

# Morbidity and Mortality

Weekly  
Report



U. S. Department of  
HEALTH, EDUCATION, AND WELFARE

Public Health Service

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended February 25, 1956

During the first 8 weeks of 1956 there has been little increase in the reported incidence of infectious hepatitis. In previous years, large increases were reported during this period. For the current week, 504 cases were reported as compared with 400 for the last week of 1955. However, the incidence has not shown a continuous rise during this period.

The total for the 4-week period ended February 25 shows a 22 percent increase compared with that for the last 4-week period in 1955. Increases for the corresponding periods of 1953-54 and 1954-55 were 71 and 32 percent, respectively. (See accompanying chart.)

### EPIDEMIOLOGICAL REPORTS

#### Diphtheria

Dr. A. L. Marshall, Indiana Board of Health, has reported an outbreak of diphtheria in La Porte County. One case was reported in Michigan City for the week ended February 18, and 9 in the following week, which were concentrated in a 6-block area. Ten cases were reported during the past week in the township adjacent to Michigan City and these have been concentrated in one area. There are 4 suspect cases in the hospital. All 20 cases are laboratory confirmed and virulence tests

indicate an organism of high virulence. Only one of the 20 cases had ever been immunized.

Epidemiologic investigation has shown that in addition to a grouping of cases geographically, there was a family relationship in many of the cases. It was also learned that family members had attended the funeral of a 7-year-old child on February 11 who had died of bronchopneumonia and laryngospasm. Although cultures from the child were found to be negative, the physician feels that this was a case of diphtheria. Some cases appear to have been milk-borne infections. Raw milk from a one-cow dairy was given to relatives in the city, and 2 members of the family were shown to have positive throat cultures.

The ages of the patients ranged from 14 months to 63 years, but the majority were under 10 years. The 63-year-old patient was a baby sitter in a family where a child had diphtheria.

#### Influenza

The following reports have been received by the Influenza Information Center, NIH, and the National Office of Vital Statistics.

The California Department of Public Health Influenza Surveillance Report of February 20 states that a "large number" of influenza-like illnesses have occurred in Tehama County. Symptoms consist of fever, myalgia, headache, stiff neck, nausea, and some vomiting. One local school was closed for 3 days. Specimens of blood are being obtained for serologic study. Laboratory reports of specimens collected throughout the State indicate that only 2 of the 225 specimens examined have shown a fourfold rise in antibody level in influenza A, and in 1 there was presumptive evidence of influenza A infection.

Dr. Eleanor Whitney, New York State Department of Health, has reported serologic evidence of influenza A in a single case, clinically diagnosed as pneumonia, which occurred at Little Falls, New York.

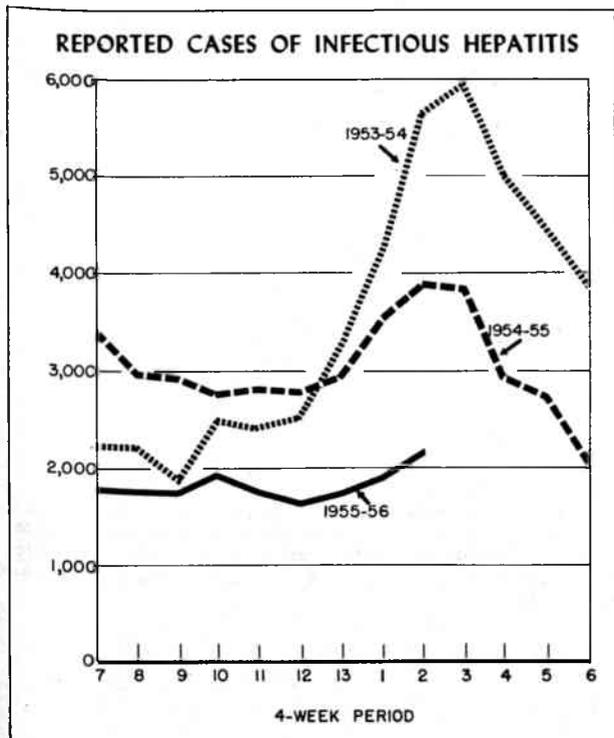
Dr. Gordon Meikeljohn, University of Colorado, has identified a moderate outbreak of influenza A (FM1-1947) at a military establishment in Colorado.

Dr. Wm. S. Jordan, Western Reserve University School of Medicine, Cleveland, Ohio, reports that all 5 members of a family under study showed fourfold or greater rises in titer of antibody against one of the strains, A/Cleveland/2/56, isolated from the family.

The Ministry of Health, United Kingdom, has reported influenza-like outbreaks from various areas in England, a number of which have been identified as due to influenza A. The cases continue to be clinically mild.

#### Erythema infectiosum (fifth disease)

Dr. James R. Enright, Hawaii Department of Health, reports a rather widespread outbreak of an atypical exanthem which appeared late in January 1956. Preschool and lower grade children appear to have made up a great majority of the cases, although a few cases were reported in adults. The disease began suddenly with a normal temperature or a low fever and a rash of bright red maculopapular spots, which coalesced and gave the child an appearance of having heavily rouged cheeks. The eruption also spread to the extensor surfaces of the arms and legs, but usually the trunk escaped. The rash lasted over a week and when fading, caused considerable itching. There were no swollen glands, sore throat, nor any sign of an exanthem.



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The disease was typical of erythema infectiosum (fifth disease). Reports show that it was present on the Island of Hawaii, where it was first reported, and simultaneously in rural Oahu. The disease has become widespread in Honolulu, pediatricians reporting that they had seen several cases every day. In many cases, adults in the family noticed the rash on themselves first, but usually attributed it to "hives" or "allergy." On the basis of a diagnosis of erythema infectiosum, children were excluded from school for 5 days after the appearance of the rash. No exclusions were being required for contacts. There have been no complications.

neck, and chest developed a few hours after admission, and the patient expired later during the day. Post-mortem examination showed Negri bodies in the hippocampal gyrus of the brain, and the diagnosis was also confirmed by animal inoculation. A vague history of a dog bite 3 weeks earlier was obtained, and it is reported that the dogs is still alive and healthy. An investigation was made of the dog population in the vicinity of the patient's home, but no evidence of possible rabid animals was found, and the source of infection could not be determined.

Rabies in animals

During the first 45 days of 1956, the California Department of Public Health has reported 49 cases of rabies in animals. Of these, 41 were in dogs from Los Angeles (26) and Orange (15) Counties. The remainder were in skunks.

