

Morbidity and Mortality

Weekly
Report



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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 October 16, 1954

The number (1,152) of whooping cough cases reported for the current week exceeds the number (644) for the corresponding week of 1953 by almost 80 percent. For the current week large numbers of cases were reported in the East North Central Division (297 cases), Middle Atlantic (213), and Pacific (152). Since the first of the year, 24,449 cases have been reported in these 3 divisions. This represents about 90 percent of the 46,105 cases reported for the country as a whole. In 1953, the cumulative total for the first 41 weeks was 28,672. Large numbers of cases of whooping cough were reported in the Middle Atlantic and East North Central Divisions in 1953, but the incidence of the disease was low in the Pacific Division.

For the current week a total of 1,651 cases of poliomyelitis was reported as compared with 1,756 (corrected figure) for the previous week. Substantial decreases in the incidence of the disease were reported in most States. However, Florida has continued to report a large number of poliomyelitis cases, 202 for the current week. An investigation of the cases in Leon County is under way, but no information is as yet available on the type of disease prevalent. Three deaths from poliomyelitis were reported, none of them from Leon County.

The cumulative total reported cases of poliomyelitis for the year to date is 31,700 as compared with 30,355 for the corresponding period of 1953. The corresponding total for 1952 was 47,493.

Two unrelated outbreaks suspected to be botulism were reported in California. In one (3 suspect cases), the probable source was home canned okra. In the other (4 suspect cases), the source has not yet been determined.

The Communicable Disease Center, Atlanta, Georgia, has summarized findings of malaria cases reported in 1954. During the period January through August a total of 484 cases was reported, 211 in military personnel and 273 in civilians. The States reporting the largest number of cases (civilian and military) in 1954 have been Texas, Kentucky, California, North Carolina, and Georgia. Five other States have reported more than 10 cases. In the same period of 1953 there were 995 cases, and in 1952 there were 6,030. Of 66 civilian cases investigated for source of infection in 1954, 54 were considered as confirmed (4 were of local origin and 50 of foreign origin). In 1953, 261 cases were investigated; and of these, 197 were confirmed (28 of local origin and 169 of foreign). Most of the cases occurring in the United States at the present time are found to be either in servicemen or ex-servicemen who apparently acquired their infection in Korea. Some cases have occurred in civilians who had been in malarious areas of Asia, Africa, West Indies, and other countries. One outbreak of malaria in 1952-53 occurred in campfire girls in California. A few sporadic indigenous cases of malaria have also been reported and confirmed. So far in 1954, only 4 indigenous cases have been confirmed. These occurred in Arizona, and information on the cases was summarized under epidemiological reports for the week ended September 18, 1954.

EPIDEMIOLOGICAL REPORTS

Psittacosis

The California Department of Public Health, reports 2 cases of psittacosis in a man and his sister who operate a private

aviary having approximately 150 psittacine birds. The sister became ill with chills and fever. A chest X-ray taken later showed a diffuse pulmonary disease with a nodular pattern throughout both lung fields. Five days later the brother became ill with a severe headache and malaise. Later he developed a moderate nonproductive cough. A chest X-ray showed pneumonitis, and the complement fixation test was positive for psittacosis in a dilution of 1:128. A blood specimen from the sister was also positive, 1:128. One sick parakeet from the aviary was positive for the disease on animal inoculation.

Anthrax in animals

According to the monthly report from the Department of Agriculture for September, a total of 25 outbreaks of anthrax in animals occurred in 9 States. Of these, 16 were in Louisiana where 200 cattle and 1 horse were lost as a result of infected soil. Most of the outbreaks and the greatest losses in this State were in one county in the southeastern part. In the other States 17 cattle, 3 horses, and 1 hog were lost. Infected soil was responsible for all but one of the outbreaks, and for this one the source of infection was not determined. (An extension of the disease has also been reported recently in Louisiana.)

Infectious hepatitis

Dr. U. P. Kokko, Kentucky Department of Health, gives additional information on the outbreak of infectious hepatitis reported for the week ended August 21, 1954. The outbreak has subsided, but sporadic cases are still being reported. To date a total of 190 cases has been reported in an area which is predominantly rural. There have been no geographical or institutional focuses. However, the attack rate was lower among the rural population than among the urban population. One significant feature of this outbreak is that a rather high incidence has been reported among the older age groups. No common source has been determined, and the disease is believed to have been spread by person to person contact.

