

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the NATIONAL OFFICE OF VITAL STATISTICS Executive 3-6300, Ext. 4744

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended April 9, 1960

The number of cases of measles, aseptic meningitis, meningococcal infections, and streptococcal sore throat reported in each State during the first 13 weeks of 1960 is shown in the table on page 2.

A total of 937 cases of hepatitis was reported for the current week. The State reporting the largest figure was Kentucky with 104 cases. California, Ohio, and Texas reported 75, 73, and 76 cases, respectively.

### Mortality

Mortality from all causes for the 14th week was, for the first time this year, lower than the adjusted average. None of the figures by geographic division were higher than the adjusted average.

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#### Staphylococcal infections

Dr. Robert E. Markush, Florida State Board of Health, reported that an outbreak of 15 cases of hospital-acquired pyogenic infection was traced with reasonable probability, by the help of antibiotic sensitivity patterns, to a nurse who remained on duty while suffering from an active staphylococcal infection. Bacteriophage types are not yet available.

#### Poliomyelitis

The New Jersey State Department of Health supplied information on the 106 cases (87 paralytic and 19 nonparalytic)

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Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

| Disease<br>(Seventh Revision of International<br>Lists, 1955)     | 14th week                                |                              |                   | Cumulative        |         |                   |                         |         |                                    | Approximate<br>seasonal<br>low<br>point |
|---|--|------------------------------|-------------------|-------------------|---------|-------------------|-------------------------|---------|------------------------------------|---|
|   | Ended<br>Apr.<br>9,<br>1960 <sup>1</sup> | Ended<br>Apr.<br>11,<br>1959 | Median<br>1955-59 | First 14 weeks    |         |                   | Since seasonal low week |         |                                    |   |
|   |  |                              |                   | 1960 <sup>1</sup> | 1959    | Median<br>1955-59 | 1959-60 <sup>1</sup>    | 1958-59 | Median<br>1954-55<br>to<br>1958-59 |   |
| Anthrax-----062   | -  | -                            | -                 | 6                 | 3       | 6                 | (2)                     | (2)     | (2)                                | (2)                                     |
| Botulism-----049.1  | -  | -                            | -                 | 3                 | 2       | -                 | (2)                     | (2)     | (2)                                | (2)                                     |
| Brucellosis (undulant fever)-----044                              | 25                                       | 12                           | 19                | 215               | 186     | 234               | (2)                     | (2)     | (2)                                | (2)                                     |
| Diphtheria-----055  | 19                                       | 7                            | 16                | 245               | 267     | 308               | 813                     | 873     | 1,081                              | July 1                                  |
| Encephalitis, infectious-----082                                  | 30                                       | 41                           | 28                | 396               | 372     | 335               | 2,018                   | 2,107   | 1,678                              | June 1                                  |
| Hepatitis, infectious, and<br>serum-----092,N998.5 pt.            | 937                                      | 448                          | 417               | 10,730            | 7,601   | 6,859             | 19,160                  | 13,018  | 13,018                             | Sept. 1                                 |
| Malaria-----110-117   | -  | 1                            | 3                 | 13                | 18      | 23                | (2)                     | (2)     | (2)                                | (2)                                     |
| Measles-----085   | 19,197                                   | 17,260                       | 24,208            | 166,930           | 187,623 | 227,115           | 206,399                 | 239,012 | 264,986                            | Sept. 1                                 |
| Meningitis, aseptic-----340 pt.                                   | 27                                       | ---                          | ---               | 394               | ---     | ---               | ---                     | ---     | ---                                | ---                                     |
| Meningococcal infections-----057                                  | 54                                       | 60                           | 60                | 813               | 780     | 903               | 1,477                   | 1,643   | 1,912                              | Sept. 1                                 |
| Poliomyelitis-----080   | 13                                       | 19                           | 33                | 235               | 312     | 563               | 8,534                   | 19      | 33                                 | Apr. 1                                  |
| Paralytic-----080.0,080.1   | 11                                       | 13                           | 17                | 167               | 221     | 292               | 5,689                   | 13      | 17                                 | Apr. 1                                  |
| Nonparalytic-----080.2  | 2  | 4                            | 14                | 41                | 52      | 180               | 2,161                   | 4       | 14                                 | Apr. 1                                  |
| Unspecified-----080.3   | -  | 2                            | 3                 | 27                | 39      | 91                | 684                     | 2       | 3                                  | Apr. 1                                  |
| Pittacosis-----096.2  | 2  | 2                            | 4                 | 44                | 33      | 73                | (2)                     | (2)     | (2)                                | (2)                                     |
| Rabies in man-----094   | -  | -                            | -                 | -                 | -       | 2                 | (2)                     | (2)     | (2)                                | (2)                                     |
| Streptococcal sore throat,<br>including scarlet fever-----050,051 | 8,586                                    | ---                          | ---               | 121,758           | ---     | ---               | ---                     | ---     | ---                                | ---                                     |
| Typhoid fever-----040   | 13                                       | 11                           | 16                | 141               | 138     | 277               | 881                     | 11      | 16                                 | Apr. 1                                  |
| Typhus fever, endemic-----101                                     | -  | 2                            | 1                 | 5                 | 8       | 17                | 46                      | 2       | 1                                  | Apr. 1                                  |
| Rabies in animals-----  | 79                                       | 69                           | 112               | 1,180             | 1,125   | 1,447             | 2,229                   | 2,026   | 2,497                              | Oct. 1                                  |

<sup>1</sup>Data exclude report from Wyoming for the current week.

<sup>2</sup>Data show no pronounced seasonal change in incidence.

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of poliomyelitis occurring in that State during 1959. The cases were scattered over 17 counties with the most, 23, reported in Bergen County. Of the 87 cases classified as paralytic, 27 were in children under 5 years of age and 22 in children from 5 to 9 years of age. Of the 19 nonparalytic cases, only 1 child was under 5 years of age and 11 were in the age group 5 to 14 years. Forty-nine of the paralytic cases were in males and 38 in females. The age breakdown by sex shows that 15 of the 38 cases in females were children under 5 years of age, and 9 were from 5 to 9 years old compared with 12 and 13 cases in males in those respective age groups. Forty-one of the paralytic cases were in persons who had received no vaccine; 22 had received 3 or more doses. Type I poliovirus was isolated from 54 of 80 paralytic cases from whom specimens were examined. Type III virus was isolated from 9 cases and 17 were negative. Type I virus was isolated from 8 of 15 nonparalytic cases and 7 were negative. The type III virus was isolated only from persons with less than 3 doses of vaccine. There were 7 deaths reported.

Dr. Robert E. Markush, Florida State Board of Health, reported that of the 130 paralytic poliomyelitis cases reported during 1959, 119 were in white persons—a rate of 3.2 per 100,000 population. The 11 cases in nonwhite persons gave a rate of 1.2 per 100,000. Only 1 of the 11 reported nonwhite cases occurred in an individual over age 5 years, whereas 76 of the 119 reported white cases occurred in persons in the older age groups. Twenty-four percent of the cases with vaccination status known, had received 3 or more doses of vaccine.

Typhoid fever

Dr. A. M. Washburn, Arkansas State Board of Health, has supplied information on 4 typhoid carriers recently coming to the attention of State Health authorities. An 86-year-old white female, a resident of a State institution for a number of years, was recently identified as a typhoid carrier when *Salmonella typhi*, phage type E1, was cultured from a fecal specimen. During the past 2 years, 3 cases of acute typhoid fever have occurred in the same ward. Some 400 fecal examinations were done before this carrier was discovered. Most of the cultures were examined since November 1959. During the investigation of a confirmed case of typhoid fever in a 3-year-old white girl it was learned that her maternal grandfather, with whom she had had recent contact, had typhoid fever when he was about 30 years of age. Now at 77 years of age *S. typhi*, phage type E1, has been cultured from a fecal specimen from him. Also, while investigating an illness in a group of young Negro children a 50-year-old aunt of 5 of the children proved to have an almost pure culture of *S. typhi*, phage type E1, in a fecal specimen. Nine cases have been attributed to this woman, who had typhoid fever about 30 years ago. The first of these was in a 3-year-old nephew with secondary cases in 4 siblings and 3 playmates and in a 26-year-old male neighbor. The fourth carrier is a 26-year-old white female who recently moved into the State. She was located following an interstate notification.