Tuberculosis in zoo animals

Dr. James O. Walls, Oklahoma Department of Health, has forwarded information on an investigation by Dr. M. L. Peters of tuberculosis among primate animals in a city zoo. In April 1955, 4 orangutans were received from New York, 1 of which

Continued on page 8

Rabies in man

Dr. Henry A. Holle, Texas Department of Health, has reported a case of human rabies—the second for the year. Early in January the victim, a 12-year-old boy, was admitted to a hospital. His chief complaint was a diffuse headache of 3 days duration, fever, and excessive thirst. The patient had experienced nausea and vomiting of 1 day's duration. On admission to the hospital, the child had a maniacal thrashing behavior, and a tentative diagnosis of rabies was made. Attempts at sedation were unsuccessful. Marked emphysema of the face,

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: CONTINENTAL UNITED STATES

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

| DISEASE   | 8th WEEK            |                     |                | CUMULATIVE NUMBER   |         |                |                         |                  |                           | Approximate seasonal low point |
|---|---------------------|---------------------|----------------|---------------------|---------|----------------|-------------------------|------------------|---------------------------|--------------------------------|
|   | Ended Feb. 25, 1956 | Ended Feb. 26, 1955 | Median 1951-55 | First 8 weeks       |         |                | Since seasonal low week |                  |                           |                                |
|   |                     |                     |                | 1956                | 1955    | Median 1951-55 | 1955-56                 | 1954-55          | Median 1950-51 to 1954-55 |                                |
| Anthrax-----062                                     | 1 <sup>1</sup>      | -                   | -              | 7                   | 4       | 5              | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Botulism-----049.1                                  | -                   | -                   | ---            | -                   | 4       | ---            | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Brucellosis (undulant fever)-----044                | 19                  | 20                  | ---            | 128                 | 50      | ---            | ---                     | ---              | ---                       | ---                            |
| Diphtheria-----055                                  | 45                  | 32                  | 48             | 339                 | 332     | 390            | 1,669                   | 1,549            | 2,061                     | July 1                         |
| Encephalitis, infectious-----082                    | 18                  | 27                  | 21             | 156                 | 156     | 137            | 1,107                   | 1,508            | 864                       | June 1                         |
| Hepatitis, infectious, and serum-----092,N998.5 pt. | 504                 | 891                 | ---            | 4,054               | 7,459   | ---            | ---                     | ---              | ---                       | ---                            |
| Malaria-----110-117                                 | 3                   | 4                   | ---            | 25                  | 25      | ---            | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Measles-----085                                     | 15,242              | 19,382              | 19,382         | <sup>3</sup> 80,968 | 121,519 | 96,359         | <sup>3</sup> 110,066    | 177,269          | 132,451                   | Sept. 1                        |
| Meningococcal infections-----057                    | 65                  | 104                 | 115            | <sup>4</sup> 599    | 776     | 906            | <sup>4</sup> 1,522      | 1,868            | 2,079                     | Sept. 1                        |
| Meningitis, other-----340                           | 37                  | ---                 | ---            | <sup>5</sup> 235    | ---     | ---            | ---                     | ---              | ---                       | ---                            |
| Poliomyelitis-----080                               | 53                  | 71                  | 90             | 705                 | 749     | 997            | 28,912                  | 37,936           | 35,574                    | Apr. 1                         |
| Psittacosis-----096.2                               | 5                   | 6                   | ---            | 45                  | 59      | ---            | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Rabies in man-----094                               | -                   | -                   | -              | 3                   | 1       | 1              | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Smallpox-----084                                    | -                   | -                   | -              | -                   | -       | -              | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Typhoid fever-----040                               | 21                  | 28                  | 28             | 197                 | 205     | 223            | 1,616                   | 2,082            | 2,203                     | Apr. 1                         |
| Typhus fever, endemic-----101                       | 1                   | -                   | ---            | 8                   | 9       | ---            | ( <sup>2</sup> )        | ( <sup>2</sup> ) | ( <sup>2</sup> )          | ( <sup>2</sup> )               |
| Rabies in animals-----                              | 138                 | 137                 | 174            | 891                 | 964     | 1,313          | 1,916                   | 2,317            | 2,857                     | Oct. 1                         |

<sup>1</sup>Reported in Pennsylvania.

<sup>2</sup>Frequencies are too small.

<sup>3</sup>Deduction: Arkansas, week ended February 18, 40 cases.

<sup>4</sup>Deduction: Arkansas, week ended February 18, 2 cases.

<sup>5</sup>Addition: Arkansas, week ended February 18, 2 cases.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, rabies in man, and smallpox are not shown in table 2,

but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

Symbols.—1 dash [ - ] : no cases reported; 3 dashes [ --- ] : data not available.

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 26, 1955 AND FEBRUARY 25, 1956**