The New York State Department of Health reports 2 outbreaks of infectious hepatitis in different elementary schools. Eleven cases were associated with one school, and 4 first grade pupils developed the disease in the other school. Gamma globulin was given, and no additional cases have been reported.

Diarrhea of the newborn

The New York State Department of Health reports 3 cases of mild diarrhea of the newborn in a hospital. In addition, there were 4 suspect cases. The etiology is unknown, but studies are being made in an attempt to identify it.

Chemical poisoning

Dr. Tartakow, County Health Officer in New York State, reports an outbreak involving 12 persons who drank a common beverage. The symptoms were sudden onset of nausea, abdominal pain, and prostration; 3 had cyanosis, and 4 had burning in the throat. Four additional persons who tasted the beverage also became ill. Laboratory examination revealed that the drink contained a large quantity of arsenic. The source was believed to be criminal sabotage by using fluid from a nearby drum which contained arsenic.

Gastro-enteritis

The Los Angeles City Health Department reports an outbreak of gastro-enteritis following a ham dinner at a church. Of 430 persons eating the meal, 46 became ill with vomiting, diarrhea, cold sweating, and muscle cramps from 2 to 7 hours later. The canned hams were opened the day before the dinner, cooked for 3 hours, and left overnight at room temperature. Scalloped potatoes were also prepared the previous day and left overnight at room temperature. Laboratory examination of the foods served at the dinner showed the ham and potatoes to be contaminated with *Staphylococcus aureus*.

The California Department of Public Health reports an outbreak of gastro-enteritis among persons in a labor camp. Thirty of approximately 48 persons became ill with nausea, vomiting, and diarrhea after eating a noon meal in the field. The meal consisted of fried potatoes, beef tacos, and bean tacos. The food was allowed to stand with little or no refrigeration for about 3 hours. None of the food was available for laboratory

examination.

The California Department of Public Health also reports 3 small outbreaks of gastro-enteritis—1 in a hospital ward and 2 in private households. Two persons in the hospital became ill with nausea, vomiting, and diarrhea about 6 hours after eating ham which had been brought in by one of the patient's daughters. Both patients ate some of the meat in the afternoon and, unknown to the nursing staff, saved some in the bedside table until the next morning when they ate more of the food. Laboratory examination of the ham revealed the presence of coagulase positive *Staphylococcus aureus*. In one private household, 4 of 6 persons became ill about 24 hours after eating roast lamb. Laboratory examination revealed no pathogenic organisms in the meat. In the other household, 2 persons became ill from 3 to 4 hours after eating lunch. Scallops were suspected to be the vehicle of infection, but no food was available for bacteriological examination.

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 | 41st week | | | CUMULATIVE NUMBER | | | | | | Approximate seasonal low point |
|---|------------------------|------------------------|----------------|-------------------|---------|----------------|-------------------------|---------|---------------------------|--------------------------------|
| | Ended October 16, 1954 | Ended October 17, 1953 | Median 1949-53 | First 41 weeks | | | Since seasonal low week | | | |
| | | | | 1954 | 1953 | Median 1949-53 | 1953-54 | 1952-53 | Median 1948-49 to 1952-53 | |
| Anthrax-----062 | 1 | 1 | 1 | 18 | 25 | 36 | (2) | (2) | (2) | (2) |
| Botulism-----049.1 | - | - | - | 10 | 15 | --- | (2) | (2) | (2) | (2) |
| Brucellosis (undulant fever)-----044 | 19 | 37 | --- | 1,347 | 1,459 | --- | (2) | (2) | (2) | (2) |
| Diphtheria-----055 | 61 | 71 | 118 | 1,419 | 1,676 | 2,969 | 547 | 624 | 999 | July 1 |
| Encephalitis, infectious-----082 | 70 | 15 | 19 | 1,588 | 915 | 835 | (2) | (2) | (2) | (2) |
| Hepatitis, infectious, and serum-----092,N998.5 pt. | 613 | 647 | --- | 41,801 | 25,770 | --- | (2) | (2) | (2) | (2) |
| Malaria-----110-117 | 22 | 29 | --- | 602 | 1,268 | --- | (2) | (2) | (2) | (2) |
| Measles-----085 | 1,351 | 1,145 | 812 | 635,973 | 416,383 | 474,745 | 8,145 | 5,705 | 4,618 | Sept. 1 |
| Meningococcal infections-----057 | 61 | 64 | 64 | 3,377 | 4,172 | 3,270 | 361 | 407 | 351 | Sept. 1 |
| Polio-myelitis-----080 | 1,651 | 1,169 | 1,204 | 31,700 | 30,355 | 30,355 | 30,147 | 28,774 | 28,774 | Apr. 1 |
| Psittacosis-----096.2 | - | - | - | 409 | 43 | --- | (2) | (2) | (2) | (2) |
| Rabies in man-----094 | - | - | - | 5 | 10 | 9 | (2) | (2) | (2) | (2) |
| Rocky Mountain spotted fever-----104A | 7 | 3 | 6 | 272 | 280 | 311 | (2) | (2) | (2) | (2) |
| Scarlet fever and streptococcal sore throat-----050,051 | 1,401 | 1,175 | 790 | 121,727 | 110,412 | 61,544 | 13,986 | 10,805 | 4,364 | Aug. 1 |
| Smallpox-----084 | - | - | - | - | 4 | 14 | (2) | (2) | (2) | (2) |
| Trichiniasis-----128 | 3 | 2 | --- | 201 | 316 | --- | (2) | (2) | (2) | (2) |
| Tularemia-----059 | 14 | 11 | 11 | 480 | 443 | 536 | (2) | (2) | (2) | (2) |
| Typhoid fever-----040 | 56 | 39 | 56 | 1,860 | 1,880 | 2,053 | 1,450 | 1,575 | 1,640 | Apr. 1 |
| Typhus fever, endemic-----101 | 2 | 4 | --- | 158 | 205 | --- | 124 | 165 | --- | Apr. 1 |
| Whooping cough-----056 | 1,152 | 644 | 832 | 46,105 | 28,672 | 49,411 | 2,344 | 1,453 | 1,683 | Oct. 1 |
| Rabies in animals----- | 108 | 142 | --- | 5,622 | 5,879 | --- | (2) | (2) | (2) | (2) |