**QUARANTINE MEASURES**

Immunization Information for International Travel  
No changes reported

REPORTED CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, FIRST 13 WEEKS OF 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| AREA                    | Measles | Menin-<br>gitis,<br>aseptic | Meningo-<br>coccal<br>infec-<br>tions | Strepto-<br>coccal<br>sore<br>throat,<br>etc. |
|-------------------------|---------|-----------------------------|---------------------------------------|---|
|                         | 085     | 340 pt.                     | 057                                   | 050,051                                       |
| UNITED STATES-----      | 147,733 | 367                         | 759                                   | 113,172                                       |
| NEW ENGLAND-----        | 10,400  | 14                          | 64                                    | 5,441   |
| Maine-----              | 1,389   | 6                           | 10                                    | 313   |
| New Hampshire-----      | 100     | -                           | 2                                     | 126   |
| Vermont-----            | 261     | 1                           | 3                                     | 157   |
| Massachusetts-----      | 5,567   | 2                           | 25                                    | 2,220   |
| Rhode Island-----       | 277     | 5                           | 9                                     | 395   |
| Connecticut-----        | 2,806   | -                           | 15                                    | 2,230   |
| MIDDLE ATLANTIC-----    | 19,763  | 26                          | 157                                   | 7,194   |
| New York-----           | 16,408  | 4                           | 96                                    | 3,644   |
| New Jersey-----         | 2,158   | 8                           | 20                                    | 1,462   |
| Pennsylvania-----       | 1,197   | 14                          | 41                                    | 2,088   |
| EAST NORTH CENTRAL----- | 37,409  | 53                          | 129                                   | 14,620  |
| Ohio-----               | 5,268   | 7                           | 36                                    | 2,780   |
| Indiana-----            | 3,340   | 10                          | 10                                    | 3,217   |
| Illinois-----           | 9,588   | 17                          | 36                                    | 2,022   |
| Michigan-----           | 10,020  | 5                           | 33                                    | 4,110   |
| Wisconsin-----          | 9,193   | 14                          | 14                                    | 2,491   |
| WEST NORTH CENTRAL----- | 3,622   | 15                          | 30                                    | 3,122   |
| Minnesota-----          | 2,273   | 12                          | 9                                     | 425   |
| Iowa-----               | 402     | 1                           | 1                                     | 1,074   |
| Missouri-----           | 169     | -                           | 9                                     | 359   |
| North Dakota-----       | 682     | -                           | 2                                     | 1,165   |
| South Dakota-----       | 40      | -                           | 3                                     | 99  |
| Nebraska-----           | 56      | 1                           | 4                                     | -   |
| Kansas-----             | (*)     | 1                           | 2                                     | -   |
| SOUTH ATLANTIC-----     | 7,647   | 51                          | 101                                   | 8,471   |
| Delaware-----           | 104     | -                           | 1                                     | 123   |
| Maryland-----           | 1,366   | -                           | 12                                    | 440   |
| District of Columbia--  | 700     | 3                           | 7                                     | 38  |
| Virginia-----           | 2,632   | 9                           | 18                                    | 2,149   |
| West Virginia-----      | 773     | 6                           | 10                                    | 3,149   |
| North Carolina-----     | 461     | -                           | 23                                    | 401   |
| South Carolina-----     | 236     | -                           | 2                                     | 644   |
| Georgia-----            | 29      | 2                           | 10                                    | 42  |
| Florida-----            | 1,306   | 31                          | 18                                    | 1,485   |
| EAST SOUTH CENTRAL----- | 13,172  | 40                          | 82                                    | 18,366  |
| Kentucky-----           | 4,732   | 13                          | 21                                    | 2,838   |
| Tennessee-----          | 6,847   | 3                           | 25                                    | 14,486  |
| Alabama-----            | 730     | 4                           | 25                                    | 388   |
| Mississippi-----        | 863     | 20                          | 11                                    | 656   |
| WEST SOUTH CENTRAL----- | 27,334  | 46                          | 88                                    | 14,960  |
| Arkansas-----           | 539     | 2                           | 6                                     | 243   |
| Louisiana-----          | 120     | -                           | 35                                    | 79  |
| Oklahoma-----           | 492     | -                           | 10                                    | 215   |
| Texas-----              | 26,183  | 44                          | 37                                    | 14,423  |
| MOUNTAIN-----           | 8,080   | 15                          | 11                                    | 22,983  |
| Montana-----            | 856     | 1                           | 1                                     | 960   |
| Idaho-----              | 1,799   | -                           | 1                                     | 1,434   |
| Wyoming-----            | 449     | -                           | -                                     | 681   |
| Colorado-----           | 1,186   | 14                          | 2                                     | 8,953   |
| New Mexico-----         | -       | -                           | 2                                     | 3,283   |
| Arizona-----            | 1,078   | -                           | 1                                     | 3,473   |
| Utah-----               | 2,504   | -                           | 2                                     | 4,026   |
| Nevada-----             | 208     | -                           | 2                                     | 173   |
| PACIFIC-----            | 20,306  | 107                         | 97                                    | 18,013  |
| Washington-----         | 6,437   | 7                           | 8                                     | 6,066   |
| Oregon-----             | 2,841   | 2                           | 10                                    | 898   |
| California-----         | 6,345   | 97                          | 73                                    | 10,781  |
| Alaska-----             | 441     | 1                           | 5                                     | 232   |
| Hawaii-----             | 4,242   | -                           | 1                                     | 34  |
| Puerto Rico-----        | 475     | 7                           | 3                                     | 31  |

