100</b>   | —        | <b>579</b>            | —          | <b>3</b>  | —         |
| Maine                | 1,187                                          | 28             | 2            | —        | 33                    | —          | —         | —         |
| N.H.                 | 1,057                                          | 33             | 14           | —        | 56                    | —          | —         | —         |
| Vt.                  | 548                                            | 15             | 6            | —        | 73                    | —          | —         | —         |
| Mass.                | 5,855                                          | 456            | 32           | —        | 172                   | —          | 1         | —         |
| R.I.                 | 986                                            | 69             | 1            | —        | 121                   | —          | —         | —         |
| Conn.                | 3,211                                          | 244            | 45           | —        | 124                   | —          | 2         | —         |
| <b>Mid. Atlantic</b> | <b>37,433</b>                                  | <b>6,111</b>   | <b>407</b>   | —        | <b>1,776</b>          | <b>2</b>   | <b>11</b> | —         |
| N.Y. (excl.NYC)      | 17,825‡                                        | 765            | 62           | —        | 679                   | —          | 1         | —         |
| N.Y.C.               | NA                                             | 3,182          | 206          | —        | 187                   | 2          | 1         | —         |
| N.J.                 | 7,672                                          | 1,514          | 97           | —        | 429                   | —          | 1         | —         |
| Pa.                  | 11,936                                         | 650            | 42           | —        | 481                   | —          | 8         | —         |
| <b>E.N. Central</b>  | <b>41,904</b>                                  | <b>1,397</b>   | <b>240</b>   | —        | <b>2,710</b>          | <b>5</b>   | <b>1</b>  | —         |
| Ohio                 | 10,784                                         | 323            | 45           | —        | 780                   | 1          | —         | —         |
| Ind.                 | 5,531                                          | 132            | 22           | —        | 263                   | 3          | —         | —         |
| Ill.                 | 11,582                                         | 634            | 57           | —        | 520                   | —          | 1         | —         |
| Mich.                | 9,200                                          | 211            | 31           | —        | 925                   | —          | —         | —         |
| Wis.                 | 4,807                                          | 97             | 85           | —        | 222                   | 1          | —         | —         |
| <b>W.N. Central</b>  | <b>17,634</b>                                  | <b>467</b>     | <b>153</b>   | —        | <b>513</b>            | —          | —         | —         |
| Minn.                | 4,246                                          | 130            | 37           | —        | 88                    | —          | —         | —         |
| Iowa                 | 2,834                                          | 27             | 37           | —        | 76                    | —          | —         | —         |
| Mo.                  | 5,103                                          | 236            | 27           | —        | 162                   | —          | —         | —         |
| N. Dak.              | 672                                            | 1              | 1            | —        | 12                    | —          | —         | —         |
| S. Dak.              | 709                                            | 2              | 1            | —        | 43                    | —          | —         | —         |
| Nebr.                | 1,594                                          | 24             | 1            | —        | 39                    | —          | —         | —         |
| Kans.                | 2,476                                          | 47             | 49           | —        | 93                    | —          | —         | —         |
| <b>S. Atlantic</b>   | <b>41,684</b>                                  | <b>3,647</b>   | <b>224</b>   | <b>1</b> | <b>2,028</b>          | <b>3</b>   | <b>1</b>  | —         |
| Del.                 | 644                                            | 38             | 1            | —        | 55                    | —          | 1         | —         |
| Md.                  | 4,535                                          | 462            | 2            | —        | 389                   | —          | —         | —         |
| D.C.                 | 622                                            | 467            | 3            | —        | 25                    | —          | —         | —         |
| Va.                  | 5,904                                          | 243            | 50           | —        | 281                   | —          | —         | —         |
| W. Va.               | 1,897                                          | 20             | 1            | —        | 75                    | —          | —         | —         |
| N.C.                 | 6,413                                          | 205            | 14           | 1        | 282                   | —          | —         | —         |
| S.C.                 | 3,425                                          | 79             | NN           | —        | 48                    | —          | —         | —         |
| Ga.                  | 6,222                                          | 506            | 91           | —        | 208                   | —          | —         | —         |
| Fla.                 | 12,023                                         | 1,627          | 62           | —        | 665                   | 3          | —         | —         |
| <b>E.S. Central</b>  | <b>15,290</b>                                  | <b>323</b>     | <b>42</b>    | —        | <b>712</b>            | <b>1</b>   | <b>2</b>  | <b>1</b>  |
| Ky.                  | 3,727                                          | 47             | 20           | —        | 246                   | 1          | 1         | —         |
| Tenn.                | 4,855                                          | 73             | NN           | —        | 139                   | —          | 1         | 1         |
| Ala.                 | 4,083                                          | 153            | 21           | —        | 252                   | —          | —         | —         |
| Miss.                | 2,625                                          | 50             | 1            | —        | 75                    | —          | —         | —         |
| <b>W.S. Central</b>  | <b>26,910</b>                                  | <b>2,171</b>   | <b>303</b>   | —        | <b>1,044</b>          | —          | <b>4</b>  | —         |
| Ark.                 | 2,388                                          | 48             | 4            | —        | 28                    | —          | —         | —         |
| La.                  | 4,461                                          | 335            | 1            | —        | 100                   | —          | —         | —         |
| Okla.                | 3,272                                          | 107            | 8            | —        | 158                   | —          | —         | —         |
| Tex.                 | 16,789                                         | 1,681          | 290          | —        | 758                   | —          | 4         | —         |
| <b>Mountain</b>      | <b>13,167</b>                                  | <b>643</b>     | <b>117</b>   | —        | <b>425</b>            | —          | <b>8</b>  | <b>1</b>  |
| Mont.                | 809                                            | 7              | 3            | —        | 17                    | —          | —         | —         |
| Idaho                | 998                                            | 10             | 9            | —        | 4                     | —          | 3         | —         |
| Wyo.                 | 490                                            | 3              | 1            | —        | 2                     | —          | —         | —         |
| Colo.                | 3,296                                          | 227            | 41           | —        | 166                   | —          | —         | —         |
| N. Mex.              | 1,500                                          | 48             | 13           | —        | 27                    | —          | —         | —         |
| Ariz.                | 3,386                                          | 219            | 41           | —        | 151                   | —          | —         | 1         |
| Utah                 | 1,680                                          | 39             | 6            | —        | 29                    | —          | 5         | —         |
| Nev.                 | 1,007                                          | 90             | 3            | —        | 29                    | —          | —         | —         |
| <b>Pacific</b>       | <b>36,533</b>                                  | <b>5,466</b>   | <b>1,537</b> | —        | <b>1,700</b>          | <b>6</b>   | <b>29</b> | <b>4</b>  |
| Wash.                | 4,538                                          | 340            | 60           | —        | 30                    | 1          | 1         | 1         |
| Oreg.                | 2,724                                          | 160            | 61           | —        | —                     | 1          | 2         | 2         |
| Calif.               | 27,663                                         | 4,872          | 1,411        | —        | 1,492                 | 4          | 22        | 1         |
| Alaska               | 525                                            | 12             | 5            | —        | 74                    | —          | 1         | —         |
| Hawaii               | 1,083                                          | 82             | —            | —        | 104                   | —          | 3         | —         |
| Guam                 | 130                                            | 3              | 2            | —        | —                     | —          | —         | —         |
| P.R.                 | 3,292                                          | 203            | 27           | —        | 38                    | —          | —         | —         |
| V.I.                 | 106                                            | —              | —            | —        | —                     | —          | —         | —         |
| American Samoa       | 38                                             | —              | —            | —        | 2                     | —          | —         | —         |
| C.N.M.I.             | 20                                             | —              | 28           | —        | —                     | —          | —         | —         |

\*Updated through July 18, 1988.

†Includes wound and unspecified botulism.

‡Population estimate includes New York City.

**NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1987 (continued)**

| Area                 | Brucellosis | Chancroid     | Cholera  | Diphtheria | Encephalitis       |                 | Gonorrhea      | Granuloma Inguinale |
|----------------------|-------------|---------------|----------|------------|--------------------|-----------------|----------------|---------------------|
|                      |             |               |          |            | Primary Infections | Post-Infections |                |                     |
| <b>United States</b> | <b>129</b>  | <b>4,998*</b> | <b>6</b> | <b>3</b>   | <b>1,418</b>       | <b>121</b>      | <b>780,905</b> | <b>22*</b>          |
| <b>New England</b>   | <b>2</b>    | <b>136</b>    | —        | —          | <b>46</b>          | <b>1</b>        | <b>22,456</b>  | <b>1</b>            |
| Maine                | —           | —             | —        | —          | 4                  | —               | 656            | —                   |
| N.H.                 | —           | —             | —        | —          | 2                  | —               | 405            | —                   |
| Vt.                  | —           | —             | —        | —          | 6                  | —               | 179            | —                   |
| Mass.                | 1           | 132           | —        | —          | 17                 | 1               | 8,444          | —                   |
| R.I.                 | —           | 4             | —        | —          | 4                  | —               | 2,212          | 1                   |
| Conn.                | 1           | —             | —        | —          | 13                 | —               | 10,560         | —                   |
| <b>Mid. Atlantic</b> | <b>1</b>    | <b>3,122</b>  | —        | —          | <b>139</b>         | <b>13</b>       | <b>134,775</b> | <b>1</b>            |
| N.Y. (excl.NYC)      | 1           | 5             | —        | —          | 62                 | 4               | 16,958         | 1                   |
| N.Y.C.               | —           | 3,116         | —        | —          | 8                  | 5               | 71,098         | —                   |
| N.J.                 | —           | 1             | —        | —          | 11                 | —               | 16,531         | —                   |
| Pa.                  | —           | —             | —        | —          | 58                 | 4               | 30,188         | —                   |
| <b>E.N. Central</b>  | <b>5</b>    | <b>44</b>     | —        | —          | <b>481</b>         | <b>16</b>       | <b>108,347</b> | <b>1</b>            |
| Ohio                 | 1           | 1             | —        | —          | 165                | 6               | 20,908         | —                   |
| Ind.                 | —           | 2             | —        | —          | 61                 | —               | 6,949          | —                   |
| Ill.                 | —           | 3             | —        | —          | 130                | 10              | 33,298         | 1                   |
| Mich.                | 1           | 38            | —        | —          | 81                 | —               | 37,284         | —                   |
| Wis.                 | 3           | —             | —        | —          | 44                 | —               | 9,908          | —                   |
| <b>W.N. Central</b>  | <b>18</b>   | <b>4</b>      | —        | —          | <b>110</b>         | <b>2</b>        | <b>31,307</b>  | —                   |
| Minn.                | 1           | —             | —        | —          | 58                 | —               | 4,338          | —                   |
| Iowa                 | 3           | —             | —        | —          | 16                 | —               | 3,029          | —                   |
| Mo.                  | 14          | —             | —        | —          | 11                 | —               | 16,517         | —                   |
| N. Dak.              | —           | —             | —        | —          | 3                  | —               | 267            | —                   |
| S. Dak.              | —           | —             | —        | —          | —                  | 2               | 619            | —                   |
| Nebr.                | —           | —             | —        | —          | 10                 | —               | 1,791          | —                   |
| Kans.                | —           | 4             | —        | —          | 12                 | —               | 4,746          | —                   |
| <b>S. Atlantic</b>   | <b>16</b>   | <b>1,053</b>  | —        | —          | <b>173</b>         | <b>46</b>       | <b>200,282</b> | <b>19</b>           |
| Del.                 | —           | 2             | —        | —          | 9                  | 1               | 3,372          | —                   |
| Md.                  | —           | —             | —        | —          | 21                 | 11              | 21,374         | —                   |
| D.C.                 | —           | 3             | —        | —          | —                  | —               | 14,077         | —                   |
| Va.                  | —           | 4             | —        | —          | 41                 | 2               | 14,353         | —                   |
| W. Va.               | 1           | 1             | —        | —          | 56                 | —               | 1,540          | —                   |
| N.C.                 | 1           | 9             | —        | —          | 28                 | —               | 29,888         | —                   |
| S.C.                 | 1           | —             | —        | —          | 1                  | —               | 15,465         | —                   |
| Ga.                  | 4           | 241           | —        | —          | 1                  | —               | 31,936         | 13                  |
| Fla.                 | 9           | 793           | —        | —          | 16                 | 32              | 68,277         | 6                   |
| <b>E.S. Central</b>  | <b>4</b>    | <b>2</b>      | —        | —          | <b>65</b>          | <b>8</b>        | <b>60,695</b>  | —                   |
| Ky.                  | 2           | 2             | —        | —          | 31                 | 1               | 5,679          | —                   |
| Tenn.                | 1           | —             | —        | —          | 16                 | —               | 23,740         | —                   |
| Ala.                 | —           | —             | —        | —          | 18                 | 1               | 17,779         | —                   |
| Miss.                | 1           | —             | —        | —          | —                  | 6               | 13,497         | —                   |
| <b>W.S. Central</b>  | <b>62</b>   | <b>489</b>    | <b>5</b> | —          | <b>179</b>         | <b>5</b>        | <b>81,700</b>  | —                   |
| Ark.                 | 4           | 2             | —        | —          | 4                  | 2               | 8,837          | —                   |
| La.                  | 1           | 92            | 5        | —          | 32                 | —               | 12,008         | —                   |
| Okla.                | 6           | —             | —        | —          | 28                 | —               | 9,164          | —                   |
| Tex.                 | 51          | 395           | —        | —          | 115                | 3               | 51,691         | —                   |
| <b>Mountain</b>      | <b>2</b>    | <b>8</b>      | —        | —          | <b>72</b>          | <b>6</b>        | <b>20,083</b>  | —                   |
| Mont.                | —           | —             | —        | —          | 1                  | —               | 593            | —                   |
| Idaho                | 1           | —             | —        | —          | —                  | —               | 656            | —                   |
| Wyo.                 | —           | —             | —        | —          | 1                  | —               | 423            | —                   |
| Colo.                | —           | 1             | —        | —          | 44                 | —               | 4,529          | —                   |
| N. Mex.              | 1           | —             | —        | —          | 5                  | —               | 2,103          | —                   |
| Ariz.                | —           | 7             | —        | —          | 17                 | 1               | 6,787          | —                   |
| Utah                 | —           | —             | —        | —          | —                  | 5               | 671            | —                   |
| Nev.                 | —           | —             | —        | —          | 4                  | —               | 4,321          | —                   |
| <b>Pacific</b>       | <b>19</b>   | <b>140</b>    | <b>1</b> | <b>3</b>   | <b>153</b>         | <b>24</b>       | <b>121,260</b> | —                   |
| Wash.                | —           | 2             | —        | 1          | 12                 | 5               | 9,126          | —                   |
| Oreg.                | —           | —             | 1        | —          | —                  | —               | 4,040          | —                   |
| Calif.               | 18          | 138           | —        | 1          | 136                | 16              | 105,491        | —                   |
| Alaska               | 1           | —             | —        | —          | 3                  | —               | 1,722          | —                   |
| Hawaii               | —           | —             | —        | 1          | 2                  | 3               | 881            | —                   |
| Guam                 | —           | —             | 1        | —          | —                  | —               | 219            | —                   |
| P.R.                 | 1           | 42            | —        | —          | 2                  | 1               | 1,837          | 3                   |
| V.I.                 | —           | 7             | —        | —          | —                  | —               | 347            | —                   |
| American Samoa       | —           | NA            | —        | —          | —                  | —               | NA             | —                   |
| C.N.M.I.             | —           | NA            | —        | —          | —                  | —               | NA             | —                   |

\*Civilian cases only.

## SUMMARY TABLES—1987

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1987 (continued)

| Area                 | Hepatitis A   | Hepatitis B   | Hepatitis unsp. | Hepatitis non-A non-B | Legionel-<br>losis | Leprosy    | Lepto-<br>spirosis | Lympho-<br>granuloma<br>venereum | Malaria    |
|----------------------|---------------|---------------|-----------------|-----------------------|--------------------|------------|--------------------|----------------------------------|------------|
| <b>United States</b> | <b>25,280</b> | <b>25,916</b> | <b>3,102</b>    | <b>2,999</b>          | <b>1,038</b>       | <b>238</b> | <b>43</b>          | <b>303*</b>                      | <b>944</b> |
| <b>New England</b>   | <b>703</b>    | <b>1,644</b>  | <b>109</b>      | <b>141</b>            | <b>34</b>          | <b>18</b>  | <b>1</b>           | <b>7</b>                         | <b>55</b>  |
| Maine                | 23            | 112           | 5               | 6                     | 3                  | —          | —                  | —                                | 2          |
| N.H.                 | 35            | 101           | —               | 18                    | 1                  | 2          | —                  | —                                | 3          |
| Vt.                  | 14            | 65            | —               | 17                    | 7                  | —          | —                  | —                                | —          |
| Mass.                | 342           | 928           | 92              | 61                    | 20                 | 14         | —                  | 7                                | 22         |
| R.I.                 | 97            | 85            | 4               | 13                    | 3                  | —          | —                  | —                                | 8          |
| Conn.                | 192           | 353           | 8               | 26                    | NN                 | 2          | 1                  | —                                | 20         |
| <b>Mid. Atlantic</b> | <b>1,555</b>  | <b>3,274</b>  | <b>358</b>      | <b>253</b>            | <b>185</b>         | <b>22</b>  | <b>—</b>           | <b>42</b>                        | <b>127</b> |
| N.Y. (excl.NYC)      | 808           | 799           | 35              | 86                    | 59                 | —          | —                  | 2                                | 35         |
| N.Y.C.               | 221           | 1,178         | 258             | 16                    | 27                 | 19         | —                  | 36                               | 27         |
| N.J.                 | 286           | 565           | 50              | 67                    | 35                 | 2          | —                  | 2                                | 40         |
| Pa.                  | 240           | 732           | 15              | 84                    | 64                 | 1          | —                  | 2                                | 25         |
| <b>E.N. Central</b>  | <b>1,817</b>  | <b>2,733</b>  | <b>196</b>      | <b>331</b>            | <b>348</b>         | <b>15</b>  | <b>3</b>           | <b>2</b>                         | <b>80</b>  |
| Ohio                 | 243           | 581           | 22              | 68                    | 114                | 3          | 1                  | —                                | 14         |
| Ind.                 | 241           | 338           | 51              | 36                    | 59                 | —          | —                  | —                                | 7          |
| Ill.                 | 536           | 667           | 63              | 104                   | 30                 | 8          | 1                  | 1                                | 34         |
| Mich.                | 584           | 881           | 60              | 82                    | 77                 | 3          | 1                  | 1                                | 18         |
| Wis.                 | 213           | 266           | —               | 41                    | 68                 | 1          | —                  | —                                | 7          |
| <b>W.N. Central</b>  | <b>1,377</b>  | <b>903</b>    | <b>49</b>       | <b>134</b>            | <b>69</b>          | <b>—</b>   | <b>5</b>           | <b>2</b>                         | <b>32</b>  |
| Minn.                | 152           | 139           | 2               | 26                    | 8                  | —          | 1                  | —                                | 9          |
| Iowa                 | 108           | 113           | 7               | 30                    | 12                 | —          | —                  | —                                | 6          |
| Mo.                  | 560           | 460           | 21              | 46                    | 22                 | —          | 3                  | —                                | 8          |
| N. Dak.              | 28            | 17            | 2               | 5                     | —                  | —          | —                  | —                                | 2          |
| S. Dak.              | 15            | 11            | —               | 7                     | 15                 | —          | —                  | —                                | —          |
| Nebr.                | 112           | 64            | —               | 1                     | 4                  | —          | —                  | —                                | 5          |
| Kans.                | 402           | 99            | 17              | 19                    | 8                  | —          | 1                  | 2                                | 2          |
| <b>S. Atlantic</b>   | <b>1,752</b>  | <b>5,205</b>  | <b>405</b>      | <b>412</b>            | <b>150</b>         | <b>5</b>   | <b>4</b>           | <b>204</b>                       | <b>162</b> |
| Del.                 | 79            | 109           | 11              | 13                    | 4                  | —          | —                  | —                                | 3          |
| Md.                  | 253           | 849           | 39              | 58                    | 29                 | 2          | 3                  | —                                | 43         |
| D.C.                 | 41            | 63            | —               | 2                     | 3                  | —          | —                  | —                                | 21         |
| Va.                  | 244           | 448           | 196             | 51                    | 12                 | —          | —                  | 1                                | 27         |
| W. Va.               | 20            | 78            | 7               | 9                     | 2                  | —          | —                  | 1                                | 2          |
| N.C.                 | 172           | 669           | 32              | 68                    | 29                 | —          | 1                  | 3                                | 13         |
| S.C.                 | 52            | 548           | 6               | 21                    | 14                 | 1          | —                  | 1                                | 6          |
| Ga.                  | 162           | 878           | 14              | 35                    | 30                 | —          | —                  | —                                | 8          |
| Fla.                 | 729           | 1,563         | 100             | 155                   | 27                 | 2          | —                  | 175                              | 39         |
| <b>E.S. Central</b>  | <b>334</b>    | <b>1,435</b>  | <b>27</b>       | <b>142</b>            | <b>55</b>          | <b>—</b>   | <b>1</b>           | <b>2</b>                         | <b>17</b>  |
| Ky.                  | 167           | 253           | 8               | 33                    | 22                 | —          | 1                  | 2                                | 3          |
| Tenn.                | 47            | 603           | —               | 32                    | 21                 | —          | —                  | —                                | 1          |
| Ala.                 | 80            | 412           | 9               | 56                    | 7                  | —          | —                  | —                                | 5          |
| Miss.                | 40            | 167           | 10              | 21                    | 5                  | —          | —                  | —                                | 8          |
| <b>W.S. Central</b>  | <b>2,576</b>  | <b>2,403</b>  | <b>665</b>      | <b>269</b>            | <b>86</b>          | <b>31</b>  | <b>8</b>           | <b>21</b>                        | <b>66</b>  |
| Ark.                 | 247           | 115           | 10              | 20                    | 8                  | —          | —                  | 2                                | 1          |
| La.                  | 111           | 551           | 16              | 36                    | 9                  | 4          | 7                  | 19                               | 4          |
| Okla.                | 332           | 250           | 38              | 52                    | 31                 | —          | —                  | —                                | 5          |
| Tex.                 | 1,886         | 1,487         | 601             | 161                   | 38                 | 27         | 1                  | —                                | 56         |
| <b>Mountain</b>      | <b>3,744</b>  | <b>1,978</b>  | <b>246</b>      | <b>305</b>            | <b>42</b>          | <b>2</b>   | <b>—</b>           | <b>9</b>                         | <b>41</b>  |
| Mont.                | 86            | 59            | 5               | 11                    | 1                  | —          | —                  | —                                | —          |
| Idaho                | 349           | 140           | 2               | 7                     | 3                  | 1          | —                  | —                                | 3          |
| Wyo.                 | 18            | 19            | 2               | 4                     | 2                  | —          | —                  | —                                | 2          |
| Colo.                | 432           | 263           | 116             | 63                    | 9                  | —          | —                  | —                                | 12         |
| N. Mex.              | 422           | 265           | 12              | 37                    | 4                  | —          | —                  | —                                | 2          |
| Ariz.                | 2,044         | 857           | 83              | 134                   | 15                 | —          | —                  | 7                                | 18         |
| Utah                 | 250           | 113           | 19              | 30                    | 7                  | —          | —                  | 2                                | 1          |
| Nev.                 | 143           | 262           | 7               | 19                    | 1                  | 1          | —                  | —                                | 3          |
| <b>Pacific</b>       | <b>11,422</b> | <b>6,341</b>  | <b>1,047</b>    | <b>1,012</b>          | <b>69</b>          | <b>145</b> | <b>21</b>          | <b>14</b>                        | <b>364</b> |
| Wash.                | 2,587         | 1,126         | 120             | 208                   | 23                 | 6          | —                  | 5                                | 28         |
| Oreg.                | 1,328         | 660           | 17              | 104                   | —                  | 1          | —                  | —                                | 6          |
| Calif.               | 7,230         | 4,372         | 897             | 687                   | 43                 | 113        | 1                  | 9                                | 325        |
| Alaska               | 240           | 115           | 10              | 11                    | 1                  | —          | —                  | —                                | 2          |
| Hawaii               | 37            | 68            | 3               | 2                     | 2                  | 25         | 20                 | —                                | 3          |
| Guam                 | 6             | 8             | 10              | 1                     | —                  | 4          | —                  | —                                | —          |
| P.R.                 | 60            | 279           | 125             | 23                    | 1                  | 5          | 1                  | 13                               | 2          |
| V.I.                 | 7             | 14            | 1               | —                     | —                  | —          | —                  | —                                | —          |
| American Samoa       | 16            | 3             | —               | —                     | —                  | 13         | —                  | —                                | —          |
| C.N.M.I.             | 2             | 2             | 11              | —                     | —                  | 3          | —                  | —                                | —          |

\*Civilian cases only.

**NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1987 (continued)**

| Area                 | Measles      |             | Meningo-<br>coccal<br>infections | Mumps         | Pertussis    | Plague    | Polioomyelitis |              |
|----------------------|--------------|-------------|----------------------------------|---------------|--------------|-----------|----------------|--------------|
|                      | Indigenous   | Imported    |                                  |               |              |           | Paralytic      | Poliotacosis |
| <b>United States</b> | <b>3,240</b> | <b>415*</b> | <b>2,930</b>                     | <b>12,848</b> | <b>2,823</b> | <b>12</b> | <b>—†</b>      | <b>98</b>    |
| <b>New England</b>   | <b>120</b>   | <b>182</b>  | <b>227</b>                       | <b>57</b>     | <b>304</b>   | <b>—</b>  | <b>—</b>       | <b>3</b>     |
| Maine                | 3            | —           | 14                               | 1             | 33           | —         | —              | 1            |
| N.H.                 | 61           | 102         | 23                               | 12            | 78           | —         | —              | —            |
| Vt.                  | 11           | 15          | 19                               | 7             | 4            | —         | —              | —            |
| Mass.                | 27           | 39          | 117                              | 21            | 153          | —         | —              | —            |
| R.I.                 | 2            | —           | —                                | —             | 5            | —         | —              | 1            |
| Conn.                | 16           | 6           | 54                               | 16            | 31           | —         | —              | 1            |
| <b>Mid. Atlantic</b> | <b>549</b>   | <b>53</b>   | <b>393</b>                       | <b>342</b>    | <b>327</b>   | <b>—</b>  | <b>—</b>       | <b>6</b>     |
| N.Y. (excl.NYC)      | 29           | 14          | 139                              | 141           | 184          | —         | —              | 4            |
| N.Y.C.               | 450          | 19          | 57                               | 39            | 13           | —         | —              | 2            |
| N.J.                 | 32           | 7           | 73                               | 76            | 25           | —         | —              | —            |
| Pa.                  | 38           | 13          | 124                              | 86            | 105          | —         | —              | —            |
| <b>E.N. Central</b>  | <b>372</b>   | <b>24</b>   | <b>460</b>                       | <b>6,719</b>  | <b>343</b>   | <b>—</b>  | <b>—</b>       | <b>12</b>    |
| Ohio                 | 1            | 4           | 147                              | 144           | 127          | —         | —              | 2            |
| Ind.                 | —            | —           | 46                               | 999           | 38           | —         | —              | 2            |
| Ill.                 | 196          | 16          | 128                              | 2,737         | 21           | —         | —              | 2            |
| Mich.                | 31           | 1           | 111                              | 1,105         | 53           | —         | —              | 5            |
| Wis.                 | 144          | 3           | 28                               | 1,734         | 104          | —         | —              | 1            |
| <b>W.N. Central</b>  | <b>210</b>   | <b>22</b>   | <b>113</b>                       | <b>1,490</b>  | <b>160</b>   | <b>—</b>  | <b>—</b>       | <b>8</b>     |
| Minn.                | 19           | 20          | 33                               | 810           | 17           | —         | —              | 1            |
| Iowa                 | —            | —           | 5                                | 467           | 58           | —         | —              | 5            |
| Mo.                  | 189          | 1           | 35                               | 38            | 46           | —         | —              | 2            |
| N. Dak.              | 2            | —           | 1                                | 6             | 17           | —         | —              | —            |
| S. Dak.              | —            | —           | 4                                | 89            | 4            | —         | —              | —            |
| Nebr.                | —            | —           | 7                                | 6             | 1            | —         | —              | —            |
| Kans.                | —            | 1           | 28                               | 74            | 17           | —         | —              | —            |
| <b>S. Atlantic</b>   | <b>175</b>   | <b>13</b>   | <b>484</b>                       | <b>375</b>    | <b>360</b>   | <b>—</b>  | <b>—</b>       | <b>9</b>     |
| Del.                 | 32           | —           | 6                                | —             | 4            | —         | —              | —            |
| Md.                  | 8            | 2           | 55                               | 47            | 26           | —         | —              | 3            |
| D.C.                 | —            | 1           | 12                               | 1             | —            | —         | —              | —            |
| Va.                  | 1            | —           | 72                               | 88            | 58           | —         | —              | —            |
| W. Va.               | —            | —           | 4                                | 43            | 38           | —         | —              | 1            |
| N.C.                 | 2            | 4           | 56                               | 31            | 123          | —         | —              | —            |
| S.C.                 | 2            | —           | 44                               | 21            | 8            | —         | —              | 1            |
| Ga.                  | 9            | 1           | 94                               | 77            | 50           | —         | —              | 2            |
| Fla.                 | 121          | 5           | 141                              | 67            | 53           | —         | —              | 2            |
| <b>E.S. Central</b>  | <b>5</b>     | <b>3</b>    | <b>170</b>                       | <b>1,540</b>  | <b>56</b>    | <b>—</b>  | <b>—</b>       | <b>2</b>     |
| Ky.                  | —            | —           | 29                               | 273           | 2            | —         | —              | 1            |
| Tenn.                | —            | —           | 84                               | 1,203         | 23           | —         | —              | 1            |
| Ala.                 | 1            | 3           | 45                               | 64            | 25           | —         | —              | —            |
| Miss.                | 4            | —           | 12                               | NN            | 6            | —         | —              | —            |
| <b>W.S. Central</b>  | <b>452</b>   | <b>4</b>    | <b>212</b>                       | <b>1,572</b>  | <b>354</b>   | <b>—</b>  | <b>—</b>       | <b>2</b>     |
| Ark.                 | —            | —           | 23                               | 298           | 15           | —         | —              | —            |
| La.                  | —            | —           | 28                               | 839           | 56           | —         | —              | —            |
| Okla.                | 3            | 1           | 35                               | 97            | 172          | —         | —              | —            |
| Tex.                 | 449          | 3           | 126                              | 338           | 111          | —         | —              | 2            |
| <b>Mountain</b>      | <b>477</b>   | <b>19</b>   | <b>92</b>                        | <b>263</b>    | <b>259</b>   | <b>11</b> | <b>—</b>       | <b>16</b>    |
| Mont.                | 127          | 1           | 4                                | 9             | 8            | 1         | —              | 2            |
| Idaho                | —            | —           | 6                                | 7             | 91           | 1         | —              | —            |
| Wyo.                 | —            | 2           | —                                | —             | 5            | —         | —              | —            |
| Colo.                | 5            | 4           | 34                               | 34            | 86           | 2         | —              | 11           |
| N. Mex.              | 308          | 9           | 7                                | NN            | 13           | 5         | —              | —            |
| Ariz.                | 35           | 1           | 27                               | 196           | 41           | 2         | —              | 2            |
| Utah                 | —            | 1           | 10                               | 12            | 15           | —         | —              | 1            |
| Nev.                 | 2            | 1           | 4                                | 5             | —            | —         | —              | —            |
| <b>Pacific</b>       | <b>880</b>   | <b>115</b>  | <b>779</b>                       | <b>490</b>    | <b>660</b>   | <b>1</b>  | <b>—</b>       | <b>40</b>    |
| Wash.                | 34           | 13          | 88                               | 70            | 110          | —         | —              | 12           |
| Oreg.                | 51           | 81          | 37                               | NN            | 84           | 1         | —              | 17           |
| Calif.               | 793          | 17          | 633                              | 397           | 217          | —         | —              | 9            |
| Alaska               | —            | 1           | 10                               | 11            | 4            | —         | —              | 2            |
| Hawaii               | 2            | 3           | 11                               | 12            | 245          | —         | —              | —            |
| Guam                 | 2            | —           | 5                                | 6             | —            | —         | —              | —            |
| P.R.                 | 781          | —           | 6                                | 19            | 20           | —         | —              | —            |
| V.I.                 | —            | —           | 5                                | 22            | —            | —         | —              | —            |
| American Samoa       | 1            | —           | 1                                | 14            | —            | —         | —              | —            |
| C.N.M.I.             | —            | —           | —                                | 1             | —            | —         | —              | —            |

\*For measles only, imported includes both out-of-state and international importations.

