

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 6, 1957

EPIDEMIOLOGICAL REPORTS

Influenza

The following reports have been received by the Influenza Information Center.

Dr. C. A. Hunter, Kansas State Board of Health, has reported the occurrence of influenza A in various parts of the State. A rise in influenza A complement fixation titers was found in 6 paired specimens of serum. A hemagglutinating agent was isolated from 3 throat washings which were found to fix complement in the presence of influenza A antiserum.

The World Health Organization, Geneva, states that reports received up to April 4 indicate that the influenza-like disease reported in Denmark was also present in Sweden and Finland during March. Minor outbreaks of clinical influenza of mild form have occurred in March at different places in central and southern Sweden. Serologic evidence of influenza A

has been obtained. In Finland, during the latter part of March, several outbreaks of influenza-like disease were reported in military camps. Influenza virus has been isolated and is related to A/Netherlands/56 strain.

Gastro-enteritis

The Illinois Department of Public Health has reported an outbreak of gastro-enteritis among 240 persons in a school. Of these, 25 became ill with nausea, vomiting, and diarrhea from 3 to 4 hours following a school lunch. This lunch consisted of turkey salad sandwiches and beans. Frozen turkeys had been thawed, cooked, and iced the day before. In the morning of the day of outbreak, the meat was ground, mixed with mayonnaise, pickles, seasoning, and made into sandwiches. Bacteriologic examination of the turkey salad revealed hemolytic *Staphylococcus aureus*. The lunchroom facilities were adequate and the

Continued on page 2

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 | 14th WEEK | | | CUMULATIVE NUMBER | | | | | | Approximate seasonal low point |
|---|--------------------|--------------------|----------------|-------------------|---------|----------------|-------------------------|---------|---------------------------|--------------------------------|
| | Ended Apr. 6, 1957 | Ended Apr. 7, 1956 | Median 1952-56 | First 14 weeks | | | Since seasonal low week | | | |
| | | | | 1957 | 1956 | Median 1952-56 | 1956-57 | 1955-56 | Median 1951-52 to 1955-56 | |
| Anthrax-----062 | - | 3 | 1 | 7 | 17 | 11 | (1) | (1) | (1) | (1) |
| Botulism-----049.1 | - | - | - | - | - | 5 | (1) | (1) | (1) | (1) |
| Brucellosis (undulant fever)-----044 | 26 | 21 | 33 | 242 | 243 | 372 | (1) | (1) | (1) | (1) |
| Diphtheria-----055 | 14 | 27 | 27 | 304 | 557 | 569 | 1,059 | 1,887 | 1,887 | July 1 |
| Encephalitis, infectious-----082 | 42 | 26 | 26 | 302 | 333 | 308 | 1,866 | 1,255 | 1,255 | June 1 |
| Hepatitis, infectious, and serum-----092,N998.5 pt. | 327 | 419 | 679 | 5,375 | 7,010 | 8,640 | 10,574 | 14,513 | --- | Sept. 1 |
| Malaria-----110-117 | 3 | 5 | 7 | 21 | 42 | 89 | (1) | (1) | (1) | (1) |
| Measles-----085 | 20,674 | 26,249 | 26,249 | 206,990 | 215,524 | 231,633 | 244,194 | 244,622 | 262,974 | Sept. 1 |
| Meningococcal infections-----057 | 51 | 49 | 116 | 777 | 1,021 | 1,570 | 1,508 | 1,944 | 2,799 | Sept. 1 |
| Meningitis, other-----340 | 37 | 22 | --- | 458 | 425 | --- | --- | --- | --- | --- |
| Polio-myelitis-----080 | 33 | 67 | 67 | 560 | 1,134 | 1,380 | 33 | 67 | 67 | Apr. 1 |
| Paralytic-----080.0,080.1 | 18 | 36 | --- | 292 | 619 | --- | 18 | 36 | --- | Apr. 1 |
| Nonparalytic-----080.2 | 10 | 19 | --- | 173 | 304 | --- | 10 | 19 | --- | Apr. 1 |
| Unspecified-----080.3 | 5 | 12 | --- | 95 | 211 | --- | 5 | 12 | --- | Apr. 1 |
| Psittacosis-----086.2 | 3 | 7 | 5 | 61 | 100 | 54 | (1) | (1) | (1) | (1) |
| Rabies in man-----094 | - | - | - | - | 3 | 2 | (1) | (1) | (1) | (1) |
| Typhoid fever-----040 | 17 | 42 | 27 | 274 | 354 | 354 | 17 | 42 | 27 | Apr. 1 |
| Typhus fever, endemic-----101 | - | 4 | 2 | 25 | 23 | 36 | - | 4 | 2 | Apr. 1 |
| Rabies in animals----- | 99 | 142 | 156 | 1,452 | 1,663 | 2,387 | 2,416 | 2,690 | 3,902 | Oct. 1 |

¹Data show no pronounced seasonal change in incidence.

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

EPIDEMIOLOGICAL REPORTS—Continued

general housekeeping was excellent. The source of contamination was not found.

Dr. F. S. Leeder, Michigan Department of Health, has supplied information on an outbreak of gastro-enteritis which occurred in a camp. Shortly after eating a meal, 85 of the 93 persons who partook of it became ill. Of several food items collected for examination, a custard-type rice pudding yielded hemolytic staphylococci. It was reported that the pudding was prepared early in the morning and stayed in the hot kitchen until the evening meal.

The Los Angeles County (California) Health Department has reported an outbreak of gastro-enteritis among 200 persons who ate in an industrial cafeteria. Of these, 9 became ill with nausea, vomiting, and diarrhea from 3 to 7 hours later. Potatoes au gratin was suspected of being the vehicle of infection. The potatoes were steamed early in the morning, cooled, broken by hand, and mixed with oil, flour, milk, and cheese. This food was placed in 1 large pan and 2 small ones. The large pan and 1 of the small ones were baked for 30 minutes and the food served from 9:30 to 1:15. The remaining pan was placed on the grill (pilot on) until 1 p. m.; then baked for 30 minutes and put on the steam table at 2 p. m. for swing shift serving. This food was eaten between 4:30 and 6:30 p. m. It presumably was the source of infection. No food was available for bacteriologic examination. No illness was reported among the food handlers. However, the person who prepared the potatoes had 2 small lesions on his fingers.