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 11, 1959, AND APRIL 9, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| Area                             | Poliomyelitis 080  |      |                               |      |                       |      |                               |      |              |      | Menin-<br>gitis,<br>aseptic<br>340 pt. | Brucel-<br>losis<br>(undul-<br>ant<br>fever)<br>044 |
|----------------------------------|--------------------|------|-------------------------------|------|-----------------------|------|-------------------------------|------|--------------|------|--|---|
|                                  | Total <sup>1</sup> |      |                               |      | Paralytic 080.0,080.1 |      |                               |      | Nonparalytic |      |  |   |
|                                  | 14th week          |      | Cumulative,<br>first 14 weeks |      | 14th week             |      | Cumulative,<br>first 14 weeks |      | 080.2        |      |  |   |
|                                  | 1960               | 1959 | 1960                          | 1959 | 1960                  | 1959 | 1960                          | 1959 | 1960         | 1959 |  |   |
| UNITED STATES <sup>2</sup> ----- | 13                 | 19   | 235                           | 312  | 11                    | 13   | 167                           | 221  | 2            | 4    | 27                                     | 25  |
| NEW ENGLAND-----                 | -                  | 1    | 6                             | 5    | -                     | 1    | 6                             | 5    | -            | -    | -                                      | -   |
| Maine-----                       | -                  | -    | 2                             | -    | -                     | -    | 2                             | -    | -            | -    | -                                      | -   |
| New Hampshire-----               | -                  | -    | -                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| Vermont-----                     | -                  | -    | -                             | 1    | -                     | -    | -                             | 1    | -            | -    | -                                      | -   |
| Massachusetts-----               | -                  | 1    | 4                             | 3    | -                     | 1    | 4                             | 3    | -            | -    | -                                      | -   |
| Rhode Island-----                | -                  | -    | -                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| Connecticut-----                 | -                  | -    | -                             | 1    | -                     | -    | -                             | 1    | -            | -    | -                                      | -   |
| MIDDLE ATLANTIC-----             | 2                  | 3    | 34                            | 21   | 1                     | 2    | 23                            | 7    | 1            | 1    | 5                                      | -   |
| New York-----                    | 1                  | 3    | 29                            | 17   | 1                     | 2    | 19                            | 6    | -            | 1    | 3                                      | -   |
| New Jersey-----                  | -                  | -    | 3                             | 2    | -                     | -    | 3                             | -    | -            | -    | 2                                      | -   |
| Pennsylvania-----                | 1                  | -    | 2                             | 2    | -                     | -    | 1                             | 1    | 1            | -    | -                                      | -   |
| EAST NORTH CENTRAL-----          | -                  | 1    | 28                            | 21   | -                     | 1    | 8                             | 14   | -            | -    | 5                                      | 4   |
| Ohio-----                        | -                  | -    | 15                            | 10   | -                     | -    | 3                             | 5    | -            | -    | -                                      | -   |
| Indiana-----                     | -                  | 1    | 1                             | 1    | -                     | 1    | 1                             | 1    | -            | -    | 1                                      | -   |
| Illinois-----                    | -                  | -    | 3                             | 1    | -                     | -    | 2                             | -    | -            | -    | 2                                      | 4   |
| Michigan-----                    | -                  | -    | 7                             | 8    | -                     | -    | 2                             | 7    | -            | -    | -                                      | -   |
| Wisconsin-----                   | -                  | -    | 2                             | 1    | -                     | -    | -                             | 1    | -            | -    | 2                                      | -   |
| WEST NORTH CENTRAL-----          | -                  | -    | 14                            | 34   | -                     | -    | 8                             | 18   | -            | -    | -                                      | 17  |
| Minnesota-----                   | -                  | -    | 8                             | -    | -                     | -    | 6                             | -    | -            | -    | -                                      | -   |
| Iowa-----                        | -                  | -    | 4                             | -    | -                     | -    | 2                             | -    | -            | -    | -                                      | 15  |
| Missouri-----                    | -                  | -    | 1                             | 26   | -                     | -    | -                             | 17   | -            | -    | -                                      | 1   |
| North Dakota-----                | -                  | -    | -                             | 1    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| South Dakota-----                | -                  | -    | 1                             | 2    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| Nebraska-----                    | -                  | -    | -                             | 3    | -                     | -    | -                             | 1    | -            | -    | -                                      | -   |
| Kansas-----                      | -                  | -    | -                             | 2    | -                     | -    | -                             | -    | -            | -    | -                                      | 1   |
| SOUTH ATLANTIC-----              | 2                  | -    | 44                            | 64   | 2                     | -    | 35                            | 47   | -            | -    | 1                                      | 1   |
| Delaware-----                    | -                  | -    | 1                             | 2    | -                     | -    | -                             | 2    | -            | -    | -                                      | -   |
| Maryland-----                    | -                  | -    | 1                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| District of Columbia-----        | -                  | -    | -                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| Virginia-----                    | -                  | -    | -                             | 1    | -                     | -    | -                             | 1    | -            | -    | -                                      | 1   |
| West Virginia-----               | -                  | -    | 3                             | 11   | -                     | -    | 3                             | 10   | -            | -    | -                                      | -   |
| North Carolina-----              | 1                  | -    | 13                            | 5    | 1                     | -    | 13                            | 4    | -            | -    | -                                      | -   |
| South Carolina-----              | -                  | -    | 2                             | 6    | -                     | -    | 2                             | 4    | -            | -    | -                                      | -   |
| Georgia-----                     | -                  | -    | 2                             | 2    | -                     | -    | 2                             | 2    | -            | -    | 1                                      | -   |
| Florida-----                     | 1                  | -    | 22                            | 37   | 1                     | -    | 15                            | 24   | -            | -    | -                                      | -   |
| EAST SOUTH CENTRAL-----          | -                  | 3    | 8                             | 29   | -                     | 1    | 7                             | 19   | -            | 1    | 1                                      | 1   |
| Kentucky-----                    | -                  | 1    | 6                             | 7    | -                     | 1    | 5                             | 6    | -            | -    | -                                      | -   |
| Tennessee-----                   | -                  | 1    | -                             | 9    | -                     | -    | -                             | 5    | -            | -    | -                                      | -   |
| Alabama-----                     | -                  | -    | 1                             | 1    | -                     | -    | 1                             | -    | -            | -    | 1                                      | 1   |
| Mississippi-----                 | -                  | 1    | 1                             | 12   | -                     | -    | 1                             | 8    | -            | 1    | -                                      | -   |
| WEST SOUTH CENTRAL-----          | 6                  | 6    | 20                            | 69   | 6                     | 4    | 15                            | 55   | -            | 2    | 3                                      | -   |
| Arkansas-----                    | -                  | -    | 3                             | 12   | -                     | -    | 1                             | 12   | -            | -    | -                                      | -   |
| Louisiana-----                   | -                  | -    | 5                             | 12   | -                     | -    | 4                             | 10   | -            | -    | -                                      | -   |
| Oklahoma-----                    | -                  | -    | 1                             | 3    | -                     | -    | 1                             | 2    | -            | -    | -                                      | -   |
| Texas-----                       | 6                  | 6    | 11                            | 42   | 6                     | 4    | 9                             | 31   | -            | 2    | 3                                      | -   |
| MOUNTAIN <sup>2</sup> -----      | 1                  | 2    | 12                            | 12   | 1                     | 1    | 8                             | 7    | -            | -    | 1                                      | 1   |
| Montana-----                     | -                  | -    | 4                             | -    | -                     | -    | 3                             | -    | -            | -    | 1                                      | -   |
| Idaho-----                       | -                  | -    | 4                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | 1   |
| Wyoming-----                     | -                  | -    | 2                             | 1    | -                     | -    | 2                             | -    | -            | -    | -                                      | 1   |
| Colorado-----                    | 1                  | 1    | 1                             | 2    | 1                     | 1    | 1                             | 2    | -            | -    | -                                      | -   |
| New Mexico-----                  | -                  | -    | -                             | 4    | -                     | -    | -                             | 1    | -            | -    | -                                      | -   |
| Arizona-----                     | -                  | -    | 2                             | 4    | -                     | -    | 2                             | 4    | -            | -    | -                                      | -   |
| Utah-----                        | -                  | 1    | 1                             | 1    | -                     | -    | 1                             | -    | -            | -    | -                                      | -   |
| Nevada-----                      | -                  | -    | -                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| PACIFIC-----                     | 2                  | 3    | 69                            | 57   | 1                     | 3    | 57                            | 49   | 1            | -    | 11                                     | 1   |
| Washington-----                  | -                  | -    | 6                             | 4    | -                     | -    | 6                             | 4    | -            | -    | -                                      | -   |
| Oregon-----                      | -                  | -    | 11                            | 3    | -                     | -    | 7                             | 3    | -            | -    | -                                      | -   |
| California-----                  | 2                  | 3    | 51                            | 50   | 1                     | 3    | 43                            | 42   | 1            | -    | 11                                     | 1   |
| Alaska-----                      | -                  | -    | -                             | -    | -                     | -    | -                             | -    | -            | -    | -                                      | -   |
| Hawaii-----                      | -                  | -    | 1                             | (3)  | -                     | -    | 1                             | (3)  | -            | -    | -                                      | -   |
| Puerto Rico-----                 | ---                | -    | <sup>3</sup> 26               | 3    | ---                   | -    | <sup>3</sup> 26               | 3    | ---          | -    | ---                                    | ---   |

<sup>1</sup>Includes cases not specified by type, category number 080.3.