†Subject to change due to retrospective case evaluations or late reports.

## NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1987 (continued)

| Area            | Rabies |       |             | Rubella |                |               |             | Syphilis            |                |            |
|-----------------|--------|-------|-------------|---------|----------------|---------------|-------------|---------------------|----------------|------------|
|                 | Animal | Human | Rheumatic   | Rubella | Cong. syndrome | Salmonellosis | Shigellosis | Primary & Secondary | Cong. (<1 yr.) | All Stages |
|                 |        |       | Fever acute |         |                |               |             |                     |                |            |
| United States   | 4,658  | 1     | 141         | 306     | 5              | 50,916        | 23,860      | 35,147*             | 443*           | 86,545*    |
| New England     | 13     | —     | 2           | 3       | —              | 4,818         | 730         | 651                 | 2              | 1,708      |
| Maine           | 3      | —     | 1           | 1       | —              | 237           | 13          | 7                   | —              | 25         |
| N.H.            | —      | —     | NN          | —       | —              | 218           | 27          | 5                   | —              | 27         |
| Vt.             | —      | —     | —           | —       | —              | 115           | 10          | 4                   | —              | 9          |
| Mass.           | 5      | —     | NN          | 2       | —              | 2,545         | 372         | 286                 | 1              | 801        |
| R.I.            | 2      | —     | —           | —       | —              | 263           | 73          | 15                  | 1              | 88         |
| Conn.           | 3      | —     | 1           | —       | —              | 1,440         | 235         | 334                 | —              | 758        |
| Mid. Atlantic   | 399    | —     | —           | 12      | —              | 9,006         | 3,676       | 6,625               | 147            | 15,932     |
| N.Y. (excl.NYC) | 57     | —     | NN          | 10      | —              | 2,021         | 982         | 363                 | —              | 1,041      |
| N.Y.C.          | —      | —     | NN          | 1       | —              | 1,813         | 1,771       | 4,645               | 122            | 10,535     |
| N.J.            | 18     | —     | NN          | 1       | —              | 2,358         | 547         | 680                 | 10             | 2,001      |
| Pa.             | 324    | —     | —           | —       | —              | 2,814         | 376         | 941                 | 15             | 2,355      |
| E.N. Central    | 157    | —     | 47          | 44      | —              | 7,221         | 5,258       | 937                 | 14             | 2,916      |
| Ohio            | 15     | —     | 34          | —       | —              | 1,422         | 484         | 109                 | 1              | 210        |
| Ind.            | 20     | —     | NA          | —       | —              | 640           | 376         | 49                  | 1              | 200        |
| Ill.            | 46     | —     | 4           | 33      | —              | 2,749         | 3,316       | 517                 | 9              | 1,725      |
| Mich.           | 28     | —     | 9           | 9       | —              | 1,430         | 452         | 205                 | 3              | 623        |
| Wis.            | 48     | —     | NA          | 2       | —              | 980           | 630         | 57                  | —              | 158        |
| W.N. Central    | 1,002  | —     | 16          | 2       | —              | 2,207         | 911         | 176                 | 1              | 646        |
| Minn.           | 255    | —     | 1           | —       | —              | 590           | 164         | 20                  | —              | 90         |
| Iowa            | 272    | —     | —           | 1       | —              | 186           | 112         | 27                  | —              | 92         |
| Mo.             | 59     | —     | NN          | —       | —              | 660           | 471         | 91                  | —              | 330        |
| N. Dak.         | 129    | —     | 3           | —       | —              | 93            | 25          | 1                   | —              | 3          |
| S. Dak.         | 228    | —     | 1           | —       | —              | 112           | 77          | 7                   | —              | 11         |
| Nebr.           | 17     | —     | NN          | —       | —              | 153           | 26          | 3                   | —              | 17         |
| Kans.           | 42     | —     | 11          | 1       | —              | 413           | 36          | 27                  | 1              | 103        |
| S. Atlantic     | 1,332  | —     | 8           | 26      | —              | 11,070        | 2,554       | 11,726              | 143            | 25,871     |
| Del.            | 9      | —     | NN          | 2       | —              | 252           | 28          | 71                  | 1              | 134        |
| Md.             | 450    | —     | NN          | 4       | —              | 1,810         | 632         | 492                 | 1              | 1,198      |
| D.C.            | 45     | —     | —           | 1       | —              | 256           | 230         | 457                 | 2              | 1,247      |
| Va.             | 362    | —     | NN          | 1       | —              | 1,830         | 247         | 318                 | 3              | 1,047      |
| W. Va.          | 79     | —     | 8           | —       | —              | 223           | 35          | 14                  | —              | 220        |
| N.C.            | 8      | —     | NN          | 1       | —              | 1,101         | 87          | 752                 | 2              | 1,645      |
| S.C.            | 59     | —     | NN          | —       | —              | 1,026         | 147         | 735                 | 17             | 1,531      |
| Ga.             | 209    | —     | NN          | 7       | —              | 1,612         | 330         | 1,434               | 7              | 3,166      |
| Fla.            | 111    | —     | NN          | 10      | —              | 2,960         | 818         | 7,453               | 110            | 15,683     |
| E.S. Central    | 324    | —     | 2           | 2       | —              | 2,361         | 962         | 1,831               | 15             | 4,124      |
| Ky.             | 137    | —     | 2           | 2       | —              | 461           | 33          | 35                  | —              | 167        |
| Tenn.           | 97     | —     | NN          | —       | —              | 587           | 295         | 695                 | 4              | 1,449      |
| Ala.            | 81     | —     | NN          | —       | —              | 798           | 128         | 485                 | 8              | 1,177      |
| Miss.           | 9      | —     | NN          | —       | —              | 515           | 506         | 616                 | 3              | 1,331      |
| W.S. Central    | 603    | —     | 3           | 13      | —              | 4,845         | 2,968       | 4,268               | 46             | 11,468     |
| Ark.            | 123    | —     | 3           | 2       | —              | 550           | 114         | 230                 | —              | 485        |
| La.             | 13     | —     | —           | —       | —              | 1,036         | 611         | 781                 | —              | 2,064      |
| Okla.           | 35     | —     | NN          | 6       | —              | 456           | 156         | 186                 | 1              | 542        |
| Tex.            | 432    | —     | NN          | 5       | —              | 2,803         | 2,087       | 3,071               | 45             | 8,377      |
| Mountain        | 411    | —     | 28          | 26      | 2              | 1,971         | 2,021       | 708                 | 1              | 2,137      |
| Mont.           | 187    | —     | NN          | 8       | —              | 74            | 42          | 11                  | —              | 19         |
| Idaho           | 10     | —     | NN          | 1       | —              | 95            | 44          | 6                   | —              | 64         |
| Wyo.            | 72     | —     | 2           | 1       | —              | 35            | 6           | 4                   | —              | 5          |
| Colo.           | 33     | —     | 6           | —       | —              | 569           | 284         | 125                 | —              | 335        |
| N. Mex.         | 3      | —     | 8           | —       | —              | 461           | 386         | 59                  | —              | 329        |
| Ariz.           | 84     | —     | NN          | 5       | —              | 479           | 1,187       | 300                 | 1              | 968        |
| Utah            | 7      | —     | 12          | 11      | 2              | 115           | 50          | 23                  | —              | 122        |
| Nev.            | 15     | —     | NN          | —       | —              | 143           | 22          | 180                 | —              | 295        |
| Pacific         | 417    | 1     | 35          | 178     | 3              | 7,417         | 4,780       | 8,225               | 74             | 21,743     |
| Wash.           | 10     | —     | NA          | 2       | —              | 655           | 320         | 176                 | 1              | 666        |
| Oreg.           | 5      | —     | NN          | 2       | —              | 305           | 114         | 310                 | 6              | 678        |
| Calif.          | 394    | 1     | 33          | 140     | 3              | 5,915         | 4,261       | 7,718               | 67             | 20,344     |
| Alaska          | 8      | —     | 2           | 2       | —              | 67            | 6           | 4                   | —              | 18         |
| Hawaii          | —      | —     | —           | 32      | —              | 475           | 79          | 17                  | —              | 37         |
| Guam            | —      | —     | —           | 1       | —              | 135           | 114         | —                   | —              | 43         |
| P.R.            | 70     | —     | —           | 4       | —              | 477           | 135         | 853                 | 6              | 2,487      |
| V.I.            | —      | —     | 9           | —       | —              | 13            | 8           | 1                   | —              | 25         |
| American Samoa  | —      | —     | 6           | —       | —              | 6             | 14          | NA                  | —              | NA         |
| C.N.M.I.        | —      | —     | 2           | 1       | —              | 12            | 14          | NA                  | —              | NA         |

\*Civilian cases only.

**NOTIFIABLE DISEASES—Reported cases, by geographic division and area, United States, 1987 (continued)**

| Area             | Tetanus | Toxic-shock syndrome | Trich-inosis | Tubercu-losis | Tularemia | Typhoid fever | Typhus fever |      | Varicella (Chicken-pox) |
|------------------|---------|----------------------|--------------|---------------|-----------|---------------|--------------|------|-------------------------|
|                  |         |                      |              |               |           |               | Murine       | RMSF |                         |
| United States    | 48      | 372                  | 40           | 22,517        | 214       | 400           | 49           | 604  | 213,196                 |
| New England      | 1       | 22                   | 2            | 690           | 1         | 32            | —            | 7    | 18,305                  |
| Maine            | —       | 5                    | —            | 33            | —         | 2             | —            | —    | 2,937                   |
| N.H.             | —       | 1                    | —            | 22            | —         | —             | —            | —    | 4,425                   |
| Vt.              | 1       | 3                    | —            | 17            | —         | 1             | —            | —    | NN                      |
| Mass.            | —       | 7                    | 1            | 396           | 1         | 18            | —            | 3    | 7,632                   |
| R.I.             | —       | 6                    | —            | 58            | —         | 3             | —            | —    | 3,233                   |
| Conn.            | —       | —                    | 1            | 164           | —         | 8             | —            | 4    | 78*                     |
| Mid. Atlantic    | 7       | 49                   | 17           | 4,306         | 1         | 70            | 6            | 30   | 15,871                  |
| N.Y. (excl. NYC) | 1       | 24                   | —            | 615           | 1         | 10            | 4            | 10   | 10,780                  |
| N.Y.C.           | —       | 7                    | —            | 2,197         | —         | 29            | 2            | 5    | 5,091                   |
| N.J.             | 4       | 9                    | 11           | 748           | —         | 23            | —            | 1    | NN                      |
| Pa.              | 2       | 9                    | 6            | 746           | —         | 8             | —            | 14   | NN                      |
| E.N. Central     | 7       | 66                   | 2            | 2,482         | 6         | 50            | 1            | 38   | 93,007                  |
| Ohio             | 1       | 28                   | 1            | 438           | 1         | 9             | —            | 17   | 9,614                   |
| Ind.             | 2       | 3                    | —            | 299           | —         | 5             | —            | 3    | NA                      |
| Ill.             | 2       | 13                   | 1            | 1,094         | 3         | 28            | —            | 10   | 39,695                  |
| Mich.            | 2       | 22                   | —            | 551           | —         | 5             | —            | 5    | 43,698                  |
| Wis.             | —       | —                    | —            | 100           | 2         | 3             | 1            | 3    | NA                      |
| W.N. Central     | 4       | 48                   | 1            | 634           | 83        | 14            | —            | 59   | 26,383                  |
| Minn.            | —       | 12                   | —            | 123           | —         | 6             | —            | —    | NN                      |
| Iowa             | —       | 6                    | —            | 44            | 4         | —             | —            | 1    | 8,714                   |
| Mo.              | 1       | 12                   | 1            | 339           | 58        | 7             | —            | 26   | 6,944                   |
| N. Dak.          | —       | 5                    | —            | 14            | 1         | —             | —            | —    | 1,168                   |
| S. Dak.          | —       | 2                    | —            | 29            | 9         | —             | —            | 1    | 574                     |
| Nebr.            | —       | 3                    | —            | 25            | 3         | —             | —            | 3    | 673                     |
| Kans.            | 3       | 8                    | —            | 60            | 8         | 1             | —            | 28   | 8,310                   |
| S. Atlantic      | 6       | 26                   | 6            | 4,791         | 5         | 43            | —            | 231  | 12,896                  |
| Del.             | —       | 1                    | —            | 49            | 1         | —             | —            | 3    | 50                      |
| Md.              | —       | 4                    | —            | 428           | —         | 8             | —            | 43   | 2,042                   |
| D.C.             | —       | 2                    | —            | 158           | —         | 3             | —            | —    | 44                      |
| Va.              | —       | 1                    | 5            | 458           | 2         | 10            | —            | 22   | 2,754                   |
| W. Va.           | —       | 1                    | —            | 99            | —         | 1             | —            | 7    | 7,481                   |
| N.C.             | 1       | 5                    | —            | 662           | 2         | 3             | —            | 84   | NN                      |
| S.C.             | 1       | 4                    | 1            | 462           | —         | —             | —            | 36   | 525                     |
| Ga.              | —       | 3                    | —            | 889           | —         | 2             | —            | 32   | NN                      |
| Fla.             | 4       | 5                    | —            | 1,586         | —         | 16            | —            | 4    | NN                      |
| E.S. Central     | 4       | 16                   | —            | 1,940         | 11        | 4             | —            | 103  | 3,072                   |
| Ky.              | —       | 7                    | —            | 421           | 4         | 2             | —            | 13   | 2,750                   |
| Tenn.            | 1       | 3                    | —            | 609           | 3         | 1             | —            | 59   | 322                     |
| Ala.             | 3       | 6                    | —            | 541           | 1         | 1             | —            | 11   | NN                      |
| Miss.            | —       | —                    | —            | 369           | 3         | —             | —            | 20   | NN                      |
| W.S. Central     | 7       | 41                   | —            | 2,694         | 79        | 42            | 34           | 118  | 27,796                  |
| Ark.             | 1       | —                    | —            | 337           | 45        | 2             | —            | 12   | 175                     |
| La.              | —       | —                    | —            | 350           | 3         | —             | —            | —    | NN                      |
| Okla.            | 1       | 20                   | —            | 250           | 26        | 4             | —            | 84   | NN                      |
| Tex.             | 5       | 21                   | —            | 1,757         | 5         | 36            | 34           | 22   | 27,621                  |
| Mountain         | 3       | 41                   | —            | 592           | 16        | 16            | —            | 14   | 12,875                  |
| Mont.            | —       | 1                    | —            | 21            | 2         | —             | —            | 11   | 874                     |
| Idaho            | 2       | 3                    | —            | 34            | 1         | —             | —            | —    | NN                      |
| Wyo.             | —       | 1                    | —            | 3             | —         | —             | —            | 1    | 383                     |
| Colo.            | —       | 4                    | —            | 94            | 5         | —             | —            | 1    | NN                      |
| N. Mex.          | —       | 2                    | —            | 99            | 1         | 11            | —            | —    | NN                      |
| Ariz.            | —       | 11                   | —            | 273           | 3         | 4             | —            | —    | 9,708                   |
| Utah             | —       | 17                   | —            | 29            | 2         | —             | —            | 1    | 302                     |
| Nev.             | 1       | 2                    | —            | 39            | 2         | 1             | —            | —    | 1,608                   |
| Pacific          | 9       | 63                   | 12           | 4,388         | 12        | 129           | 8            | 4    | 2,991                   |
| Wash.            | 1       | 14                   | —            | 255           | 4         | 9             | —            | —    | NN                      |
| Oreg.            | 1       | —                    | 1            | 159           | 5         | 3             | —            | 1    | NN                      |
| Calif.           | 6       | 48                   | 6            | 3,718         | 2         | 109           | 6            | 3    | 1,507                   |
| Alaska           | —       | NN                   | 5            | 61            | 1         | —             | —            | NN   | NN                      |
| Hawaii           | 1       | 1                    | —            | 195           | —         | 8             | 2            | NN   | 1,484                   |
| Guam             | —       | —                    | —            | 33            | —         | —             | —            | —    | 328                     |
| P.R.             | 4       | —                    | —            | 321           | —         | 1             | —            | —    | 781                     |
| V.I.             | —       | —                    | —            | 1             | —         | —             | —            | —    | 331                     |
| American Samoa   | —       | —                    | —            | NA            | —         | 1             | —            | —    | 172                     |
| C.N.M.I.         | —       | —                    | —            | 131           | —         | 1             | —            | —    | 109                     |

\*Ages 18 +.

## NOTIFIABLE DISEASES — Summary of reported cases, by age group, United States, 1987

| Disease                       | Total    | Under 1           | 1-4   | 5-9    | 10-14 | 15-19   | 20-24   | 25-29   | 30-39   | 40-49              | 50-59  | 60 +   | Age not stated |
|-------------------------------|----------|-------------------|-------|--------|-------|---------|---------|---------|---------|--------------------|--------|--------|----------------|
| AIDS                          | 21,070   | 135               | 126   | 39     | 28    | 70      | 937     | 3,376   | 9,604   | 4,499              | 1,552  | 699    | 5              |
| Cholera                       | 6        | —                 | —     | —      | —     | —       | —       | —       | —       | 2                  | —      | 4      | —              |
| Diphtheria                    | 3        | —                 | 1     | —      | —     | —       | —       | —       | 1       | —                  | —      | 1      | —              |
| Gonorrhea                     | 780,905* | (.....1,946.....) |       |        | 7,041 | 188,233 | 292,938 | 159,473 | 101,946 | (.....29,328.....) |        |        | —              |
| Hepatitis A                   | 25,280   | 81                | 841   | 2,019  | 1,356 | 1,500   | 2,625   | 3,030   | 3,460   | 1,120†             | 654†   | 772†   | 7,730          |
| Hepatitis B                   | 25,916   | 219               | 134   | 145    | 198   | 1,705   | 4,124   | 4,665   | 5,357   | 1,827†             | 940†   | 1,176† | 5,253          |
| Hepatitis non-A non-B         | 2,999    | 10                | 21    | 32     | 38    | 155     | 318     | 411     | 521     | 228†               | 152†   | 363†   | 713            |
| Hepatitis, unspecified        | 3,102    | 24                | 49    | 148    | 105   | 152     | 332     | 408     | 465     | 163†               | 111†   | 160†   | 960            |
| Measles (rubeola)             | 3,655    | 141               | 895   | 324    | 688   | 1,071   | 187     | 153     | 110     | 29†                | 4†     | 3†     | 48             |
| Meningococcal infections      | 2,930    | 707               | 781   | 214    | 111   | 250     | 145     | 81      | 139     | 114†               | 92†    | 217†   | 58             |
| Mumps                         | 12,848   | 75                | 729   | 2,196  | 4,567 | 3,455   | 634     | 177     | 244     | 89†                | 27†    | 27†    | 601            |
| Pertussis (whooping cough)    | 2,823    | 1,306             | 725   | 209    | 144   | 108     | 50      | 42      | 65      | 30                 | 17     | 8      | 119            |
| Plague                        | 12       | —                 | 1     | 1      | 1     | 1       | 1       | 1       | 4       | —                  | 1      | 1      | —              |
| Poliomyelitis, paralytic      | —        | —                 | —     | —      | —     | —       | —       | —       | —       | —                  | —      | —      | —              |
| Rubella (German measles)      | 306      | 33                | 50    | 47     | 24    | 27      | 24      | 48      | 38      | 5                  | 1      | 3      | 6              |
| Salmonellosis                 | 50,916   | 7,978             | 7,817 | 2,895  | 1,647 | 2,398   | 3,437   | 3,359   | 5,111   | 2,702†             | 2,198† | 5,699† | 5,107          |
| Shigellosis                   | 23,860   | 1,440             | 6,841 | 3,877  | 1,122 | 836     | 1,575   | 1,740   | 2,419   | 1,012†             | 567†   | 834†   | 1,407          |
| Syphilis, primary & secondary | 35,147*  | (.....24.....)    |       |        | 229   | 4,331   | 10,209  | 8,434   | 8,198   | (.....3,722.....)  |        |        | —              |
| Tetanus                       | 48       | —                 | 1     | 2      | 1     | 2       | —       | 2       | 6       | 4                  | 6      | 23     | 1              |
| Tuberculosis                  | 22,517   | 120               | 554   | 309    | 194   | 535     | 1,241   | 1,826   | 4,117   | 3,042              | 2,933  | 7,634  | 12             |
| Typhoid fever                 | 400      | 8                 | 31    | 34     | 30    | 34      | 57      | 48      | 65      | 21†                | 14†    | 27†    | 24             |
| Varicella (chickenpox)        | 213,196  | 588               | 6,273 | 36,271 | 8,340 | 1,617   | 239     | 110     | 92      | 15                 | 8      | 6      | 159,637‡       |

\*Civilian cases only.

†Data reported by the state of Illinois for the three age groups over 40 years are recorded as 40+. Cases reported in this grouping are as follows: Hepatitis A (92); Hepatitis B (173); Hepatitis non-A, non-B (37); Hepatitis, unspecified (25); Measles (2); Meningococcal infections, civilian (21); Mumps (27); Salmonellosis (568); Shigellosis (190); and Typhoid fever (7).

‡Includes 823 cases reported by the state of Texas for ages 15+.

NOTE: Cases of hepatitis reported by the state of California are included in the column for age not stated; age distributions are not available. For total cases reported by California, see table on page 6.

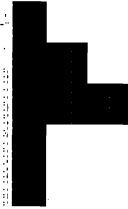
AIDS total updated through July 18, 1988.

# Estimates of the resident population of the United States, by age, sex, and race\*, July 1, 1987

| Age               | Total   | Total   |         | White   |         |         | Black and other races |        |        | Black  |        |        |
|-------------------|---------|---------|---------|---------|---------|---------|-----------------------|--------|--------|--------|--------|--------|
|                   |         | Male    | Female  | Total   | Male    | Female  | Total                 | Male   | Female | Total  | Male   | Female |
| All Ages          | 243,400 | 118,531 | 124,869 | 205,820 | 100,589 | 105,231 | 37,580                | 17,942 | 19,639 | 29,736 | 14,103 | 15,633 |
| <1                | 3,771   | 1,931   | 1,841   | 3,054   | 1,567   | 1,487   | 717                   | 363    | 354    | 572    | 289    | 283    |
| 1-4               | 14,481  | 7,411   | 7,070   | 11,700  | 6,000   | 5,700   | 2,780                 | 1,411  | 1,369  | 2,173  | 1,104  | 1,069  |
| 5-9               | 17,661  | 9,037   | 8,625   | 14,240  | 7,305   | 6,935   | 3,421                 | 1,731  | 1,690  | 2,728  | 1,383  | 1,345  |
| 10-14             | 16,485  | 8,450   | 8,035   | 13,246  | 6,803   | 6,442   | 3,239                 | 1,646  | 1,592  | 2,589  | 1,314  | 1,275  |
| 15-19             | 18,459  | 9,412   | 9,047   | 15,014  | 7,664   | 7,350   | 3,445                 | 1,748  | 1,697  | 2,790  | 1,406  | 1,384  |
| 20-24             | 19,793  | 9,915   | 9,878   | 13,367  | 8,238   | 8,129   | 3,426                 | 1,677  | 1,748  | 2,762  | 1,334  | 1,428  |
| 25-29             | 21,980  | 11,009  | 10,971  | 18,435  | 9,313   | 9,121   | 3,545                 | 1,696  | 1,850  | 2,811  | 1,334  | 1,477  |
| 30-34             | 21,335  | 10,661  | 10,674  | 17,975  | 9,071   | 8,903   | 3,360                 | 1,589  | 1,771  | 2,593  | 1,215  | 1,378  |
| 35-39             | 18,738  | 9,273   | 9,465   | 15,968  | 7,994   | 7,974   | 2,770                 | 1,279  | 1,491  | 2,108  | 964    | 1,144  |
| 40-44             | 15,567  | 7,639   | 7,928   | 13,505  | 6,696   | 6,809   | 2,062                 | 943    | 1,119  | 1,546  | 699    | 846    |
| 45-49             | 12,350  | 6,025   | 6,326   | 10,631  | 5,239   | 5,392   | 1,719                 | 786    | 934    | 1,323  | 594    | 729    |
| 50-54             | 10,926  | 5,285   | 5,641   | 9,437   | 4,612   | 4,825   | 1,489                 | 674    | 816    | 1,169  | 523    | 646    |
| 55-59             | 11,121  | 5,298   | 5,823   | 9,735   | 4,673   | 5,063   | 1,385                 | 625    | 760    | 1,112  | 506    | 607    |
| 60+               | 40,734  | 17,187  | 23,547  | 36,512  | 15,412  | 21,098  | 4,220                 | 1,774  | 2,447  | 3,461  | 1,439  | 2,022  |
| Median age, years | 32.1    | 31.0    | 33.3    | 33.0    | 31.9    | 34.2    | 27.5                  | 26.2   | 28.7   | 27.2   | 25.8   | 28.5   |

\*Numbers in thousands

Source: U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1022, Estimates of the Population of the United States, by Age, Sex, and Race, 1980-1987.