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

| AREA                      | BRUCELLOSIS<br>(UNDULANT<br>FEVER) |      | DIPHTHERIA 055 |      |                             |      | ENCEPHALITIS,<br>INFECTIOUS |      | HEPATITIS, INFECTIOUS, AND<br>SERUM 092,N998.5 pt. |      |                             |       |
|---------------------------|------------------------------------|------|----------------|------|-----------------------------|------|-----------------------------|------|--|------|-----------------------------|-------|
|                           | 044                                |      | 8th week       |      | Cumulative<br>first 8 weeks |      | 082                         |      | 8th week   |      | Cumulative<br>first 8 weeks |       |
|                           | 1956                               | 1955 | 1956           | 1955 | 1956                        | 1955 | 1956                        | 1955 | 1956   | 1955 | 1956                        | 1955  |
| CONT. UNITED STATES-----  | 19                                 | 20   | 45             | 32   | 339                         | 332  | 18                          | 27   | 504  | 891  | 4,054                       | 7,459 |
| NEW ENGLAND-----          | 3                                  | 1    | -              | -    | -                           | 8    | -                           | -    | 33   | 70   | 275                         | 689   |
| Maine-----                | -                                  | -    | -              | -    | -                           | -    | -                           | -    | 7  | 3    | 72                          | 52    |
| New Hampshire-----        | -                                  | -    | -              | -    | -                           | -    | -                           | -    | 1  | 2    | 3                           | 30    |
| Vermont-----              | 1                                  | -    | -              | -    | -                           | 1    | -                           | -    | 9  | 4    | 44                          | 57    |
| Massachusetts-----        | -                                  | 1    | -              | -    | -                           | 7    | -                           | -    | 4  | 28   | 56                          | 270   |
| Rhode Island-----         | 2                                  | -    | -              | -    | -                           | -    | -                           | -    | 5  | 9    | 34                          | 116   |
| Connecticut-----          | -                                  | -    | -              | -    | -                           | -    | -                           | -    | 7  | 24   | 66                          | 164   |
| MIDDLE ATLANTIC-----      | -                                  | -    | -              | 2    | 7                           | 13   | 4                           | 8    | 100  | 218  | 800                         | 1,813 |
| New York-----             | -                                  | -    | -              | 2    | 4                           | 9    | 1                           | 7    | 56   | 112  | 451                         | 970   |
| New Jersey-----           | -                                  | -    | -              | -    | -                           | -    | 3                           | 1    | 8  | 18   | 69                          | 118   |
| Pennsylvania-----         | -                                  | -    | -              | -    | 3                           | 4    | -                           | -    | 36   | 88   | 280                         | 725   |
| EAST NORTH CENTRAL-----   | 8                                  | 3    | 22             | 9    | 66                          | 55   | 5                           | 2    | 83   | 92   | 587                         | 1,167 |
| Ohio-----                 | -                                  | -    | -              | 3    | 7                           | 16   | 2                           | -    | 19   | 30   | 148                         | 195   |
| Indiana-----              | -                                  | -    | 21             | 5    | 24                          | 25   | 1                           | 1    | 28   | 6    | 94                          | 176   |
| Illinois-----             | 7                                  | -    | -              | -    | -                           | 2    | -                           | -    | 13   | 20   | 146                         | 264   |
| Michigan-----             | 1                                  | 1    | 1              | -    | 35                          | 10   | 2                           | 1    | 19   | 18   | 135                         | 369   |
| Wisconsin-----            | -                                  | 2    | -              | 1    | -                           | 2    | -                           | -    | 4  | 18   | 64                          | 163   |
| WEST NORTH CENTRAL-----   | 4                                  | 5    | 3              | -    | 35                          | 45   | 1                           | 1    | 48   | 131  | 389                         | 1,025 |
| Minnesota-----            | -                                  | 1    | -              | -    | 10                          | 21   | -                           | -    | 7  | 41   | 107                         | 375   |
| Iowa-----                 | 4                                  | 2    | -              | -    | 11                          | 4    | -                           | -    | 4  | 47   | 95                          | 345   |
| Missouri-----             | -                                  | -    | -              | -    | -                           | 3    | -                           | -    | -  | 6    | 16                          | 79    |
| North Dakota-----         | -                                  | 1    | -              | -    | -                           | -    | -                           | -    | 11   | 9    | 43                          | 67    |
| South Dakota-----         | -                                  | 1    | -              | -    | -                           | 8    | -                           | -    | 10   | 18   | 73                          | 93    |
| Nebraska-----             | -                                  | -    | 3              | -    | 14                          | 9    | -                           | -    | 6  | 2    | 25                          | 19    |
| Kansas-----               | -                                  | -    | -              | -    | -                           | -    | 1                           | 1    | 10   | 8    | 30                          | 47    |
| SOUTH ATLANTIC-----       | -                                  | 4    | 9              | 5    | 75                          | 90   | 1                           | 2    | 30   | 79   | 242                         | 716   |
| Delaware-----             | -                                  | -    | -              | -    | -                           | -    | -                           | -    | -  | 1    | 2                           | 10    |
| Maryland-----             | -                                  | -    | -              | 1    | -                           | 2    | -                           | -    | 4  | 10   | 23                          | 85    |
| District of Columbia----- | -                                  | -    | -              | -    | 1                           | -    | -                           | -    | 2  | 1    | 6                           | 15    |
| Virginia-----             | -                                  | 1    | 1              | -    | 10                          | 2    | -                           | -    | 9  | 35   | 113                         | 354   |
| West Virginia-----        | -                                  | -    | 1              | -    | 3                           | 2    | -                           | -    | 2  | 7    | 9                           | 94    |
| North Carolina-----       | -                                  | -    | 2              | 1    | 15                          | 15   | 1                           | -    | 1  | 18   | 27                          | 73    |
| South Carolina-----       | -                                  | -    | 2              | -    | 7                           | 14   | -                           | -    | 1  | 3    | 8                           | 10    |
| Georgia-----              | -                                  | 2    | -              | 2    | 15                          | 45   | -                           | -    | 5  | 1    | 26                          | 51    |
| Florida-----              | -                                  | 1    | 3              | 1    | 24                          | 10   | -                           | 2    | 6  | 3    | 28                          | 44    |
| EAST SOUTH CENTRAL-----   | 3                                  | 1    | 7              | 8    | 54                          | 46   | -                           | 5    | 78   | 62   | 348                         | 401   |
| Kentucky-----             | 1                                  | -    | -              | 1    | 4                           | 8    | -                           | -    | 20   | 8    | 95                          | 62    |
| Tennessee-----            | -                                  | -    | 1              | 3    | 10                          | 8    | -                           | 3    | 41   | 33   | 181                         | 174   |
| Alabama-----              | -                                  | 1    | 6              | -    | 33                          | 19   | -                           | -    | 8  | 8    | 35                          | 86    |
| Mississippi-----          | 2                                  | -    | -              | 4    | 7                           | 11   | -                           | 2    | 9  | 13   | 37                          | 79    |
| WEST SOUTH CENTRAL-----   | -                                  | 4    | 3              | 7    | 75                          | 65   | 2                           | 2    | 31   | 49   | 249                         | 354   |
| Arkansas-----             | -                                  | 1    | -              | -    | 6                           | 4    | -                           | -    | -  | 15   | 25                          | 60    |
| Louisiana-----            | -                                  | 1    | -              | 1    | 8                           | 9    | -                           | -    | 1  | 2    | 11                          | 24    |
| Oklahoma-----             | -                                  | -    | 2              | -    | 21                          | 6    | -                           | -    | 3  | 4    | 18                          | 39    |
| Texas-----                | -                                  | 2    | 1              | 6    | 40                          | 44   | 2                           | 2    | 27   | 28   | 195                         | 211   |
| MOUNTAIN-----             | -                                  | 2    | -              | -    | 7                           | -    | -                           | -    | 47   | 64   | 474                         | 609   |
| Montana-----              | -                                  | 1    | -              | -    | -                           | -    | -                           | -    | 12   | 10   | 117                         | 57    |
| Idaho-----                | -                                  | -    | -              | -    | -                           | -    | -                           | -    | 4  | 6    | 59                          | 55    |
| Wyoming-----              | -                                  | -    | -              | -    | -                           | -    | -                           | -    | 1  | 4    | 26                          | 24    |
| Colorado-----             | -                                  | 1    | -              | -    | -                           | -    | -                           | -    | 14   | 16   | 101                         | 128   |
| New Mexico-----           | -                                  | -    | -              | -    | 1                           | -    | -                           | -    | 2  | 9    | 30                          | 143   |
| Arizona-----              | -                                  | -    | -              | -    | 5                           | -    | -                           | -    | 9  | 17   | 121                         | 165   |
| Utah-----                 | -                                  | -    | -              | 1    | -                           | -    | -                           | -    | 4  | -    | 19                          | 18    |
| Nevada-----               | -                                  | -    | -              | -    | -                           | -    | -                           | -    | 1  | 2    | 1                           | 19    |
| PACIFIC-----              | 1                                  | -    | 1              | 1    | 20                          | 12   | 5                           | 7    | 54   | 126  | 690                         | 705   |
| Washington-----           | 1                                  | -    | -              | 1    | 1                           | 2    | -                           | -    | 15   | 12   | 159                         | 136   |
| Oregon-----               | -                                  | -    | 1              | -    | 6                           | -    | -                           | -    | 5  | 34   | 137                         | 198   |
| California-----           | -                                  | -    | -              | -    | 13                          | 10   | 5                           | 7    | 34   | 80   | 394                         | 371   |
| Alaska-----               | -                                  | -    | -              | -    | -                           | -    | -                           | -    | -  | 3    | 9                           | 100   |
| Hawaii-----               | -                                  | -    | -              | -    | -                           | -    | -                           | -    | -  | 1    | 10                          | 13    |
| Puerto Rico-----          | -                                  | -    | -              | 4    | 7                           | 14   | -                           | -    | 9  | -    | 46                          | 10    |