<sup>2</sup>Data exclude report from Wyoming for the current week.

<sup>3</sup>Data exclude report from Puerto Rico for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 11, 1959, AND APRIL 9, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| Area                             | Diphtheria 055 |      |                            |      | Encephalitis, infectious |      | Hepatitis, infectious, and serum 092, M998.5 pt. |      |                            |       | Measles |        |
|----------------------------------|----------------|------|----------------------------|------|--------------------------|------|--|------|----------------------------|-------|---------|--------|
|                                  | 14th week      |      | Cumulative, first 14 weeks |      | 082                      |      | 14th week  |      | Cumulative, first 14 weeks |       | 085     |        |
|                                  | 1960           | 1959 | 1960                       | 1959 | 1960                     | 1959 | 1960   | 1959 | 1960                       | 1959  | 1960    | 1959   |
| UNITED STATES <sup>2</sup> ----- | 19             | 7    | 245                        | 267  | 30                       | 41   | 937  | 448  | 10,730                     | 7,601 | 19,197  | 17,260 |
| NEW ENGLAND-----                 | -              | -    | 6                          | 3    | 3                        | -    | 26   | 15   | 350                        | 250   | 2,077   | 1,281  |
| Maine-----                       | -              | -    | 2                          | -    | -                        | -    | 5  | 4    | 27                         | 47    | 204     | 73     |
| New Hampshire-----               | -              | -    | -                          | -    | -                        | -    | -  | -    | 9                          | 8     | 28      | 25     |
| Vermont-----                     | -              | -    | -                          | -    | -                        | -    | 1  | -    | 6                          | 14    | 228     | 122    |
| Massachusetts-----               | -              | -    | 3                          | 3    | 2                        | -    | 10   | 7    | 179                        | 112   | 771     | 174    |
| Rhode Island-----                | -              | -    | 1                          | -    | -                        | -    | 5  | -    | 62                         | 20    | 47      | 24     |
| Connecticut-----                 | -              | -    | -                          | -    | 1                        | -    | 5  | 4    | 67                         | 49    | 799     | 863    |
| MIDDLE ATLANTIC-----             | -              | -    | 7                          | 18   | 12                       | 7    | 90   | 68   | 1,032                      | 1,039 | 3,078   | 4,186  |
| New York-----                    | -              | -    | 1                          | 11   | 9                        | 7    | 47   | 36   | 523                        | 616   | 2,258   | 931    |
| New Jersey-----                  | -              | -    | 1                          | 6    | 2                        | -    | 8  | 7    | 76                         | 126   | 705     | 1,753  |
| Pennsylvania-----                | -              | -    | 5                          | 1    | 1                        | -    | 35   | 25   | 433                        | 297   | 115     | 1,502  |
| EAST NORTH CENTRAL-----          | 2              | 2    | 23                         | 16   | 3                        | 10   | 195  | 53   | 2,142                      | 1,214 | 5,383   | 1,292  |
| Ohio-----                        | 1              | -    | 14                         | 5    | -                        | -    | 73   | 19   | 644                        | 357   | 754     | 349    |
| Indiana-----                     | -              | 1    | 4                          | 1    | -                        | 5    | 32   | 8    | 325                        | 132   | 582     | 154    |
| Illinois-----                    | -              | 1    | 2                          | 7    | 3                        | 3    | 32   | 7    | 437                        | 247   | 1,170   | 161    |
| Michigan-----                    | 1              | -    | 3                          | 1    | -                        | 1    | 55   | 17   | 614                        | 402   | 1,073   | 230    |
| Wisconsin-----                   | -              | -    | -                          | 2    | -                        | 1    | 3  | 2    | 122                        | 76    | 1,804   | 398    |
| WEST NORTH CENTRAL-----          | -              | 2    | 12                         | 18   | 1                        | -    | 94   | 28   | 954                        | 625   | 435     | 1,085  |
| Minnesota-----                   | -              | 1    | 3                          | 7    | -                        | -    | 8  | 8    | 96                         | 143   | 331     | 52     |
| Iowa-----                        | -              | -    | 2                          | 2    | -                        | -    | 26   | 1    | 187                        | 52    | 21      | 540    |
| Missouri-----                    | -              | -    | 1                          | 2    | 1                        | -    | 33   | 7    | 346                        | 159   | 15      | 269    |
| North Dakota-----                | -              | -    | 1                          | -    | -                        | -    | 4  | 6    | 82                         | 135   | 60      | 215    |
| South Dakota-----                | -              | -    | 4                          | 2    | -                        | -    | 1  | 3    | 91                         | 7     | -       | 2      |
| Nebraska-----                    | -              | 1    | -                          | 5    | -                        | -    | 13   | 1    | 74                         | 39    | 8       | 7      |
| Kansas-----                      | -              | -    | 1                          | -    | -                        | -    | 9  | 2    | 78                         | 90    | (*)     | (*)    |
| SOUTH ATLANTIC-----              | 1              | 2    | 53                         | 60   | 3                        | 2    | 86   | 42   | 1,220                      | 782   | 857     | 1,941  |
| Delaware-----                    | -              | -    | -                          | -    | -                        | -    | 4  | 2    | 60                         | 41    | 10      | 9      |
| Maryland-----                    | -              | -    | -                          | -    | -                        | -    | 12   | 8    | 131                        | 194   | 122     | 105    |
| District of Columbia-----        | -              | -    | -                          | -    | -                        | -    | 1  | -    | 11                         | 9     | 55      | 6      |
| Virginia-----                    | -              | 1    | 8                          | 4    | 1                        | -    | 4  | 7    | 285                        | 154   | 275     | 954    |
| West Virginia-----               | -              | -    | 1                          | 1    | -                        | -    | 17   | 2    | 256                        | 178   | 111     | 336    |
| North Carolina-----              | 1              | -    | 2                          | 6    | -                        | 2    | 16   | 2    | 75                         | 39    | 25      | 249    |
| South Carolina-----              | -              | -    | 13                         | 4    | 1                        | -    | -  | 2    | 30                         | 13    | 93      | 125    |
| Georgia-----                     | -              | -    | 8                          | 27   | -                        | -    | 7  | 9    | 113                        | 73    | 8       | 13     |
| Florida-----                     | -              | 1    | 21                         | 18   | 1                        | -    | 25   | 10   | 259                        | 81    | 158     | 144    |
| EAST SOUTH CENTRAL-----          | 5              | 1    | 28                         | 33   | -                        | -    | 197  | 45   | 1,728                      | 727   | 1,524   | 892    |
| Kentucky-----                    | -              | -    | -                          | 1    | -                        | -    | 104  | 19   | 758                        | 369   | 383     | 106    |
| Tennessee-----                   | -              | 1    | 5                          | 4    | -                        | -    | 50   | 13   | 531                        | 160   | 890     | 388    |
| Alabama-----                     | 4              | -    | 16                         | 7    | -                        | -    | 30   | 8    | 323                        | 127   | 106     | 162    |
| Mississippi-----                 | 1              | -    | 7                          | 21   | -                        | -    | 13   | 5    | 116                        | 71    | 145     | 236    |
| WEST SOUTH CENTRAL-----          | 7              | -    | 84                         | 108  | -                        | 8    | 86   | 36   | 795                        | 518   | 2,666   | 1,648  |
| Arkansas-----                    | -              | -    | 1                          | 30   | -                        | 1    | 2  | 2    | 35                         | 21    | 68      | 94     |
| Louisiana-----                   | 3              | -    | 20                         | 35   | -                        | -    | 1  | -    | 29                         | 32    | 28      | 1      |
| Oklahoma-----                    | -              | -    | 5                          | 1    | -                        | 5    | 7  | 12   | 124                        | 79    | 27      | 47     |
| Texas-----                       | 4              | -    | 58                         | 42   | -                        | 2    | 76   | 22   | 607                        | 386   | 2,543   | 1,506  |
| MOUNTAIN <sup>2</sup> -----      | 4              | -    | 31                         | 8    | 1                        | 2    | 48   | 80   | 924                        | 1,171 | 676     | 1,149  |
| Montana-----                     | -              | -    | 2                          | -    | -                        | -    | -  | 8    | 44                         | 117   | 93      | 82     |
| Idaho-----                       | -              | -    | 11                         | -    | 1                        | -    | 9  | 4    | 135                        | 143   | 102     | 18     |
| Wyoming-----                     | -              | -    | <sup>25</sup> 5            | -    | -                        | 1    | -  | -    | <sup>26</sup> 38           | -     | -       | 3      |
| Colorado-----                    | -              | -    | 2                          | 2    | -                        | 1    | 21   | 27   | 273                        | 338   | 166     | 214    |
| New Mexico-----                  | -              | -    | 3                          | 4    | -                        | -    | 8  | 18   | 160                        | 265   | -       | 151    |
| Arizona-----                     | 4              | -    | 5                          | 1    | -                        | -    | 7  | 17   | 207                        | 195   | 203     | 541    |
| Utah-----                        | -              | -    | 3                          | -    | -                        | -    | 2  | 6    | 82                         | 62    | 106     | 128    |
| Nevada-----                      | -              | -    | -                          | 1    | -                        | -    | 1  | -    | 17                         | 13    | 6       | 12     |
| PACIFIC-----                     | -              | -    | 1                          | 3    | 7                        | 12   | 115  | 81   | 1,585                      | 1,275 | 2,501   | 3,786  |
| Washington-----                  | -              | -    | -                          | -    | -                        | 2    | 12   | 15   | 185                        | 203   | 575     | 854    |
| Oregon-----                      | -              | -    | -                          | 1    | -                        | -    | 26   | 15   | 305                        | 278   | 325     | 222    |
| California-----                  | -              | -    | -                          | 1    | 7                        | 10   | 75   | 50   | 985                        | 784   | 1,342   | 2,708  |
| Alaska-----                      | -              | -    | 1                          | 1    | -                        | -    | -  | 1    | 75                         | 10    | -       | 2      |
| Hawaii-----                      | -              | -    | -                          | (1)  | -                        | (1)  | 2  | (3)  | 35                         | (19)  | 259     | (108)  |
| Puerto Rico-----                 | ---            | -    | <sup>82</sup> 11           | 11   | ---                      | -    | ---  | 8    | <sup>302</sup> 72          | 72    | ---     | 64     |