¹Reported in Illinois.

²Information not available or frequencies are too small.

³Deductions: North Carolina, week ended August 28, 1 case; Virginia, week ended October 9, 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 Territory and of one possession. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, psittacosis, 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 OCTOBER 17, 1953, AND OCTOBER 16, 1954

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

| AREA | BRUCELLOSIS (UNDULANT FEVER) (044) | | DIPHTHERIA (055) | | ENCEPHALITIS, INFECTIOUS (082) | | HEPATITIS, INFECTIOUS, AND SERUM (092,N998.5 pt.) | | MALARIA (110-117) | | | |
|---------------------------|---|------|---------------------|------|--------------------------------------|------|--|------|-----------------------|------|----------|------|
| | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | Civilian ¹ | | Military | |
| | | | | | | | | | 1954 | 1953 | 1954 | 1953 |
| CONT. UNITED STATES----- | 19 | 37 | 61 | 71 | 70 | 15 | 613 | 647 | 20 | 9 | 2 | 20 |
| NEW ENGLAND----- | - | - | 2 | 2 | - | - | 59 | 25 | 2 | - | - | 3 |
| Maine----- | - | - | - | - | - | - | 14 | 7 | - | - | - | - |
| New Hampshire----- | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Vermont----- | - | - | - | - | - | - | 4 | 1 | - | - | - | - |
| Massachusetts----- | - | - | 2 | 2 | - | - | 15 | 11 | - | - | - | 3 |
| Rhode Island----- | - | - | - | - | - | - | 12 | 2 | - | - | - | - |
| Connecticut----- | - | - | - | - | - | - | 14 | 3 | 2 | - | - | - |
| MIDDLE ATLANTIC----- | - | 2 | 1 | 1 | 2 | 3 | 158 | 107 | 2 | - | - | - |
| New York----- | - | 2 | 1 | 1 | 1 | 3 | 83 | 65 | - | - | - | - |
| New Jersey----- | - | - | - | - | 1 | - | 8 | 7 | 2 | - | - | - |
| Pennsylvania----- | - | - | - | - | - | - | 67 | 35 | - | - | - | - |
| EAST NORTH CENTRAL----- | 5 | 14 | 8 | 6 | 2 | 5 | 71 | 75 | - | - | - | 1 |
| Ohio----- | - | - | - | 3 | - | - | 11 | 11 | - | - | - | - |
| Indiana----- | - | - | 3 | 3 | 1 | 2 | 4 | 23 | - | - | - | - |
| Illinois----- | 3 | 8 | - | - | 1 | 1 | 33 | 18 | - | - | - | 1 |
| Michigan----- | 2 | 6 | 4 | - | - | 1 | 18 | 13 | - | - | - | - |
| Wisconsin----- | - | - | 1 | - | - | 1 | 5 | 10 | - | - | - | - |
| WEST NORTH CENTRAL----- | 13 | 8 | 4 | 8 | 23 | 3 | 80 | 56 | 1 | 1 | - | - |
| Minnesota----- | 4 | 3 | - | 6 | 1 | - | 42 | 21 | - | - | - | - |
| Iowa----- | 5 | 3 | - | - | - | - | 29 | 25 | - | 1 | - | - |
| Missouri----- | 2 | - | 1 | 1 | - | - | 5 | 2 | - | - | - | - |
| North Dakota----- | 1 | - | - | - | - | 1 | - | 2 | - | - | - | - |
| South Dakota----- | - | - | - | - | 1 | 2 | - | 4 | - | - | - | - |