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 26, 1955 AND FEBRUARY 25, 1956—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

| AREA                      | POLIOMYELITIS 080  |      |                          |      |             |      |              |      | MALARIA |      | MEASLES |        |
|---------------------------|--------------------|------|--------------------------|------|-------------|------|--------------|------|---------|------|---------|--------|
|                           | Total <sup>1</sup> |      |                          |      | Paralytic   |      | Nonparalytic |      | 110-117 |      | 085     |        |
|                           | 8th week           |      | Cumulative first 8 weeks |      | 080.0,080.1 |      | 080.2        |      | 110-117 |      | 085     |        |
|                           | 1956               | 1955 | 1956                     | 1955 | 1956        | 1955 | 1956         | 1955 | 1956    | 1955 | 1956    | 1955   |
| CONT. UNITED STATES-----  | 53                 | 71   | 705                      | 749  | 29          | 20   | 12           | 32   | 3       | 4    | 15,242  | 19,382 |
| NEW ENGLAND-----          | 1                  | 1    | 30                       | 21   | 1           | -    | -            | -    | 1       | -    | 172     | 6,287  |
| Maine-----                | 1                  | -    | 6                        | 1    | 1           | -    | -            | -    | -       | -    | 9       | 284    |
| New Hampshire-----        | -                  | -    | 2                        | 3    | -           | -    | -            | -    | -       | -    | -       | 616    |
| Vermont-----              | -                  | -    | 4                        | 10   | -           | -    | -            | -    | -       | -    | 22      | 251    |
| Massachusetts-----        | -                  | 1    | 16                       | 5    | -           | -    | -            | -    | -       | -    | 127     | 2,768  |
| Rhode Island-----         | -                  | -    | 2                        | -    | -           | -    | -            | -    | -       | -    | -       | 437    |
| Connecticut-----          | -                  | -    | -                        | 2    | -           | -    | -            | -    | 1       | -    | 14      | 1,951  |
| MIDDLE ATLANTIC-----      | 4                  | 6    | 55                       | 90   | 3           | 3    | 1            | -    | -       | -    | 1,831   | 3,854  |
| New York-----             | 2                  | 3    | 39                       | 53   | 1           | 3    | 1            | -    | -       | -    | 656     | 1,255  |
| New Jersey-----           | 2                  | 1    | 5                        | 13   | 2           | -    | -            | -    | -       | -    | 332     | 1,947  |
| Pennsylvania-----         | -                  | 2    | 11                       | 24   | -           | -    | -            | -    | -       | -    | 843     | 652    |
| EAST NORTH CENTRAL-----   | 1                  | 4    | 47                       | 74   | -           | 1    | -            | -    | -       | -    | 4,087   | 2,537  |
| Ohio-----                 | -                  | -    | 9                        | 17   | -           | -    | -            | -    | -       | -    | 866     | 357    |
| Indiana-----              | 1                  | 3    | 4                        | 7    | -           | -    | -            | -    | -       | -    | 330     | 187    |
| Illinois-----             | -                  | 1    | 4                        | 11   | -           | 1    | -            | -    | -       | -    | 1,447   | 244    |
| Michigan-----             | -                  | -    | 19                       | 31   | -           | -    | -            | -    | -       | -    | 736     | 777    |
| Wisconsin-----            | -                  | -    | 11                       | 8    | -           | -    | -            | -    | -       | -    | 708     | 972    |
| WEST NORTH CENTRAL-----   | 4                  | 5    | 34                       | 50   | 3           | -    | -            | 2    | -       | -    | 687     | 1,284  |
| Minnesota-----            | 1                  | -    | 3                        | 6    | 1           | -    | -            | -    | -       | -    | 11      | 541    |
| Iowa-----                 | -                  | 1    | 10                       | 13   | -           | -    | -            | -    | -       | -    | 198     | 364    |
| Missouri-----             | 2                  | 1    | 10                       | 9    | 1           | -    | -            | -    | -       | -    | 115     | 195    |
| North Dakota-----         | -                  | -    | 1                        | 3    | -           | -    | -            | -    | -       | -    | 43      | 125    |
| South Dakota-----         | -                  | 1    | 7                        | 4    | -           | -    | -            | 1    | -       | -    | -       | 9      |
| Nebraska-----             | -                  | 1    | -                        | 7    | -           | -    | -            | 1    | -       | -    | 180     | 8      |
| Kansas-----               | 1                  | 1    | 3                        | 8    | 1           | -    | -            | -    | -       | -    | 140     | 42     |
| SOUTH ATLANTIC-----       | 7                  | 5    | 54                       | 131  | 5           | 2    | 1            | 3    | -       | -    | 2,029   | 645    |
| Delaware-----             | -                  | -    | 1                        | 1    | -           | -    | -            | -    | -       | -    | 11      | 2      |
| Maryland-----             | -                  | -    | 4                        | 6    | -           | -    | -            | -    | -       | -    | 439     | 64     |
| District of Columbia----- | -                  | -    | -                        | -    | -           | -    | -            | -    | -       | -    | 88      | 10     |
| Virginia-----             | -                  | 1    | 2                        | 3    | -           | -    | -            | 1    | -       | -    | 513     | 109    |
| West Virginia-----        | 1                  | -    | 2                        | 5    | 1           | -    | -            | -    | -       | -    | 335     | 187    |
| North Carolina-----       | 1                  | -    | 21                       | 25   | 1           | -    | -            | -    | -       | -    | 275     | 15     |
| South Carolina-----       | 1                  | -    | 5                        | 5    | 1           | -    | -            | -    | -       | -    | 189     | 47     |
| Georgia-----              | -                  | -    | 5                        | 11   | -           | -    | -            | -    | -       | -    | 110     | 137    |
| Florida-----              | 4                  | 4    | 14                       | 275  | 2           | 2    | 1            | 2    | -       | -    | 69      | 74     |
| EAST SOUTH CENTRAL-----   | 4                  | 6    | 28                       | 44   | 1           | 1    | 1            | 3    | -       | -    | 778     | 510    |
| Kentucky-----             | 1                  | 4    | 10                       | 19   | -           | 1    | -            | 3    | -       | -    | 355     | 55     |
| Tennessee-----            | 1                  | 1    | 2                        | 8    | -           | -    | -            | -    | -       | -    | 336     | 345    |
| Alabama-----              | -                  | 1    | 6                        | 6    | -           | -    | -            | -    | -       | -    | 74      | 83     |
| Mississippi-----          | 2                  | -    | 15                       | 11   | 1           | -    | 1            | -    | -       | -    | 13      | 27     |
| WEST SOUTH CENTRAL-----   | 14                 | 23   | 128                      | 101  | 6           | 6    | 3            | 11   | 1       | 2    | 3,135   | 1,799  |
| Arkansas-----             | 1                  | -    | 10                       | 6    | -           | -    | 1            | -    | -       | -    | 425     | 90     |
| Louisiana-----            | 3                  | 4    | 19                       | 15   | 2           | 2    | 1            | 2    | -       | -    | 24      | 4      |
| Oklahoma-----             | -                  | 1    | 6                        | 12   | -           | -    | -            | -    | -       | -    | 520     | 72     |
| Texas-----                | 10                 | 18   | 93                       | 68   | 4           | 4    | 1            | 9    | 1       | 2    | 2,166   | 1,633  |
| MOUNTAIN-----             | 5                  | 4    | 46                       | 56   | 3           | 1    | 1            | 2    | -       | -    | 1,704   | 695    |
| Montana-----              | -                  | 1    | 4                        | 9    | -           | -    | -            | 1    | -       | -    | 253     | 27     |
| Idaho-----                | 1                  | -    | 5                        | 5    | -           | -    | -            | -    | -       | -    | 26      | 14     |
| Wyoming-----              | -                  | -    | 2                        | 4    | -           | -    | -            | -    | -       | -    | 94      | -      |
| Colorado-----             | 1                  | 2    | 4                        | 11   | 1           | -    | -            | 1    | -       | -    | 902     | 32     |
| New Mexico-----           | 1                  | 1    | 1                        | 3    | 1           | 1    | -            | -    | -       | -    | 37      | 277    |
| Arizona-----              | 2                  | -    | 21                       | 4    | 1           | -    | 1            | -    | -       | -    | 354     | 327    |
| Utah-----                 | -                  | -    | 3                        | 12   | -           | -    | -            | -    | -       | -    | 30      | 8      |
| Nevada-----               | -                  | -    | 6                        | 8    | -           | -    | -            | -    | -       | -    | 8       | 10     |
| PACIFIC-----              | 13                 | 17   | 283                      | 182  | 7           | 6    | 5            | 11   | 1       | 2    | 819     | 1,771  |
| Washington-----           | 1                  | -    | 15                       | 19   | -           | -    | -            | -    | -       | -    | 307     | 353    |
| Oregon-----               | 1                  | 3    | 22                       | 14   | 1           | 1    | -            | 2    | -       | -    | 41      | 70     |
| California-----           | 11                 | 14   | 246                      | 149  | 6           | 5    | 5            | 9    | 1       | 2    | 471     | 1,348  |
| Alaska-----               | -                  | -    | 1                        | 2    | -           | -    | -            | -    | -       | -    | 15      | 3      |
| Hawaii-----               | 1                  | -    | 34                       | 2    | 1           | -    | -            | -    | -       | -    | 4       | 205    |
| Puerto Rico-----          | -                  | 32   | 4                        | 206  | -           | 32   | -            | -    | -       | -    | 16      | 46     |