Drs. J. D. Martin and C. T. Caraway, Louisiana State Department of Health have reported an outbreak of gastro-enteritis in an elementary school. Food served in the school lunchroom prior to the outbreak was suspected to be the source. Of 36 students eating the lunch, 27 became ill with nausea, vomiting, abdominal cramps, weakness, and diarrhea. Some developed headache, fever, and chilly sensations. Questionnaires were used to elicit information of epidemiological significance. This information indicated no real difference in the attack rates for any of the different food items, nor between persons eating and not eating a specific food item. It is believed that the information obtained was grossly inaccurate because of the time lapse (3 days) before the students were questioned and also because of the ages (6-13 years) of the students. The only food left from the incriminated meal was lunch meat and catsup, and samples of these were negative for food-poisoning types of bacteria and chemicals. Approximately 18 stool specimens from sick students were submitted and portions of these were frozen for virus isolation studies. Bacteriologic studies of all stool specimens were negative for pathogenic organisms. The viral studies are not yet complete. A sanitary inspection of the lunchroom revealed that the physical condition was good. No fault was found in the food handling procedures. The source of contamination was not found.

Brucellosis

Dr. E. J. Witte, Pennsylvania Department of Health, has reported a case of brucellosis in an employee of a hog packing plant. The patient first developed the disease in 1954. At that time in the same plant, he had a job which brought him in direct contact with infected hogs. Late in January of this year he began to have night sweats, headaches, general weakness, and he tired easily. This condition continued until the middle of March when he was examined by a physician at a medical center. An agglutination test for *Brucella abortus* yielded a titer of 1:320. The patient's most recent job was foreman in the slaughtering department. In addition, he substituted in any capacity where a worker was absent. There was no evidence that the patient ingested raw milk or improperly pasteurized dairy products.

This is the third case reported this year that is a "flare-up" or recurrence of cases occurring 2 or 3 years ago.

Anthrax

Dr. E. J. Witte, also, has reported 2 cases of anthrax which occurred in the southeastern part of Pennsylvania, but in different cities. One case was in a man who is employed in the carding department of a mill. About the middle of February he developed an asymptomatic papule on the left side of his neck. When seen by the plant physician the lesion had become pruritic, and a nontender lymph node at the posterior border of the sternocleidomastoid muscle was prominent. A smear of the lesion showed gram-positive rods and on culture *Bacillus anthracis* was isolated. The patient was treated with oral penicillin and has made an uneventful recovery. The other case was in a woman who worked in the drawing department of a textile mill. She developed a pruritic papule on her left arm. She suspected anthrax and went to a hospital where she was told to treat the "pimple" by soaking in Epsom salt solutions. The lesion enlarged within the next 4 days but remained painless and pruritic. She returned to the hospital. There was no regional adenopathy or lymphangitis. A culture of the lesion revealed *B. anthracis*.

QUARANTINE MEASURES

Immunization Information for International Travel
Public Health Service Publication No. 384Changes Reported

Africa.—Sudan (p. 23) now requires smallpox immunizations of all arrivals; cholera immunizations of arrivals from infected areas; and yellow fever inoculations of arrivals by air and of those leaving the country.

America.—Uruguay (p. 33) no longer requires yellow fever inoculations of arrivals from endemic and infected areas. Other information remains the same.

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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 APRIL 7, 1956 AND APRIL 6, 1957