<sup>2</sup>Data exclude report from Wyoming for the current week.<sup>3</sup>Data exclude report from Puerto Rico for the current week.

# Morbidity and Mortality Weekly Report

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED APRIL 11, 1959, AND APRIL 9, 1960—Continued**

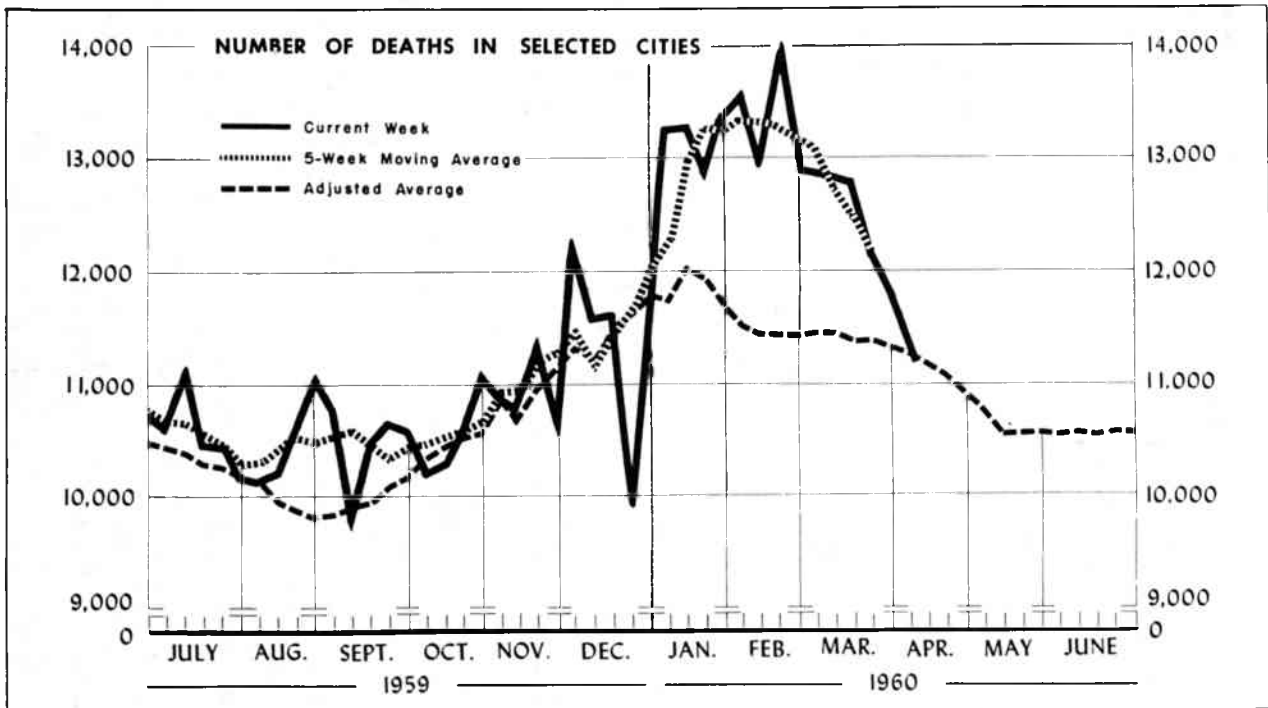
(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