<sup>1</sup>Includes cases not specified by type, category number 080.3.<sup>2</sup>Includes delayed cases with onset late in 1954.

# Morbidity and Mortality Weekly Report

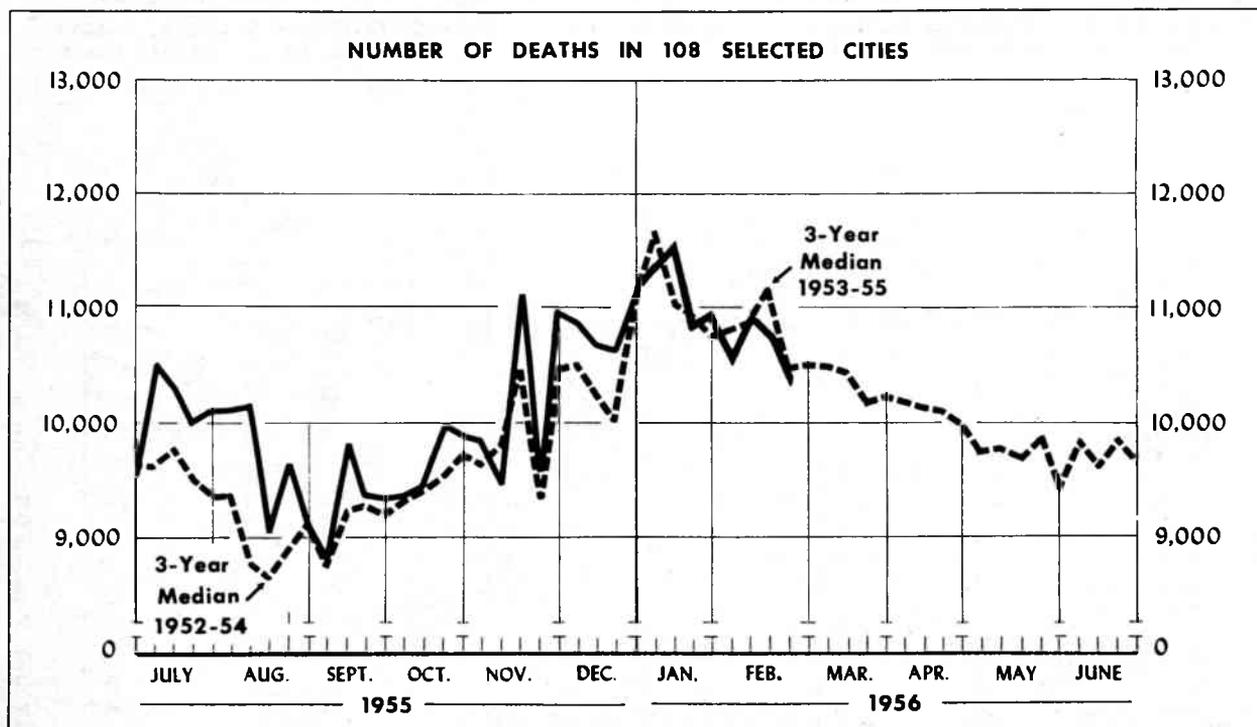
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 26, 1955 AND FEBRUARY 25, 1956—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