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

| AREA | BRUCELLOSIS (UNDULANT FEVER) | | DIPHTHERIA 055 | | | | ENCEPHALITIS, INFECTIOUS | | HEPATITIS, INFECTIOUS, AND SERUM 092, N998.5 pt. | | | |
|---------------------------|---------------------------------|------|----------------|------|------------------------------|------|-----------------------------|------|---|------|------------------------------|-------|
| | 044 | | 14th week | | Cumulative first 14 weeks | | 082 | | 14th week | | Cumulative first 14 weeks | |
| | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 |
| CONT. UNITED STATES----- | 26 | 21 | 14 | 27 | 304 | 557 | 42 | 26 | 327 | 419 | 5,375 | 7,010 |
| NEW ENGLAND----- | - | - | - | - | 8 | 4 | 2 | 1 | 9 | 31 | 285 | 477 |
| Maine----- | - | - | - | - | 1 | - | - | - | 1 | 12 | 84 | 119 |
| New Hampshire----- | - | - | - | - | - | 1 | - | - | - | - | 6 | 16 |
| Vermont----- | - | - | - | - | - | - | - | - | 1 | 3 | 52 | 70 |
| Massachusetts----- | - | - | - | - | 7 | 3 | 2 | 1 | - | 4 | 76 | 101 |
| Rhode Island----- | - | - | - | - | - | - | - | - | 4 | 2 | 26 | 52 |
| Connecticut----- | - | - | - | - | - | - | - | - | 3 | 10 | 41 | 119 |
| MIDDLE ATLANTIC----- | - | 4 | 3 | 2 | 26 | 20 | 12 | 11 | 55 | 99 | 727 | 1,349 |
| New York----- | - | 3 | 2 | 1 | 18 | 8 | 12 | 9 | 24 | 42 | 389 | 737 |
| New Jersey----- | - | - | 1 | - | 5 | 5 | - | 2 | 9 | 12 | 113 | 122 |
| Pennsylvania----- | - | 1 | 1 | - | 3 | 7 | - | - | 22 | 45 | 225 | 490 |
| EAST NORTH CENTRAL----- | 3 | 2 | 2 | 6 | 23 | 116 | 6 | 3 | 54 | 67 | 1,032 | 1,103 |
| Ohio----- | - | - | 1 | - | 5 | 9 | 1 | - | 12 | 18 | 263 | 275 |
| Indiana----- | - | - | 1 | 2 | 6 | 61 | - | - | 17 | 11 | 141 | 160 |
| Illinois----- | 2 | - | - | - | - | 1 | 1 | 2 | 9 | 17 | 225 | 284 |
| Michigan----- | - | 1 | - | 4 | 11 | 44 | 4 | 1 | 9 | 17 | 290 | 240 |
| Wisconsin----- | 1 | 1 | - | - | 1 | 1 | - | - | 7 | 4 | 113 | 144 |
| WEST NORTH CENTRAL----- | 18 | 3 | 2 | 2 | 30 | 61 | 1 | - | 15 | 35 | 358 | 628 |
| Minnesota----- | 1 | 1 | - | 1 | 18 | 23 | - | - | 7 | 10 | 123 | 186 |
| Iowa----- | 3 | 4 | 2 | 1 | 4 | 14 | - | - | 1 | 12 | 82 | 158 |
| Missouri----- | 6 | 2 | - | - | - | 5 | 1 | - | 5 | 1 | 74 | 30 |
| North Dakota----- | - | 1 | - | - | 1 | - | - | - | 2 | 1 | 51 | 56 |
| South Dakota----- | - | - | - | - | 4 | 1 | - | - | - | 4 | 12 | 92 |
| Nebraska----- | 5 | - | - | - | 1 | 16 | - | - | - | 6 | 10 | 57 |
| Kansas----- | 3 | - | - | - | 2 | 2 | - | - | - | 1 | 6 | 49 |
| SOUTH ATLANTIC----- | 1 | 2 | 2 | 8 | 86 | 106 | 9 | 2 | 26 | 28 | 382 | 413 |
| Delaware----- | - | - | - | - | - | - | - | - | - | - | 4 | 8 |
| Maryland----- | - | - | - | - | 1 | - | 2 | - | 3 | 3 | 41 | 43 |
| District of Columbia----- | - | - | - | - | - | 1 | - | - | - | - | 8 | 7 |
| Virginia----- | 1 | - | - | - | 2 | 15 | 1 | - | 13 | 12 | 152 | 179 |
| West Virginia----- | - | - | - | - | 1 | 4 | - | - | - | 2 | 34 | 19 |
| North Carolina----- | - | 1 | 1 | - | 15 | 16 | 1 | - | 2 | - | 32 | 39 |
| South Carolina----- | - | - | - | 4 | 16 | 16 | - | - | - | 3 | 10 | 17 |
| Georgia----- | - | 1 | - | 3 | 17 | 23 | 4 | 2 | 5 | 7 | 45 | 49 |
| Florida----- | - | - | 1 | 1 | 34 | 31 | 1 | - | 3 | 1 | 56 | 52 |
| EAST SOUTH CENTRAL----- | - | 1 | 3 | 2 | 45 | 84 | 2 | 1 | 32 | 45 | 790 | 621 |
| Kentucky----- | - | - | 2 | - | 11 | 4 | - | - | 16 | 15 | 312 | 185 |
| Tennessee----- | - | - | - | - | 4 | 16 | 1 | 1 | 9 | 19 | 335 | 293 |
| Alabama----- | - | - | - | - | 17 | 45 | - | - | 5 | 4 | 83 | 58 |
| Mississippi----- | - | 1 | 1 | 2 | 13 | 19 | 1 | - | 2 | 7 | 60 | 85 |
| WEST SOUTH CENTRAL----- | 3 | 1 | 2 | 7 | 71 | 131 | - | 2 | 25 | 27 | 360 | 495 |
| Arkansas----- | - | - | - | - | 5 | 13 | - | - | 1 | 1 | 30 | 53 |
| Louisiana----- | 2 | 1 | - | 1 | 2 | 13 | - | - | 1 | 4 | 21 | 24 |
| Oklahoma----- | 1 | - | - | 1 | 11 | 39 | - | - | 3 | 5 | 54 | 31 |
| Texas----- | - | - | 2 | 5 | 53 | 66 | - | 2 | 20 | 17 | 255 | 387 |
| MOUNTAIN----- | - | 1 | - | - | 10 | 11 | - | - | 47 | 36 | 511 | 798 |
| Montana----- | - | - | - | - | 2 | - | - | - | 7 | 9 | 62 | 228 |
| Idaho----- | - | - | - | - | 1 | - | - | - | 2 | 2 | 30 | 98 |
| Wyoming----- | - | - | - | - | 1 | 2 | - | - | 4 | - | 14 | 40 |
| Colorado----- | - | - | - | - | 1 | 2 | - | - | 1 | 5 | 68 | 163 |
| New Mexico----- | - | - | - | - | 4 | 1 | - | - | 29 | 1 | 195 | 75 |
| Arizona----- | - | 1 | - | - | 1 | 5 | - | - | 3 | 18 | 100 | 166 |
| Utah----- | - | - | - | - | 1 | 1 | - | - | 1 | 1 | 22 | 26 |
| Nevada----- | - | - | - | - | - | - | - | - | - | - | 20 | 2 |
| PACIFIC----- | 1 | 2 | - | - | 5 | 24 | 10 | 6 | 64 | 51 | 930 | 1,126 |
| Washington----- | - | 1 | - | - | - | 2 | - | - | 6 | 8 | 145 | 249 |
| Oregon----- | - | - | - | - | 1 | 8 | - | 1 | 12 | 10 | 195 | 220 |
| California----- | 1 | 1 | - | - | 4 | 14 | 10 | 5 | 46 | 33 | 590 | 657 |
| Alaska----- | - | - | - | - | - | - | - | - | 4 | 1 | 29 | 25 |
| Hawaii----- | - | - | - | - | - | - | - | - | - | - | 12 | 15 |
| Puerto Rico----- | - | - | 2 | - | 11 | 15 | - | - | 3 | 3 | 32 | 70 |