| Area                             | Malaria | Meningococcal infections |      | Psittacosis | Streptococcal sore throat, etc. | Typhoid fever 040 |      |                            |      | Typhus fever, endemic | Rabies in animals |      |
|----------------------------------|---------|--------------------------|------|-------------|---------------------------------|-------------------|------|----------------------------|------|-----------------------|-------------------|------|
|                                  | 110-117 | 057                      |      | 096.2       | 050,051                         | 14th week         |      | Cumulative, first 14 weeks |      | 101                   | 1960              | 1959 |
|                                  | 1960    | 1960                     | 1959 | 1960        | 1960                            | 1960              | 1959 | 1960                       | 1959 | 1960                  | 1960              | 1959 |
| UNITED STATES <sup>2</sup> ----- | -       | 54                       | 60   | 2           | 8,586                           | 13                | 11   | 141                        | 138  | -                     | 79                | 69   |
| NEW ENGLAND-----                 | -       | 3                        | 3    | -           | 512                             | -                 | -    | 1                          | 2    | -                     | -                 | -    |
| Maine-----                       | -       | -                        | -    | -           | 28                              | -                 | -    | -                          | -    | -                     | -                 | -    |
| New Hampshire-----               | -       | -                        | -    | -           | 3                               | -                 | -    | -                          | -    | -                     | -                 | -    |
| Vermont-----                     | -       | -                        | -    | -           | 2                               | -                 | -    | -                          | -    | -                     | -                 | -    |
| Massachusetts-----               | -       | 3                        | 2    | -           | 224                             | -                 | -    | 1                          | -    | -                     | -                 | -    |
| Rhode Island-----                | -       | -                        | -    | -           | 49                              | -                 | -    | -                          | 1    | -                     | -                 | -    |
| Connecticut-----                 | -       | -                        | 1    | -           | 206                             | -                 | -    | -                          | 1    | -                     | -                 | -    |
| MIDDLE ATLANTIC-----             | -       | 15                       | 16   | 2           | 788                             | 1                 | 1    | 6                          | 16   | -                     | 11                | 4    |
| New York-----                    | -       | 11                       | 8    | 1           | 485                             | 1                 | -    | 4                          | 5    | -                     | 11                | 2    |
| New Jersey-----                  | -       | -                        | 5    | -           | 127                             | -                 | 1    | -                          | 5    | -                     | -                 | -    |
| Pennsylvania-----                | -       | 4                        | 3    | 1           | 176                             | -                 | -    | 2                          | 6    | -                     | -                 | 2    |
| EAST NORTH CENTRAL-----          | -       | 8                        | 13   | -           | 1,696                           | 6                 | 3    | 18                         | 13   | -                     | 6                 | 12   |
| Ohio-----                        | -       | 3                        | 5    | -           | 541                             | -                 | 2    | 1                          | 7    | -                     | -                 | 8    |
| Indiana-----                     | -       | -                        | 1    | -           | 348                             | 2                 | -    | 6                          | 1    | -                     | 1                 | 4    |
| Illinois-----                    | -       | 3                        | 5    | -           | 160                             | 1                 | -    | 4                          | 1    | -                     | 2                 | -    |
| Michigan-----                    | -       | 2                        | 2    | -           | 370                             | -                 | 1    | 4                          | 3    | -                     | 2                 | -    |
| Wisconsin-----                   | -       | -                        | -    | -           | 277                             | 3                 | -    | 3                          | 1    | -                     | 1                 | -    |
| WEST NORTH CENTRAL-----          | -       | 7                        | 3    | -           | 316                             | 1                 | 1    | 9                          | 6    | -                     | 20                | 13   |
| Minnesota-----                   | -       | 4                        | -    | -           | 32                              | 1                 | -    | 1                          | -    | -                     | 3                 | 6    |
| Iowa-----                        | -       | -                        | 1    | -           | 116                             | -                 | -    | -                          | -    | -                     | 2                 | 3    |
| Missouri-----                    | -       | -                        | 2    | -           | 47                              | -                 | -    | 7                          | 3    | -                     | 4                 | 1    |
| North Dakota-----                | -       | 2                        | -    | -           | 118                             | -                 | -    | -                          | 1    | -                     | 1                 | 2    |
| South Dakota-----                | -       | -                        | -    | -           | 3                               | -                 | -    | 1                          | -    | -                     | 10                | -    |
| Nebraska-----                    | -       | -                        | -    | -           | -                               | -                 | -    | -                          | -    | -                     | -                 | 1    |
| Kansas-----                      | -       | 1                        | -    | -           | -                               | -                 | 1    | -                          | 2    | -                     | -                 | -    |
| SOUTH ATLANTIC-----              | -       | 5                        | 9    | -           | 548                             | 1                 | 4    | 20                         | 34   | -                     | 8                 | 9    |
| Delaware-----                    | -       | -                        | -    | -           | 14                              | -                 | -    | -                          | -    | -                     | -                 | -    |
| Maryland-----                    | -       | -                        | -    | -           | 39                              | -                 | -    | -                          | -    | -                     | -                 | -    |
| District of Columbia-----        | -       | -                        | -    | -           | 2                               | -                 | 1    | 1                          | 1    | -                     | -                 | -    |
| Virginia-----                    | -       | 2                        | 3    | -           | 210                             | -                 | 1    | 3                          | 7    | -                     | 5                 | 4    |
| West Virginia-----               | -       | 1                        | 1    | -           | 196                             | -                 | -    | 1                          | 2    | -                     | 2                 | 2    |
| North Carolina-----              | -       | 2                        | 1    | -           | 31                              | -                 | -    | 7                          | 5    | -                     | -                 | 1    |
| South Carolina-----              | -       | -                        | 1    | -           | 45                              | 1                 | -    | 6                          | 3    | -                     | -                 | -    |
| Georgia-----                     | -       | -                        | 1    | -           | 11                              | -                 | -    | -                          | 3    | -                     | -                 | 1    |
| Florida-----                     | -       | -                        | 2    | -           | -                               | -                 | 2    | 2                          | 13   | -                     | 1                 | 1    |
| EAST SOUTH CENTRAL-----          | -       | 6                        | 5    | -           | 1,235                           | 1                 | -    | 29                         | 14   | -                     | 15                | 13   |
| Kentucky-----                    | -       | 1                        | 1    | -           | 167                             | -                 | -    | 10                         | 2    | -                     | 4                 | 7    |
| Tennessee-----                   | -       | -                        | 1    | -           | 1,014                           | 1                 | -    | 17                         | 6    | -                     | 7                 | 2    |
| Alabama-----                     | -       | -                        | 2    | -           | 35                              | -                 | -    | 2                          | 2    | -                     | 4                 | 4    |
| Mississippi-----                 | -       | 5                        | 1    | -           | 19                              | -                 | -    | -                          | 4    | -                     | -                 | -    |
| WEST SOUTH CENTRAL-----          | -       | 7                        | 2    | -           | 964                             | 2                 | 1    | 35                         | 27   | -                     | 17                | 14   |
| Arkansas-----                    | -       | -                        | -    | -           | 6                               | 1                 | -    | 13                         | 4    | -                     | 5                 | 1    |
| Louisiana-----                   | -       | 4                        | 2    | -           | 7                               | -                 | -    | 10                         | 6    | -                     | -                 | 4    |
| Oklahoma-----                    | -       | -                        | -    | -           | 9                               | -                 | -    | 2                          | 4    | -                     | -                 | -    |
| Texas-----                       | -       | 3                        | -    | -           | 942                             | 1                 | 1    | 10                         | 13   | -                     | 12                | 9    |
| MOUNTAIN <sup>2</sup> -----      | -       | -                        | 2    | -           | 1,304                           | -                 | -    | 10                         | 8    | -                     | -                 | 4    |
| Montana-----                     | -       | -                        | -    | -           | 41                              | -                 | -    | 5                          | 1    | -                     | -                 | -    |
| Idaho-----                       | -       | -                        | -    | -           | 80                              | -                 | -    | -                          | 2    | -                     | -                 | -    |
| Wyoming-----                     | -       | -                        | -    | -           | -                               | -                 | -    | 2                          | -    | -                     | -                 | -    |
| Colorado-----                    | -       | -                        | 1    | -           | 468                             | -                 | -    | -                          | 1    | -                     | -                 | 4    |
| New Mexico-----                  | -       | -                        | -    | -           | 239                             | -                 | -    | 5                          | 1    | -                     | -                 | -    |
| Arizona-----                     | -       | -                        | 1    | -           | 202                             | -                 | -    | -                          | 3    | -                     | -                 | -    |
| Utah-----                        | -       | -                        | -    | -           | 273                             | -                 | -    | -                          | -    | -                     | -                 | -    |
| Nevada-----                      | -       | -                        | -    | -           | 1                               | -                 | -    | -                          | -    | -                     | -                 | -    |
| PACIFIC-----                     | -       | 3                        | 7    | -           | 1,223                           | 1                 | 1    | 13                         | 18   | -                     | 2                 | -    |
| Washington-----                  | -       | 1                        | -    | -           | 306                             | -                 | -    | -                          | 1    | -                     | -                 | -    |
| Oregon-----                      | -       | 1                        | 1    | -           | 87                              | -                 | -    | -                          | 1    | -                     | -                 | -    |
| California-----                  | -       | 1                        | 6    | -           | 824                             | 1                 | 1    | 13                         | 15   | -                     | 2                 | -    |
| Alaska-----                      | -       | -                        | -    | -           | 1                               | -                 | -    | -                          | 1    | -                     | -                 | -    |
| Hawaii-----                      | -       | -                        | (1)  | -           | 5                               | -                 | -    | -                          | -    | -                     | -                 | -    |
| Puerto Rico-----                 | ---     | ---                      | -    | ---         | ---                             | ---               | -    | <sup>3</sup> 14            | 2    | ---                   | ---               | -    |

<sup>2</sup>Data exclude report from Wyoming for the current week.