| AREA                      | MENINGOCOCCAL INFECTIONS |      | MENINGITIS, OTHER<br>340 | PSITTACOSIS |      | TYPHOID FEVER 040 |      |                          |      | TYPHUS FEVER, ENDEMIC<br>101 | RABIES IN ANIMALS |      |
|---------------------------|--------------------------|------|--------------------------|-------------|------|-------------------|------|--------------------------|------|------------------------------|-------------------|------|
|                           | 057                      |      |                          | 096.2       |      | 8th week          |      | Cumulative first 8 weeks |      |                              | 1956              | 1955 |
|                           | 1956                     | 1955 | 1956                     | 1955        | 1956 | 1955              | 1956 | 1955                     | 1956 | 1955                         |                   |      |
| CONT. UNITED STATES-----  | 65                       | 104  | 37                       | 5           | 6    | 21                | 28   | 197                      | 205  | 1                            | 138               | 137  |
| NEW ENGLAND-----          | 1                        | 4    | 6                        | -           | -    | -                 | -    | 2                        | 4    | -                            | -                 | -    |
| Maine-----                | -                        | -    | -                        | -           | -    | -                 | -    | -                        | 1    | -                            | -                 | -    |
| New Hampshire-----        | -                        | -    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Vermont-----              | -                        | -    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Massachusetts-----        | -                        | 1    | 3                        | -           | -    | -                 | -    | 1                        | 3    | -                            | -                 | -    |
| Rhode Island-----         | -                        | 3    | 3                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Connecticut-----          | 1                        | -    | -                        | -           | -    | -                 | -    | 1                        | -    | -                            | -                 | -    |
| MIDDLE ATLANTIC-----      | 4                        | 19   | -                        | 2           | -    | 5                 | 5    | 27                       | 28   | -                            | 12                | 13   |
| New York-----             | 2                        | 8    | -                        | -           | -    | 1                 | 2    | 7                        | 6    | -                            | 6                 | 8    |
| New Jersey-----           | 1                        | 3    | -                        | -           | -    | -                 | -    | 2                        | 2    | -                            | -                 | -    |
| Pennsylvania-----         | 1                        | 8    | -                        | 2           | -    | 4                 | 3    | 18                       | 20   | -                            | 6                 | 5    |
| EAST NORTH CENTRAL-----   | 18                       | 12   | 12                       | 1           | 2    | 2                 | -    | 24                       | 28   | -                            | 18                | 9    |
| Ohio-----                 | 4                        | 3    | -                        | -           | 1    | -                 | -    | 5                        | 16   | -                            | 5                 | 3    |
| Indiana-----              | 2                        | 3    | 2                        | -           | -    | -                 | -    | 4                        | -    | -                            | 3                 | 4    |
| Illinois-----             | 2                        | 4    | 9                        | 1           | -    | 2                 | -    | 4                        | 6    | -                            | 10                | 1    |
| Michigan-----             | 6                        | 2    | 1                        | -           | -    | -                 | -    | 5                        | 5    | -                            | -                 | -    |
| Wisconsin-----            | 4                        | -    | -                        | -           | 1    | -                 | -    | 6                        | 1    | -                            | -                 | 1    |
| WEST NORTH CENTRAL-----   | 5                        | 5    | -                        | 2           | 1    | 6                 | 3    | 37                       | 10   | -                            | 21                | 15   |
| Minnesota-----            | 1                        | 2    | -                        | 2           | -    | 4                 | 1    | 20                       | 1    | -                            | 4                 | 2    |
| Iowa-----                 | 1                        | -    | -                        | -           | 1    | -                 | 1    | 3                        | 2    | -                            | 4                 | 6    |
| Missouri-----             | -                        | -    | -                        | -           | -    | 1                 | -    | 5                        | 6    | -                            | 13                | 7    |
| North Dakota-----         | -                        | 1    | -                        | -           | -    | -                 | -    | 4                        | -    | -                            | -                 | -    |
| South Dakota-----         | -                        | -    | -                        | -           | -    | -                 | 1    | 2                        | 1    | -                            | -                 | -    |
| Nebraska-----             | 2                        | -    | -                        | -           | -    | 1                 | -    | 3                        | -    | -                            | -                 | -    |
| Kansas-----               | 1                        | -    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| SOUTH ATLANTIC-----       | 8                        | 25   | 6                        | -           | -    | 4                 | 2    | 31                       | 32   | -                            | 30                | 45   |
| Delaware-----             | -                        | -    | -                        | -           | -    | -                 | -    | 1                        | -    | -                            | -                 | -    |
| Maryland-----             | 3                        | 2    | 3                        | -           | -    | -                 | 1    | 1                        | 1    | -                            | -                 | -    |
| District of Columbia----- | -                        | 1    | 1                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Virginia-----             | -                        | 5    | -                        | -           | -    | 1                 | -    | 1                        | 11   | -                            | 12                | 18   |
| West Virginia-----        | -                        | -    | 1                        | -           | -    | -                 | -    | 5                        | 3    | -                            | 1                 | 5    |
| North Carolina-----       | 2                        | 11   | -                        | -           | -    | -                 | -    | 6                        | 2    | -                            | 2                 | 4    |
| South Carolina-----       | 1                        | -    | 1                        | -           | -    | 1                 | -    | 6                        | 3    | -                            | 8                 | 5    |
| Georgia-----              | 2                        | -    | -                        | -           | -    | 1                 | 1    | 4                        | 5    | -                            | 4                 | 5    |
| Florida-----              | -                        | 6    | -                        | -           | -    | 2                 | -    | 7                        | 7    | -                            | 3                 | 8    |
| EAST SOUTH CENTRAL-----   | 12                       | 10   | 4                        | -           | -    | 2                 | 4    | 25                       | 22   | 1                            | 28                | 29   |
| Kentucky-----             | 2                        | 3    | -                        | -           | -    | 2                 | 2    | 5                        | 16   | -                            | 10                | 5    |
| Tennessee-----            | 4                        | 3    | 4                        | -           | -    | 2                 | 2    | 12                       | 4    | -                            | 3                 | 8    |
| Alabama-----              | 3                        | 5    | -                        | -           | -    | -                 | -    | 1                        | 2    | 1                            | 15                | 12   |
| Mississippi-----          | 3                        | 1    | -                        | -           | -    | -                 | -    | 7                        | -    | -                            | -                 | 4    |
| WEST SOUTH CENTRAL-----   | 11                       | 19   | 5                        | -           | 1    | 2                 | 7    | 32                       | 42   | -                            | 22                | 21   |
| Arkansas-----             | -                        | 2    | 3                        | -           | -    | 1                 | 1    | 7                        | 8    | -                            | 2                 | -    |
| Louisiana-----            | 4                        | 5    | -                        | -           | 1    | -                 | 2    | 8                        | 15   | -                            | 2                 | -    |
| Oklahoma-----             | 1                        | 2    | 2                        | -           | -    | -                 | -    | 6                        | 5    | -                            | -                 | -    |
| Texas-----                | 6                        | 10   | -                        | -           | -    | 1                 | 4    | 14                       | 14   | -                            | 18                | 21   |
| MOUNTAIN-----             | 1                        | 1    | 2                        | -           | 2    | -                 | 2    | 5                        | 22   | -                            | 1                 | 2    |
| Montana-----              | 1                        | -    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Idaho-----                | -                        | -    | -                        | -           | 2    | -                 | -    | -                        | 2    | -                            | -                 | -    |
| Wyoming-----              | -                        | -    | -                        | -           | -    | -                 | 1    | -                        | 1    | -                            | -                 | -    |
| Colorado-----             | -                        | 1    | 2                        | -           | -    | -                 | -    | 1                        | -    | -                            | -                 | -    |
| New Mexico-----           | -                        | -    | -                        | -           | -    | -                 | -    | 4                        | 12   | -                            | -                 | 2    |
| Arizona-----              | -                        | -    | -                        | -           | -    | -                 | -    | -                        | 6    | -                            | 1                 | -    |
| Utah-----                 | -                        | -    | -                        | -           | -    | -                 | 1    | -                        | 1    | -                            | -                 | -    |
| Nevada-----               | -                        | -    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| PACIFIC-----              | 5                        | 11   | 2                        | -           | -    | -                 | 5    | 14                       | 17   | -                            | 6                 | 3    |
| Washington-----           | -                        | 1    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Oregon-----               | 1                        | 2    | 2                        | -           | -    | -                 | -    | 3                        | 1    | -                            | -                 | -    |
| California-----           | 4                        | 8    | -                        | -           | -    | -                 | 5    | 11                       | 16   | -                            | 6                 | 3    |
| Alaska-----               | 1                        | -    | -                        | -           | -    | -                 | 1    | -                        | 2    | -                            | -                 | -    |
| Hawaii-----               | -                        | -    | -                        | -           | -    | -                 | -    | -                        | -    | -                            | -                 | -    |
| Puerto Rico-----          | -                        | -    | 1                        | -           | -    | -                 | 7    | 3                        | 16   | -                            | 1                 | -    |

<sup>3</sup>Includes delayed cases.