| Nebraska----- | - | - | 3 | - | 2 | - | 1 | 2 | - | - | - | - |
| Kansas----- | 1 | 2 | - | 1 | 19 | - | 3 | - | 1 | - | - | - |
| SOUTH ATLANTIC----- | 1 | 2 | 20 | 32 | 5 | 1 | 49 | 160 | 1 | - | 1 | 10 |
| Delaware----- | - | - | - | - | - | - | 1 | - | - | - | - | - |
| Maryland----- | - | 1 | - | - | - | - | 2 | 12 | - | - | - | 1 |
| District of Columbia----- | - | - | - | - | - | - | 1 | - | - | - | - | - |
| Virginia----- | 1 | 1 | - | 3 | 1 | - | 30 | 34 | - | - | - | 1 |
| West Virginia----- | - | - | 1 | - | - | 1 | 2 | 8 | - | - | - | - |
| North Carolina----- | - | - | 5 | 4 | - | - | 7 | 62 | - | - | - | 4 |
| South Carolina----- | - | - | 5 | 2 | - | - | - | - | - | - | - | - |
| Georgia----- | - | - | 8 | 18 | 1 | - | 4 | 39 | - | - | - | 4 |
| Florida----- | - | - | 1 | 5 | 3 | - | 2 | 5 | 1 | - | 1 | - |
| EAST SOUTH CENTRAL----- | - | 1 | 6 | 14 | - | - | 35 | 94 | - | - | - | - |
| Kentucky----- | - | - | 1 | - | - | - | 11 | 8 | - | - | - | - |
| Tennessee----- | - | - | - | 1 | - | - | 10 | 6 | - | - | - | - |
| Alabama----- | - | 1 | 3 | 7 | - | - | 7 | 12 | - | - | - | - |
| Mississippi----- | - | - | 2 | 6 | - | - | 7 | 68 | - | - | - | - |
| WEST SOUTH CENTRAL----- | - | 9 | 18 | 8 | 6 | 2 | 54 | 20 | 11 | 5 | - | - |
| Arkansas----- | - | 1 | - | - | - | - | 5 | 4 | - | - | - | - |
| Louisiana----- | - | 1 | 17 | 1 | - | - | 16 | - | - | - | - | - |
| Oklahoma----- | - | - | - | - | - | - | 3 | 1 | - | - | - | - |
| Texas----- | - | 7 | 1 | 7 | 6 | 2 | 30 | 15 | 11 | 5 | - | - |
| MOUNTAIN----- | - | 1 | 1 | - | 7 | - | 39 | 32 | - | - | - | - |
| Montana----- | - | - | - | - | 3 | - | 7 | - | - | - | - | - |
| Idaho----- | - | - | - | - | - | - | 5 | 21 | - | - | - | - |
| Wyoming----- | - | 1 | 1 | - | - | - | 1 | - | - | - | - | - |
| Colorado----- | - | - | - | - | - | - | 5 | 7 | - | - | - | - |
| New Mexico----- | - | - | - | - | 1 | - | 10 | 1 | - | - | - | - |
| Arizona----- | - | - | - | - | 3 | - | 11 | 3 | - | - | - | - |
| Utah----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Nevada----- | - | - | - | - | - | - | - | - | - | - | - | - |
| PACIFIC----- | - | - | 1 | - | 25 | 1 | 68 | 78 | 3 | 3 | 1 | 6 |
| Washington----- | - | - | - | - | - | - | 15 | 21 | - | - | - | 4 |
| Oregon----- | - | - | - | - | - | - | 27 | 19 | - | - | - | - |
| California----- | - | - | 1 | - | 25 | 1 | 26 | 38 | - | - | 1 | 2 |
| Alaska----- | - | - | - | - | - | - | - | - | - | - | - | - |
| Hawaii----- | - | - | - | - | - | - | 1 | 1 | - | - | - | 3 |
| Puerto Rico----- | - | - | 2 | - | - | - | - | - | - | - | - | - |

¹Includes cases not specified as civilian or military.