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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 APRIL 7, 1956 AND APRIL 6, 1957—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1949)

| AREA | POLIOMYELITIS 080 | | | | | | | | MALARIA | | MEASLES | |
|---------------------------|--------------------|------|---------------------------|-------|-------------|------|--------------|------|---------|------|---------|--------|
| | Total ¹ | | | | Paralytic | | Nonparalytic | | 110-117 | | 085 | |
| | 14th week | | Cumulative first 14 weeks | | 080.0,080.1 | | 080.2 | | 110-117 | | 085 | |
| | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 |
| CONT. UNITED STATES----- | 33 | 67 | 560 | 1,134 | 18 | 36 | 10 | 19 | 3 | 5 | 20,674 | 25,249 |
| NEW ENGLAND----- | 1 | - | 5 | 35 | - | - | - | - | - | - | 1,272 | 249 |
| Maine----- | - | - | 1 | 7 | - | - | - | - | - | - | 167 | 11 |
| New Hampshire----- | - | - | - | 2 | - | - | - | - | - | - | 27 | 6 |
| Vermont----- | - | - | - | 7 | - | - | - | - | - | - | 215 | 20 |
| Massachusetts----- | - | - | 1 | 17 | - | - | - | - | - | - | 424 | 139 |
| Rhode Island----- | - | - | - | 2 | - | - | - | - | - | - | 15 | 5 |
| Connecticut----- | 1 | - | 3 | - | - | - | - | - | - | - | 424 | 68 |
| MIDDLE ATLANTIC----- | 1 | 5 | 20 | 79 | 1 | 3 | - | 1 | - | - | 3,331 | 4,186 |
| New York----- | 1 | 4 | 14 | 58 | 1 | 3 | - | 1 | - | - | 1,274 | 1,482 |
| New Jersey----- | - | - | 2 | 6 | - | - | - | - | - | - | 1,313 | 473 |
| Pennsylvania----- | - | 1 | 4 | 15 | - | - | - | - | - | - | 744 | 2,231 |
| EAST NORTH CENTRAL----- | 1 | 10 | 58 | 83 | 1 | 6 | - | 1 | - | - | 3,399 | 7,738 |
| Ohio----- | - | 2 | 10 | 20 | - | - | - | - | - | - | 362 | 1,814 |
| Indiana----- | - | - | 14 | 7 | - | - | - | - | - | - | 464 | 623 |
| Illinois----- | - | 3 | 7 | 14 | - | 1 | - | 1 | - | - | 406 | 2,209 |
| Michigan----- | 1 | 2 | 19 | 26 | 1 | 2 | - | - | - | - | 641 | 1,471 |
| Wisconsin----- | - | 3 | 8 | 16 | - | 3 | - | - | - | - | 1,526 | 1,421 |
| WEST NORTH CENTRAL----- | 3 | 1 | 55 | 52 | - | - | 1 | - | - | - | 1,370 | 964 |
| Minnesota----- | - | - | 2 | 8 | - | - | - | - | - | - | 797 | 15 |
| Iowa----- | 1 | - | 4 | 11 | - | - | 1 | - | - | - | 176 | 340 |
| Missouri----- | 1 | 1 | 15 | 15 | - | - | - | - | - | - | 189 | 204 |
| North Dakota----- | - | - | - | 2 | - | - | - | - | - | - | 178 | 80 |
| South Dakota----- | - | - | 2 | 8 | - | - | - | - | - | - | 24 | 9 |
| Nebraska----- | 1 | - | 21 | 2 | - | - | - | - | - | - | 6 | 87 |
| Kansas----- | - | - | 11 | 6 | - | - | - | - | - | - | - | 229 |
| SOUTH ATLANTIC----- | 5 | 1 | 69 | 92 | 2 | - | 1 | 1 | 2 | 1 | 1,000 | 3,510 |
| Delaware----- | - | - | 1 | 1 | - | - | - | - | - | - | 9 | 48 |
| Maryland----- | - | - | - | 4 | - | - | - | - | - | - | 19 | 549 |
| District of Columbia----- | - | - | - | - | - | - | - | - | - | - | 11 | 74 |
| Virginia----- | - | - | 8 | 4 | - | - | - | - | - | - | 185 | 1,250 |
| West Virginia----- | - | - | 4 | 3 | - | - | - | - | - | - | 122 | 508 |
| North Carolina----- | 2 | - | 12 | 23 | 1 | - | 1 | - | - | - | 118 | 391 |
| South Carolina----- | - | - | 22 | 7 | - | - | - | - | - | - | 128 | 623 |
| Georgia----- | 2 | - | 13 | 12 | 1 | - | - | - | 2 | - | 238 | 134 |
| Florida----- | 1 | 1 | 29 | 38 | - | - | - | 1 | - | 1 | 170 | 153 |
| EAST SOUTH CENTRAL----- | 5 | 1 | 39 | 46 | 4 | - | 1 | 1 | - | - | 1,940 | 2,015 |
| Kentucky----- | - | 1 | 2 | 19 | - | - | - | 1 | - | - | 676 | 748 |
| Tennessee----- | 1 | - | 9 | 7 | 1 | - | - | - | - | - | 737 | 822 |
| Alabama----- | 2 | - | 11 | 1 | 2 | - | - | - | - | - | 469 | 313 |
| Mississippi----- | 2 | - | 17 | 19 | 1 | - | 1 | - | - | - | 58 | 132 |
| WEST SOUTH CENTRAL----- | 7 | 22 | 126 | 244 | 5 | 15 | 2 | 5 | 1 | 3 | 2,375 | 4,776 |
| Arkansas----- | - | - | 6 | 9 | - | - | - | - | - | - | 13 | 400 |
| Louisiana----- | 1 | 4 | 23 | 35 | 1 | 4 | - | - | - | - | 172 | 36 |
| Oklahoma----- | - | 1 | 7 | 11 | - | - | - | - | 1 | - | 79 | 566 |
| Texas----- | 6 | 17 | 90 | 183 | 4 | 11 | 2 | 5 | - | 3 | 2,111 | 3,774 |
| MOUNTAIN----- | - | 6 | 41 | 70 | - | - | - | 1 | - | - | 1,845 | 1,659 |
| Montana----- | - | - | 2 | 4 | - | - | - | - | - | - | 22 | 340 |
| Idaho----- | - | - | 1 | 9 | - | - | - | - | - | - | 240 | 26 |
| Wyoming----- | - | - | 1 | 2 | - | - | - | - | - | - | 7 | 68 |
| Colorado----- | - | - | 7 | 6 | - | - | - | - | - | - | 127 | 596 |
| New Mexico----- | - | 1 | 3 | 3 | - | - | - | - | - | - | 273 | 164 |
| Arizona----- | - | 1 | 12 | 30 | - | - | - | 1 | - | - | 424 | 340 |
| Utah----- | - | 2 | 13 | 8 | - | - | - | - | - | - | 737 | 125 |
| Nevada----- | - | 2 | 2 | 8 | - | - | - | - | - | - | 15 | 2 |
| PACIFIC----- | 10 | 21 | 127 | 433 | 5 | 12 | 5 | 9 | - | 1 | 4,142 | 1,152 |
| Washington----- | 1 | - | 2 | 20 | 1 | - | - | - | - | - | 960 | 320 |
| Oregon----- | - | - | 12 | 27 | - | - | - | - | - | - | 416 | 44 |
| California----- | 9 | 21 | 113 | 386 | 4 | 12 | 5 | 9 | - | 1 | 2,766 | 788 |
| Alaska----- | - | - | 2 | 1 | - | - | - | - | - | - | 27 | 6 |
| Hawaii----- | - | - | 2 | 43 | - | - | - | - | - | - | 179 | 24 |
| Puerto Rico----- | - | - | 4 | 5 | - | - | - | - | - | - | 125 | 26 |