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The chart shows the number of deaths reported for 108 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. 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.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ( $d \pm 2\sqrt{d}$ , where  $d$  represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their 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 DIVISION

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

| AREA                                | 8th week ended Feb. 25, 1956 | 7th week ended Feb. 18, 1956 | 8th week median 1953-55 | Percent change, median to current week | CUMULATIVE NUMBER FIRST 8 WEEKS |        |                |
|-------------------------------------|------------------------------|------------------------------|-------------------------|--|---------------------------------|--------|----------------|
|                                     |                              |                              |                         |  | 1956                            | 1955   | Percent change |
| TOTAL: 108 REPORTING CITIES-----    | 10,356                       | 10,721                       | 10,472                  | -1.1                                   | 87,197                          | 86,458 | +0.9           |
| New England----- (14 cities)        | 700                          | 696                          | 702                     | -0.3                                   | 5,841                           | 5,984  | -2.4           |
| Middle Atlantic----- (17 cities)    | 2,888                        | 3,140                        | 3,025                   | -4.5                                   | 25,057                          | 25,672 | -2.4           |
| East North Central----- (18 cities) | 2,301                        | 2,386                        | 2,306                   | -0.2                                   | 19,120                          | 18,559 | +3.0           |
| West North Central----- (9 cities)  | 760                          | 746                          | 745                     | +2.0                                   | 6,282                           | 5,952  | +5.5           |
| South Atlantic----- (9 cities)      | 766                          | 815                          | 859                     | -10.8                                  | 6,954                           | 6,562  | +6.0           |
| East South Central----- (8 cities)  | 495                          | 507                          | 495                     | 0                                      | 4,144                           | 4,046  | +2.4           |
| West South Central----- (13 cities) | 840                          | 864                          | 826                     | +1.7                                   | 7,021                           | 6,736  | +4.2           |
| Mountain----- (8 cities)            | 266                          | 257                          | 255                     | +4.3                                   | 2,032                           | 2,113  | -3.8           |
| Pacific----- (12 cities)            | 1,340                        | 1,310                        | 1,276                   | +5.0                                   | 10,746                          | 10,834 | -0.8           |

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**Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED FEBRUARY 25, 1956**

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

| CITY                      | 8th week ended Feb. 25, 1956 | 7th week ended Feb. 18, 1956 | CUMULATIVE NUMBER FIRST 8 WEEKS |        | CITY                           | 8th week ended Feb. 25, 1956 | 7th week ended Feb. 18, 1956 | CUMULATIVE NUMBER FIRST 8 WEEKS |       |
|---------------------------|------------------------------|------------------------------|---------------------------------|--------|--------------------------------|------------------------------|------------------------------|---------------------------------|-------|
|                           |                              |                              | 1956                            | 1955   |                                |                              |                              | 1956                            | 1955  |
| <b>NEW ENGLAND</b>        |                              |                              |                                 |        | <b>WEST NORTH CENTRAL—Con.</b> |                              |                              |                                 |       |
| Boston, Mass.-----        | 266                          | 253                          | 2,033                           | 2,047  | St. Louis, Mo.-----            | 249                          | 266                          | 2,119                           | 1,783 |
| Bridgeport, Conn.-----    | 25                           | 25                           | 279                             | 321    | St. Paul, Minn.-----           | 64                           | 61                           | 541                             | 536   |
| Cambridge, Mass.-----     | 30                           | 35                           | 260                             | 245    | Wichita, Kans.-----            | 39                           | 32                           | 337                             | 326   |
| Fall River, Mass.-----    | 20                           | 28                           | 238                             | 236    | <b>SOUTH ATLANTIC</b>          |                              |                              |                                 |       |
| Hartford, Conn.-----      | 59                           | 50                           | 417                             | 438    | Atlanta, Ga.-----              | 110                          | 107                          | 942                             | 859   |
| Lowell, Mass.-----        | 16                           | 17                           | 187                             | 192    | Baltimore, Md.-----            | 225                          | 254                          | 2,010                           | 1,927 |
| Lynn, Mass.-----          | 19                           | 28                           | 173                             | 191    | Charlotte, N. C.-----          | 26                           | 26                           | 290                             | 277   |
| New Bedford, Mass.-----   | 28                           | 21                           | 197                             | 196    | Jacksonville, Fla.-----        | (58)                         | (49)                         | (463)                           | (416) |
| New Haven, Conn.-----     | 39                           | 48                           | 421                             | 404    | Miami, Fla.-----               | 54                           | 44                           | 478                             | 461   |
| Providence, R. I.-----    | 55                           | 76                           | 517                             | 554    | Norfolk, Va.-----              | 30                           | 28                           | 278                             | 288   |
| Somerville, Mass.-----    | 16                           | 12                           | 134                             | 130    | Richmond, Va.-----             | 66                           | 61                           | 605                             | 597   |
| Springfield, Mass.-----   | 43                           | 35                           | 353                             | 363    | Savannah, Ga.-----             | (37)                         | (28)                         | (236)                           | (269) |
| Waterbury, Conn.-----     | 25                           | 14                           | 206                             | 241    | Tampa, Fla.-----               | 58                           | 72                           | 527                             | 493   |
| Worcester, Mass.-----     | 59                           | 54                           | 426                             | 426    | Washington, D. C.-----         | 174                          | 189                          | 1,556                           | 1,341 |
| <b>MIDDLE ATLANTIC</b>    |                              |                              |                                 |        | Wilmington, Del.-----          | 23                           | 34                           | 268                             | 319   |
| Albany, N. Y.-----        | 64                           | 55                           | 413                             | 393    | <b>EAST SOUTH CENTRAL</b>      |                              |                              |                                 |       |
| Allentown, Pa.-----       | (51)                         | (26)                         | (307)                           | (285)  | Birmingham, Ala.-----          | 91                           | 82                           | 666                             | 719   |
| Buffalo, N. Y.-----       | 122                          | 143                          | 1,171                           | 1,159  | Chattanooga, Tenn.-----        | 34                           | 47                           | 359                             | 364   |
| Camden, N. J.-----        | 23                           | 52                           | 310                             | 332    | Knoxville, Tenn.-----          | 33                           | 33                           | 334                             | 287   |
| Elizabeth, N. J.-----     | 32                           | 51                           | 220                             | 242    | Louisville, Ky.-----           | 131                          | 110                          | 947                             | 925   |
| Eric, Pa.-----            | 32                           | 28                           | 264                             | 281    | Memphis, Tenn.-----            | 93                           | 112                          | 858                             | 843   |
| Jersey City, N. J.-----   | 49                           | 84                           | 594                             | 600    | Mobile, Ala.-----              | 31                           | 29                           | 290                             | 232   |
| Newark, N. J.-----        | 87                           | 103                          | 809                             | 946    | Montgomery, Ala.-----          | 32                           | 41                           | 243                             | 243   |
| New York City, N. Y.----- | 1,576                        | 1,609                        | 13,128                          | 13,522 | Nashville, Tenn.-----          | 50                           | 53                           | 447                             | 433   |
| Paterson, N. J.-----      | 33                           | 41                           | 297                             | 307    | <b>WEST SOUTH CENTRAL</b>      |                              |                              |                                 |       |
| Philadelphia, Pa.-----    | 423                          | 477                          | 3,912                           | 4,034  | Austin, Tex.-----              | 24                           | 45                           | 255                             | 233   |
| Pittsburgh, Pa.-----      | 177                          | 207                          | 1,575                           | 1,525  | Baton Rouge, La.-----          | 24                           | 25                           | 173                             | 191   |
| Reading, Pa.-----         | (17)                         | (21)                         | (168)                           | (193)  | Corpus Christi, Tex.-----      | 9                            | 20                           | 150                             | 146   |
| Rochester, N. Y.-----     | 93                           | 113                          | 794                             | 805    | Dallas, Tex.-----              | 97                           | 89                           | 824                             | 792   |
| Schenectady, N. Y.-----   | 18                           | 20                           | 181                             | 184    | El Paso, Tex.-----             | 25                           | 28                           | 241                             | 237   |
| Scranton, Pa.-----        | (34)                         | (24)                         | (271)                           | (298)  | Fort Worth, Tex.-----          | 58                           | 69                           | 494                             | 450   |
| Syracuse, N. Y.-----      | 60                           | 52                           | 504                             | 461    | Houston, Tex.-----             | 125                          | 126                          | 1,084                           | 1,068 |
| Trenton, N. J.-----       | 44                           | 42                           | 365                             | 398    | Little Rock, Ark.-----         | 48                           | 47                           | 414                             | 344   |
| Utica, N. Y.-----         | 25                           | 24                           | 253                             | 251    | New Orleans, La.-----          | 192                          | 182                          | 1,407                           | 1,330 |
| Yonkers, N. Y.-----       | 30                           | 39                           | 267                             | 232    | Oklahoma City, Okla.-----      | 66                           | 50                           | 510                             | 473   |
| <b>EAST NORTH CENTRAL</b> |                              |                              |                                 |        | San Antonio, Tex.-----         | 83                           | 90                           | 698                             | 746   |
| Akron, Ohio-----          | 63                           | 49                           | 426                             | 442    | Shreveport, La.-----           | 36                           | 36                           | 369                             | 348   |
| Canton, Ohio-----         | 31                           | 27                           | 216                             | 227    | Tulsa, Okla.-----              | 53                           | 57                           | 382                             | 378   |
| Chicago, Ill.-----        | 753                          | 780                          | 6,410                           | 6,029  | <b>MOUNTAIN</b>                |                              |                              |                                 |       |
| Cincinnati, Ohio-----     | 143                          | 157                          | 1,315                           | 1,286  | Albuquerque, N. Mex.-----      | 35                           | 20                           | 182                             | 245   |
| Cleveland, Ohio-----      | 179                          | 235                          | 1,655                           | 1,658  | Colorado Springs, Colo.-----   | 20                           | 16                           | 123                             | 113   |
| Columbus, Ohio-----       | 116                          | 122                          | 899                             | 896    | Denver, Colo.-----             | 110                          | 108                          | 895                             | 967   |
| Dayton, Ohio-----         | 50                           | 67                           | 577                             | 560    | Ogden, Utah-----               | 17                           | 9                            | 101                             | 90    |
| Detroit, Mich.-----       | 327                          | 333                          | 2,650                           | 2,729  | Phoenix, Ariz.-----            | 24                           | 34                           | 221                             | 218   |
| Evansville, Ind.-----     | 43                           | 32                           | 310                             | 250    | Pueblo, Colo.-----             | 13                           | 10                           | 108                             | 114   |
| Flint, Mich.-----         | 36                           | 49                           | 321                             | 287    | Salt Lake City, Utah-----      | 43                           | 52                           | 362                             | 329   |
| Fort Wayne, Ind.-----     | 34                           | 36                           | 318                             | 260    | Tucson, Ariz.-----             | 4                            | 8                            | 40                              | 37    |
| Gary, Ind.-----           | (28)                         | (20)                         | (245)                           | (227)  | <b>PACIFIC</b>                 |                              |                              |                                 |       |
| Grand Rapids, Mich.-----  | 40                           | 61                           | 330                             | 327    | Berkeley, Calif.-----          | 21                           | 16                           | 157                             | 145   |
| Indianapolis, Ind.-----   | 175                          | 106                          | 957                             | 926    | Long Beach, Calif.-----        | 46                           | 55                           | 455                             | 434   |
| Milwaukee, Wis.-----      | 118                          | 132                          | 1,056                           | 986    | Los Angeles, Calif.-----       | 474                          | 481                          | 3,972                           | 4,087 |
| Peoria, Ill.-----         | 23                           | 24                           | 232                             | 242    | Oakland, Calif.-----           | 106                          | 95                           | 772                             | 774   |
| South Bend, Ind.-----     | 28                           | 26                           | 196                             | 204    | Pasadena, Calif.-----          | 33                           | 46                           | 323                             | 304   |
| Toledo, Ohio-----         | 82                           | 108                          | 803                             | 797    | Portland, Oreg.-----           | 116                          | 86                           | 834                             | 765   |
| Youngstown, Ohio-----     | 54                           | 42                           | 449                             | 453    | Sacramento, Calif.-----        | 62                           | 43                           | 391                             | 410   |
| <b>WEST NORTH CENTRAL</b> |                              |                              |                                 |        | San Diego, Calif.-----         | 72                           | 78                           | 583                             | 658   |
| Des Moines, Iowa-----     | 58                           | 49                           | 428                             | 401    | San Francisco, Calif.-----     | 204                          | 193                          | 1,599                           | 1,588 |
| Duluth, Minn.-----        | 19                           | 23                           | 190                             | 218    | Seattle, Wash.-----            | 121                          | 126                          | 1,012                           | 1,016 |
| Kansas City, Kans.-----   | 30                           | 29                           | 255                             | 295    | Spokane, Wash.-----            | 46                           | 55                           | 351                             | 344   |
| Kansas City, Mo.-----     | 108                          | 109                          | 879                             | 884    | Tacoma, Wash.-----             | 39                           | 36                           | 297                             | 309   |
| Minneapolis, Minn.-----   | 109                          | 117                          | 981                             | 966    | Honolulu, Hawaii-----          | (35)                         | (29)                         | (289)                           | (289) |
| Omaha, Nebr.-----         | 84                           | 60                           | 552                             | 543    |                                |                              |                              |                                 |       |