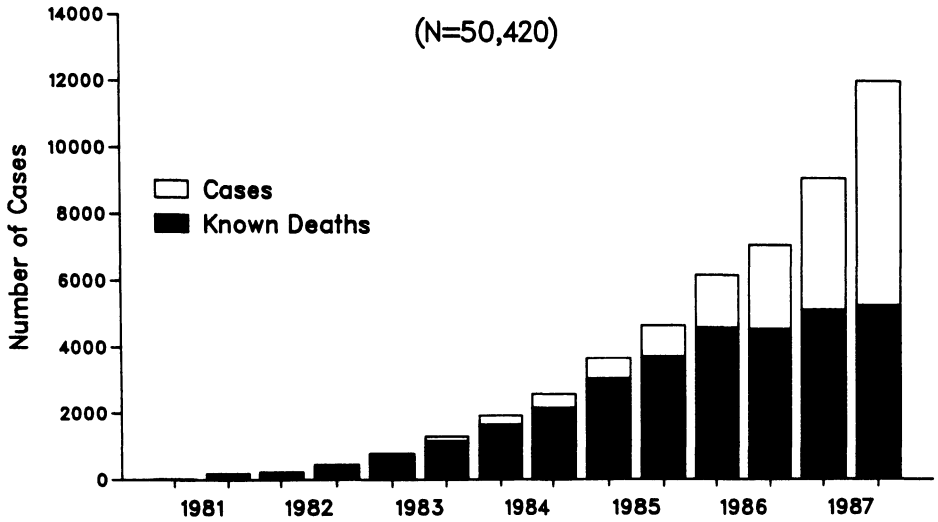


# **PART 2:**

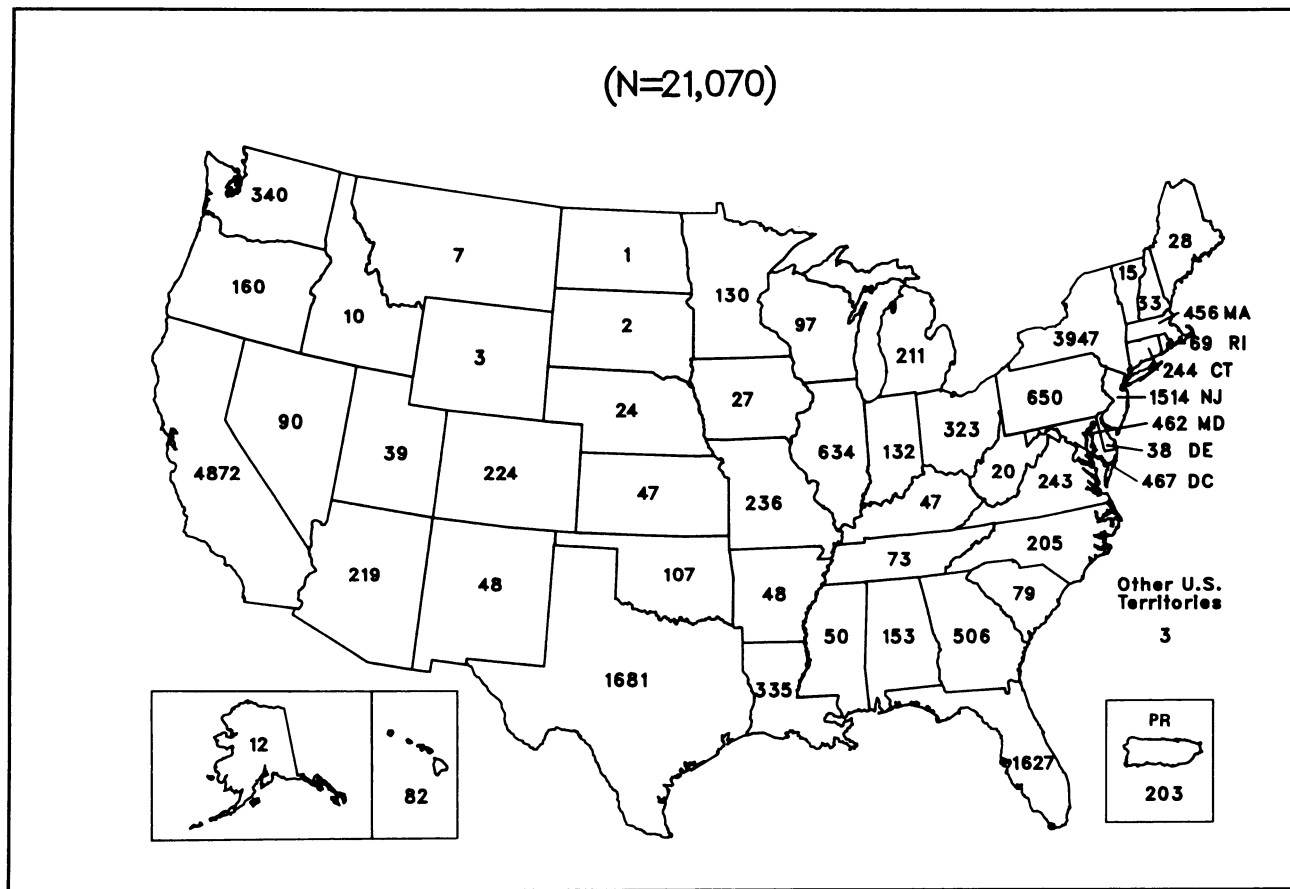
## **Graphs and Maps for Selected Notifiable Diseases in the United States**



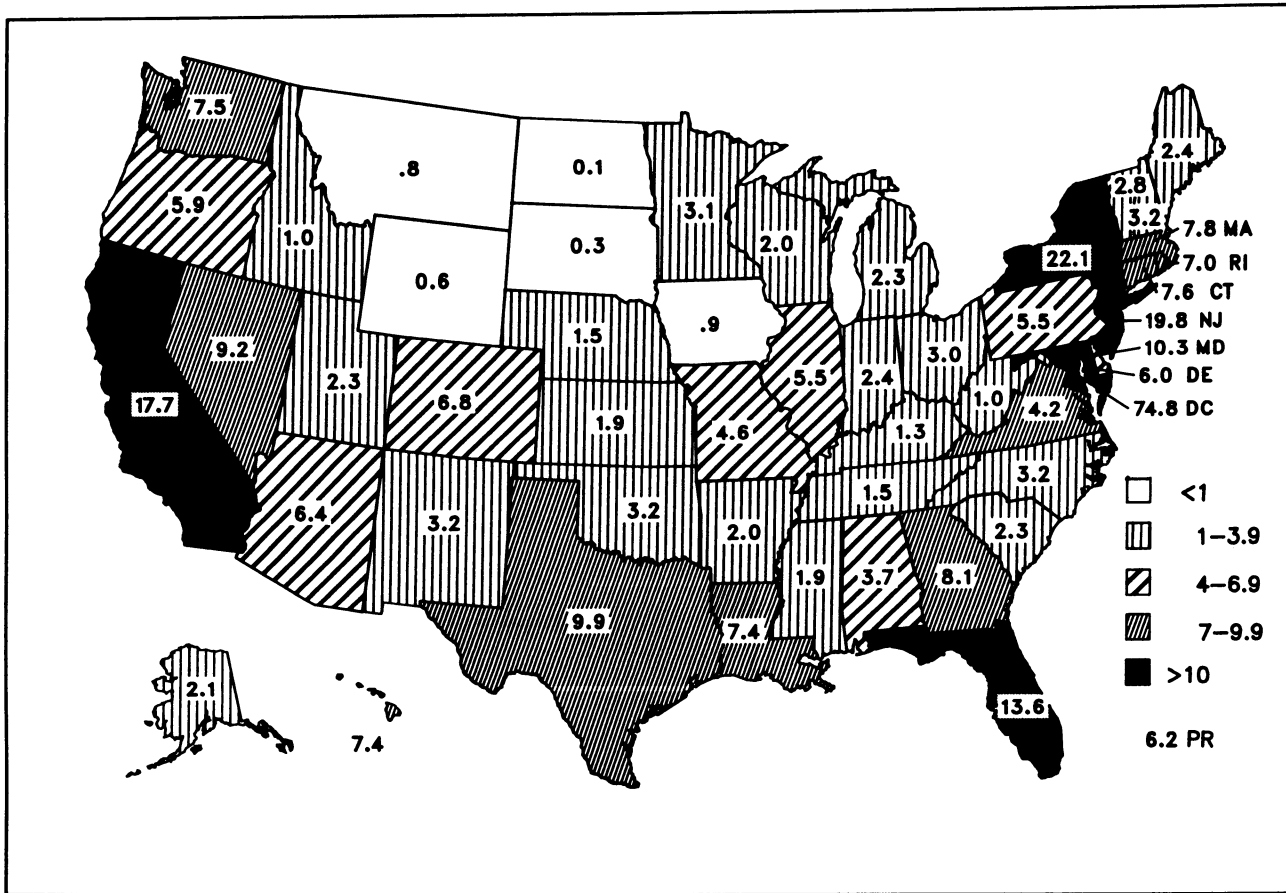
**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) — Cases and known deaths, by six-month periods of report to CDC, United States, 1981-1987**



## ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) – Cases reported to CDC by state, United States, 1987

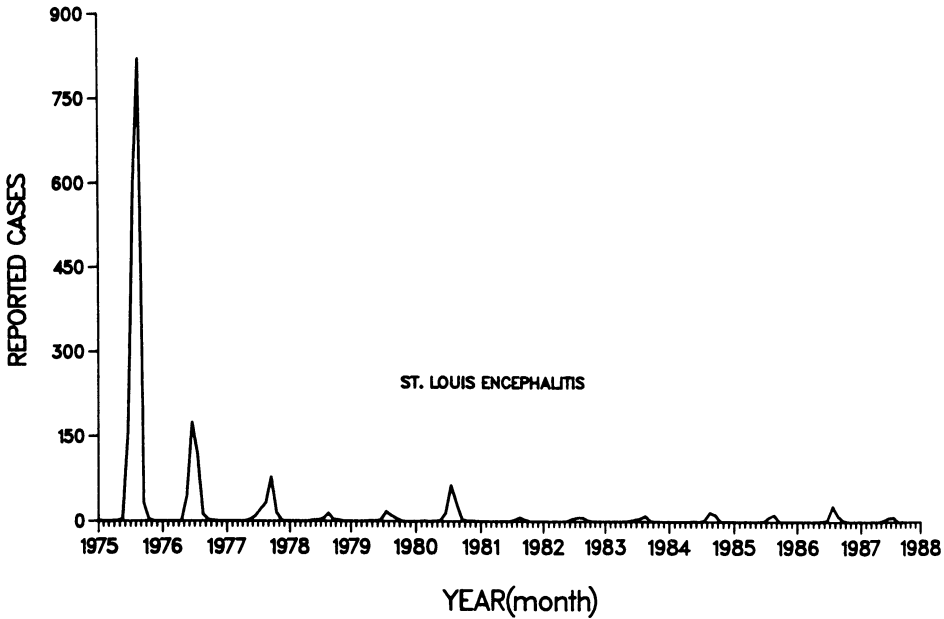


**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) – Cases per 100,000 population, reported to CDC by state, United States, 1987**

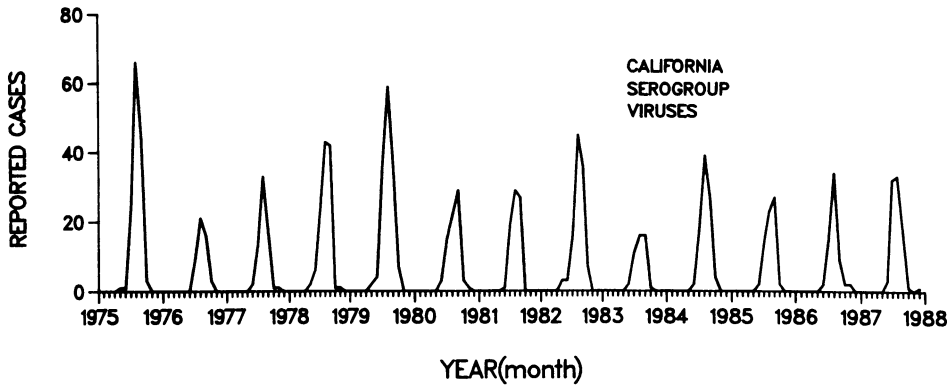


**GRAPHS AND MAPS**

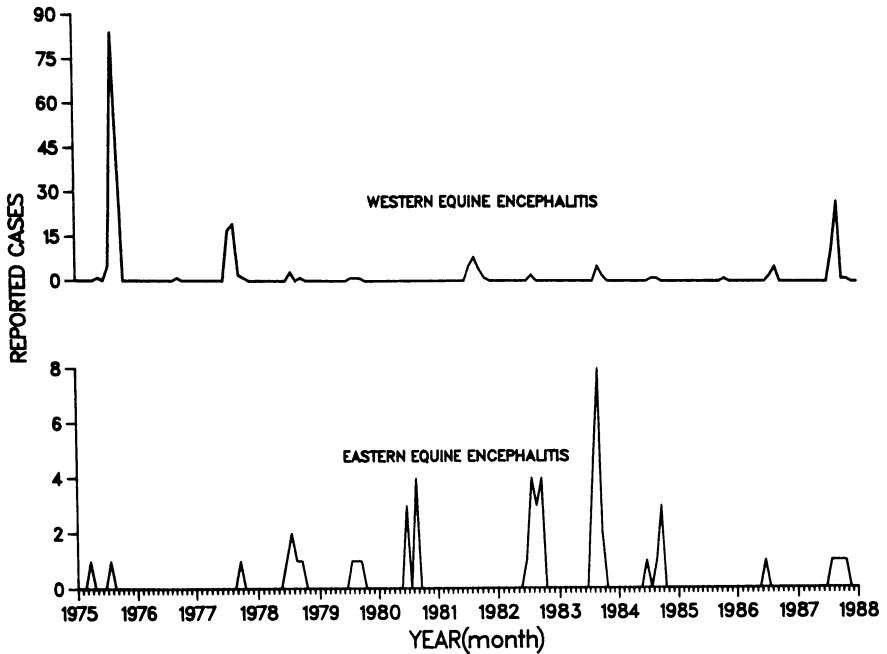
**ARBOVIRAL INFECTIONS (of the central nervous system) – Cases due to St. Louis encephalitis virus, by month, United States, 1975-1987**



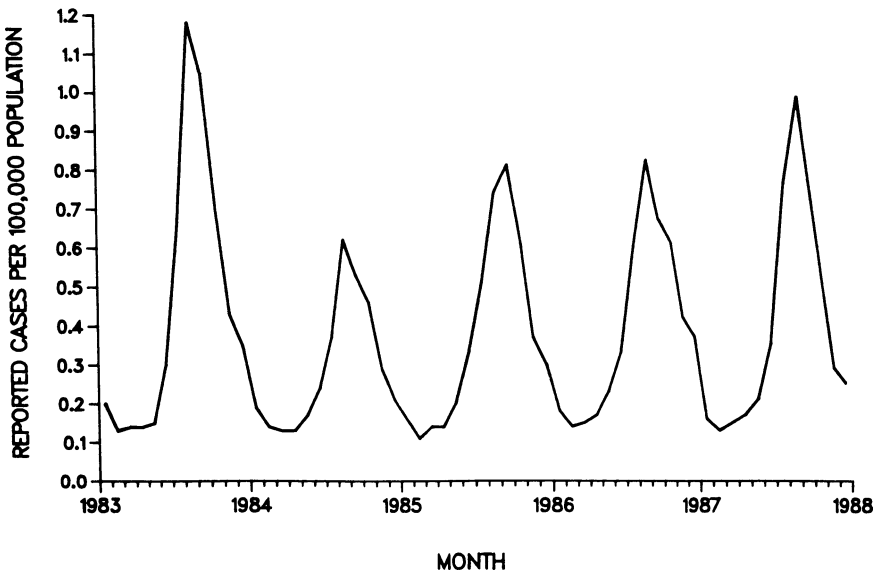
**ARBOVIRAL INFECTIONS (of the central nervous system) – Cases due to California serogroup viruses, by month, United States, 1975-1987**



**ARBOVIRAL INFECTIONS (of the central nervous system) — Cases due to Western and Eastern equine encephalitis viruses, by month, United States, 1975-1987**

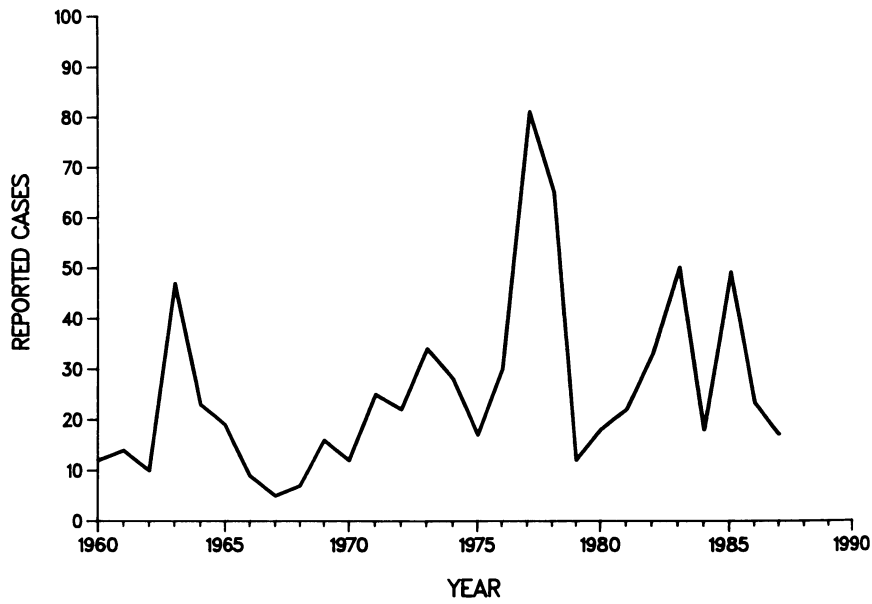


**ASEPTIC MENINGITIS — By month, United States, 1983-1987**



**GRAPHS AND MAPS**

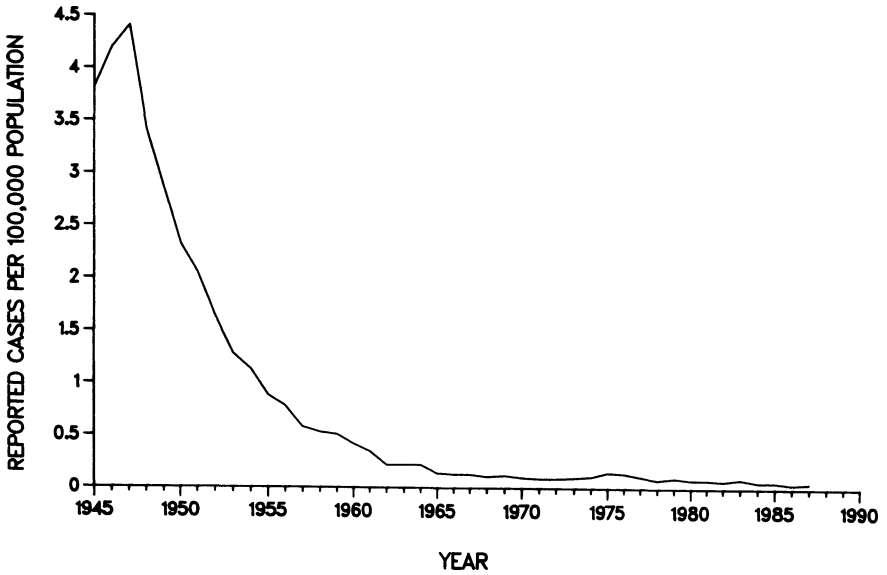
**BOTULISM (foodborne) — By year, United States, 1960-1987**



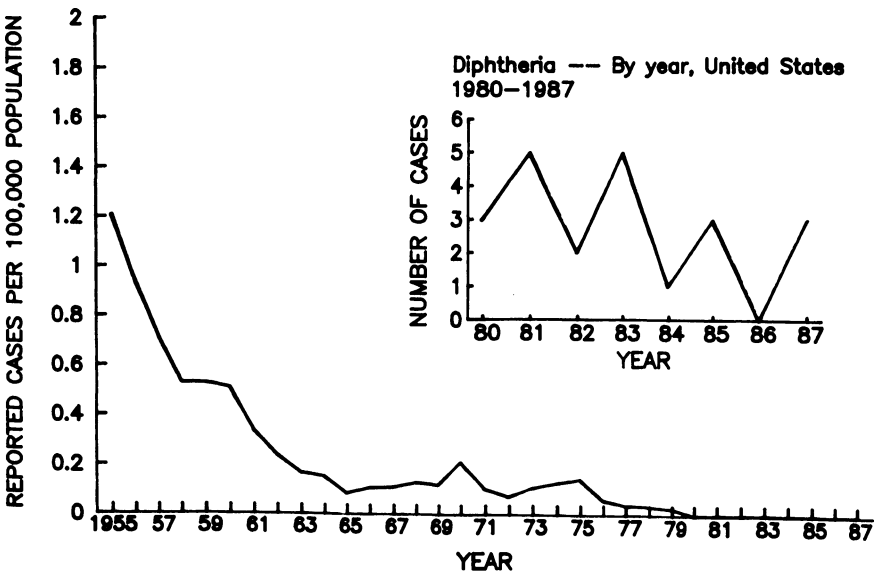
**BOTULISM (infant) — by year, United States, 1975-1987**



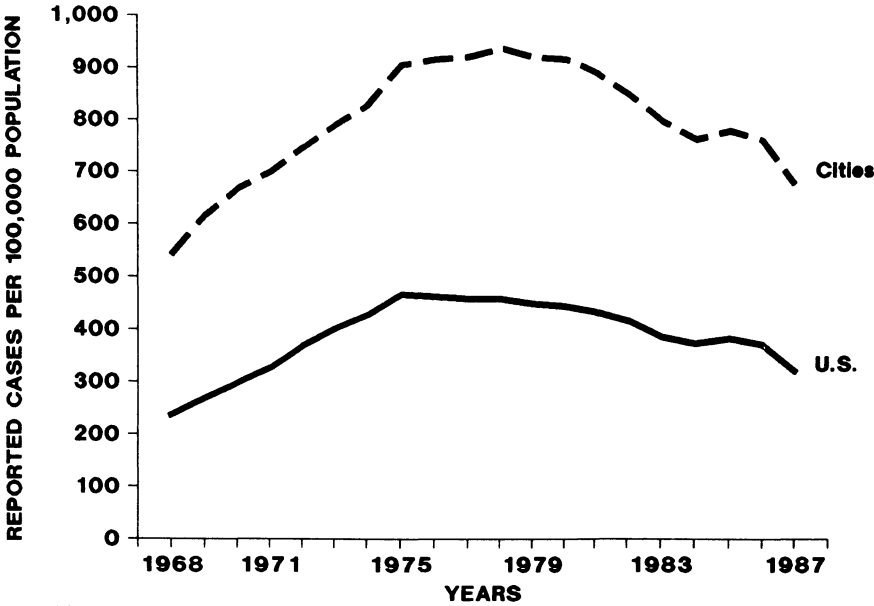
**BRUCELLOSIS — By year, United States, 1945-1987**



**DIPHTHERIA — By year, United States, 1955-1987**

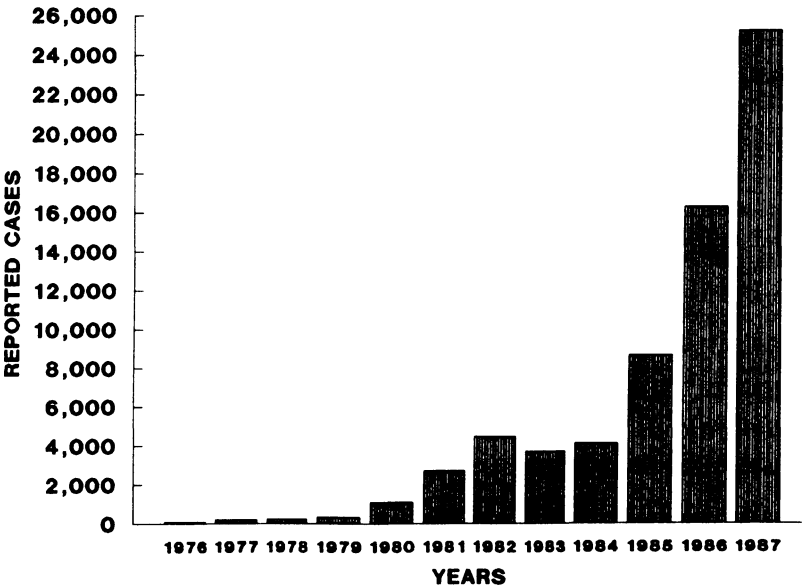


GONORRHEA — By year, United States and large cities,\* 1968-1987



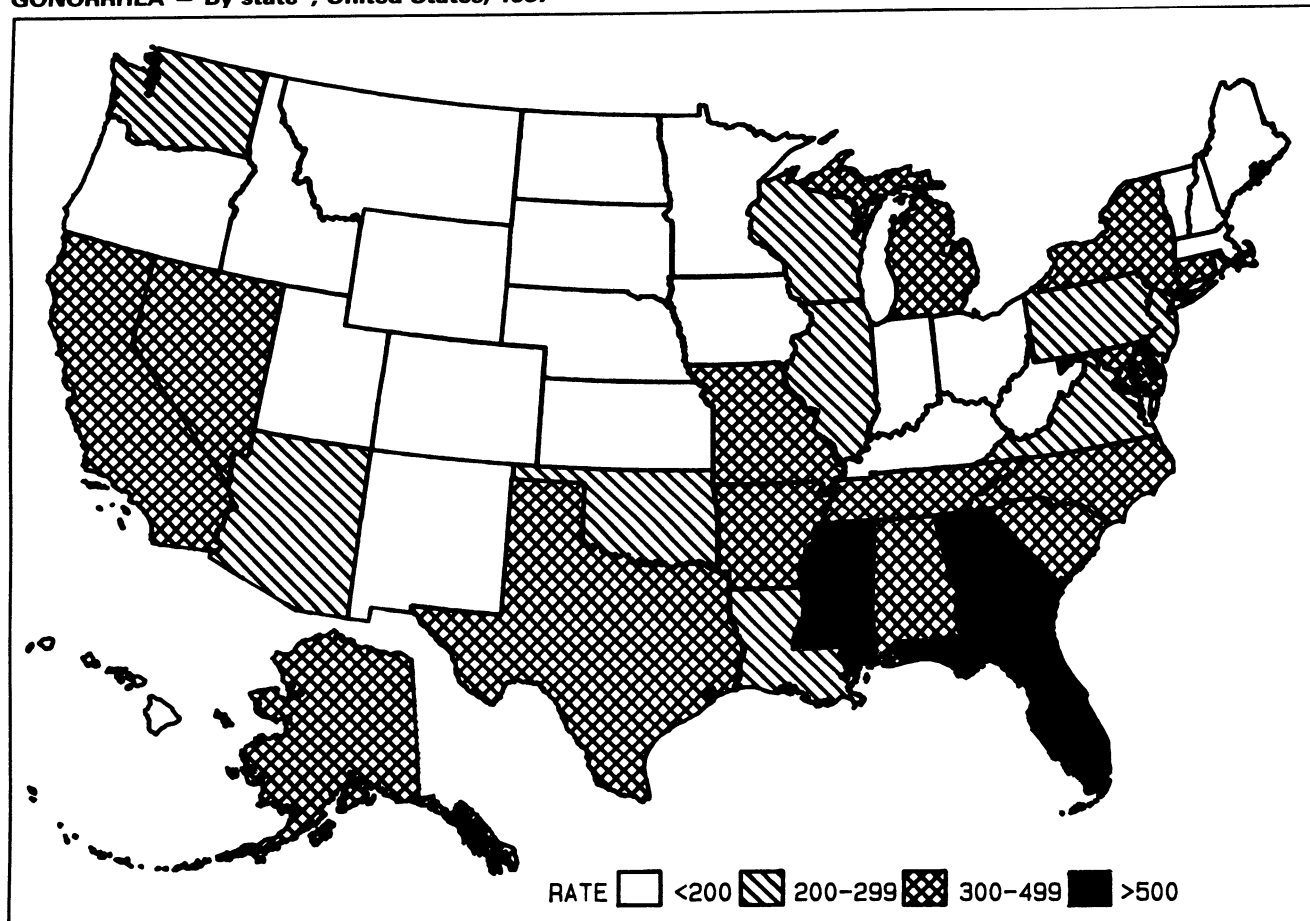
\*Cities with populations over 2000,000

GONORRHEA — Total resistant strains, United States, 1976-1987



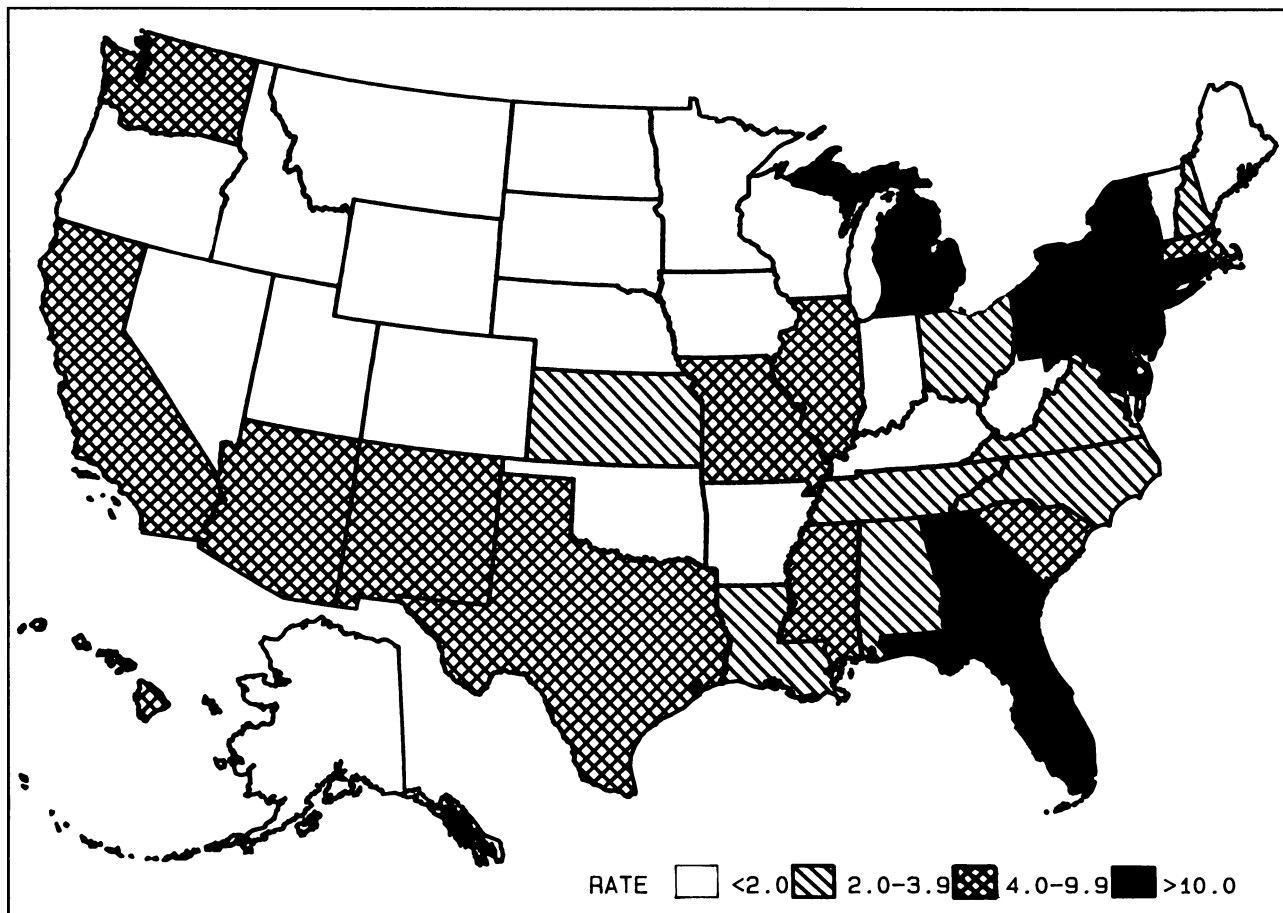
First case reported in March 1976

**GONORRHEA — By state\*, United States, 1987**



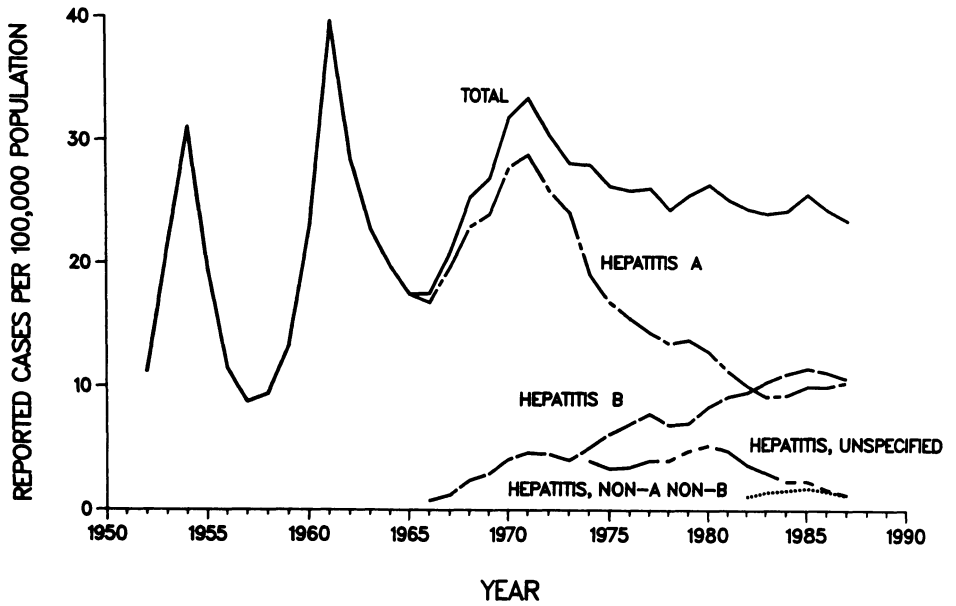
\*Based on reported cases per 100,000 population.