¹Includes cases not specified by type, category number 080.3.

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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 APRIL 7, 1956 AND APRIL 6, 1957—Continued

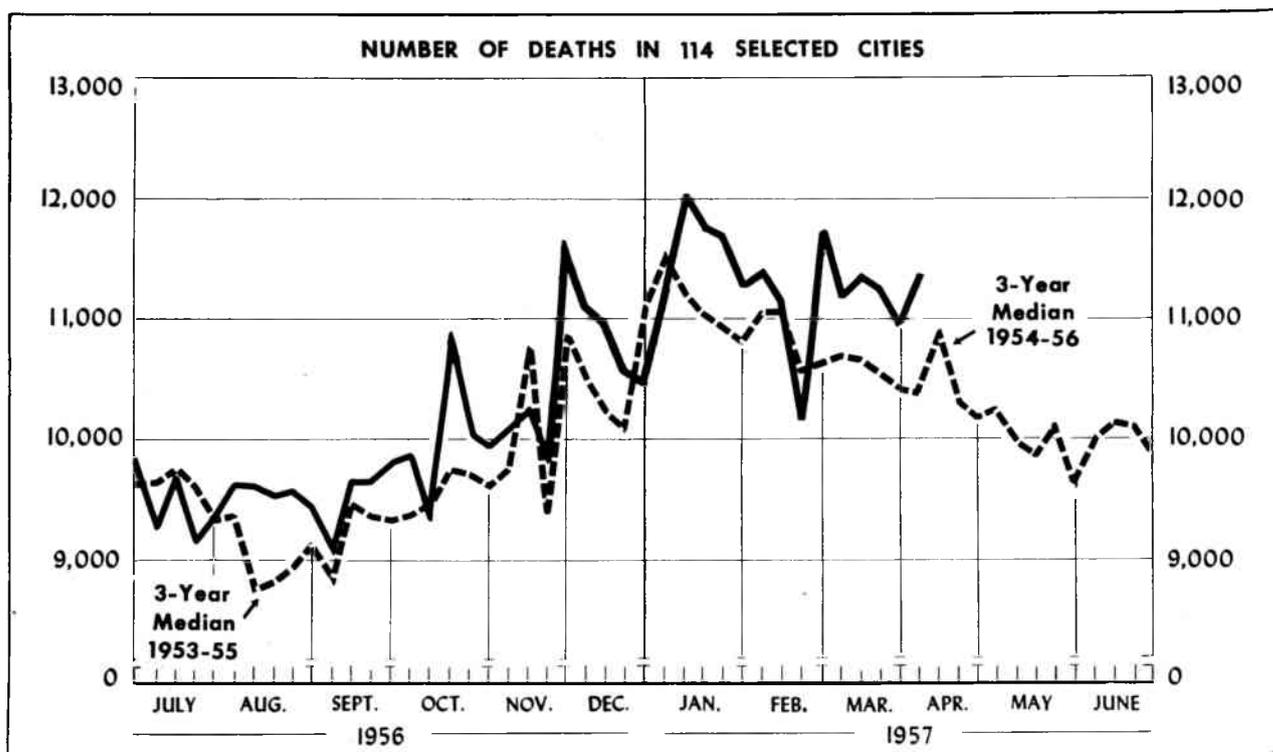
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