Symbols.—parentheses ( ) : data not included in table 3.

## EPIDEMIOLOGICAL REPORTS—Continued

was later shipped to a zoo in Texas. A telegram from New York stated that 2 of the animals had elevated temperatures when they were shipped from the State. Shortly after arrival in Oklahoma, 1 of the animals died as a result of an extensive superficial abscess, covering a considerable portion of the thorax, and infection in a pouch opening into the pharynx. A thin purulent material was present in this abscess. The attending veterinarian did not consider tuberculosis at that time and no bacteriological studies were made. About a month later, this animal was replaced by another which became ill late in July or the first of August. The condition became progressively worse and death occurred early in September. A necropsy was performed and a diagnosis of miliary tuberculosis was made. Early in December another of the orangutans expired, with necropsy likewise showing miliary tuberculosis. Two days later the remaining orangutan showed evidence of illness and an eye test showed a positive tuberculin reaction. The animal was placed in isolation and treatment started and it is still alive as of this date. About the middle of January 1956, an old chimpanzee became ill and died about 2½ weeks later. The next day a positive eye test was obtained from another which was later destroyed. Necropsy on this chimpanzee has not been reported, but a test on the one that died showed miliary tuberculosis. All animals present in the primate house during this experience have been given the tuberculin test by the intrapalpebral route and have been reported negative by the attending veterinarian. Attendants and casual visitors inside the primate house have had chest X-rays and no active tuberculosis has been found. An investigation failed to reveal the source of infection of the first animal. The 2 species, orangutans and chimpanzees, are the only primate animals that like or will indulge in milk. In addition to food served to all the animals, they received milk from a goat herd in the zoo. Transmission among the animals may have been by improperly sterilized containers from which the milk was fed.

Trichiniasis

Dr. E. J. Witte, Veterinarian, Pennsylvania Department of Health, has reported 8 cases of trichiniasis which occurred recently. At least 10 other suspected cases are now under observation. A preliminary investigation strongly indicated that most cases were caused by the ingestion of raw or insufficiently cooked sausage. Thus far the cases have been reported from 2 counties, but the distribution of the sausage covered 7.

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