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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 OCTOBER 17, 1953, AND OCTOBER 16, 1954—Continued

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

| AREA | MEASLES | | MENINGO- COCCAL INFECTIONS | | POLIOMYELITIS (080) | | | | | | ROCKY MOUNTAIN SPOTTED FEVER | |
|---------------------------|---------|-------|----------------------------------|------|---------------------|-------|----------------------------|------|-------------------------|------|---------------------------------|------|
| | (085) | | (057) | | Total ² | | Paralytic (080.0,080.1) | | Nonparalytic (080.2) | | (104A) | |
| | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 |
| CONT. UNITED STATES----- | 1,351 | 1,145 | 61 | 64 | 1,651 | 1,169 | 713 | 421 | 385 | 266 | 7 | 3 |
| NEW ENGLAND----- | 304 | 44 | 2 | 1 | 97 | 83 | 18 | 40 | 41 | 19 | 1 | - |
| Maine----- | 9 | 34 | - | - | 8 | 14 | 5 | 10 | 2 | 4 | - | - |
| New Hampshire----- | 39 | - | - | - | 3 | - | - | - | - | - | 1 | - |
| Vermont----- | 73 | 2 | - | - | 5 | 8 | 2 | 2 | 2 | 2 | - | - |
| Massachusetts----- | 153 | 8 | 1 | 1 | 58 | 29 | 9 | 12 | 31 | 7 | - | - |
| Rhode Island----- | 2 | - | 1 | - | 9 | 16 | - | 11 | - | - | - | - |
| Connecticut----- | 28 | - | - | - | 14 | 16 | 2 | 5 | 6 | 6 | - | - |
| MIDDLE ATLANTIC----- | 270 | 244 | 11 | 17 | 246 | 233 | 71 | 61 | 37 | 19 | - | - |
| New York----- | 159 | 62 | 4 | 6 | 116 | 128 | 39 | 30 | 26 | 9 | - | - |
| New Jersey----- | 74 | 32 | 2 | 1 | 47 | 41 | 32 | 31 | 11 | 10 | - | - |
| Pennsylvania----- | 37 | 150 | 5 | 10 | 83 | 64 | - | - | - | - | - | - |
| EAST NORTH CENTRAL----- | 207 | 178 | 13 | 18 | 352 | 290 | 129 | 81 | 79 | 71 | 2 | 1 |
| Ohio----- | 28 | 23 | 4 | 5 | 120 | 94 | 33 | 16 | 22 | 17 | - | 1 |
| Indiana----- | 7 | 22 | 3 | 5 | 35 | 17 | 7 | - | 2 | - | - | - |
| Illinois----- | 38 | 40 | 2 | 3 | 80 | 75 | 41 | 29 | 30 | 16 | 2 | - |
| Michigan----- | 98 | 39 | 3 | 3 | 75 | 85 | 35 | 36 | 21 | 38 | - | - |
| Wisconsin----- | 36 | 54 | 1 | 2 | 42 | 19 | 13 | - | 4 | - | - | - |
| WEST NORTH CENTRAL----- | 101 | 56 | 4 | 1 | 177 | 135 | 62 | 35 | 51 | 23 | - | - |
| Minnesota----- | 29 | 2 | 2 | 1 | 21 | 49 | 8 | 14 | 3 | 11 | - | - |
| Iowa----- | 15 | 36 | - | - | 75 | 14 | 30 | 4 | 33 | 6 | - | - |
| Missouri----- | 2 | 2 | - | - | 28 | 36 | 8 | 12 | 6 | 3 | - | - |
| North Dakota----- | 20 | 7 | 1 | - | 4 | 8 | - | 2 | 1 | - | - | - |
| South Dakota----- | 28 | - | - | - | 2 | 8 | - | - | - | - | - | - |
| Nebraska----- | 3 | 4 | - | - | 19 | 5 | 8 | 3 | 3 | 2 | - | - |
| Kansas----- | 4 | 5 | 1 | - | 28 | 15 | 8 | - | 5 | 1 | - | - |