| AREA | MENINGOCOCCAL INFECTIONS | | MENINGITIS, OTHER | PSITTACOSIS | | TYPHOID FEVER 040 | | | | TYPHUS FEVER, ENDEMIC | RABIES IN ANIMALS | |
|---------------------------|--------------------------|------|-------------------|-------------|------|-------------------|------|---------------------------|------|-----------------------|-------------------|------|
| | 057 | | 340 | 096.2 | | 14th week | | Cumulative first 14 weeks | | 101 | | |
| | 1957 | 1956 | 1957 | 1957 | 1956 | 1957 | 1956 | 1957 | 1956 | 1957 | 1957 | 1956 |
| CONT. UNITED STATES----- | 51 | 49 | 37 | 3 | 7 | 17 | 42 | 274 | 354 | - | 99 | 142 |
| NEW ENGLAND----- | 2 | 5 | 3 | - | 1 | - | 3 | 11 | 16 | - | - | - |
| Maine----- | - | 2 | - | - | - | - | 3 | 1 | 9 | - | - | - |
| New Hampshire----- | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Vermont----- | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Massachusetts----- | 1 | 3 | 1 | - | 1 | - | - | 3 | 2 | - | - | - |
| Rhode Island----- | - | - | 2 | - | - | - | - | 4 | 1 | - | - | - |
| Connecticut----- | - | - | - | - | - | - | - | 2 | 4 | - | - | - |
| MIDDLE ATLANTIC----- | 11 | 8 | - | - | 1 | - | 5 | 31 | 48 | - | 8 | 13 |
| New York----- | 2 | 4 | - | - | - | - | 2 | 13 | 17 | - | 7 | 10 |
| New Jersey----- | - | 1 | - | - | - | - | - | 9 | 3 | - | - | - |
| Pennsylvania----- | 29 | 3 | - | - | 1 | - | 3 | 9 | 28 | - | 1 | 3 |
| EAST NORTH CENTRAL----- | 4 | 15 | 8 | 1 | 2 | 2 | 9 | 30 | 48 | - | 5 | 29 |
| Ohio----- | 2 | 6 | - | - | 2 | - | 2 | 14 | 12 | - | - | 4 |
| Indiana----- | 1 | 1 | 1 | - | - | 1 | 1 | 7 | 6 | - | 1 | 15 |
| Illinois----- | - | 3 | 6 | 1 | 2 | - | - | 2 | 5 | - | 3 | 10 |
| Michigan----- | 1 | 4 | 1 | - | - | - | 3 | 5 | 10 | - | - | - |
| Wisconsin----- | - | 1 | - | - | - | 1 | 3 | 2 | 15 | - | 1 | - |
| WEST NORTH CENTRAL----- | 6 | 5 | 1 | - | 1 | 3 | 6 | 25 | 56 | - | 21 | 20 |
| Minnesota----- | - | - | - | - | 1 | - | - | 2 | 24 | - | 7 | 2 |
| Iowa----- | - | - | - | - | - | 2 | 1 | 7 | 9 | - | 7 | 15 |
| Missouri----- | 1 | 1 | 1 | - | - | - | 3 | 10 | 11 | - | 5 | 3 |
| North Dakota----- | 1 | 3 | - | - | - | 1 | - | 1 | 4 | - | 1 | - |
| South Dakota----- | - | - | - | - | - | - | - | 3 | 2 | - | - | - |
| Nebraska----- | 4 | 1 | - | - | - | - | 2 | - | 6 | - | 1 | - |
| Kansas----- | - | - | - | - | - | - | - | 2 | - | - | - | - |
| SOUTH ATLANTIC----- | 7 | 5 | 5 | 1 | - | 3 | 3 | 58 | 52 | - | 22 | 24 |
| Delaware----- | - | - | - | - | - | - | - | - | 1 | - | - | 3 |
| Maryland----- | 1 | - | - | - | - | - | - | 1 | 2 | - | - | - |
| District of Columbia----- | - | - | - | - | - | - | - | 3 | 4 | - | - | - |
| Virginia----- | - | 2 | 2 | - | - | 1 | 1 | 13 | 3 | - | 8 | 8 |
| West Virginia----- | - | - | - | - | - | 1 | - | 10 | 6 | - | 2 | 4 |
| North Carolina----- | 2 | 1 | - | 1 | - | - | - | 8 | 10 | - | - | - |
| South Carolina----- | 1 | 1 | 1 | - | - | - | 1 | 2 | 8 | - | 3 | 8 |
| Georgia----- | - | - | 2 | - | - | 1 | 1 | 6 | 9 | - | 5 | 1 |
| Florida----- | 3 | 1 | - | - | - | - | - | 15 | 9 | - | 4 | - |
| EAST SOUTH CENTRAL----- | 1 | 2 | 6 | - | - | 5 | 2 | 46 | 36 | - | 22 | 24 |
| Kentucky----- | - | 1 | 3 | - | - | 3 | 1 | 12 | 7 | - | 16 | 7 |
| Tennessee----- | - | - | - | - | - | 2 | 1 | 19 | 20 | - | 2 | 2 |
| Alabama----- | 1 | 1 | - | - | - | - | - | 3 | 2 | - | 4 | 13 |
| Mississippi----- | - | - | 3 | - | - | - | - | 12 | 7 | - | - | 2 |
| WEST SOUTH CENTRAL----- | 7 | 3 | 11 | 1 | - | 2 | 7 | 43 | 56 | - | 18 | 27 |
| Arkansas----- | 1 | - | - | - | - | - | - | 8 | 9 | - | 2 | 6 |
| Louisiana----- | 1 | 1 | - | - | - | - | 2 | 7 | 9 | - | 6 | 8 |
| Oklahoma----- | 2 | - | 2 | - | - | 1 | 1 | 7 | 8 | - | 3 | - |
| Texas----- | 3 | 2 | 9 | 1 | - | 1 | 4 | 21 | 30 | - | 7 | 13 |
| MOUNTAIN----- | 3 | 2 | 2 | - | 1 | - | 3 | 13 | 12 | - | - | 1 |
| Montana----- | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - |
| Idaho----- | - | - | - | - | 1 | - | 1 | 1 | 1 | - | - | - |
| Wyoming----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Colorado----- | 2 | - | 1 | - | - | - | - | 2 | 3 | - | - | - |
| New Mexico----- | - | - | 1 | - | - | - | 1 | 6 | 5 | - | - | - |
| Arizona----- | - | 1 | - | - | - | - | 1 | 3 | 2 | - | - | 1 |
| Utah----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Nevada----- | - | - | - | - | - | - | - | - | 1 | - | - | - |
| PACIFIC----- | 10 | 4 | 1 | - | 1 | 2 | 4 | 17 | 30 | - | 3 | 4 |
| Washington----- | - | 1 | - | - | 1 | - | - | - | - | - | - | - |
| Oregon----- | 2 | - | 1 | - | - | 2 | 1 | 3 | 4 | - | - | - |
| California----- | 8 | 3 | - | - | - | - | 3 | 14 | 26 | - | 3 | 4 |
| Alaska----- | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Hawaii----- | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Puerto Rico----- | - | - | - | - | - | 1 | 1 | 10 | 14 | - | 3 | - |

²Includes delayed cases.