GONORRHEA — Total resistant strains, by state,\* United States, 1987

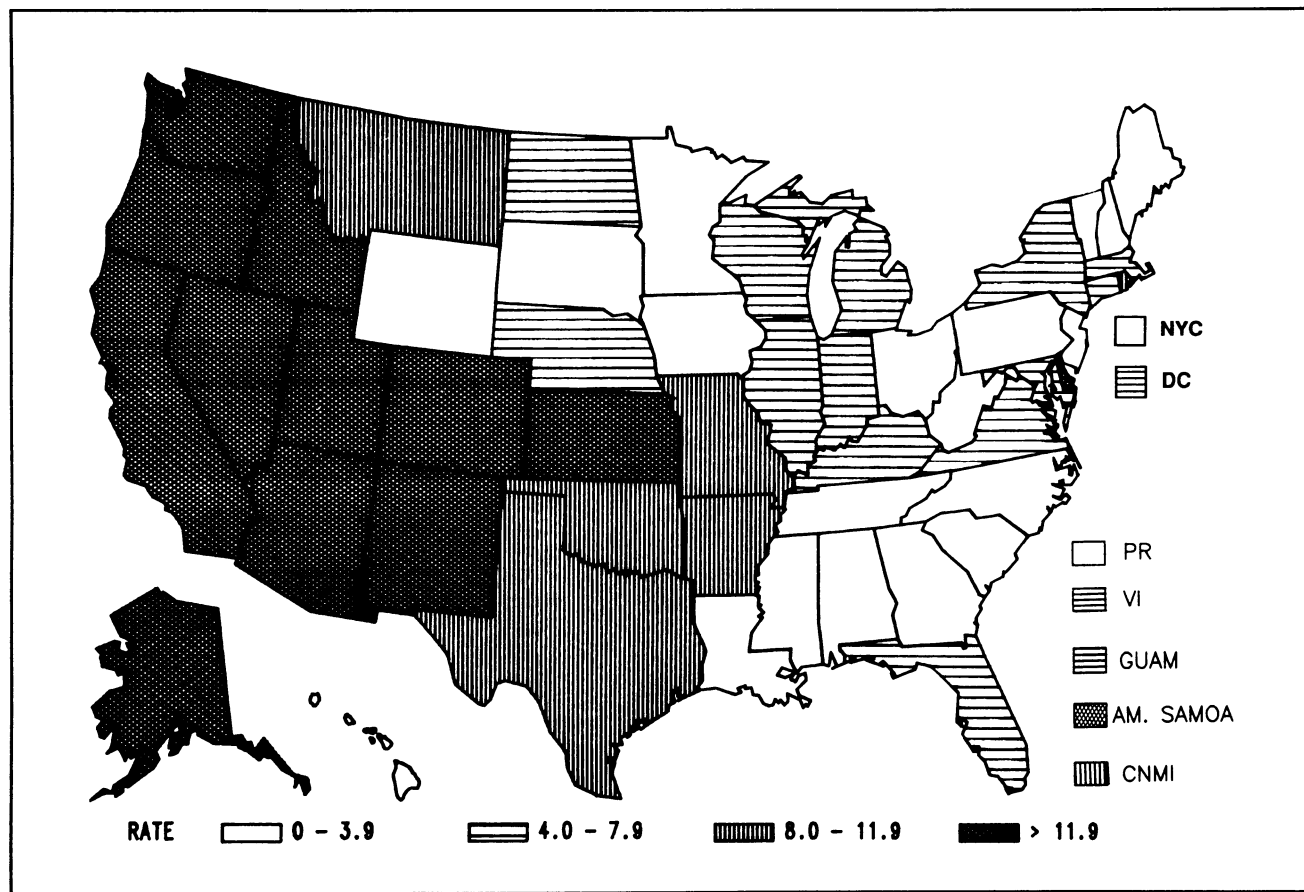


\*Based on reported cases per 100,000 population.

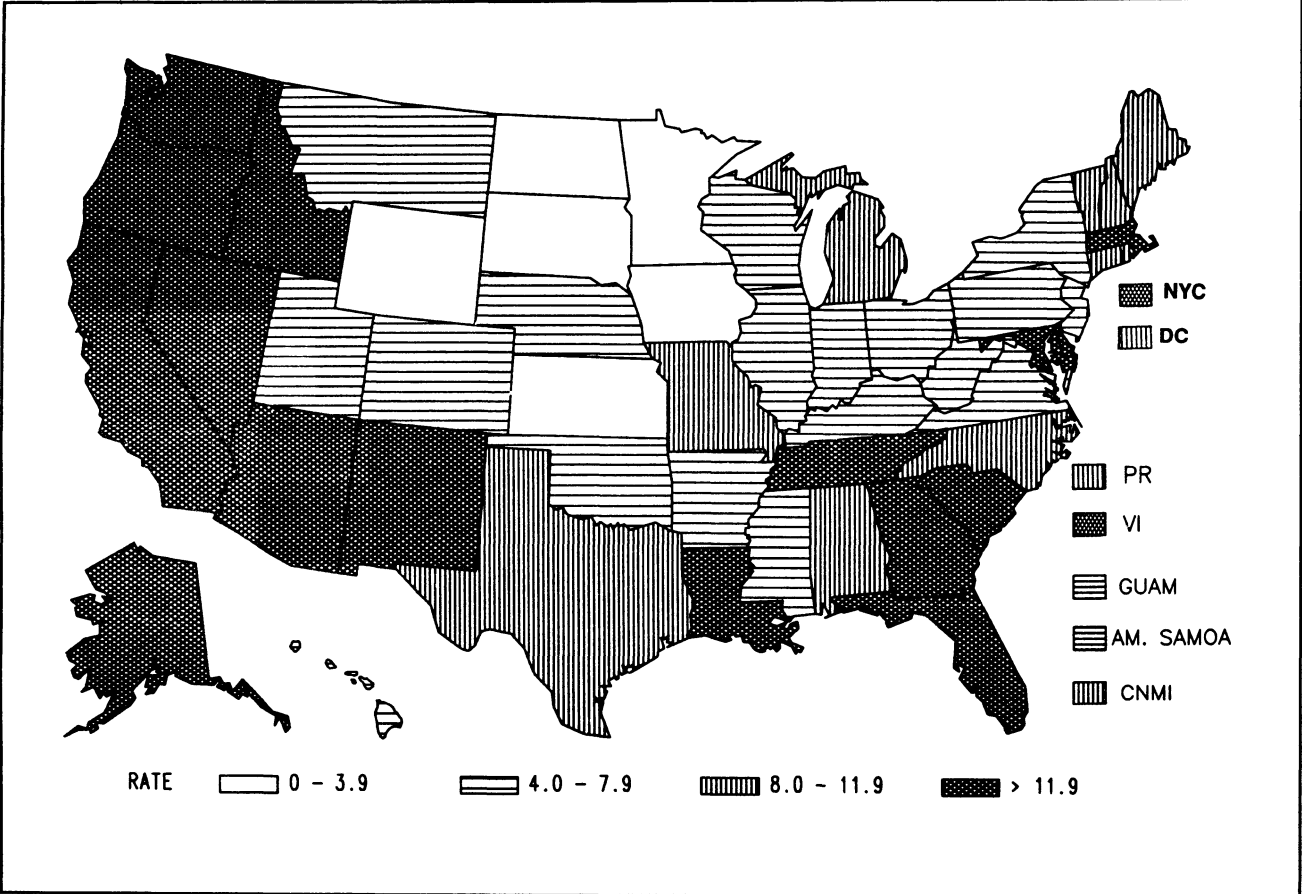
HEPATITIS — By year, United States, 1952-1987



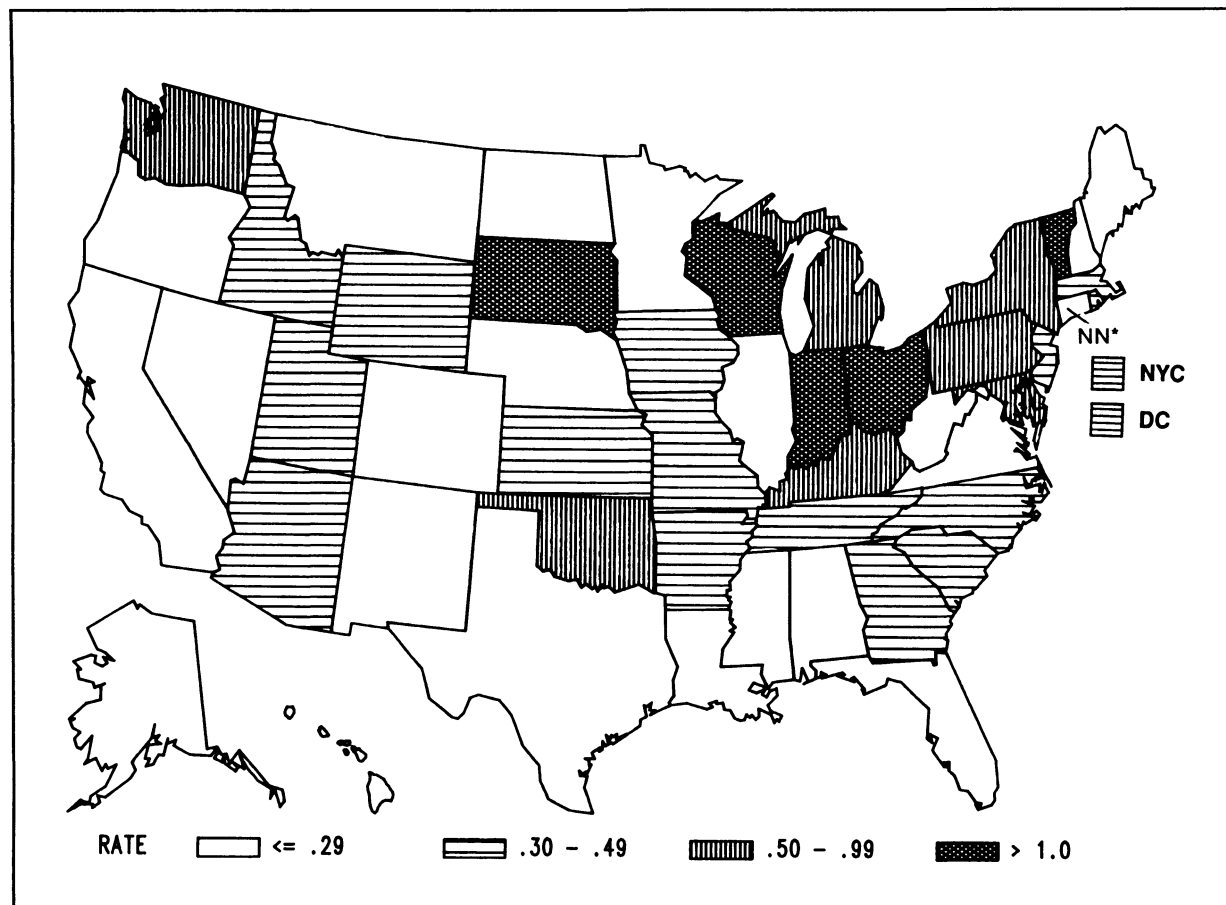
# HEPATITIS A — Reported cases, per 100,000 population, United States, 1987



HEPATITIS B – Reported cases, per 100,000 population, United States, 1987

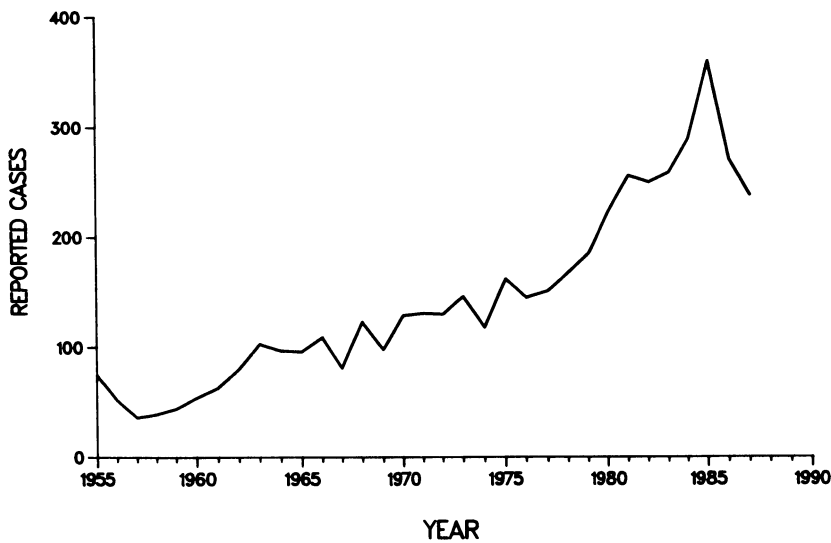


# LEGIONELLOSIS – Reported cases, per 100,000 population, United States, 1987

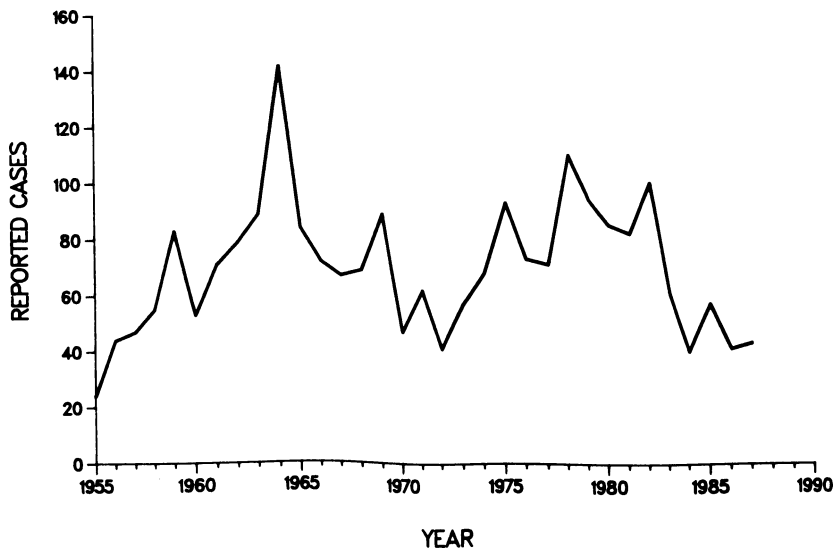


\*Not notifiable.

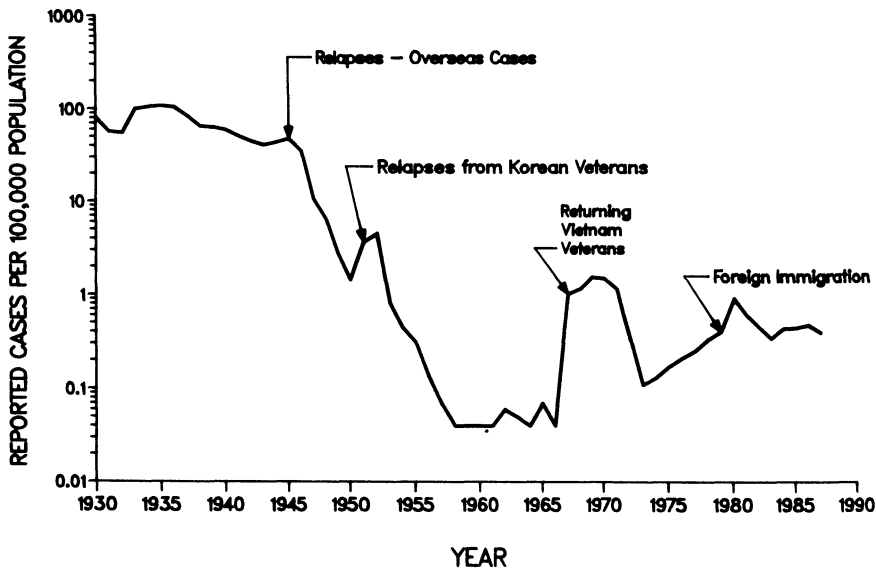
LEPROSY – By year, United States, 1955-1987



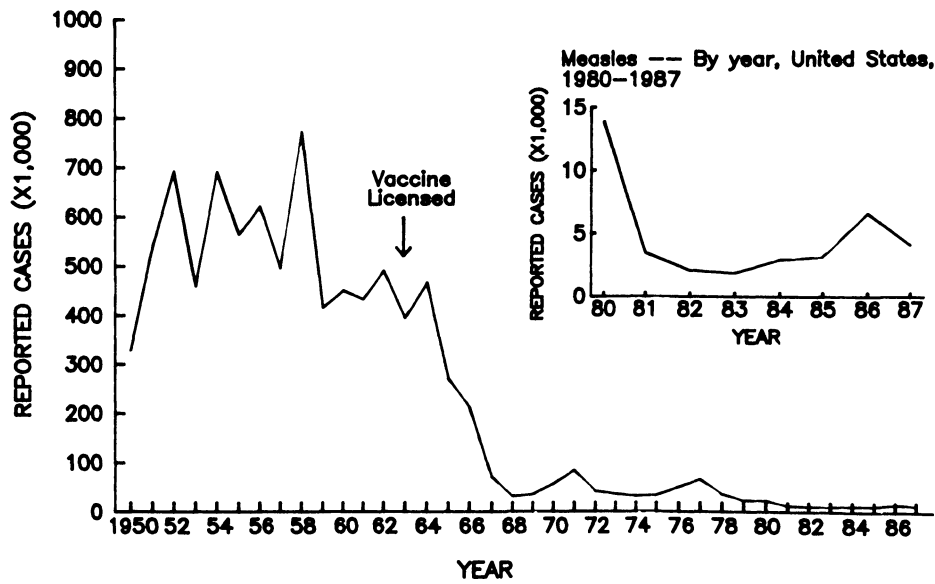
LEPTOSPIROSIS – By year, United States, 1955-1987



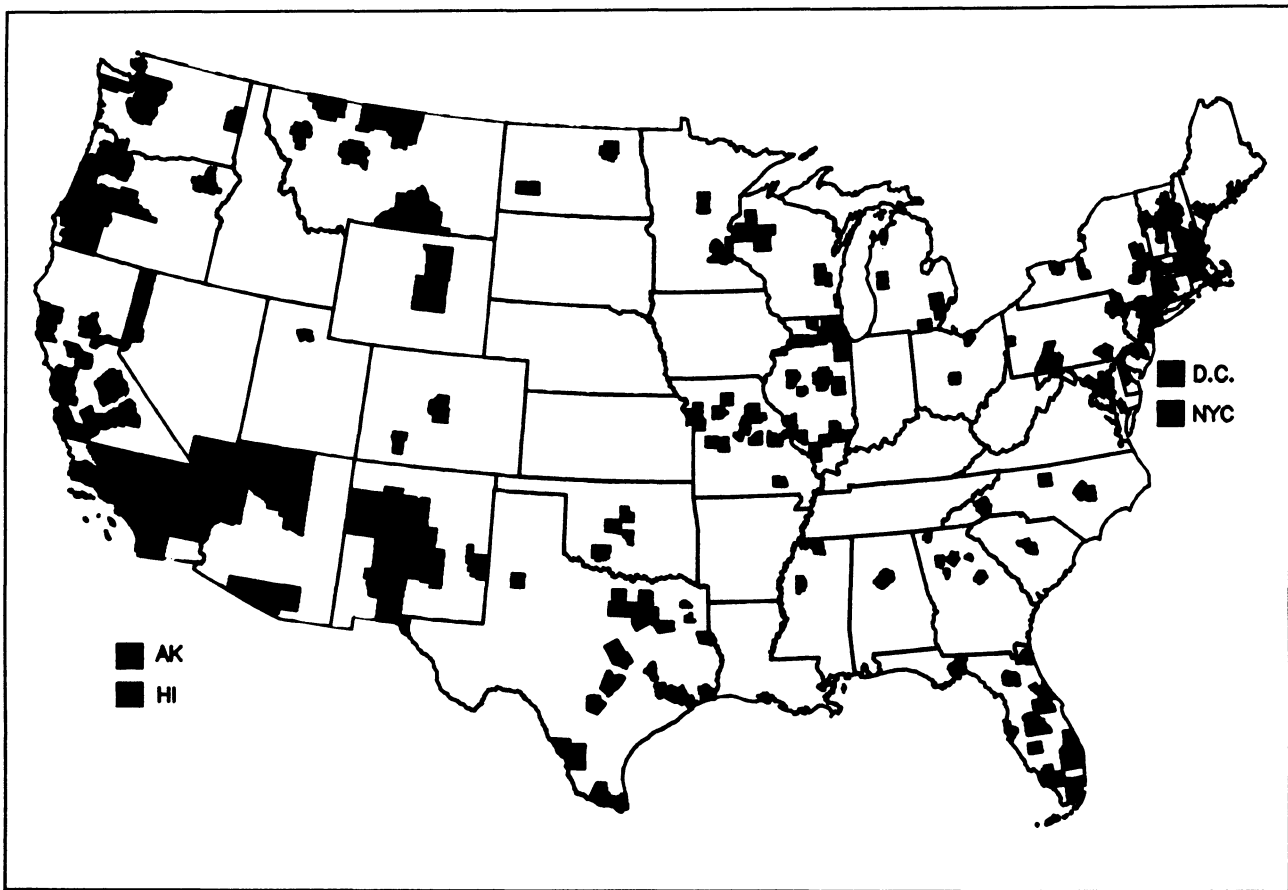
MALARIA – By year, United States, 1930-1987



MEASLES (rubeola) – By year, United States, 1950-1987

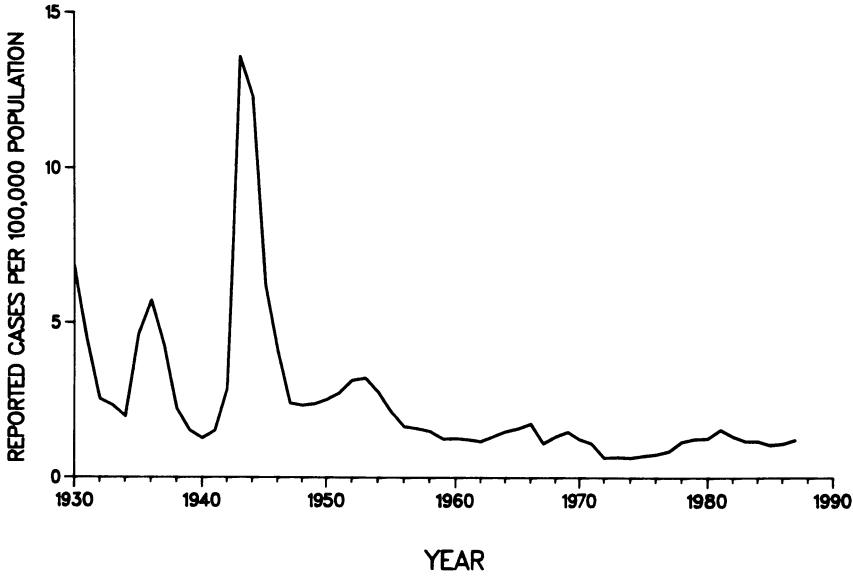


MEASLES (rubeola) — Counties reporting cases, United States, 1987

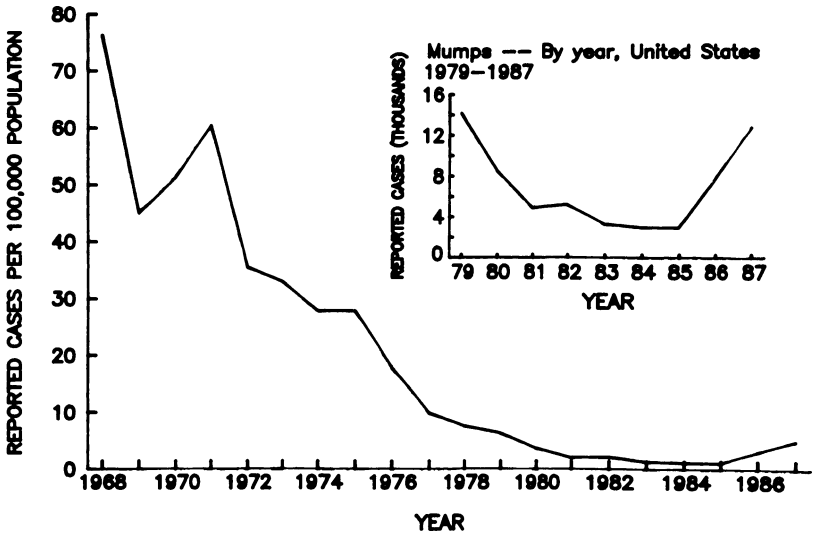


**GRAPHS AND MAPS**

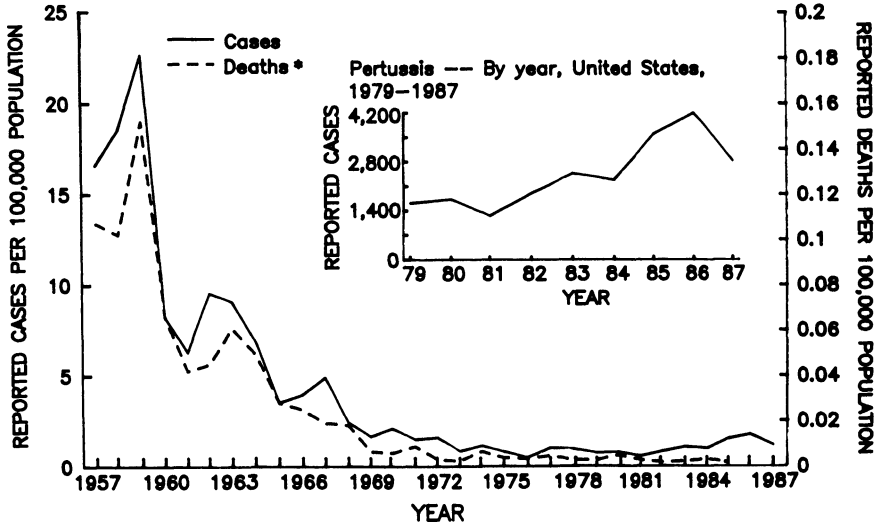
**MENINGOCOCCAL INFECTION – By year, United States, 1930-1987**



**MUMPS – By year, United States, 1968-1987**

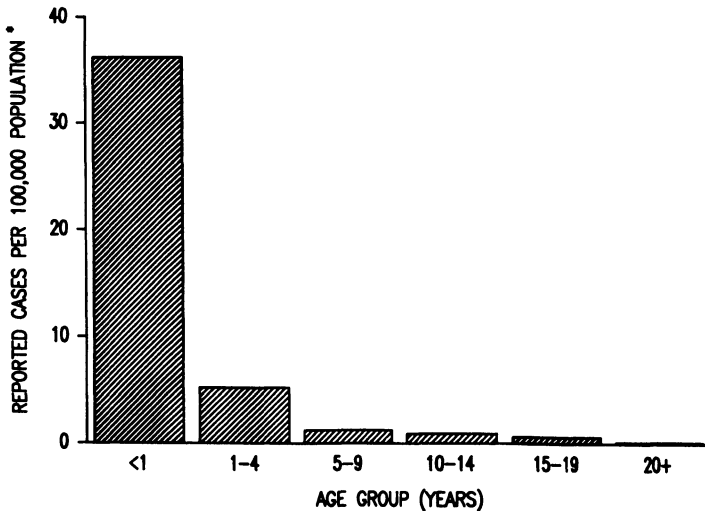


**PERTUSSIS (whooping cough) — By year, United States, 1957-1987**



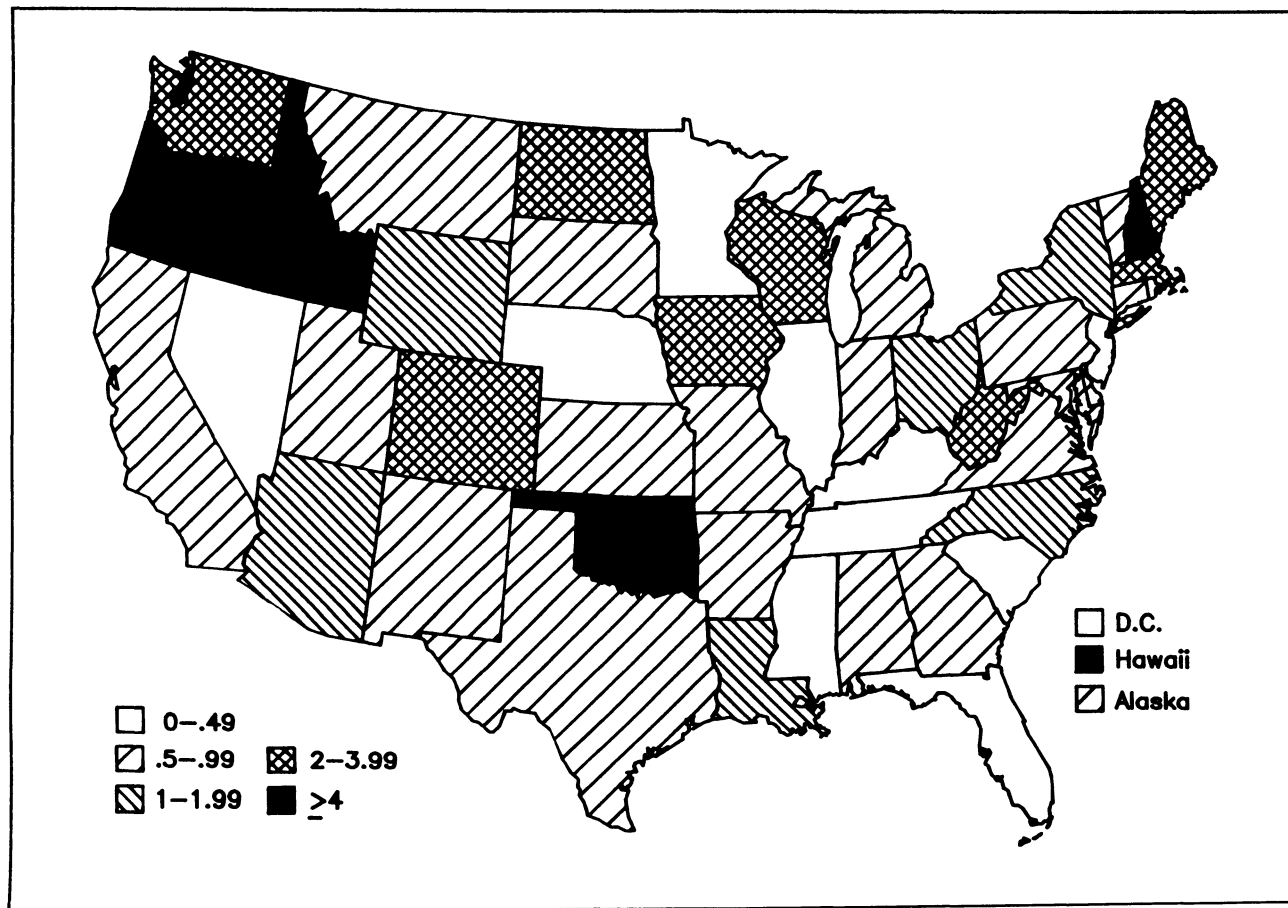
\*Data not available for 1986-87.