<sup>3</sup>Data exclude report from Puerto Rico for the current week.

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For 1954-58, this average is based on data for 114 cities; for 1955-59, on data for 117 cities. The adjusted average is computed as follows: From the total deaths reported each week, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

| Area                                | 14th week ended Apr. 9, 1960 | 13th week ended Apr. 2, 1960 | Adjusted average, 14th week 1955-59 | Percent change <sup>1</sup> | Cumulative, first 14 weeks |         |                           |                             |
|-------------------------------------|------------------------------|------------------------------|-------------------------------------|-----------------------------|----------------------------|---------|---------------------------|-----------------------------|
|                                     |                              |                              |                                     |                             | 1960                       | 1959    | Adjusted average, 1955-59 | Percent change <sup>1</sup> |
| TOTAL, 117 REPORTING CITIES-----    | <sup>2</sup> 11,273          | 11,767                       | 11,281                              | -0.1                        | <sup>2</sup> 179,952       | 168,656 | 161,672                   | +11.3                       |
| New England----- (14 cities)        | 704                          | 761                          | 749                                 | -6.0                        | 11,456                     | 10,689  | 10,909                    | +5.0                        |
| Middle Atlantic----- (20 cities)    | <sup>2</sup> 3,112           | 3,251                        | 3,422                               | -9.1                        | <sup>2</sup> 48,870        | 48,843  | 48,556                    | +0.6                        |
| East North Central----- (21 cities) | <sup>2</sup> 2,478           | 2,501                        | 2,524                               | -1.8                        | <sup>2</sup> 38,656        | 36,300  | 36,385                    | +6.2                        |
| West North Central----- (9 cities)  | 739                          | 814                          | 800                                 | -7.6                        | 12,551                     | 11,668  | 11,652                    | +7.7                        |
| South Atlantic----- (11 cities)     | 982                          | 999                          | 968                                 | +1.4                        | 15,909                     | 14,212  | 14,078                    | +13.0                       |
| East South Central----- (8 cities)  | 515                          | 570                          | 515                                 | 0                           | 8,293                      | 7,581   | 7,499                     | +10.6                       |
| West South Central----- (13 cities) | 1,001                        | 992                          | 930                                 | +7.6                        | 16,115                     | 13,937  | 13,548                    | +18.9                       |
| Mountain----- (8 cities)            | 331                          | 373                          | 295                                 | +12.2                       | 5,489                      | 4,672   | 4,127                     | +33.0                       |
| Pacific----- (13 cities)            | 1,411                        | 1,506                        | 1,454                               | -3.0                        | 22,613                     | 20,754  | 20,701                    | +9.2                        |

<sup>1</sup>Current figure divided by adjusted average.

<sup>2</sup>Includes estimates for missing cities.

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**Table 4. DEATHS IN SELECTED CITIES**