Symbol.—1 dash[-]: no cases reported.

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The chart shows the number of deaths reported for 114 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 DIVISIONS

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

| AREA | 14th week ended Apr. 6, 1957 | 13th week ended Mar. 30, 1957 | 14th week median 1954-56 | Percent change, median to current week | CUMULATIVE NUMBER FIRST 14 WEEKS | | |
|-------------------------------------|------------------------------|-------------------------------|--------------------------|--|----------------------------------|---------|----------------|
| | 1957 | 1956 | 1956 | | 1957 | 1956 | Percent change |
| TOTAL: 111 REPORTING CITIES----- | 10,245 | 10,191 | 9,630 | +6.4 | 146,707 | 143,849 | +2.0 |
| New England----- (14 cities) | 649 | 667 | 675 | -3.9 | 10,448 | 10,160 | +2.8 |
| Middle Atlantic----- (19 cities) | 3,182 | 3,130 | 3,202 | -0.6 | 45,537 | 45,330 | +0.5 |
| East North Central----- (18 cities) | 1,599 | 1,653 | 1,514 | +5.6 | 22,988 | 22,781 | +0.9 |
| West North Central----- (9 cities) | 788 | 818 | 713 | +10.5 | 11,147 | 10,310 | +2.2 |
| South Atlantic----- (10 cities) | 923 | 929 | 819 | +12.7 | 12,956 | 12,595 | +2.9 |
| East South Central----- (8 cities) | 532 | 516 | 482 | +10.4 | 7,063 | 6,987 | +1.1 |
| West South Central----- (13 cities) | 932 | 906 | 805 | +15.8 | 13,265 | 12,324 | +7.6 |
| Mountain----- (8 cities) | 256 | 259 | 250 | +2.4 | 3,855 | 3,617 | +6.6 |
| Pacific----- (12 cities) | 1,384 | 1,313 | 1,298 | +6.6 | 19,448 | 19,145 | +1.6 |