**PERTUSSIS (whooping cough) — By age group, United States, 1987**

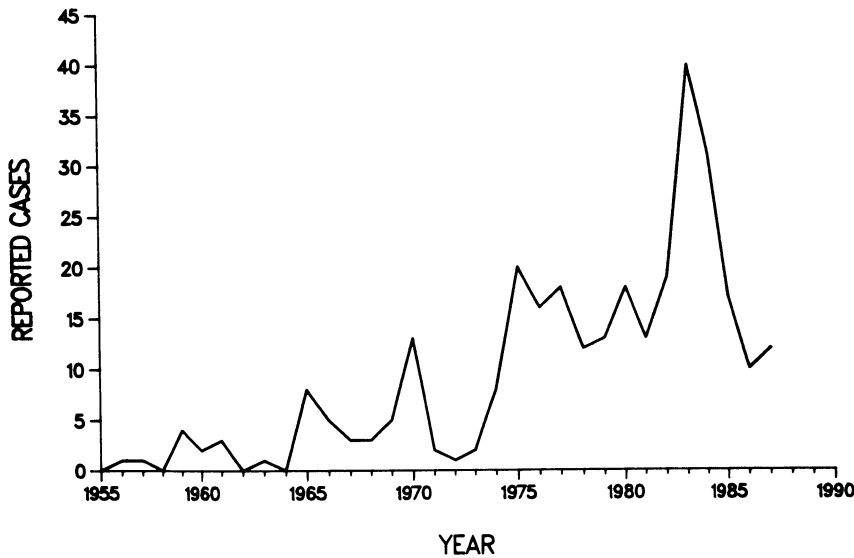


\*Rates were calculated by multiplying the percentage of cases with known age group by total reported cases and dividing by the population in that age group.

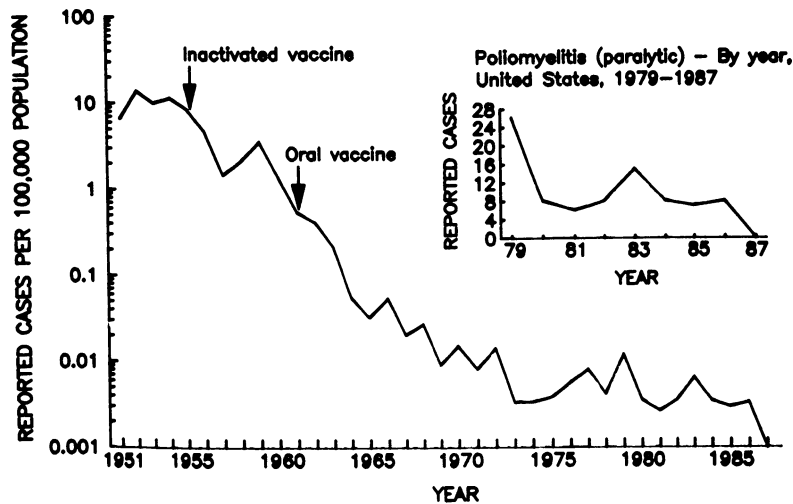
PERTUSSIS (whooping cough) — Reported cases per 100,000 population, United States, 1987



PLAGUE – In humans, by year, United States, 1955-87

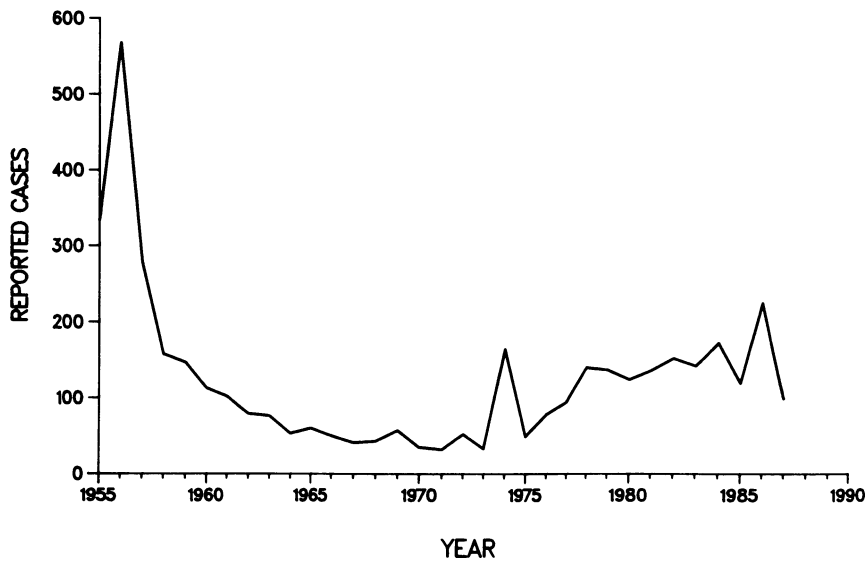


POLIOMYELITIS (paralytic) – By year, United States, 1951-1987

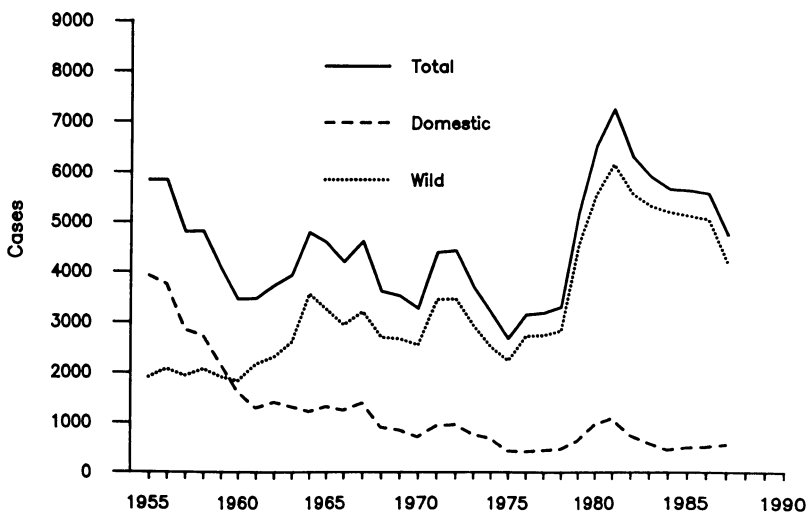


**GRAPHS AND MAPS**

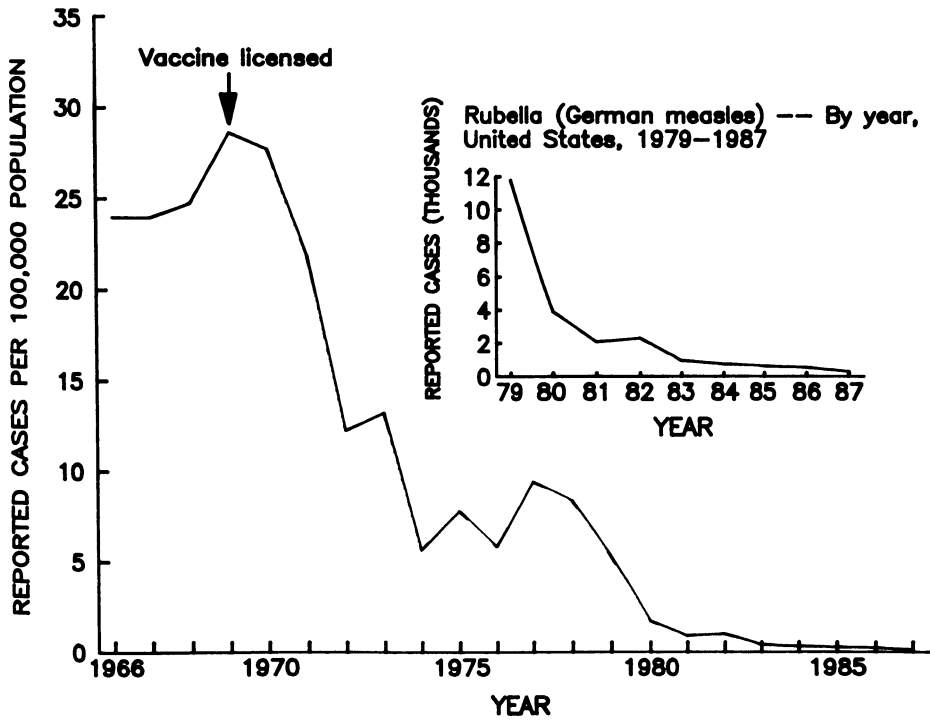
**PSITTACOSIS — By year, United States, 1955-1987**



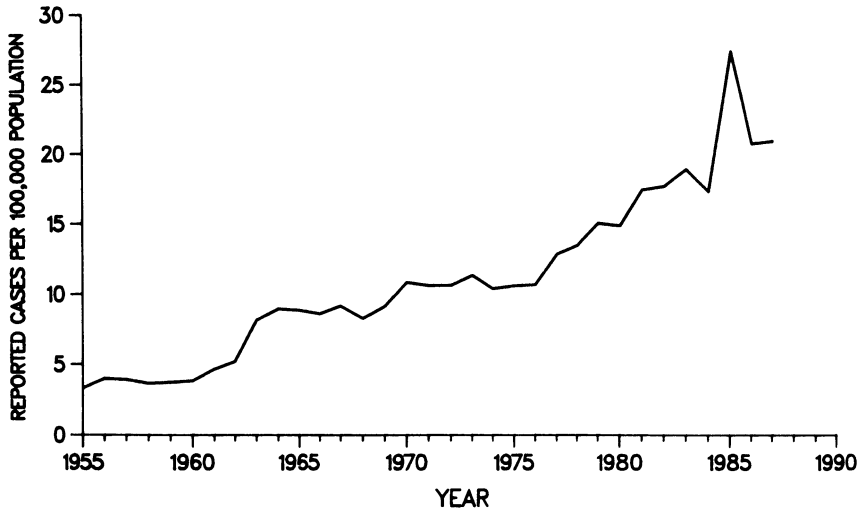
**RABIES — Wild and domestic animals, by year, United States and Puerto Rico, 1955-1987**



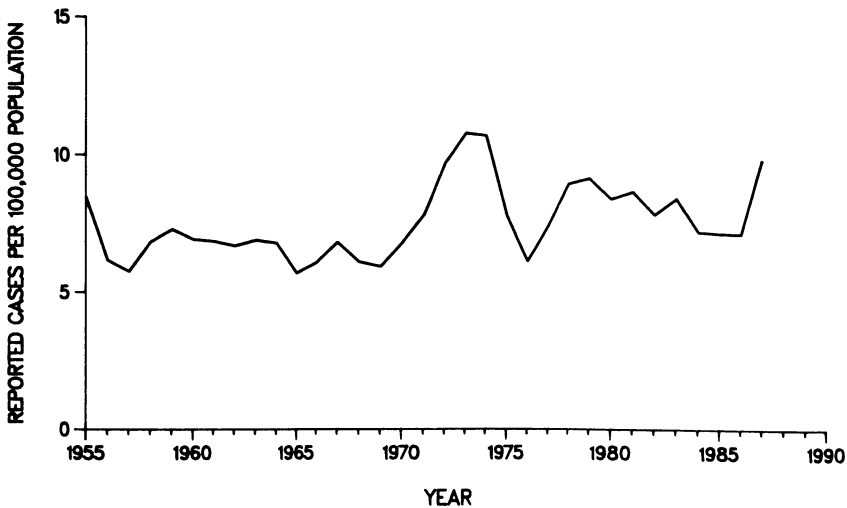
RUBELLA (German measles) — By year, United States, 1966-1987



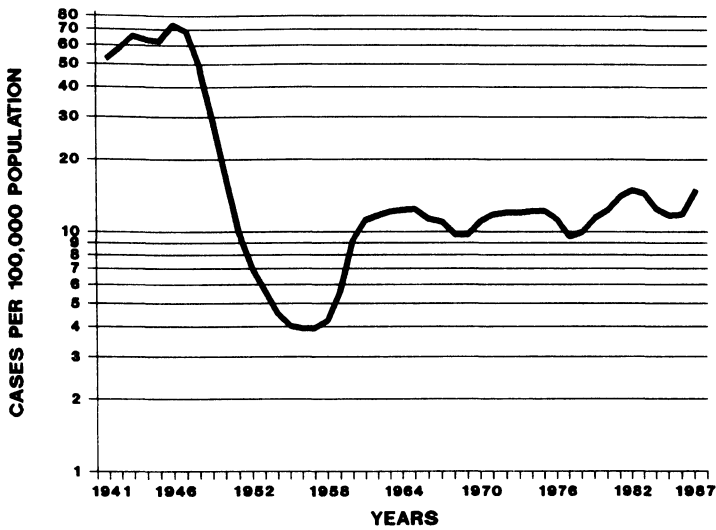
**SALMONELLOSIS (excluding typhoid fever) – By year, United States, 1955-1987**



**SHIGELLOSIS – By year, United States, 1955-1987**

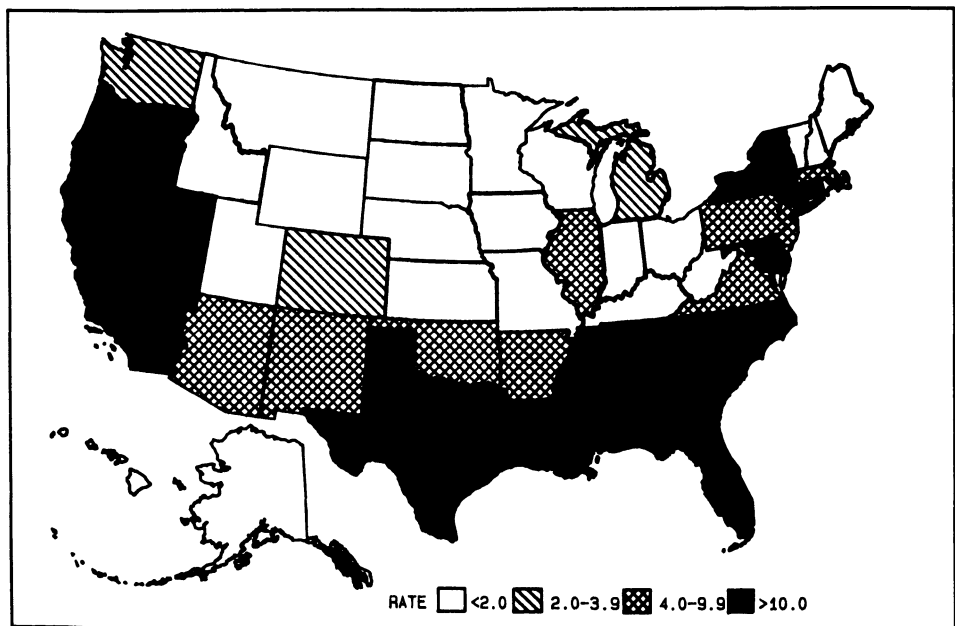


SYPHILIS (primary and secondary) – By year, United States, 1941-1987\*



\*1941-1946 fiscal years (12-month period ending June 30); 1947-1987 calendar years.

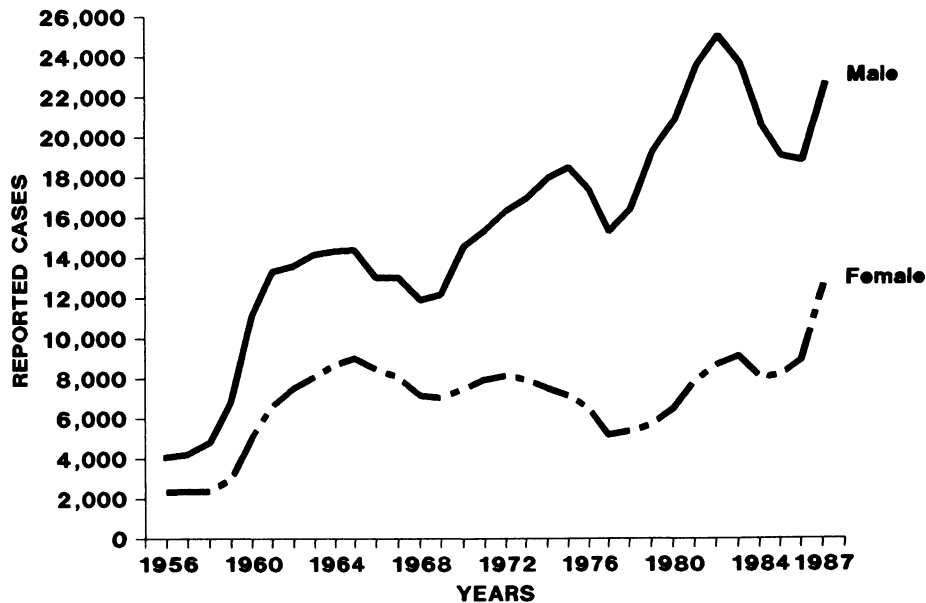
SYPHILIS (primary and secondary) – By state\*, United States, 1987



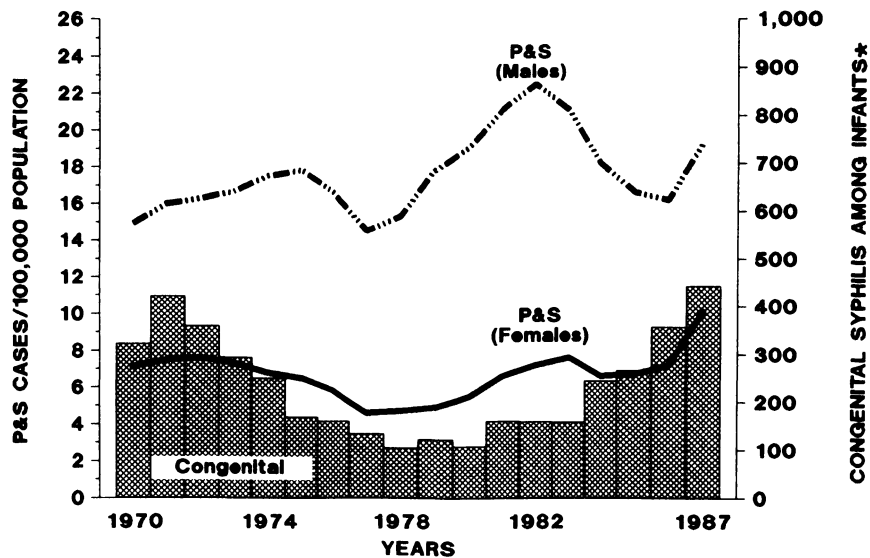
\*Based on reported cases per 100,000 population.

GRAPHS AND MAPS

SYPHILIS (primary and secondary) — By sex, United States, 1956-1987

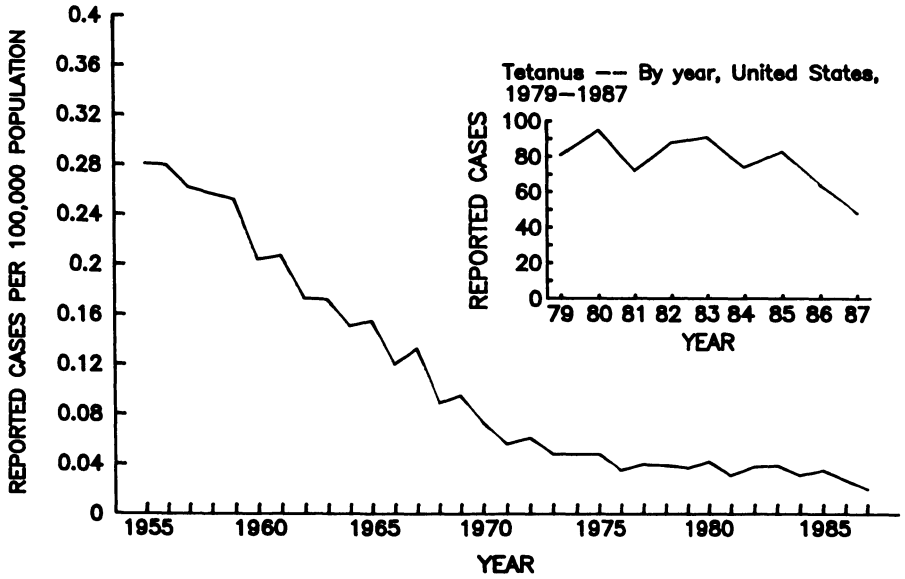


SYPHILIS (primary and secondary) — By sex, and congenital syphilis (under 1 year), United States, 1970-1987

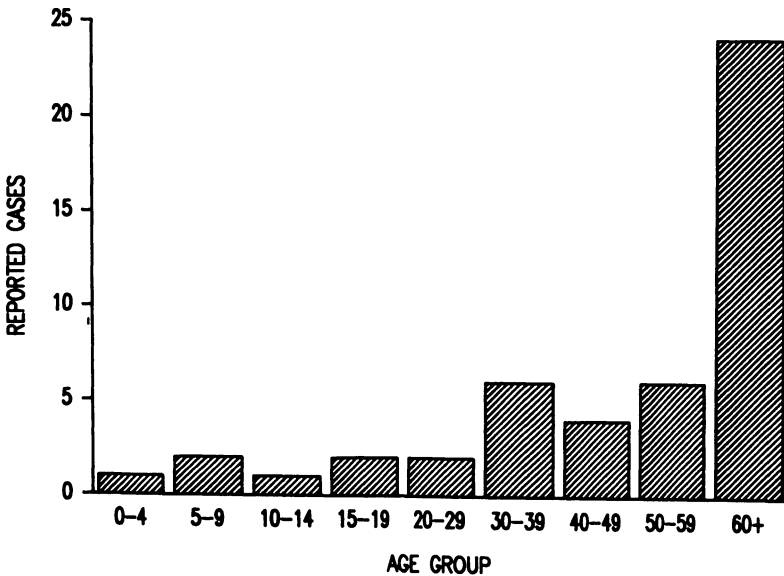


\*Under 1 year of age.

**TETANUS — By year, United States, 1955-1987**

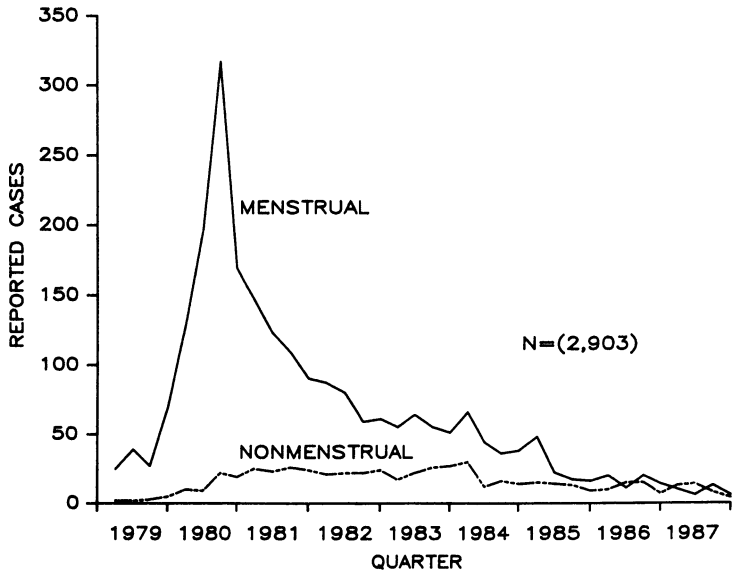


**TETANUS — By age group, United States, 1987**



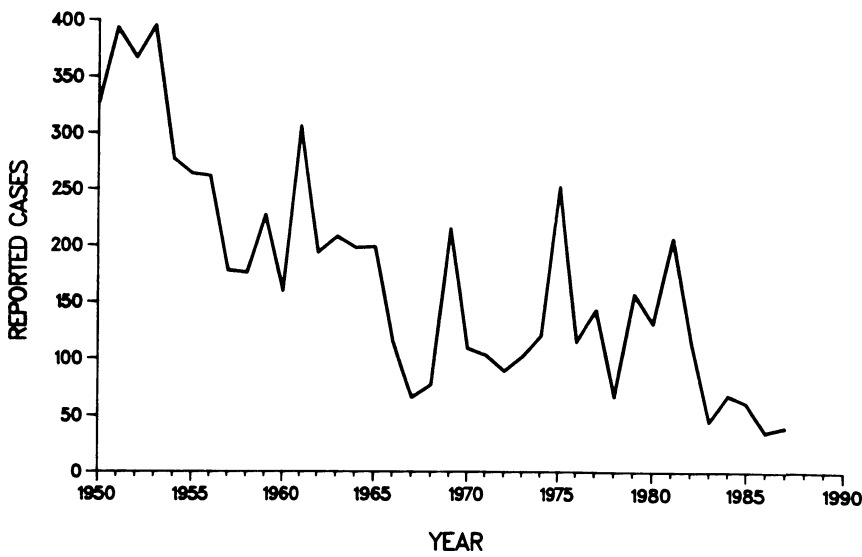
**GRAPHS AND MAPS**

**TOXIC-SHOCK SYNDROME – By quarter, United States, 1979-1987\***

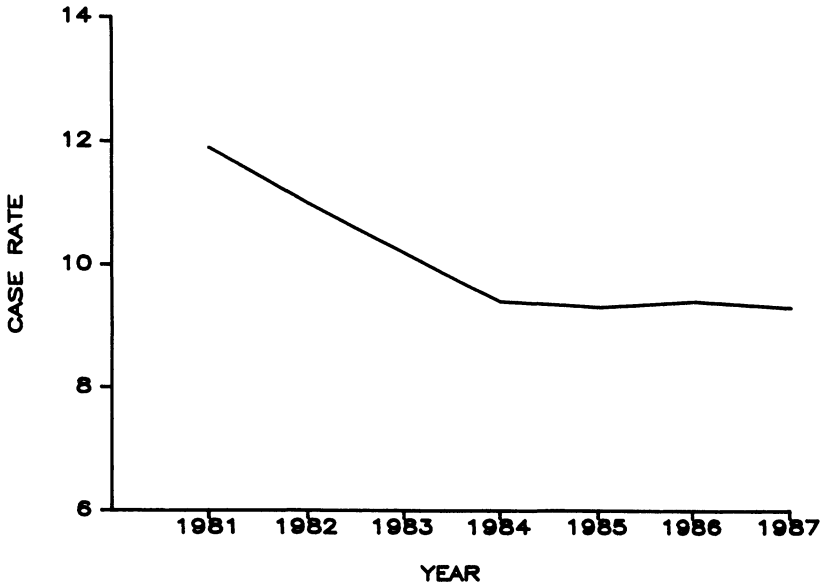


\*Includes only cases meeting the CDC case definition.