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

| Area                       | 14th week ended | 13th week ended | Cumulative, first 14 weeks |        | Area                            | 14th week ended | 13th week ended | Cumulative, first 14 weeks |         |
|----------------------------|-----------------|-----------------|----------------------------|--------|---------------------------------|-----------------|-----------------|----------------------------|---------|
|                            | Apr. 9, 1960    | Apr. 2, 1960    | 1960                       | 1959   |                                 | Apr. 9, 1960    | Apr. 2, 1960    | 1960                       | 1959    |
| <b>NEW ENGLAND:</b>        |                 |                 |                            |        | <b>WEST NORTH CENTRAL—Con.:</b> |                 |                 |                            |         |
| Boston, Mass.-----         | 244             | 288             | 4,006                      | 3,647  | St. Louis, Mo.-----             | 212             | 286             | 3,988                      | 3,650   |
| Bridgeport, Conn.-----     | 38              | 47              | 646                        | 619    | St. Paul, Minn.-----            | 60              | 64              | 1,100                      | 964     |
| Cambridge, Mass.-----      | 30              | 39              | 492                        | 422    | Wichita, Kans.-----             | 39              | 47              | 682                        | 696     |
| Fall River, Mass.-----     | 34              | 33              | 476                        | 413    | <b>SOUTH ATLANTIC:</b>          |                 |                 |                            |         |
| Hartford, Conn.-----       | 36              | 40              | 725                        | 732    | Atlanta, Ga.-----               | 109             | 102             | 1,827                      | 1,648   |
| Lowell, Mass.-----         | 23              | 22              | 368                        | 357    | Baltimore, Md.-----             | 254             | 237             | 4,058                      | 3,552   |
| Lynn, Mass.-----           | 30              | 19              | 401                        | 353    | Charlotte, N.C.-----            | 42              | 49              | 687                        | 541     |
| New Bedford, Mass.-----    | 24              | 19              | 381                        | 350    | Jacksonville, Fla.-----         | 44              | 63              | 1,002                      | 852     |
| New Haven, Conn.-----      | 43              | 50              | 690                        | 685    | Miami, Fla.-----                | 82              | 78              | 1,158                      | 1,081   |
| Providence, R.I.-----      | 58              | 60              | 989                        | 1,016  | Norfolk, Va.-----               | 44              | 36              | 700                        | 612     |
| Somerville, Mass.-----     | 15              | 17              | 238                        | 204    | Richmond, Va.-----              | 90              | 89              | 1,271                      | 1,126   |
| Springfield, Mass.-----    | 37              | 44              | 746                        | 687    | Savannah, Ga.-----              | 38              | 56              | 600                        | 473     |
| Waterbury, Conn.-----      | 32              | 26              | 431                        | 407    | St. Petersburg, Fla.-----       | (84)            | (91)            | (1,203)                    | (1,079) |
| Worcester, Mass.-----      | 60              | 57              | 867                        | 797    | Tampa, Fla.-----                | 68              | 61              | 1,025                      | 955     |
| <b>MIDDLE ATLANTIC:</b>    |                 |                 |                            |        | Washington, D.C.-----           | 165             | 187             | 2,860                      | 2,797   |
| Albany, N.Y.-----          | 38              | 49              | 650                        | 840    | Wilmington, Del.-----           | 46              | 41              | 621                        | 575     |
| Allentown, Pa.-----        | 39              | 37              | 525                        | 539    | <b>EAST SOUTH CENTRAL:</b>      |                 |                 |                            |         |
| Buffalo, N.Y.-----         | 107             | 144             | 2,203                      | 2,098  | Birmingham, Ala.-----           | 86              | 89              | 1,359                      | 1,218   |
| Camden, N.J.-----          | 41              | 45              | 683                        | 593    | Chattanooga, Tenn.-----         | 44              | 56              | 765                        | 689     |
| Elizabeth, N.J.-----       | 25              | 31              | 450                        | 420    | Knoxville, Tenn.-----           | 20              | 35              | 467                        | 391     |
| Erie, Pa.-----             | 42              | 44              | 563                        | 527    | Louisville, Ky.-----            | 101             | 118             | 1,775                      | 1,647   |
| Jersey City, N.J.-----     | 67              | 85              | 1,088                      | 1,185  | Memphis, Tenn.-----             | 132             | 133             | 1,779                      | 1,711   |
| Newark, N.J.-----          | 103             | 80              | 1,514                      | 1,556  | Mobile, Ala.-----               | 39              | 37              | 658                        | 571     |
| New York City, N.Y.-----   | 1,663           | 1,768           | 24,638                     | 25,103 | Montgomery, Ala.-----           | 36              | 53              | 562                        | 479     |
| Paterson, N.J.-----        | 50              | 35              | 619                        | 588    | Nashville, Tenn.-----           | 57              | 49              | 928                        | 875     |
| Philadelphia, Pa.-----     | 419             | 361             | 7,535                      | 7,535  | <b>WEST SOUTH CENTRAL:</b>      |                 |                 |                            |         |
| Pittsburgh, Pa.-----       | 196             | 204             | 3,029                      | 2,745  | Austin, Tex.-----               | 33              | 34              | 586                        | 452     |
| Reading, Pa.-----          | 121             | 34              | 2,359                      | 322    | Baton Rouge, La.-----           | 25              | 35              | 480                        | 432     |
| Rochester, N.Y.-----       | 79              | 96              | 1,554                      | 1,424  | Corpus Christi, Tex.-----       | 20              | 26              | 396                        | 278     |
| Schenectady, N.Y.-----     | 25              | 22              | 364                        | 337    | Dallas, Tex.-----               | 124             | 129             | 1,923                      | 1,695   |
| Scranton, Pa.-----         | 35              | 31              | 576                        | 578    | El Paso, Tex.-----              | 26              | 36              | 604                        | 535     |
| Syracuse, N.Y.-----        | 57              | 69              | 968                        | 908    | Fort Worth, Tex.-----           | 80              | 54              | 1,042                      | 942     |
| Trenton, N.J.-----         | 42              | 44              | 623                        | 656    | Houston, Tex.-----              | 145             | 182             | 2,673                      | 2,274   |
| Utica, N.Y.-----           | 24              | 29              | 446                        | 439    | Little Rock, Ark.-----          | 77              | 53              | 965                        | 854     |
| Yonkers, N.Y.-----         | 39              | 43              | 483                        | 450    | New Orleans, La.-----           | 171             | 165             | 2,897                      | 2,508   |
| <b>EAST NORTH CENTRAL:</b> |                 |                 |                            |        | Oklahoma City, Okla.-----       | 79              | 67              | 1,167                      | 995     |
| Akron, Ohio-----           | 47              | 58              | 860                        | 862    | San Antonio, Tex.-----          | 101             | 98              | 1,646                      | 1,447   |
| Canton, Ohio-----          | 48              | 28              | 562                        | 489    | Shreveport, La.-----            | 61              | 39              | 802                        | 773     |
| Chicago, Ill.-----         | 773             | 747             | 11,882                     | 11,209 | Tulsa, Okla.-----               | 59              | 74              | 934                        | 752     |
| Cincinnati, Ohio-----      | 144             | 161             | 2,512                      | 2,386  | <b>MOUNTAIN:</b>                |                 |                 |                            |         |
| Cleveland, Ohio-----       | 220             | 221             | 3,389                      | 3,094  | Albuquerque, N. Mex.-----       | 33              | 38              | 472                        | 461     |
| Columbus, Ohio-----        | 113             | 126             | 1,860                      | 1,668  | Colorado Springs, Colo.---      | 11              | 17              | 262                        | 248     |
| Dayton, Ohio-----          | 69              | 78              | 1,093                      | 972    | Denver, Colo.-----              | 104             | 110             | 1,831                      | 1,675   |
| Detroit, Mich.-----        | 1,338           | 350             | 25,274                     | 4,900  | Ogden, Utah-----                | 23              | 20              | 266                        | 241     |
| Evansville, Ind.-----      | 42              | 49              | 583                        | 564    | Phoenix, Ariz.-----             | 77              | 79              | 1,167                      | 796     |
| Flint, Mich.-----          | 35              | 36              | 582                        | 591    | Pueblo, Colo.-----              | 10              | 17              | 220                        | 185     |
| Fort Wayne, Ind.-----      | 36              | 35              | 566                        | 539    | Salt Lake City, Utah-----       | 44              | 50              | 727                        | 704     |
| Gary, Ind.-----            | 24              | 21              | 450                        | 474    | Tucson, Ariz.-----              | 29              | 42              | 544                        | 362     |
| Grand Rapids, Mich.-----   | 38              | 29              | 608                        | 610    | <b>PACIFIC:</b>                 |                 |                 |                            |         |
| Indianapolis, Ind.-----    | 152             | 157             | 2,252                      | 2,147  | Berkeley, Calif.-----           | 21              | 21              | 273                        | 268     |
| Madison, Wis.-----         | 35              | 31              | 465                        | 408    | Fresno, Calif.-----             | (31)            | (37)            | (735)                      | (597)   |
| Milwaukee, Wis.-----       | 126             | 133             | 1,923                      | 1,943  | Glendale, Calif.-----           | (33)            | (27)            | (606)                      | (543)   |
| Peoria, Ill.-----          | 28              | 38              | 454                        | 443    | Honolulu, Hawaii-----           | 42              | 36              | 616                        | 525     |
| Rockford, Ill.-----        | 31              | 27              | 429                        | 407    | Long Beach, Calif.-----         | 55              | 59              | 832                        | 830     |
| South Bend, Ind.-----      | 28              | 34              | 458                        | 382    | Los Angeles, Calif.-----        | 477             | 499             | 8,312                      | 7,288   |
| Toledo, Ohio-----          | 98              | 92              | 1,577                      | 1,422  | Oakland, Calif.-----            | 107             | 108             | 1,482                      | 1,415   |
| Youngstown, Ohio-----      | 53              | 50              | 877                        | 790    | Pasadena, Calif.-----           | 39              | 28              | 545                        | 452     |
| <b>WEST NORTH CENTRAL:</b> |                 |                 |                            |        | Portland, Oreg.-----            | 130             | 123             | 1,641                      | 1,720   |
| Des Moines, Iowa-----      | 56              | 57              | 848                        | 823    | Sacramento, Calif.-----         | 50              | 52              | 910                        | 778     |
| Duluth, Minn.-----         | 24              | 19              | 395                        | 377    | San Diego, Calif.-----          | 82              | 108             | 1,431                      | 1,221   |
| Kansas City, Kans.-----    | 23              | 32              | 529                        | 459    | San Francisco, Calif.-----      | 183             | 222             | 3,092                      | 2,912   |
| Kansas City, Mo.-----      | 127             | 109             | 1,993                      | 1,771  | San Jose, Calif.-----           | (28)            | (26)            | (423)                      | (375)   |
| Lincoln, Nebr.-----        | (---)           | (23)            | (359)                      | (383)  | Seattle, Wash.-----             | 123             | 156             | 2,106                      | 2,013   |
| Minneapolis, Minn.-----    | 123             | 120             | 1,851                      | 1,854  | Spokane, Wash.-----             | 57              | 44              | 699                        | 724     |
| Omaha, Nebr.-----          | 75              | 80              | 1,165                      | 1,074  | Tacoma, Wash.-----              | 45              | 50              | 674                        | 608     |

<sup>1</sup>Estimated.

<sup>2</sup>Includes estimate for current week.

# Morbidity and Mortality Weekly Report

## EXPLANATION OF SYMBOLS USED IN TABLES

|   |     |
|---|-----|
| Data not available-----                             | --- |
| Quantity zero-----                                  | -   |
| Percent more than 0 but less than 0.05-----         | 0.0 |
| Disease stated not notifiable-----                  | •   |
| Figures within parentheses not included in totals-- | ( ) |

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### SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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