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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 Apr. 6, 1957 | 13th week ended Mar. 30, 1957 | CUMULATIVE NUMBER FIRST 14 WEEKS | | AREA | 14th week ended Apr. 6, 1957 | 13th week ended Mar. 30, 1957 | CUMULATIVE NUMBER FIRST 14 WEEKS | |
|---------------------------|---------------------------------|----------------------------------|----------------------------------|----------|--------------------------------|---------------------------------|----------------------------------|----------------------------------|-------|
| | | | 1957 | 1956 | | | | 1957 | 1956 |
| NEW ENGLAND | | | | | WEST NORTH CENTRAL—Con. | | | | |
| Boston, Mass.----- | 232 | 220 | 3,563 | 3,492 | St. Louis, Mo.----- | 243 | 255 | 3,475 | 3,614 |
| Bridgeport, Conn.----- | 34 | 28 | 546 | 524 | St. Paul, Minn.----- | 67 | 72 | 952 | 949 |
| Cambridge, Mass.----- | 33 | 28 | 451 | 461 | Wichita, Kans.----- | 39 | 47 | 647 | 571 |
| Fall River, Mass.----- | 23 | 37 | 397 | 410 | SOUTH ATLANTIC | | | | |
| Hartford, Conn.----- | 47 | 52 | 751 | 681 | Atlanta, Ga.----- | 116 | 121 | 1,655 | 1,631 |
| Lowell, Mass.----- | 26 | 24 | 389 | 344 | Baltimore, Md.----- | 247 | 263 | 3,515 | 3,413 |
| Lynn, Mass.----- | 20 | 9 | 309 | 298 | Charlotte, N. C.----- | 43 | 32 | 523 | 456 |
| New Bedford, Mass.----- | 23 | 22 | 395 | 352 | Jacksonville, Fla.----- | 62 | 45 | 808 | 779 |
| New Haven, Conn.----- | 45 | 35 | 672 | 734 | Miami, Fla.----- | 39 | 46 | 710 | 774 |
| Providence, R. I.----- | 61 | 63 | 922 | 922 | Norfolk, Va.----- | --- | (35) | --- | (504) |
| Somerville, Mass.----- | 10 | 14 | 195 | 228 | Richmond, Va.----- | 76 | 69 | 1,082 | 1,044 |
| Springfield, Mass.----- | 30 | 40 | 629 | 626 | Savannah, Ga.----- | 23 | 41 | 441 | 399 |
| Waterbury, Conn.----- | 21 | 31 | 374 | 361 | Tampa, Fla.----- | 66 | 82 | 962 | 875 |
| Worcester, Mass.----- | 44 | 64 | 655 | 727 | Washington, D. C.----- | 212 | 191 | 2,723 | 2,713 |
| MIDDLE ATLANTIC | | | | | Wilmington, Del.----- | 39 | 39 | 537 | 511 |
| Albany, N. Y.----- | 47 | 45 | 736 | 736 | EAST SOUTH CENTRAL | | | | |
| Allentown, Pa.----- | 29 | 40 | 538 | 546 | Birmingham, Ala.----- | 80 | 82 | 1,108 | 1,133 |
| Buffalo, N. Y.----- | 187 | 108 | 2,164 | 2,059 | Chattanooga, Tenn.----- | 57 | 37 | 687 | 606 |
| Camden, N. J.----- | 35 | 33 | 570 | 549 | Knoxville, Tenn.----- | 31 | 26 | 434 | 540 |
| Elizabeth, N. J.----- | --- | (38) | --- | (426) | Louisville, Ky.----- | 138 | 125 | 1,608 | 1,571 |
| Erie, Pa.----- | 28 | 34 | 496 | 501 | Memphis, Tenn.----- | 108 | 121 | 1,514 | 1,453 |
| Jersey City, N. J.----- | 62 | 79 | 1,041 | 1,111 | Mobile, Ala.----- | 39 | 35 | 487 | 461 |
| Newark, N. J.----- | 117 | 111 | 1,580 | 1,408 | Montgomery, Ala.----- | 21 | 17 | 329 | 414 |
| New York City, N. Y.----- | 1,582 | 1,572 | 23,146 | 22,910 | Nashville, Tenn.----- | 58 | 73 | 896 | 789 |
| Paterson, N. J.----- | 29 | 53 | 564 | 540 | WEST SOUTH CENTRAL | | | | |
| Philadelphia, Pa.----- | 573 | 561 | 7,089 | 7,177 | Austin, Tex.----- | 29 | 24 | 443 | 451 |
| Pittsburgh, Pa.----- | 174 | 163 | 2,602 | 2,778 | Baton Rouge, La.----- | 28 | 19 | 384 | 312 |
| Reading, Pa.----- | 22 | 18 | 340 | 312 | Corpus Christi, Tex.----- | 22 | 21 | 280 | 273 |
| Rochester, N. Y.----- | 84 | 97 | 1,390 | 1,432 | Dallas, Tex.----- | 107 | 111 | 1,613 | 1,489 |
| Schenectady, N. Y.----- | 25 | 17 | 317 | 334 | El Paso, Tex.----- | 26 | 27 | 417 | 401 |
| Scranton, Pa.----- | 30 | 36 | 552 | 482 | Fort Worth, Tex.----- | 60 | 69 | 883 | 862 |
| Syracuse, N. Y.----- | 55 | 56 | 828 | 875 | Houston, Tex.----- | 158 | 153 | 2,176 | 1,905 |
| Trenton, N. J.----- | 34 | 39 | 675 | 655 | Little Rock, Ark.----- | 53 | 43 | 804 | 687 |
| Utica, N. Y.----- | 38 | 36 | 467 | 453 | New Orleans, La.----- | 179 | 187 | 2,533 | 2,442 |
| Yonkers, N. Y.----- | 31 | 32 | 452 | 472 | Oklahoma City, Okla.----- | 76 | 68 | 924 | 915 |
| EAST NORTH CENTRAL | | | | | San Antonio, Tex.----- | 97 | 93 | 1,392 | 1,266 |
| Akron, Ohio----- | 59 | 58 | 781 | 754 | Shreveport, La.----- | 52 | 41 | 688 | 657 |
| Canton, Ohio----- | 31 | 33 | 453 | 385 | Tulsa, Okla.----- | 45 | 50 | 728 | 664 |
| Chicago, Ill.----- | --- | (772) | --- | (10,959) | MOUNTAIN | | | | |
| Cincinnati, Ohio----- | 158 | 147 | 2,277 | 2,334 | Albuquerque, N. Mex.----- | 21 | 17 | 342 | 340 |
| Cleveland, Ohio----- | 173 | 221 | 3,022 | 2,987 | Colorado Springs, Colo.----- | 13 | 14 | 199 | 202 |
| Columbus, Ohio----- | 96 | 125 | 1,597 | 1,611 | Denver, Colo.----- | 106 | 106 | 1,608 | 1,592 |
| Dayton, Ohio----- | 90 | 72 | 1,085 | 972 | Ogden, Utah----- | 8 | 14 | 178 | 180 |
| Detroit, Mich.----- | 351 | 344 | 4,757 | 4,739 | Phoenix, Ariz.----- | 31 | 35 | 443 | 396 |
| Evansville, Ind.----- | 42 | 34 | 442 | 507 | Pueblo, Colo.----- | 20 | 9 | 191 | 180 |
| Flint, Mich.----- | 40 | 49 | 552 | 531 | Salt Lake City, Utah----- | 40 | 34 | 596 | 647 |
| Fort Wayne, Ind.----- | 29 | 36 | 501 | 528 | Tucson, Ariz.----- | 17 | 30 | 298 | 80 |
| Gary, Ind.----- | 18 | 23 | 404 | 406 | PACIFIC | | | | |
| Grand Rapids, Mich.----- | 36 | 33 | 560 | 614 | Berkeley, Calif.----- | 19 | 14 | 279 | 275 |
| Indianapolis, Ind.----- | 129 | 141 | 1,749 | 1,683 | Long Beach, Calif.----- | 54 | 58 | 815 | 749 |
| Milwaukee, Wis.----- | 142 | 135 | 1,859 | 1,783 | Los Angeles, Calif.----- | 529 | 508 | 7,131 | 7,171 |
| Peoria, Ill.----- | 32 | 32 | 419 | 390 | Oakland, Calif.----- | 75 | 95 | 1,386 | 1,336 |
| South Bend, Ind.----- | 31 | 20 | 359 | 344 | Pasadena, Calif.----- | 42 | 36 | 547 | 547 |
| Toledo, Ohio----- | 91 | 92 | 1,345 | 1,406 | Portland, Oreg.----- | 91 | 76 | 1,379 | 1,404 |
| Youngstown, Ohio----- | 51 | 58 | 826 | 807 | Sacramento, Calif.----- | 46 | 57 | 758 | 717 |
| WEST NORTH CENTRAL | | | | | San Diego, Calif.----- | 79 | 70 | 1,171 | 1,060 |
| Des Moines, Iowa----- | 56 | 61 | 776 | 736 | San Francisco, Calif.----- | 202 | 204 | 2,852 | 2,911 |
| Duluth, Minn.----- | 27 | 28 | 376 | 355 | Seattle, Wash.----- | 160 | 116 | 1,912 | 1,803 |
| Kansas City, Kans.----- | 34 | 31 | 452 | 431 | Spokane, Wash.----- | 50 | 39 | 649 | 649 |
| Kansas City, Mo.----- | 128 | 126 | 1,682 | 1,544 | Tacoma, Wash.----- | 37 | 40 | 569 | 523 |
| Minneapolis, Minn.----- | 118 | 111 | 1,755 | 1,767 | Honolulu, Hawaii----- | (44) | (32) | (586) | (499) |
| Omaha, Nebr.----- | 76 | 87 | 1,032 | 943 | | | | | |

Symbols.—parentheses [()] : data not included in table 3; 3 dashes [---] : data not available.

Morbidity and Mortality Weekly Report

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, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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