**TRICHINOSIS – By year, United States, 1950-1987**

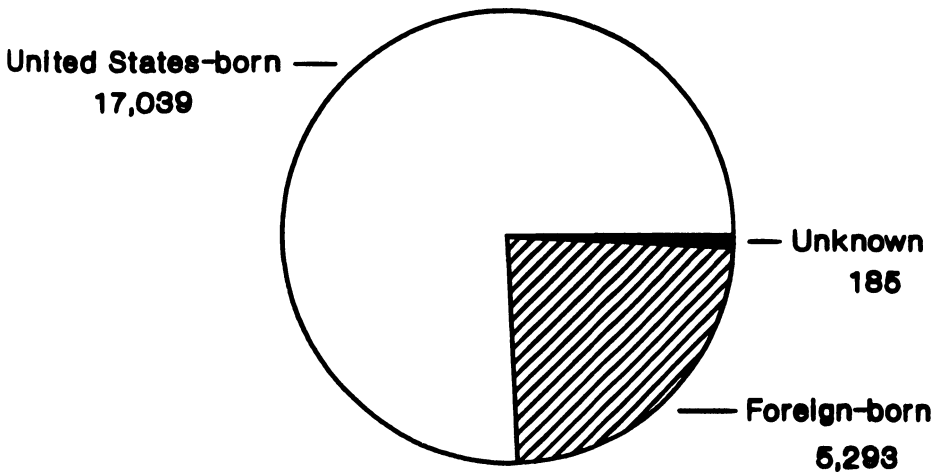


**TUBERCULOSIS — Case rates, United States, 1981-1987**

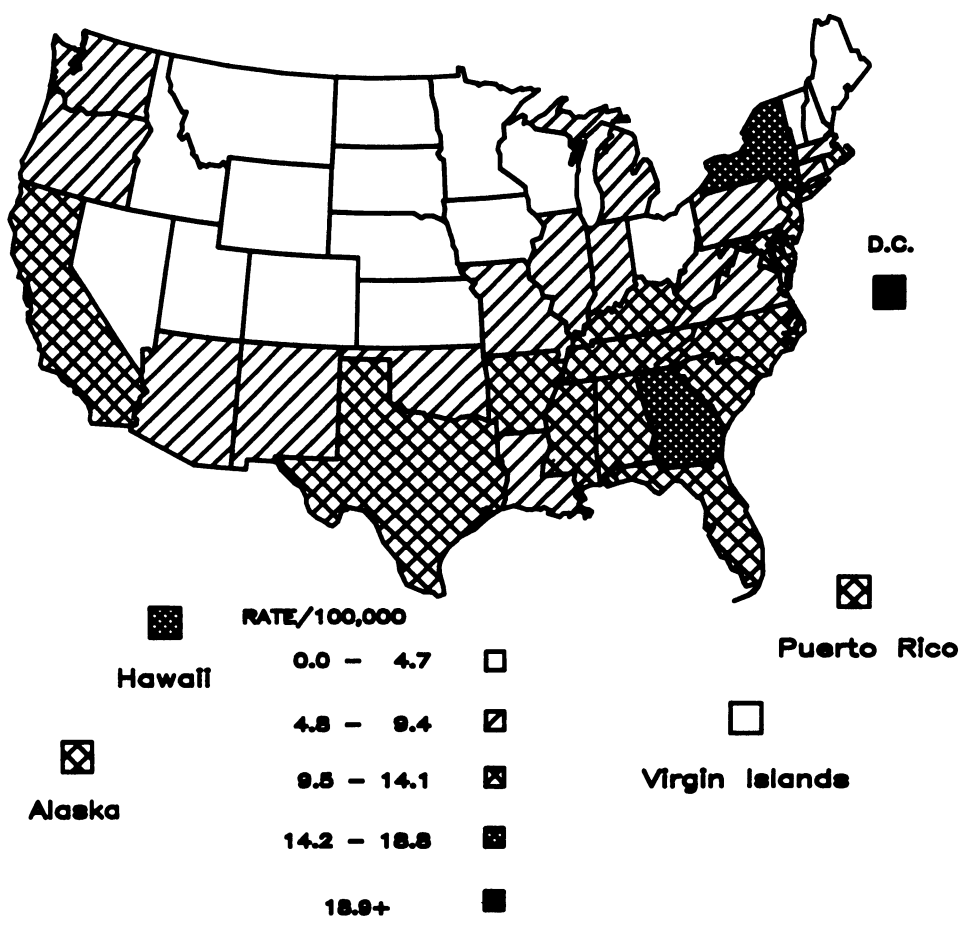


Rate per 100,000 population

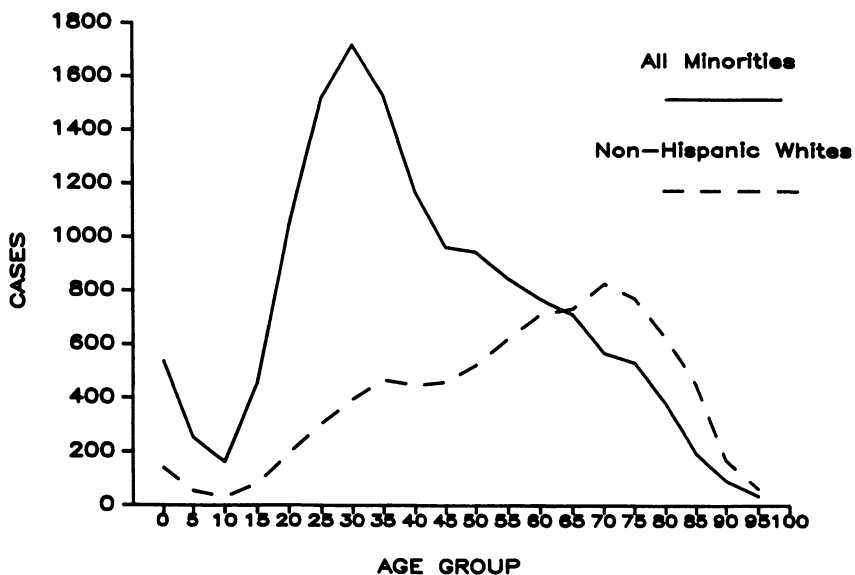
**TUBERCULOSIS — Cases, United States-born and foreign-born, 1987**



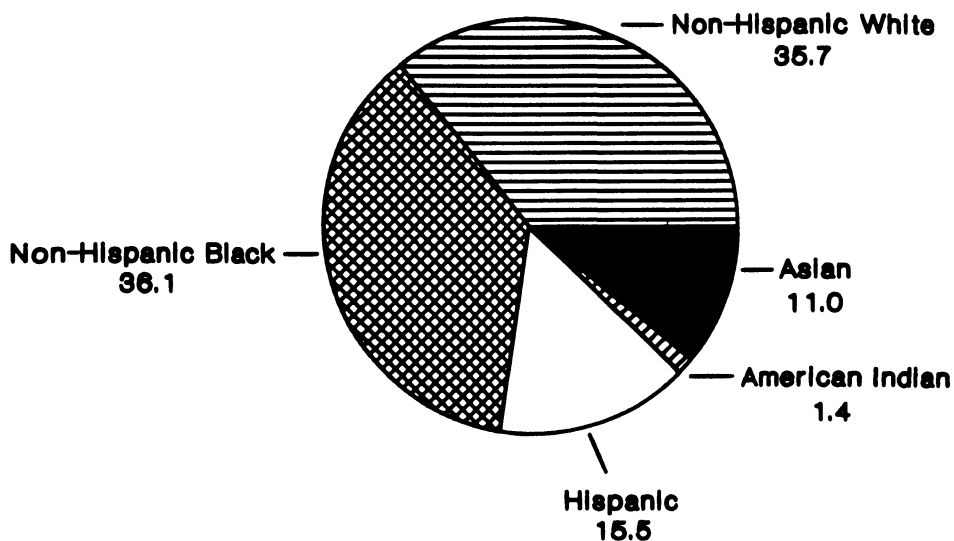
TUBERCULOSIS — Rates, by state, United States, 1987



**TUBERCULOSIS – Frequency distribution of cases by age, race, and ethnicity, United States, 1987**

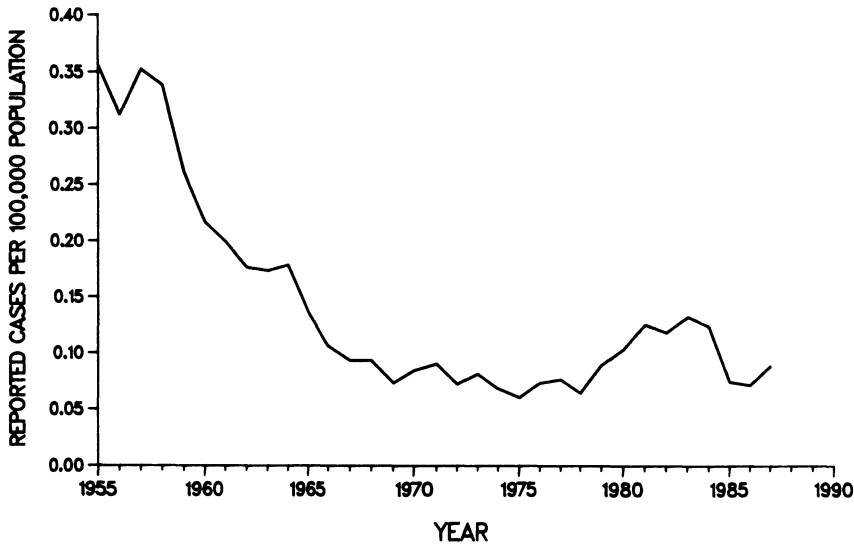


**TUBERCULOSIS – Percentage of cases by race and ethnicity, United States, 1987**

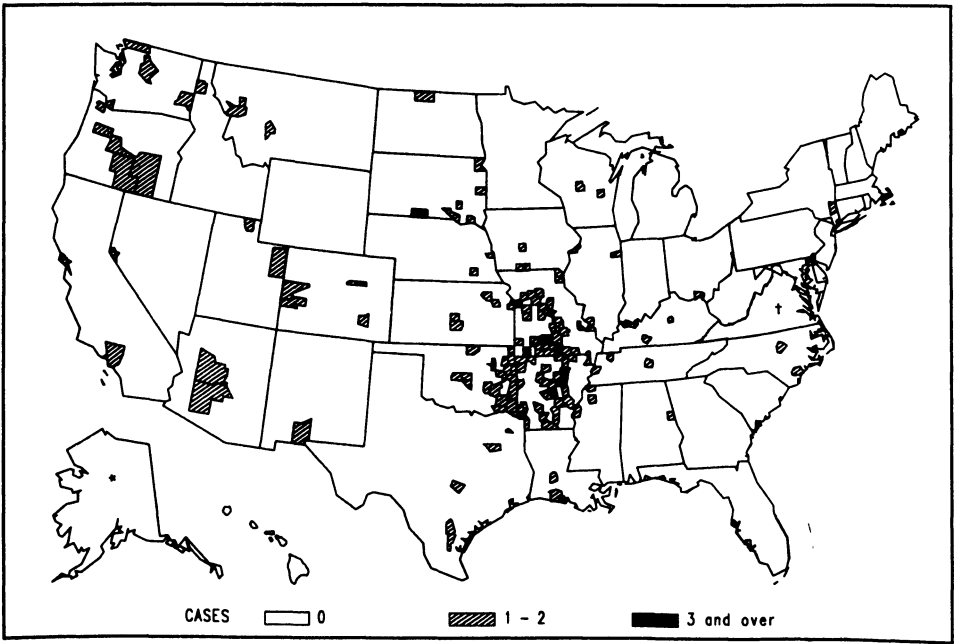


GRAPHS AND MAPS

TULAREMIA — By year, United States, 1955-1987

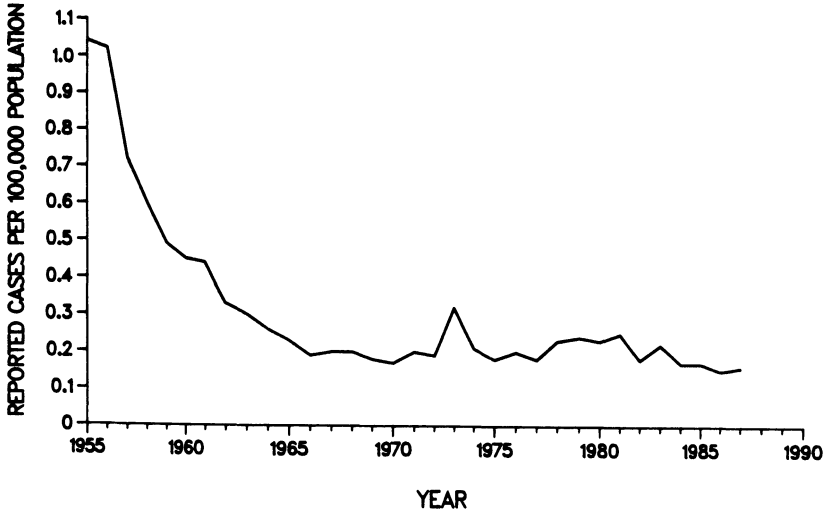


TULAREMIA — Reported cases, by county, United States, 1987

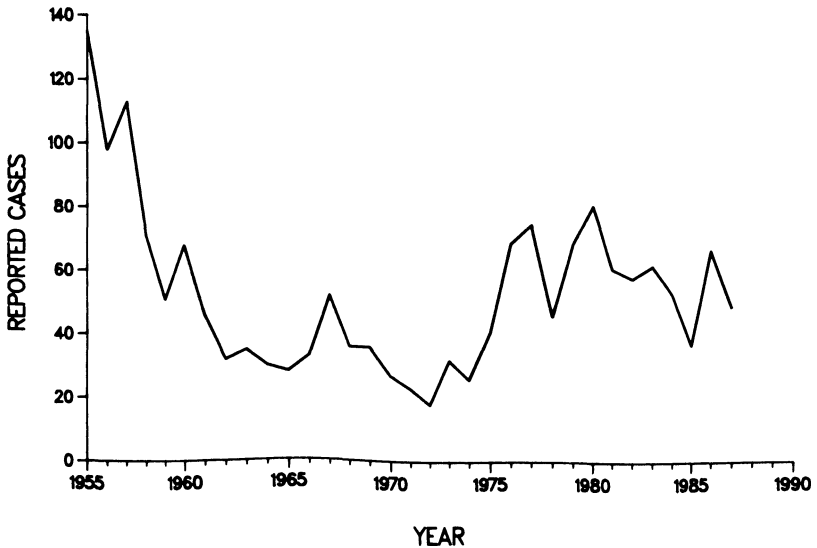


\*1 case reported.  
†2 cases reported.

**TYPHOID FEVER – By year, United States, 1955-1987**

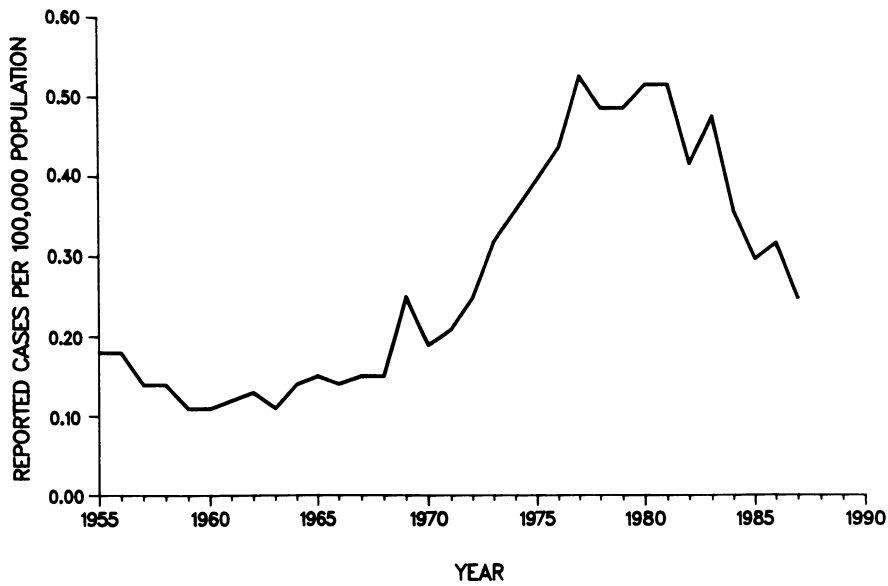


**TYPHUS FEVER, FLEA-BORNE (endemic, murine) – By year, United States, 1955-1987**

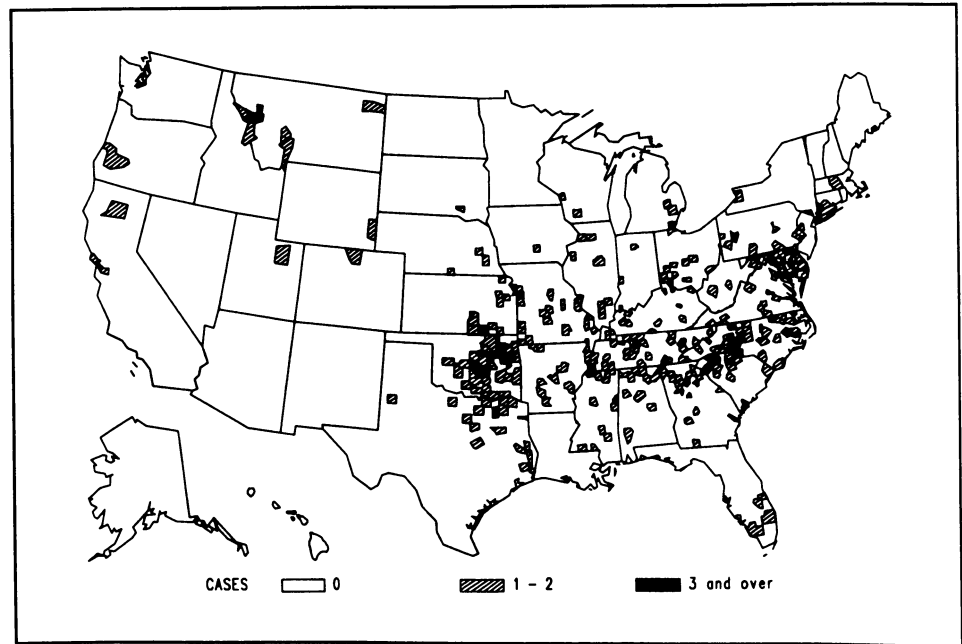


GRAPHS AND MAPS

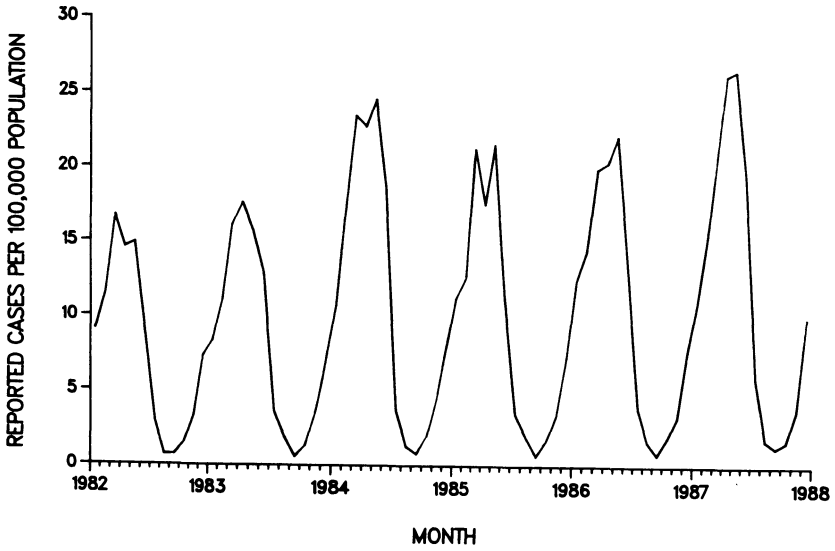
TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) — By year, United States, 1955-1987



TYPHUS FEVER, TICK-BORNE (Rocky Mountain spotted fever) — Reported cases, by county, United States, 1987



**VARICELLA (chickenpox) — By month, United States, 1982-1987**





# **PART 3:**

## **Historical Summary Tables**



TABLE 1. NOTIFIABLE DISEASES - Summary of reported cases, United States, 1978-1987

| Disease                                           | 1987    | 1986                | 1985                | 1984    | 1983    | 1982    | 1981    | 1980      | 1979      | 1978      |
|---------------------------------------------------|---------|---------------------|---------------------|---------|---------|---------|---------|-----------|-----------|-----------|
| U.S. total resident population (in thousands)     | 243,400 | 241,078             | 238,740             | 236,158 | 233,981 | 231,534 | 229,307 | 226,505   | 220,099   | 218,059   |
| 1980 census; July 1 est. 1977-1979, 1981-1987     |         |                     |                     |         |         |         |         |           |           |           |
| Acquired immunodeficiency syndrome (AIDS)         | 21,070  | 12,932              | 8,249               | 4,445   | .....   | .....   | .....   | .....     | .....     | .....     |
| Amebiasis                                         | 3,123   | 3,532               | 4,433               | 5,252   | 6,658   | 7,304   | 6,632   | 5,271     | 4,107     | 3,937     |
| Anthrax                                           | 1       | .....               | .....               | .....   | .....   | .....   | .....   | .....     | .....     | .....     |
| Aseptic meningitis                                | 11,487  | 11,374              | 10,619              | 8,326   | 12,696  | 9,680   | 9,547   | 8,028     | 8,454     | 6,573     |
| Botulism, total (including wound and unsp.)       | 82      | 109                 | 122                 | 123     | 133     | 97      | 103     | 89        | 45        | 105       |
| Food-borne                                        | 17      | 23                  | 49                  | 19      | 50      | 33      | 22      | 18        | 12        | 65        |
| Infant                                            | 59      | 79                  | 70                  | 99      | 79      | 61      | 76      | 68        | 25        | 36        |
| Brucellosis (undulant fever)                      | 129     | 106                 | 153                 | 131     | 200     | 173     | 185     | 183       | 215       | 179       |
| Chancroid <sup>1</sup>                            | 4,998   | 3,756               | 2,067               | 665     | 847     | 1,392   | 850     | 788       | 840       | 521       |
| Cholera                                           | 6       | 23                  | 4                   | 1       | 1       | .....   | 19      | 9         | 1         | 12        |
| Diphtheria                                        | 3       | .....               | 3                   | 1       | 5       | 2       | 5       | 3         | 59        | 76        |
| Encephalitis, primary <sup>1</sup>                | 1,418   | 1,302               | 1,376               | 1,257   | 360     | 374     | 317     | 323       | 312       | 290       |
| Indeterminate <sup>1</sup>                        | NA      | NA                  | NA                  | NA      | 1,401   | 1,090   | 1,175   | 1,039     | 1,192     | 1,061     |
| Post-infectious <sup>1</sup>                      | 121     | 124                 | 161                 | 108     | 34      | 36      | 43      | 40        | 84        | 78        |
| Gonorrhea <sup>1</sup>                            | 780,905 | 900,868             | 911,419             | 878,556 | 900,435 | 960,633 | 990,864 | 1,004,029 | 1,004,058 | 1,013,436 |
| Granuloma inguinale <sup>1</sup>                  | 22      | 61                  | 44                  | 30      | 24      | 17      | 66      | 51        | 76        | 72        |
| Hepatitis A                                       | 25,280  | 23,430              | 23,210 <sup>1</sup> | 22,040  | 21,532  | 23,403  | 25,802  | 29,087    | 30,407    | 29,500    |
| Hepatitis B                                       | 25,916  | 26,107 <sup>1</sup> | 26,611 <sup>1</sup> | 26,115  | 24,318  | 22,177  | 21,152  | 19,015    | 15,452    | 15,016    |
| Hepatitis non-A, non-B                            | 2,999   | 3,634 <sup>1</sup>  | 4,184 <sup>1</sup>  | 3,871   | 3,470   | 2,629   | .....   | .....     | .....     | .....     |
| Hepatitis, unspecified                            | 3,102   | 3,940 <sup>1</sup>  | 5,517 <sup>1</sup>  | 5,531   | 7,149   | 8,564   | 10,975  | 11,894    | 10,534    | 8,776     |
| Legionellosis <sup>1</sup>                        | 1,038   | 948                 | 830                 | 750     | 852     | 654     | 408     | 475       | 593       | 761       |
| Leprosy                                           | 238     | 270                 | 361                 | 290     | 259     | 250     | 256     | 223       | 185       | 168       |
| Leptospirosis                                     | 43      | 57                  | 40                  | 61      | 100     | 82      | 85      | 94        | 110       | 110       |
| Lymphogranuloma venereum <sup>1</sup>             | 303     | 396                 | 226                 | 170     | 335     | 235     | 263     | 199       | 250       | 284       |
| Malaria                                           | 944     | 1,123               | 1,049               | 1,007   | 813     | 1,056   | 1,388   | 2,062     | 894       | 731       |
| Measles (rubeola)                                 | 3,655   | 6,282               | 2,822               | 2,587   | 1,497   | 1,714   | 3,124   | 13,506    | 13,597    | 26,871    |
| Meningococcal infections, total                   | 2,930   | 2,594               | 2,479               | 2,746   | 2,736   | 3,056   | 3,525   | 2,840     | 2,724     | 2,505     |
| Mumps                                             | 12,848  | 7,790               | 2,982               | 3,021   | 3,355   | 5,270   | 4,941   | 8,576     | 14,225    | 16,817    |
| Pertussis (whooping cough)                        | 2,823   | 4,195               | 3,589               | 2,276   | 2,463   | 1,895   | 1,248   | 1,730     | 1,623     | 2,063     |
| Plague                                            | 12      | 10                  | 17                  | 31      | 40      | 19      | 13      | 18        | 13        | 12        |
| Polioomyelitis, total                             | .....   | 8                   | 7                   | 8       | 15      | 8       | 6       | 9         | 34        | 15        |
| Paralytic <sup>1</sup>                            | .....   | 8                   | 7                   | 8       | 15      | 8       | 6       | 8         | 26        | 9         |
| Psittacosis                                       | 98      | 224                 | 119                 | 172     | 142     | 152     | 136     | 124       | 137       | 140       |
| Rabies, animal                                    | 4,658   | 5,504               | 5,565               | 5,567   | 5,878   | 6,212   | 7,118   | 6,421     | 5,119     | 3,254     |
| Rabies, human                                     | 1       | .....               | 1                   | 3       | 2       | .....   | 2       | .....     | 4         | 4         |
| Rheumatic fever, acute                            | 141     | 147                 | 90                  | 117     | 88      | 137     | 264     | 432       | 629       | 851       |
| Rubella (German measles)                          | 306     | 551                 | 630                 | 752     | 970     | 2,325   | 2,077   | 3,904     | 11,795    | 18,269    |
| Rubella congenital syndrome                       | 5       | 14                  | .....               | .....   | 22      | .....   | 19      | 50        | 62        | 30        |
| Salmonellosis (excluding typhoid fever)           | 50,916  | 49,984              | 65,347              | 40,861  | 44,250  | 40,936  | 39,990  | 33,715    | 33,138    | 29,410    |
| Shigellosis                                       | 23,860  | 17,138              | 17,057              | 17,371  | 19,719  | 18,129  | 19,859  | 19,041    | 20,135    | 19,511    |
| Syphilis, primary and secondary <sup>1</sup>      | 35,147  | 27,883              | 27,131              | 28,607  | 32,698  | 33,613  | 31,266  | 27,204    | 24,874    | 21,656    |
| Total all stages <sup>1</sup>                     | 86,545  | 68,215              | 67,563              | 69,888  | 74,637  | 75,579  | 72,799  | 68,832    | 67,049    | 64,875    |
| Tetanus                                           | 48      | 64                  | 83                  | 74      | 91      | 88      | 72      | 95        | 81        | 86        |
| Toxic-shock syndrome                              | 372     | 412                 | 384                 | 482     | 502     | .....   | .....   | .....     | .....     | .....     |
| Trichinosis                                       | 40      | 39                  | 61                  | 68      | 45      | 115     | 206     | 131       | 157       | 67        |
| Tuberculosis <sup>1</sup>                         | 22,517  | 22,768              | 22,201              | 22,255  | 23,846  | 25,520  | 27,373  | 27,749    | 27,669    | 28,521    |
| Tularemia                                         | 214     | 170                 | 177                 | 291     | 310     | 275     | 288     | 234       | 196       | 141       |
| Typhoid fever (cases)                             | 400     | 362                 | 402                 | 390     | 507     | 425     | 584     | 510       | 528       | 505       |
| (Carriers)                                        | N/A     | 53                  | 61                  | 54      | 61      | 60      | 73      | 62        | 71        | 62        |
| Typhus fever, flea-borne (endemic, murine)        | 49      | 67                  | 37                  | 53      | 62      | 58      | 61      | 81        | 69        | 46        |
| Typhus fever, tick-borne (Rocky Mountain spotted) | 604     | 760                 | 714                 | 838     | 1,126   | 976     | 1,192   | 1,163     | 1,070     | 1,063     |
| Varicella (chickenpox)                            | 213,196 | 183,243             | 178,162             | 221,983 | 177,462 | 167,423 | 200,766 | 190,894   | 199,081   | 154,089   |
| Yellow fever                                      | .....   | .....               | .....               | .....   | .....   | .....   | .....   | .....     | .....     | .....     |

\*Not previously notifiable nationally.

<sup>1</sup>Civilian cases only.<sup>2</sup>Data for 1984-1987 reflects change in categories for tabulating encephalitis reports. Cases for 1984-1987 are recorded by date of report to state health departments. Data for previous years are from surveillance records reported by onset date.<sup>3</sup>Reports from New York City are not available.<sup>4</sup>Data for 1982-1987 recorded by date of report to state health department. Data for all previous years are from surveillance records reported by onset date.<sup>5</sup>Annual case reports from state health departments prior to 1986; numbers may not reflect changes based on retrospective case evaluations or late reports (see MMWR 1986;35:180-182). Data for 1986 updated due to late reports. Reports for 1987 are provisional.<sup>6</sup>Case data subsequent to 1974 are not comparable to prior years due to changes in reporting criteria which became effective in 1975.

TABLE 2. NOTIFIABLE DISEASES — Summary of reported cases per 100,000 population, United States, 1978-1987

| Disease                                           | 1987   | 1986   | 1985   | 1984   | 1983   | 1982   | 1981   | 1980   | 1979   | 1978   |
|---------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Acquired immunodeficiency syndrome (AIDS)         | 8.66   | 5.36   | 3.46   | 1.88   |        |        | *      |        |        |        |
| Amebiasis                                         | 1.33   | 1.47   | 1.92   | 2.30   | 2.95   | 3.23   | 2.96   | 2.38   | 1.90   | 1.84   |
| Anthrax                                           | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Aseptic meningitis                                | 4.72   | 4.72   | 4.50   | 3.57   | 5.49   | 4.18   | 4.16   | 3.61   | 4.05   | 3.01   |
| Botulism, total                                   | 0.03   | 0.05   | 0.05   | 0.05   | 0.06   | 0.04   | 0.04   | 0.04   | 0.02   | 0.05   |
| Food-borne                                        | 0.01   | 0.01   | 0.02   | 0.01   | 0.02   | 0.01   | 0.01   | 0.01   | 0.01   | 0.03   |
| Infant                                            | 0.02   | 0.03   | 0.03   | 0.04   | 0.03   | 0.03   | 0.03   | 0.03   | 0.01   | 0.02   |
| Brucellosis (undulant fever)                      | 0.05   | 0.04   | 0.06   | 0.06   | 0.09   | 0.07   | 0.08   | 0.08   | 0.10   | 0.08   |
| Chancroid                                         | 2.07   | 1.57   | 0.87   | 0.28   | 0.36   | 0.60   | 0.37   | 0.35   | 0.38   | 0.24   |
| Cholera                                           | 0.00   | 0.01   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.00   | 0.00   | 0.01   |
| Diphtheria                                        | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.03   | 0.03   |
| Encephalitis, primary                             | 0.58   | 0.54   | 0.58   | 0.53   | 0.15   | 0.16   | 0.14   | 0.14   | 0.15   | 0.13   |
| Post-infectious                                   | 0.05   | 0.05   | 0.07   | 0.05   | 0.01   | 0.02   | 0.02   | 0.02   | 0.04   | 0.04   |
| Gonorrhea                                         | 323.14 | 376.37 | 384.51 | 374.75 | 387.64 | 417.45 | 434.84 | 444.99 | 450.31 | 468.25 |
| Granuloma inguinale                               | 0.01   | 0.03   | 0.02   | 0.01   | 0.01   | 0.01   | 0.03   | 0.02   | 0.03   | 0.03   |
| Hepatitis A                                       | 10.39  | 10.02  | 10.03  | 9.33   | 9.20   | 10.11  | 11.25  | 12.84  | 13.82  | 13.53  |
| Hepatitis B                                       | 10.65  | 11.17  | 11.50  | 11.06  | 10.39  | 9.58   | 9.22   | 8.39   | 7.02   | 6.89   |
| Hepatitis non-A non-B                             | 1.23   | 1.55   | 1.81   | 1.64   | 1.66   | 1.39   |        |        |        |        |
| Hepatitis, unspecified                            | 1.27   | 1.69   | 2.38   | 2.34   | 3.09   | 3.70   |        |        |        |        |
| Legionellosis                                     | 0.43   | 0.43   | 0.37   | 0.35   | 0.43   | 0.35   | 0.18   | 0.21   | 0.27   | 0.35   |
| Leprosy                                           | 0.10   | 0.11   | 0.15   | 0.12   | 0.11   | 0.11   | 0.11   | 0.10   | 0.08   | 0.08   |
| Leptospirosis                                     | 0.02   | 0.02   | 0.02   | 0.02   | 0.03   | 0.04   | 0.04   | 0.04   | 0.04   | 0.05   |
| Lymphogranuloma venereum                          | 0.13   | 0.16   | 0.10   | 0.07   | 0.14   | 0.10   | 0.12   | 0.09   | 0.11   | 0.13   |
| Malaria                                           | 0.39   | 0.47   | 0.44   | 0.43   | 0.35   | 0.46   | 0.61   | 0.91   | 0.41   | 0.34   |
| Measles (rubeola)                                 | 1.50   | 2.61   | 1.18   | 1.10   | 0.64   | 0.74   | 1.36   | 5.96   | 6.18   | 12.32  |
| Meningococcal infections, total                   | 1.20   | 1.08   | 1.04   | 1.16   | 1.17   | 1.32   | 1.54   | 1.25   | 1.24   | 1.15   |
| Mumps                                             | 5.43   | 3.37   | 1.30   | 1.32   | 1.55   | 2.46   | 2.20   | 3.86   | 6.55   | 7.81   |
| Pertussis (whooping cough)                        | 1.16   | 1.74   | 1.50   | 0.96   | 1.05   | 0.82   | 0.54   | 0.76   | 0.74   | 0.95   |
| Plague                                            | 0.00   | 0.00   | 0.01   | 0.01   | 0.02   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   |
| Polioomyelitis, total                             | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.00   | 0.00   | 0.00   | 0.02   | 0.01   |
| Paralytic                                         | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.00   | 0.00   | 0.00   | 0.01   | 0.00   |
| Psittacosis                                       | 0.04   | 0.09   | 0.05   | 0.07   | 0.06   | 0.07   | 0.06   | 0.05   | 0.06   | 0.06   |
| Rabies, human                                     | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| Rheumatic fever, acute                            | 0.13   | 0.12   | 0.07   | 0.08   | 0.06   | 0.09   | 0.17   | 0.30   | 0.44   | 0.60   |
| Rubella (German measles)                          | 0.13   | 0.23   | 0.26   | 0.32   | 0.41   | 1.00   | 0.91   | 1.72   | 5.36   | 8.38   |
| Rubella congenital syndrome†                      | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.00   | 0.01   | 0.01   | 0.02   | 0.01   |
| Salmonellosis, excluding typhoid fever            | 20.92  | 20.73  | 27.37  | 17.30  | 18.91  | 17.68  | 17.44  | 14.88  | 15.06  | 13.49  |
| Shigellosis                                       | 9.80   | 7.11   | 7.14   | 7.36   | 8.43   | 7.83   | 8.66   | 8.41   | 9.15   | 8.95   |
| Smallpox                                          |        |        |        |        |        |        |        |        |        |        |
| Syphilis, primary and secondary                   | 14.54  | 11.65  | 11.45  | 12.20  | 14.08  | 14.61  | 13.72  | 12.06  | 11.16  | 10.00  |
| Total all stages                                  | 35.81  | 28.50  | 28.50  | 29.81  | 32.13  | 32.84  | 31.95  | 30.51  | 30.07  | 30.00  |
| Tetanus                                           | 0.02   | 0.03   | 0.03   | 0.03   | 0.04   | 0.04   | 0.03   | 0.04   | 0.04   | 0.04   |
| Toxic-shock syndrome                              | 0.15   | 0.19   | 0.18   | 0.24   | 0.24   |        |        | *      |        |        |
| Trichinosis                                       | 0.02   | 0.02   | 0.03   | 0.03   | 0.02   | 0.05   | 0.10   | 0.06   | 0.07   | 0.03   |
| Tuberculosis                                      | 9.25   | 9.44   | 9.30   | 9.42   | 10.19  | 11.02  | 11.94  | 12.25  | 12.57  | 13.08  |
| Tularemia                                         | 0.09   | 0.07   | 0.07   | 0.12   | 0.13   | 0.12   | 0.13   | 0.10   | 0.09   | 0.06   |
| Typhoid fever (cases)                             | 0.16   | 0.15   | 0.17   | 0.17   | 0.22   | 0.18   | 0.25   | 0.23   | 0.24   | 0.23   |
| (Carriers)                                        | N/A    | 0.02   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   |
| Typhus fever, flea-borne (endemic, murine)        | 0.02   | 0.03   | 0.02   | 0.02   | 0.03   | 0.03   | 0.03   | 0.04   | 0.03   | 0.02   |
| Typhus fever, tick-borne (Rocky Mountain spotted) | 0.25   | 0.32   | 0.30   | 0.36   | 0.48   | 0.42   | 0.52   | 0.52   | 0.49   | 0.49   |
| Varicella (chickenpox)                            | 136.68 | 122.42 | 123.23 | 138.44 | 99.65  | 94.37  | 100.48 | 96.69  | 102.93 | 80.42  |
| Yellow fever                                      |        |        |        |        |        |        |        |        |        |        |

Note: Rates less than 0.01 after rounding are shown as 0.00.

Population data from those states where diseases were not notifiable (NN) or not available (NA) were excluded from rate calculation. Civilian resident population was used for chancroid, gonorrhea, granuloma inguinale, lymphogranuloma venereum, and syphilis.

\*Not previously notifiable nationally.

†Per 1,000 live births.

**TABLE 3. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1968-1977**

| Disease                                                            | 1977                                                   | 1976      | 1975    | 1974    | 1973    | 1972    | 1971    | 1970    | 1969    | 1968    |
|--------------------------------------------------------------------|--------------------------------------------------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| U.S. total resident population, July 1, estimate<br>(in thousands) | 216,332                                                | 214,659   | 213,121 | 211,390 | 209,851 | 208,232 | 206,256 | 203,805 | 201,385 | 199,399 |
| Amebiasis                                                          | 3,044                                                  | 2,906     | 2,775   | 2,743   | 2,235   | 2,199   | 2,752   | 2,888   | 2,915   | 3,005   |
| Anthrax                                                            | —                                                      | 2         | 2       | 2       | 2       | 2       | 5       | 2       | 4       | 3       |
| Aseptic meningitis                                                 | 4,789                                                  | 3,510     | 4,475   | 3,197   | 4,846   | 4,634   | 5,176   | 6,480   | 3,672   | 4,494   |
| Botulism                                                           | 129                                                    | 55        | 20      | 28      | 34      | 22      | 25      | 12      | 16      | 7       |
| Brucellosis (undulant fever)                                       | 232                                                    | 296       | 310     | 240     | 202     | 196     | 183     | 213     | 235     | 218     |
| Chancroid                                                          | 455                                                    | 628       | 700     | 945     | 1,165   | 1,414   | 1,320   | 1,416   | 1,104   | 845     |
| Cholera                                                            | 3                                                      | —         | —       | —       | 1       | —       | 1       | —       | —       | —       |
| Diphtheria                                                         | 84                                                     | 128       | 307     | 272     | 228     | 152     | 215     | 435     | 241     | 260     |
| Encephalitis, primary                                              | 1,414                                                  | 1,651     | 4,064   | 1,164   | 1,613   | 1,059   | 1,524   | 1,580   | 1,613   | 1,781   |
| Encephalitis, post-infectious                                      | 119                                                    | 175       | 237     | 218     | 354     | 243     | 439     | 370     | 304     | 502     |
| Gonorrhea                                                          | 1,002,219                                              | 1,001,994 | 999,937 | 906,121 | 842,621 | 767,215 | 670,268 | 600,072 | 534,872 | 464,543 |
| Granuloma inguinale                                                | 75                                                     | 71        | 60      | 47      | 62      | 81      | 89      | 124     | 154     | 156     |
| Hepatitis, serum                                                   | 16,831                                                 | 14,973    | 13,121  | 10,631  | 8,451   | 9,402   | 9,556   | 8,310   | 5,909   | 4,829   |
| Hepatitis, infectious                                              | 31,153                                                 | 33,288    | 35,855  | 40,358  | 50,749  | 54,074  | 59,606  | 56,797  | 48,416  | 45,893  |
| Hepatitis, unspecified                                             | 8,639                                                  | 7,488     | 7,158   | 8,351   | —       | —       | —       | —       | —       | —       |
| Legionellosis                                                      | 359                                                    | 235       | —       | —       | —       | —       | —       | —       | —       | —       |
| Leprosy                                                            | 151                                                    | 145       | 162     | 118     | 146     | 130     | 131     | 129     | 98      | 123     |
| Leptospirosis                                                      | 71                                                     | 73        | 93      | 68      | 57      | 41      | 62      | 47      | 89      | 69      |
| Lymphogranuloma venereum                                           | 348                                                    | 365       | 353     | 394     | 408     | 756     | 692     | 612     | 520     | 485     |
| Malaria                                                            | 547                                                    | 471       | 373     | 293     | 237     | 742     | 2,375   | 3,051   | 3,102   | 2,317   |
| Measles (rubeola)                                                  | 57,345                                                 | 41,126    | 24,374  | 22,094  | 26,690  | 32,275  | 75,290  | 47,351  | 25,826  | 22,231  |
| Meningococcal infections                                           | 1,828                                                  | 1,605     | 1,478   | 1,346   | 1,378   | 1,323   | 2,262   | 2,505   | 2,951   | 2,623   |
| Mumps                                                              | 21,436                                                 | 38,492    | 59,647  | 59,128  | 69,612  | 74,215  | 124,939 | 104,953 | 90,918  | 152,209 |
| Pertussis (whooping cough)                                         | 2,177                                                  | 1,010     | 1,738   | 2,402   | 1,759   | 3,287   | 3,036   | 4,249   | 3,285   | 4,810   |
| Plague                                                             | 18                                                     | 16        | 20      | 8       | 2       | 1       | 2       | 13      | 5       | 3       |
| Poliomyelitis, total                                               | 18                                                     | 14        | 8       | 7       | 8       | 31      | 21      | 33      | 20      | 53      |
| Paralytic                                                          | 17                                                     | 12        | 8       | 7       | 7       | 29      | 17      | 31      | 18      | 53      |
| Rabies, animal                                                     | 94                                                     | 78        | 49      | 164     | 33      | 52      | 32      | 35      | 57      | 43      |
| Rabies, human                                                      | 3,130                                                  | 3,073     | 2,627   | 3,151   | 3,640   | 4,369   | 4,310   | 3,224   | 3,490   | 3,591   |
| Rheumatic fever, acute                                             | 1                                                      | 2         | 2       | —       | 1       | 2       | 2       | 3       | 1       | 1       |
| Rubella (German measles)                                           | 1,738                                                  | 1,865     | 2,854   | 2,431   | 2,560   | 2,614   | 2,793   | 3,227   | 3,229   | 3,470   |
| Rubella congenital syndrome                                        | 20,395                                                 | 12,491    | 16,652  | 11,917  | 27,804  | 25,507  | 45,086  | 56,552  | 57,686  | 49,371  |
| Salmonellosis, excluding typhoid fever                             | 23                                                     | 30        | 30      | 45      | 35      | 42      | 68      | 77      | 31      | 14      |
| Shigellosis (bacillary dysentery)                                  | 27,850                                                 | 22,937    | 22,612  | 21,980  | 23,818  | 22,151  | 21,928  | 22,096  | 18,419  | 16,514  |
| Smallpox                                                           | 16,052                                                 | 13,140    | 16,584  | 22,600  | 22,642  | 20,207  | 16,143  | 13,845  | 11,946  | 12,180  |
| Streptococcal sore throat and scarlet fever                        | Last documented case occurred in 1949                  |           |         |         |         |         |         |         |         |         |
| Syphilis, primary and secondary                                    | NN                                                     | NN        | NN      | NN      | NN      | NN      | NN      | 433,405 | 450,008 | 435,013 |
| Total, all stages                                                  | 20,399                                                 | 23,731    | 25,561  | 25,385  | 24,825  | 24,429  | 23,783  | 21,982  | 19,130  | 19,019  |
| Tetanus                                                            | 64,621                                                 | 71,761    | 80,356  | 83,771  | 87,469  | 91,149  | 95,997  | 91,382  | 92,162  | 96,271  |
| Trichinosis                                                        | 87                                                     | 75        | 102     | 101     | 101     | 128     | 116     | 148     | 192     | 178     |
| Tuberculosis (newly reported active cases)*                        | 143                                                    | 115       | 252     | 120     | 102     | 89      | 103     | 109     | 215     | 77      |
| Typhoid fever                                                      | 30,145                                                 | 32,105    | 33,989  | 30,122  | 30,998  | 32,882  | 35,217  | 37,137  | 39,120  | 42,623  |
| Typhus fever, flea-borne (endemic, murine)                         | 165                                                    | 157       | 129     | 144     | 171     | 152     | 187     | 172     | 149     | 186     |
| Typhus fever, tick-borne (Rocky Mountain spotted)                  | 398                                                    | 419       | 375     | 437     | 680     | 398     | 407     | 346     | 364     | 395     |
| Varicella (chickenpox)                                             | 75                                                     | 69        | 41      | 26      | 32      | 18      | 23      | 27      | 36      | 36      |
| Yellow fever                                                       | 1,153                                                  | 937       | 844     | 754     | 668     | 523     | 432     | 380     | 498     | 298     |
|                                                                    | 188,396                                                | 183,990   | 154,248 | 141,495 | 182,927 | 164,114 | —       | —       | —       | —       |
|                                                                    | Last indigenous case reported 1911, last imported 1924 |           |         |         |         |         |         |         |         |         |

\*Not previously notifiable nationally.

\*Case data subsequent to 1974 are not comparable to prior years due to changes in reporting criteria which became effective in 1975.

**TABLE 4. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1958-1967**  
 (Figures exclude Alaska 1958 and Hawaii, 1958-1959.)

| Disease                                                            | 1967               | 1966               | 1965               | 1964               | 1963    | 1962    | 1961               | 1960    | 1959    | 1958    |
|--------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|---------|---------|--------------------|---------|---------|---------|
| U.S. total resident population, July 1, estimate<br>(in thousands) | 197,457            | 195,576            | 193,526            | 191,141            | 188,483 | 185,771 | 182,992            | 179,979 | 176,513 | 173,320 |
| Amebiasis                                                          | 3,157              | 2,921              | 2,768              | 3,304              | 2,886   | 3,048   | 2,850              | 3,424   | 3,508   | 4,380   |
| Anthrax                                                            | 2                  | 5                  | 7                  | 5                  | 3       | 9       | 14                 | 23      | 12      | 16      |
| Aseptic meningitis                                                 | 3,082              | 3,058              | 2,329              | 2,177              | 1,844   | 2,654   | 5,162 <sup>†</sup> | 1,593   | .....*  | .....   |
| Botulism                                                           | 5                  | 9                  | 19                 | 23                 | 47      | 10      | 14                 | 12      | 20      | 6       |
| Brucellosis (undulant fever)                                       | 265                | 262                | 262                | 411                | 407     | 409     | 636                | 751     | 892     | 924     |
| Chancroid                                                          | 784                | 838                | 982                | 1,247              | 1,220   | 1,344   | 1,438              | 1,680   | 1,537   | 1,595   |
| Cholera                                                            | —                  | —                  | 2                  | —                  | —       | —       | —                  | —       | —       | —       |
| Diphtheria                                                         | 219                | 209                | 164                | 293                | 314     | 444     | 617                | 918     | 934     | 918     |
| Encephalitis, acute infectious                                     | 2,538 <sup>‡</sup> | 3,085 <sup>‡</sup> | 2,703 <sup>‡</sup> | 3,587 <sup>‡</sup> | 1,993   | 2,094   | 2,248              | 2,341   | 2,437   | 2,587   |
| Gonorrhea                                                          | 404,836            | 351,738            | 324,925            | 300,666            | 278,289 | 263,714 | 264,158            | 258,933 | 240,254 | 232,386 |
| Granuloma inguinale                                                | 154                | 148                | 155                | 135                | 173     | 207     | 241                | 296     | 265     | 314     |
| Hepatitis, infectious and serum                                    | 41,367             | 34,356             | 33,856             | 37,740             | 42,974  | 53,016  | 72,651             | 41,666  | 23,574  | 16,294  |
| Leprosy                                                            | 81                 | 109                | 96                 | 97                 | 103     | 80      | 63                 | 54      | 44      | 39      |
| Leptospirosis                                                      | 67                 | 72                 | 84                 | 142                | 89      | 79      | 71                 | 53      | 83      | 55      |
| Lymphogranuloma venereum                                           | 371                | 308                | 878                | 732                | 586     | 590     | 787                | 835     | 604     | 434     |
| Malaria                                                            | 2,022              | 565                | 147                | 93                 | 99      | 118     | 73                 | 72      | 71      | 85      |
| Measles (rubeola)                                                  | 62,705             | 204,136            | 261,904            | 458,083            | 385,156 | 481,530 | 423,919            | 441,703 | 406,162 | 763,094 |
| Meningococcal infections                                           | 2,161              | 3,381              | 3,040              | 2,826              | 2,470   | 2,150   | 2,232              | 2,259   | 2,180   | 2,581   |
| Pertussis (whooping cough)                                         | 9,718              | 7,717              | 6,799              | 13,005             | 17,135  | 17,749  | 11,468             | 14,809  | 40,005  | 32,148  |
| Plague                                                             | 3                  | 5                  | 8                  | —                  | 1       | —       | 3                  | 2       | 4       | —       |
| Polio myelitis                                                     | 41                 | 113                | 72                 | 122                | 449     | 910     | 1,312              | 3,190   | 8,425   | 5,787   |
| Paralytic                                                          | 40                 | 106                | 61                 | 106                | 396     | 762     | 988                | 2,525   | 6,289   | 3,697   |
| Psittacosis                                                        | 41                 | 50                 | 60                 | 53                 | 76      | 79      | 102                | 113     | 147     | 158     |
| Rabies, human <sup>†</sup>                                         | 2                  | 1                  | 2                  | 1                  | 1       | 2       | 3                  | 2       | 7       | 5       |
| Rabies, animal                                                     | 4,481              | 4,178              | 4,574              | 4,780              | 3,929   | 3,732   | 3,599              | 3,567   | 4,177   | 4,787   |
| Rheumatic fever, acute                                             | 3,985              | 4,472              | 4,998              | 7,491              | 7,561   | 7,977   | 10,470             | 9,022   | 8,285   | 6,889   |
| Rubella (German Measles) <sup>†</sup>                              | 46,888             | 46,975             | .....*             | .....*             | .....*  | .....*  | .....*             | .....*  | .....*  | .....*  |
| Rubella congenital syndrome <sup>†</sup>                           | 10                 | 11                 | .....*             | .....*             | .....*  | .....*  | .....*             | .....*  | .....*  | .....*  |
| Salmonellosis, excluding typhoid fever                             | 18,120             | 16,841             | 17,161             | 17,144             | 15,390  | 9,680   | 8,542              | 6,929   | 6,606   | 6,363   |
| Shigellosis                                                        | 13,474             | 11,888             | 11,027             | 12,984             | 13,009  | 12,443  | 12,571             | 12,487  | 12,888  | 11,861  |
| Smallpox                                                           | .....*             | .....*             | .....*             | .....*             | .....*  | .....*  | .....*             | .....*  | .....*  | .....*  |
| Streptococcal sore throat and scarlet fever                        | 453,351            | 427,752            | 395,168            | 402,334            | 342,161 | 315,809 | 338,410            | 315,173 | 334,715 | 264,097 |
| Syphilis, primary and secondary                                    | 21,053             | 21,414             | 23,338             | 22,969             | 22,251  | 21,067  | 19,851             | 16,145  | 9,799   | 7,176   |
| Total, all stages                                                  | 102,581            | 105,159            | 112,842            | 114,325            | 124,137 | 126,245 | 124,658            | 122,538 | 120,824 | 113,884 |
| Tetanus                                                            | 263                | 235                | 300                | 289                | 325     | 322     | 379                | 368     | 445     | 445     |
| Trichinosis                                                        | 66                 | 115                | 199                | 198                | 208     | 194     | 306                | 160     | 227     | 176     |
| Tuberculosis**                                                     | 45,647             | 47,767             | 49,016             | 50,874             | 54,042  | 53,315  | 53,726             | 55,494  | 57,535  | 63,534  |
| Tularemia                                                          | 184                | 208                | 264                | 342                | 327     | 328     | 365                | 390     | 459     | 587     |
| Typhoid fever                                                      | 396                | 378                | 454                | 501                | 566     | 608     | 814                | 816     | 859     | 1,043   |
| Typhus fever, flea-borne (endemic, murine)                         | 52                 | 33                 | 28                 | 30                 | 35      | 32      | 46                 | 68      | 51      | 71      |
| Typhus fever, tick-borne (Rocky Mountain spotted)                  | 305                | 268                | 281                | 277                | 216     | 240     | 219                | 204     | 199     | 243     |
| Yellow fever                                                       | .....*             | .....*             | .....*             | .....*             | .....*  | .....*  | .....*             | .....*  | .....*  | .....*  |

\*Not previously notifiable nationally.

<sup>†</sup>Includes Meningitis, other, for some states.<sup>‡</sup>Includes primary and post-infectious.<sup>§</sup>Registered deaths, 1958-1961.

\*\*Includes new active cases.

..... Last indigenous case reported 1911; last imported, 1924 .....

TABLE 5. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1948-1957

| Disease                                                            | 1957    | 1956    | 1955    | 1954    | 1953    | 1952    | 1951    | 1950    | 1949    | 1948    |
|--------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| U.S. total resident population, July 1, estimate<br>(in thousands) | 170,371 | 167,306 | 164,308 | 161,164 | 158,242 | 155,687 | 153,310 | 151,235 | 148,665 | 146,093 |
| Amebiasis                                                          | 5,031   | 3,689   | 3,348   | 3,523   | 4,444   | 4,280   | 3,550   | 4,568   | 5,543   | 4,871   |
| Anthrax                                                            | 26      | 38      | 39      | 22      | 45      | 47      | 60      | 49      | 54      | 60      |
| Botulism                                                           | 28      | 17      | 16      | 18      | 18      | 18      | 33      | 20      | 24      | 39      |
| Brucellosis (undulant fever)                                       | 983     | 1,300   | 1,444   | 1,823   | 2,032   | 2,537   | 3,139   | 3,510   | 4,235   | 4,991   |
| Chancroid*                                                         | 1,637   | 2,135   | 2,649   | 3,003   | 3,338   | 3,738   | 4,233   | 4,977   | 6,707   | 7,661   |
| Cholera                                                            | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       |
| Dengue                                                             | —       | 2       | 1       | 6       | 8       | 5       | 16      | 26      | 46      | 24      |
| Diphtheria                                                         | 1,211   | 1,568   | 1,984   | 2,041   | 2,355   | 2,960   | 3,983   | 5,796   | 7,969   | 9,493   |
| Encephalitis, acute infectious                                     | 2,135   | 2,624   | 2,166   | 2,606   | 1,935   | 1,912   | 1,123   | 1,135   | 903     | 730     |
| Gonorrhea*                                                         | 214,496 | 224,346 | 236,197 | 242,050 | 238,340 | 244,957 | 254,470 | 286,746 | 317,950 | 345,501 |
| Granuloma inguinale*                                               | 348     | 357     | 490     | 618     | 667     | 951     | 1,352   | 1,783   | 2,402   | 2,489   |
| Hepatitis, infectious                                              | 14,922  | 19,234  | 31,961  | 50,093  | 33,700  | 17,428  | 7,349   | 2,820   | 2,027   | 709     |
| Leprosy                                                            | 36      | 52      | 75      | 56      | 60      | 57      | 44      | 30      | 41      | 63      |
| Leptospirosis                                                      | 47      | 44      | 24      | 48      | 42      | 62      | 9       | 30      | 17      | 18      |
| Lymphogranuloma venereum*                                          | 448     | 500     | 762     | 875     | 983     | 1,200   | 1,300   | 1,427   | 1,925   | 2,429   |
| Malaria                                                            | 132     | 234     | 522     | 715     | 1,310   | 7,023   | 5,600   | 2,184   | 4,151   | 9,606   |
| Measles                                                            | 486,799 | 611,936 | 555,156 | 682,720 | 449,146 | 683,077 | 530,118 | 319,124 | 625,281 | 615,104 |
| Meningococcal infections                                           | 2,691   | 2,735   | 3,455   | 4,436   | 5,077   | 4,884   | 4,164   | 3,788   | 3,519   | 3,376   |
| Pertussis (whooping cough)                                         | 28,295  | 31,732  | 62,786  | 60,886  | 37,129  | 45,030  | 68,687  | 120,718 | 69,479  | 74,715  |
| Plague                                                             | 1       | 1       | —       | —       | —       | —       | 1       | 3       | 3       | —       |
| Polioomyelitis, total                                              | 5,485   | 15,140  | 28,985  | 38,476  | 35,592  | 57,879  | 28,386  | 33,300  | 42,033  | 27,726  |
| Paralytic                                                          | 2,499   | 7,911   | 13,850  | 18,308  | 15,648  | 21,269  | 10,037  | NA      | NA      | NA      |
| Psittacosis                                                        | 278     | 568     | 334     | 563     | 169     | 135     | 25      | 26      | 35      | 32      |
| Rabies, human†                                                     | 5       | 10      | 4       | 13      | 12      | 24      | 18      | 18      | 10      | 24      |
| Rabies, animal†                                                    | 4,542   | 5,681   | 5,799   | 7,297   | 8,903   | 8,445   | 8,008   | 7,901   | 7,587   | 8,495   |
| Rheumatic fever, acute                                             | 6,427   | 6,562   | —       | —       | —       | —       | 1,773   | 1,233   | 1,243   | 882     |
| Salmonellosis, excluding typhoid fever                             | 6,693   | 6,704   | 5,447   | 5,375   | 3,946   | 2,596   | 32,215  | 23,367  | 29,080  | 23,753  |
| Shigellosis (bacillary dysentery)                                  | 9,822   | 10,306  | 13,912  | 13,846  | 16,533  | 23,197  | —       | —       | 49      | 57      |
| Smallpox                                                           | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       |
| Streptococcal sore throat and scarlet fever                        | 226,973 | 176,392 | 147,502 | 147,785 | 132,935 | 113,677 | 84,151  | 64,494  | 87,220  | 91,295  |
| Syphilis, primary and secondary*                                   | 6,576   | 6,392   | 6,454   | 7,147   | 8,637   | 10,449  | 14,485  | 23,939  | 41,942  | 68,174  |
| Total, all stages*                                                 | 123,758 | 130,201 | 122,392 | 130,697 | 148,573 | 167,762 | 174,924 | 217,558 | 256,463 | 314,313 |
| Tetanus                                                            | 447     | 468     | 462     | 524     | 506     | 484     | 506     | 486     | 579     | 601     |
| Trichinosis                                                        | 178     | 262     | 264     | 277     | 395     | 367     | 393     | 327     | 353     | 487     |
| Tuberculosis**                                                     | 67,149  | 69,895  | 77,368  | 79,775  | 84,304  | 86,700  | 118,491 | 121,742 | 134,865 | 137,006 |
| Tularemia                                                          | 601     | 522     | 584     | 601     | 668     | 702     | 927     | 927     | 1,179   | 1,086   |
| Typhoid fever                                                      | 1,231   | 1,700   | 1,704   | 2,169   | 2,252   | 2,341   | 2,128   | 2,484   | 2,795   | 2,840   |
| Typhus fever, flea-borne (endemic, murine)                         | 113     | 98      | 135     | 163     | 221     | 205     | 378     | 685     | 985     | 1,171   |
| Typhus fever, tick-borne (Rocky Mountain spotted)                  | 240     | 293     | 295     | 294     | 313     | 327     | 347     | 464     | 570     | 547     |
| Yellow fever                                                       | —       | —       | —       | —       | —       | —       | —       | —       | —       | —       |

\*Data reported for calendar year.

†Data for 1953-1957 includes serum hepatitis.

‡Registered deaths.

§Data from Bureau of Animal Industry, U.S. Department of Agriculture, Agricultural Research Administration, 1948-1951.

\*\*Includes newly reported active and inactive cases, 1948-1951; new active cases, 1952-1957.

TABLE 6. NOTIFIABLE DISEASES — Summary of reported cases, United States, 1938-1947

| Disease                                                            | 1947    | 1946    | 1945    | 1944    | 1943    | 1942    | 1941    | 1940    | 1939    | 1938    |
|--------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| U.S. total resident population, July 1, estimate<br>(in thousands) | 143,446 | 140,054 | 132,481 | 132,885 | 134,245 | 133,920 | 133,121 | 131,954 | 130,880 | 129,825 |
| Amebiasis                                                          | 3,365   | 4,093   | 3,412   | 3,241   | 3,329   | 2,721   | 3,201   | 3,033   | 3,001   | 2,297   |
| Anthrax                                                            | 69      | 40      | 40      | 49      | 72      | 94      | 104     | 76      | 54      | 52      |
| Botulism                                                           | 44      |         |         |         |         | NA      |         |         |         |         |
| Brucellosis (undulant fever)                                       | 6,321   | 5,887   | 5,049   | 4,436   | 3,733   | 3,228   | 3,484   | 3,310   | 3,501   | 4,379   |
| Chancroid*                                                         | 9,515   | 7,091   | 5,515   | 7,878   | 8,354   | 5,477   | 3,384   | NA      | NA      | NA      |
| Cholera                                                            |         |         |         |         |         |         |         |         |         | NA      |
| Dengue                                                             | 35      | 40      | 106     | 61      | 123     | 171     | 600     | 66      | 144     | 250     |
| Diphtheria                                                         | 12,262  | 16,354  | 18,675  | 14,150  | 14,811  | 16,260  | 17,987  | 15,536  | 24,053  | 30,508  |
| Encephalitis, acute infectious                                     | 785     | 728     | 785     | 788     | 771     | 666     | 3,516   | 1,030   | 928     | 1,073   |
| Gonorrhea*                                                         | 380,666 | 368,020 | 287,181 | 300,676 | 275,070 | 212,403 | 193,468 | 175,841 | 182,314 | 198,439 |
| Granuloma inguinale*                                               | 2,330   | 2,232   | 1,857   | 1,759   | 1,748   | 1,278   | 639     | NA      | NA      | NA      |
| Hepatitis, infectious                                              | 1,092   |         |         |         |         | NA      |         |         |         |         |
| Leprosy                                                            | 56      | 43      | 40      | 37      | 35      | 70      | NA      | NA      | NA      | NA      |
| Leptospirosis                                                      | 14      |         |         |         |         | NA      |         |         |         |         |
| Lymphogranuloma venereum*                                          | 2,526   | 2,603   | 2,631   | 2,858   | 2,593   | 1,888   | 1,381   | NA      | NA      | NA      |
| Malaria                                                            | 15,116  | 48,610  | 62,763  | 57,626  | 54,554  | 60,077  | 68,074  | 78,129  | 82,654  | 84,205  |
| Measles                                                            | 222,375 | 659,843 | 146,013 | 630,291 | 633,627 | 547,413 | 894,134 | 291,162 | 403,317 | 822,811 |
| Meningococcal infections                                           | 3,420   | 5,693   | 8,208   | 16,312  | 18,223  | 3,823   | 2,006   | 1,653   | 1,972   | 2,859   |
| Pertussis (whooping cough)                                         | 156,517 | 109,860 | 133,792 | 109,873 | 191,890 | 191,383 | 222,202 | 183,866 | 183,188 | 227,319 |
| Plague                                                             | 1       |         |         | 1       | 1       | 1       | 2       | 1       | 1       |         |
| Polioomyelitis, acute                                              | 10,827  | 25,698  | 13,624  | 19,029  | 12,450  | 4,167   | 9,086   | 9,804   | 7,343   | 1,705   |
| Psittacosis                                                        | 27      | 26      | 27      | 6       | 1       | 23      | 11      | NA      | NA      | NA      |
| Rabies, human†                                                     | 26      | 34      | 43      | 56      | 47      | 36      | 39      | 41      | 40      | 66      |
| Rabies, animal‡                                                    | 8,920   | 10,850  | 9,928   | 10,487  | 9,649   | 7,137   | 7,847   | 7,210   | 9,365   | 6,816   |
| Salmonellosis                                                      | 951     | 723     | 648     | 712     | 731     | 504     | NA      | NA      | NA      | NA      |
| Shigellosis (bacillary dysentery)                                  | 17,048  | 24,286  | 34,943  | 38,230  | 31,590  | 25,572  | 18,972  | 17,501  | 16,537  | 15,886  |
| Smallpox                                                           | 176     | 337     | 346     | 397     | 765     | 865     | 1,396   | 2,795   | 9,877   | 14,939  |
| Streptococcal sore throat and scarlet fever                        | 93,595  | 125,511 | 185,570 | 200,539 | 150,362 | 135,755 | 139,424 | 165,766 | 173,162 | 198,428 |
| Syphilis, primary and secondary*                                   | 93,545  | 94,357  | 77,007  | 78,443  | 82,204  | 75,312  | 68,231  | NA      | NA      | NA      |
| Total, all stages*                                                 | 355,592 | 963,647 | 359,114 | 467,755 | 575,593 | 479,601 | 485,560 | 472,900 | 478,738 | 480,140 |
| Tetanus                                                            | 560     |         |         |         |         |         |         |         |         |         |
| Trichinosis                                                        | 451     |         |         |         |         | NA      |         |         |         |         |
| Tuberculosis†                                                      | 134,946 | 119,256 | 114,931 | 126,294 | 120,253 | 117,204 | 105,567 | 102,984 | 103,922 | 107,021 |
| Tularemia                                                          | 1,401   | 1,355   | 900     | 781     | 966     | 1,024   | 1,530   | 1,620   | 2,291   | 2,088   |
| Typhoid fever**                                                    | 3,075   | 3,268   | 4,211   | 4,599   | 4,690   | 5,595   | 8,601   | 9,809   | 13,069  | 14,903  |
| Typhus fever, flea-borne (endemic, murine)                         | 2,050   | 3,365   | 5,193   | 5,401   | 4,528   | 3,736   | 2,784   | 1,878   | 2,996   | 2,294   |
| Typhus fever, tick-borne (Rocky Mountain spotted)                  | 596     | 587     | 472     | 470     | 473     | 498     | 516     | 457     | 559     | 434     |
| Yellow fever                                                       |         |         |         |         |         |         |         |         |         |         |

\*Data reported for fiscal years.

†Registered deaths.

‡Data from Bureau of Animal Industry, U.S. Department of Agriculture, Agricultural Research Administration.

\*Includes newly reported active and inactive cases.

\*\*Includes cases of paratyphoid 1938-1941.

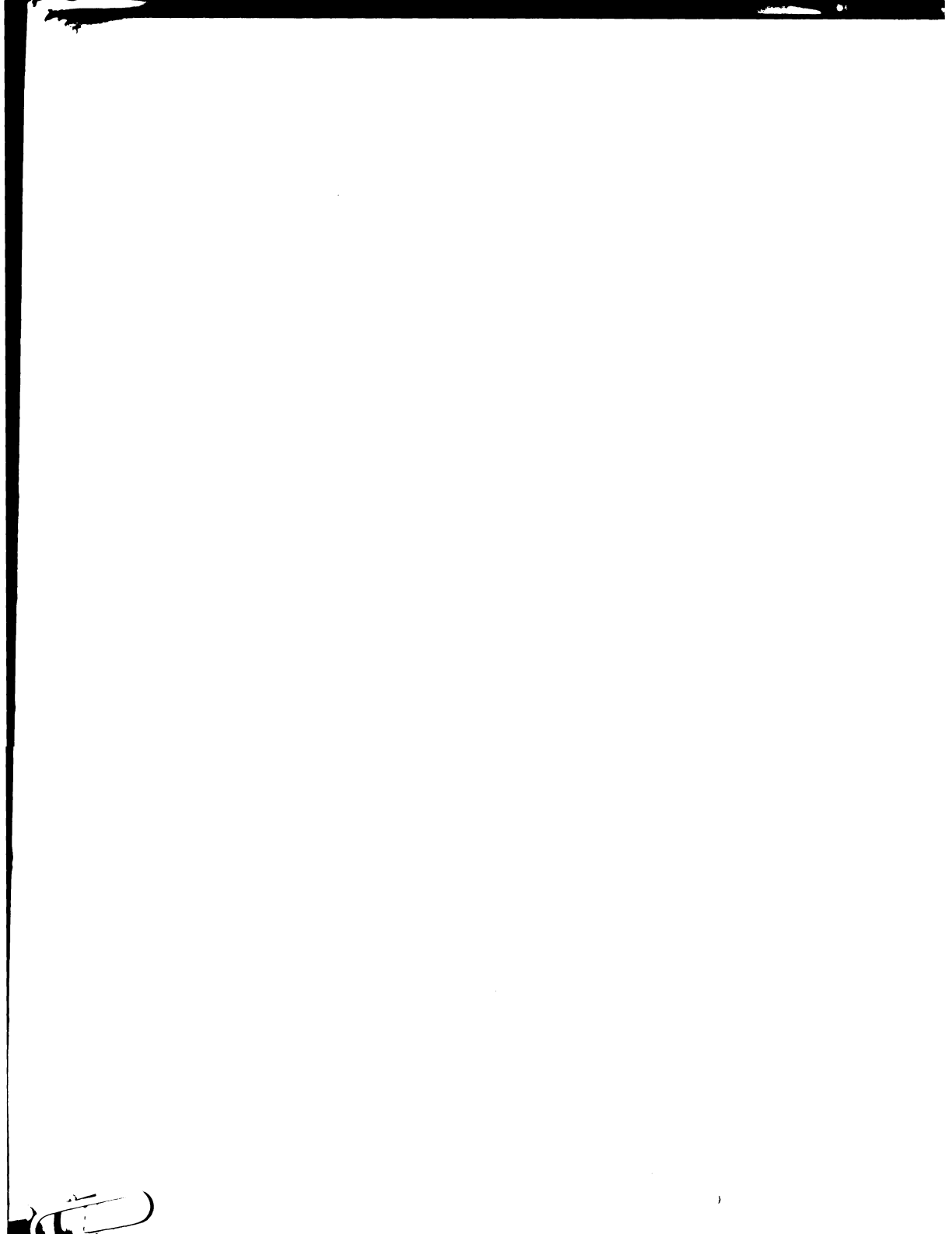
**TABLE 7. NOTIFIABLE DISEASES — Deaths from specified notifiable diseases, United States, 1976-1985**  
(Numbers in ICD column refer to the category numbers listed in the Ninth Revision of the International Classification of Diseases, 1975.)

| Cause of Death                                    | ICD              | 1985  | 1984  | 1983  | 1982  | 1981  | 1980  | 1979  | 1978  | 1977  | 1976  |
|---------------------------------------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Acquired Immunodeficiency Syndrome (AIDS)*        | 279.1            | 6,040 | 2,943 | 1,141 | NA    | NA    | NA    | NA    | NA    | NA    | NA    |
| Amebiasis                                         | 006              | 10    | 10    | 21    | 7     | 16    | 22    | 19    | 14    | 28    | 36    |
| Anthrax                                           | 022              | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| Botulism, foodborne                               | 005.1            | 4     | 4     | 7     | 4     | 3     | 5     | 2     | 5     | 6     | 3     |
| Brucellosis                                       | 023              | 1     | —     | —     | 2     | 1     | —     | 2     | 3     | —     | 2     |
| Chancroid                                         | 099.0            | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| Cholera                                           | 001              | 1     | —     | —     | —     | 3     | 1     | —     | —     | —     | —     |
| Diphtheria                                        | 032              | —     | —     | —     | 1     | —     | 1     | 1     | 4     | 5     | 7     |
| Encephalitis, acute infectious†                   | 062-064.049      | 153   | 168   | 169   | 166   | 164   | 188   | 172   | 185   | 206   | 253   |
| Gonococcal infections                             | 098              | 2     | 3     | 4     | 6     | 4     | 7     | 1     | 9     | 1     | 1     |
| Granuloma inguinale                               | 099.2            | —     | —     | —     | —     | —     | 1     | 1     | 1     | —     | —     |
| Hepatitis, viral, infectious (Hepatitis A)        | 070.0, 070.1     | 80    | 77    | 82    | 83    | 93    | 112   | 129   | —     | —     | —     |
| Hepatitis, viral, serum (Hepatitis B)             | 070.2, 070.3     | 490   | 465   | 438   | 375   | 359   | 294   | 260   | 508   | 508   | 567   |
| Hepatitis, viral, other and unsp.                 | 070.4-070.9      | 372   | 327   | 343   | 356   | 410   | 403   | 364   | —     | —     | —     |
| Leprosy                                           | 030              | 2     | 6     | 3     | 3     | 2     | —     | 3     | 4     | 1     | 1     |
| Leptospirosis                                     | 100              | 4     | —     | 5     | 4     | 5     | 2     | 4     | 5     | 8     | 12    |
| Lymphogranuloma venereum                          | 099.1            | 3     | —     | —     | 1     | 1     | 1     | 1     | —     | —     | —     |
| Malaria                                           | 084              | 13    | 7     | 3     | 2     | 7     | —     | 3     | 5     | 3     | 4     |
| Measles (rubeola)                                 | 055              | 4     | 1     | 4     | 2     | 2     | 11    | 6     | 11    | 15    | 12    |
| Meningococcal infection                           | 036              | 257   | 300   | 299   | 364   | 459   | 387   | 404   | 403   | 338   | 330   |
| Mumps                                             | 072              | —     | 1     | 2     | 2     | 1     | 2     | 2     | 3     | 5     | 8     |
| Pertussis (whooping cough)                        | 033              | 4     | 7     | 5     | 4     | 6     | 11    | 6     | 6     | 10    | 7     |
| Plague                                            | 020              | 1     | 3     | 5     | 3     | 3     | 5     | 2     | —     | —     | 2     |
| Poliomyelitis                                     | 045.0-045.9      | 3     | —     | —     | —     | —     | 6     | 4     | 13    | 16    | 16    |
| Bulbar or polioencephalitis                       | 045.0            | —     | —     | —     | —     | —     | —     | —     | —     | 2     | 3     |
| With other paralysis                              | 045.1            | —     | —     | —     | —     | —     | 2     | 1     | 1     | 2     | 1     |
| Non-paralytic                                     | 045.2            | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |
| Unspecified                                       | 045.9            | 3     | —     | —     | —     | —     | 4     | 3     | 12    | 12    | 12    |
| Psittacosis (ornithosis)                          | 073              | 1     | —     | 1     | —     | —     | —     | —     | 1     | —     | —     |
| Rabies                                            | 071              | —     | 2     | 2     | —     | 1     | —     | 4     | 2     | —     | 1     |
| Rheumatic fever, acute                            | 390-392          | 56    | 70    | 87    | 77    | 96    | 109   | 114   | 138   | 125   | 149   |
| Rubella (German measles)                          | 056              | 1     | 1     | 3     | 4     | 5     | 1     | 1     | 10    | 17    | 12    |
| Salmonellosis, including paratyphoid fever        | 002.1-002.9, 003 | 117   | 90    | 82    | 89    | 105   | 89    | 70    | 79    | 73    | 61    |
| Shigellosis                                       | 004              | 17    | 8     | 9     | 9     | 11    | 15    | 19    | 20    | 25    | 19    |
| Syphilis                                          | 090-097          | 80    | 105   | 121   | 126   | 136   | 154   | 180   | 169   | 196   | 225   |
| Tetanus                                           | 037              | 23    | 20    | 22    | 22    | 31    | 28    | 30    | 32    | 24    | 32    |
| Trichinosis                                       | 124              | 1     | —     | —     | —     | —     | 1     | 2     | —     | —     | 1     |
| Tuberculosis (all forms)                          | 010-018          | 1,752 | 1,729 | 1,779 | 1,807 | 1,937 | 1,978 | 2,007 | 2,914 | 2,968 | 3,130 |
| Tularemia                                         | 021              | 3     | 2     | 1     | 2     | 1     | 3     | 2     | —     | 2     | 2     |
| Typhoid fever                                     | 002.0            | —     | —     | 3     | 2     | 2     | 2     | 3     | 2     | 3     | 2     |
| Typhus fever, flea-borne (endemic-murine)         | 081.0            | 1     | —     | —     | —     | —     | —     | —     | —     | —     | 1     |
| Typhus fever, tick-borne (Rocky Mountain spotted) | 082.0            | 22    | 34    | 35    | 40    | 30    | 38    | 32    | 30    | 43    | 41    |
| Varicella (chickenpox)                            | 052              | 68    | 53    | 57    | 61    | 84    | 78    | 103   | 91    | 89    | 106   |

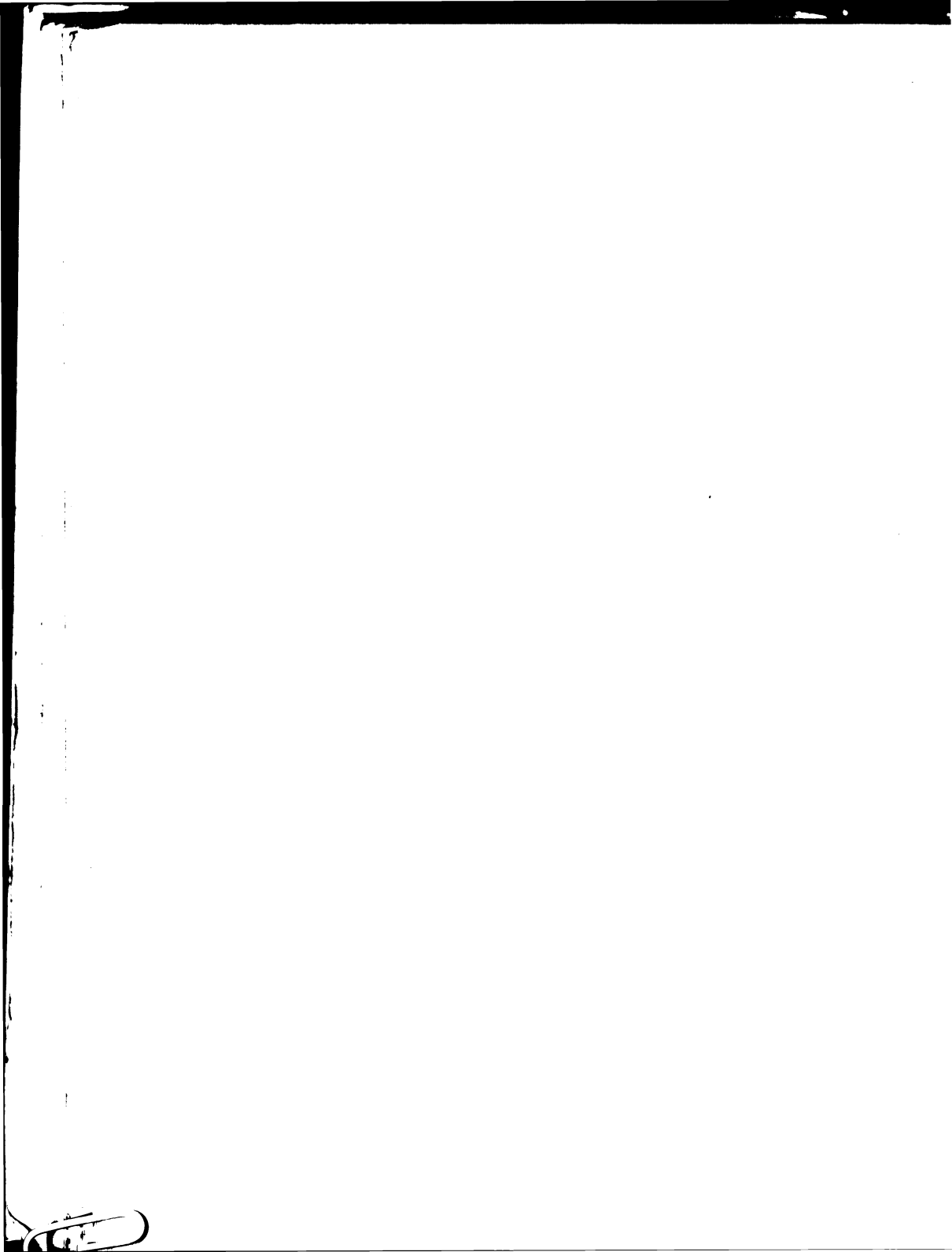
\*Estimated from death certificates with mention of conditions coded to Deficiency of cell-mediated immunity (ICD-9 No. 279.1). Includes other human immunodeficiency virus (HIV)-related deaths and other diseases classifiable as deficiency of cell-mediated immunity.

†Arthropod-borne encephalitis and other non-arthropod-borne viral diseases of the central nervous system.

Source: National Center for Health Statistics, CDC, National Vital Statistics System, 1977-1985. Deaths are classified according to the Eighth Revision, ICD, for 1977-1978 and according to the Ninth Revision, ICD, for 1979-1985. Discontinuities for some causes may result due to the introduction of the Ninth Revision.







## State and Territorial Epidemiologists and State Laboratory Directors

State and Territorial Epidemiologists and State Laboratory Directors are gratefully acknowledged for their contributions to this report. The persons listed below were in the positions shown as of September 1988.

| State                          | Epidemiologists                      | Laboratory Directors           |
|--------------------------------|--------------------------------------|--------------------------------|
| Alabama                        | Charles H. Woernle, MD               | William J. Callan, PhD, Acting |
| Alaska                         | John P. Moidaugh, MD                 | Katherine A. Kelley, DrPH      |
| Arizona                        | Steven J. Englender, MD, MPH         | Jon M. Counts, DrPH            |
| Arkansas                       | Thomas C. McChesney, DVM             | Robert L. Horn                 |
| California                     | Kathleen H. Acree, MDCM, MPH, Acting | G. W. Fuhs, DrSciNat           |
| Colorado                       | Richard E. Hoffman, MD, MPH          | Ronald L. Cada, DrPH           |
| Connecticut                    | James L. Hadler, MD, MPH             | Jesse Tucker, PhD              |
| Delaware                       | Paul R. Silverman, DrPH              | Mahadeo P. Verma, PhD          |
| District of Columbia           | Martin E. Levy, MD, MPH              | James B. Thomas, ScD           |
| Florida                        | Michael H. Wilder, MD                | E. Charles Hartwig, ScD        |
| Georgia                        | R. Keith Sikes, DVM, MPH             | Frank M. Rumph, PhD            |
| Hawaii                         | Robert M. Worth, MD, MPH             | Vernon K. Miyamoto, PhD        |
| Idaho                          | Charles D. Brokopp, DrPH             | Roger Perotto, Acting          |
| Illinois                       | Byron J. Francis, MD                 | David F. Carpenter, PhD        |
| Indiana                        | Gordon R. Reeve, PhD, MPH            | Gregory V. Hayes, DrPH         |
| Iowa                           | Laverne A. Wintermeyer, MD           | W. J. Hausler, Jr, PhD         |
| Kansas                         | Cindy Wood, MD, MPH                  | Roger H. Carlson, PhD          |
| Kentucky                       | J. Michael Moser, MD, MPH            | Thomas E. Maxson, DrPH         |
| Louisiana                      | Joyce B. Mathison, MD, MPH&TM        | Henry Bradford, Jr., PhD       |
| Maine                          | Kathleen F. Gensheimer, MD           | Philip W. Haines, DrPH         |
| Maryland                       | Ebenezer Israel, MD, MPH             | J. Mehnen Joseph, PhD          |
| Massachusetts                  | George F. Grady, MD                  | Ralph J. Timperi, MPH          |
| Michigan                       | Kenneth R. Wilcox, Jr., MD           | George R. Anderson, DVM        |
| Minnesota                      | Michael T. Osterholm, PhD, MPH       | Robert Lindner, MD, PhD        |
| Mississippi                    | Fred E. Thompson, MD                 | R. H. Andrews, MPH             |
| Missouri                       | H. Denny Donnell, Jr., MD, MPH       | Eric C. Blank, DrPH            |
| Montana                        | Judith K. Gedrose, RN, MN            | Douglas Abbott, PhD            |
| Nebraska                       | Christine M. Newlon, RN, Acting      | John Blosser                   |
| Nevada                         | Joseph Q. Jarvis, MD, Acting         | George E. Reynolds, MD         |
| New Hampshire                  | Frederic E. Shaw, Jr., MD            | Veronica C. Malmberg           |
| New Jersey                     | Kenneth C. Spitalny, MD              | Bernard F. Taylor, PhD         |
| New Mexico                     | Harry F. Hull, MD                    | Loris W. Hughes, PhD           |
| New York City                  | Stephen Schultz, MD                  | Paul S. Maye, DSc              |
| New York State                 | Dale L. Morse, MD                    | Donald S. Berns, PhD           |
| North Carolina                 | J. N. MacCormack, MD, MPH            | Samuel N. Merritt, DrPH        |
| North Dakota                   | Stephen McDonough, MD, Acting        | James L. Pearson, DrPH         |
| Ohio                           | Thomas J. Halpin, MD, MPH            | Gary D. Davidson, DrPH         |
| Oklahoma                       | Gregory R. Istre, MD                 | Garry L. McKee, PhD            |
| Oregon                         | Laurence R. Foster, MD, MPH          | Michael R. Skeels, PhD         |
| Pennsylvania                   | Ronald David, MD                     | Vern Pidcoe, DrPH              |
| Rhode Island                   | Barbara A. DeBuono, MD, MPH          | Raymond G. Lundgren, Jr., PhD  |
| South Carolina                 | William B. Gamble, Jr., MD, MPH      | Arthur F. DiSalvo, MD          |
| South Dakota                   | Kenneth A. Senger, BS                | Vacant                         |
| Tennessee                      | Robert H. Hutcheson, MD              | Michael W. Kimberly, DrPH      |
| Texas                          | Thomas G. Betz, MD, MPH              | Charles E. Sweet, DrPH         |
| Utah                           | Craig R. Nichols, MPA                | A. Richard Melton, DrPH        |
| Vermont                        | Richard L. Vogt, MD                  | Vacant                         |
| Virginia                       | Grayson B. Miller, Jr., MD           | Frank W. Lambert, Jr., DrPH    |
| Washington                     | John M. Kobayashi, MD                | Darrell W. Brock, DrPH, Acting |
| West Virginia                  | Roy C. Baron, MD, MPH, Acting        | John W. Brough, DrPH           |
| Wisconsin                      | Jeffrey P. Davis, MD                 | Ronald H. Laessig, PhD         |
| Wyoming                        | R. L. Meuli, MD, Acting              | Richard F. Hudson, PhD         |
| Guam                           | Robert L. Haddock, DVM               | Angelina S. Roman              |
| Federated States of Micronesia | Eliuel K. Pretrick, MO               | Vacant                         |
| Marshall Islands               | Tony de Brum                         | Vacant                         |
| American Samoa                 | Julia L. Lyons, MD, MPH              | Vacant                         |
| Palau                          | Anthony H. Polloi, MO                | Vacant                         |
| Puerto Rico                    | John V. Rullan, MD                   | Raul Baco Dapena, MD           |
| Virgin Islands                 | John N. Lewis, MD                    | Norbert Mantor, PhD            |

☆U.S. Government Printing Office: 1988-530-111/81525 Region IV

---

**DEPARTMENT OF  
HEALTH & HUMAN SERVICES**  
Public Health Service  
Centers for Disease Control  
Atlanta, GA 30333

---

**Official Business**  
Penalty for Private Use \$300

|                                                                                             |
|---------------------------------------------------------------------------------------------|
| <p><b>FIRST-CLASS MAIL<br/>POSTAGE &amp; FEES PAID<br/>PHS/CDC<br/>Permit No. G-284</b></p> |
|---------------------------------------------------------------------------------------------|