| SOUTH ATLANTIC----- | 69 | 65 | 10 | 7 | 342 | 151 | 232 | 70 | 42 | 44 | 4 | 2 |
| Delaware----- | 2 | 2 | - | - | 8 | 1 | 5 | - | 3 | 1 | - | - |
| Maryland----- | 5 | 4 | 2 | 1 | 10 | 13 | 8 | 8 | 2 | 5 | - | - |
| District of Columbia----- | - | - | - | - | 4 | 2 | 1 | 1 | - | 1 | - | - |
| Virginia----- | 22 | 9 | 1 | 1 | 26 | 29 | 12 | 20 | 12 | 8 | 1 | 2 |
| West Virginia----- | 14 | 17 | 1 | 1 | 24 | 19 | 11 | 10 | 5 | 3 | - | - |
| North Carolina----- | 2 | 7 | 4 | 1 | 25 | 13 | 15 | 6 | 3 | 3 | 1 | - |
| South Carolina----- | 3 | - | - | - | 13 | 7 | 9 | 1 | 2 | 1 | - | - |
| Georgia----- | 8 | 10 | 1 | 2 | 30 | 19 | 11 | 8 | 2 | 4 | 2 | - |
| Florida----- | 13 | 16 | 1 | 1 | 202 | 48 | 160 | 16 | 13 | 18 | - | - |
| EAST SOUTH CENTRAL----- | 51 | 46 | 7 | 6 | 83 | 28 | 33 | 14 | 14 | 8 | - | - |
| Kentucky----- | 15 | - | 1 | - | 34 | 7 | 20 | 6 | 7 | 1 | - | - |
| Tennessee----- | 14 | 40 | 3 | 1 | 23 | 11 | 7 | 3 | 2 | 3 | - | - |
| Alabama----- | 13 | 2 | 2 | 3 | 8 | 8 | 2 | 5 | 4 | 3 | - | - |
| Mississippi----- | 9 | 4 | 1 | 2 | 18 | 2 | 4 | - | 1 | 1 | - | - |
| WEST SOUTH CENTRAL----- | 125 | 80 | 9 | 3 | 104 | 44 | 57 | 20 | 26 | 12 | - | - |
| Arkansas----- | 4 | 1 | 1 | - | 11 | 6 | 10 | 4 | - | 1 | - | - |
| Louisiana----- | - | 7 | 1 | - | 9 | 2 | 7 | 2 | 2 | - | - | - |
| Oklahoma----- | 3 | - | 1 | - | 10 | 8 | 1 | 4 | 3 | - | - | - |
| Texas----- | 118 | 72 | 6 | 3 | 74 | 28 | 39 | 10 | 21 | 11 | - | - |
| MOUNTAIN----- | 51 | 207 | 1 | 1 | 69 | 25 | 11 | 10 | 19 | 3 | - | - |
| Montana----- | 3 | 109 | 1 | - | 9 | 5 | 2 | 3 | 1 | 2 | - | - |
| Idaho----- | 4 | 12 | - | - | 6 | 1 | - | - | - | - | - | - |
| Wyoming----- | 1 | 3 | - | - | 12 | 1 | 2 | 1 | 1 | - | - | - |
| Colorado----- | 12 | 21 | - | 1 | 15 | 5 | 5 | 4 | 6 | - | - | - |
| New Mexico----- | 10 | 12 | - | - | 8 | 3 | 2 | - | 6 | - | - | - |
| Arizona----- | 18 | 1 | - | - | 7 | 4 | - | 2 | 5 | 1 | - | - |
| Utah----- | 3 | 48 | - | - | 11 | 6 | - | - | - | - | - | - |
| Nevada----- | - | 1 | - | - | 1 | - | - | - | - | - | - | - |
| PACIFIC----- | 173 | 225 | 4 | 10 | 181 | 180 | 100 | 90 | 76 | 67 | - | - |
| Washington----- | 58 | 68 | 1 | 3 | 18 | 19 | 10 | - | 4 | - | - | - |
| Oregon----- | 14 | 32 | - | 1 | 15 | 17 | 11 | 12 | 3 | 3 | - | - |
| California----- | 101 | 125 | 3 | 6 | 148 | 144 | 79 | 78 | 69 | 64 | - | - |
| Alaska----- | 1 | 40 | 1 | - | 5 | - | 2 | - | 3 | - | - | - |
| Hawaii----- | 13 | - | 1 | 2 | 1 | 2 | 1 | 2 | - | - | - | - |
| Puerto Rico----- | 61 | 30 | - | - | 1 | 1 | 1 | 1 | - | - | - | - |

²Includes cases not specified by type, category number (080.3).

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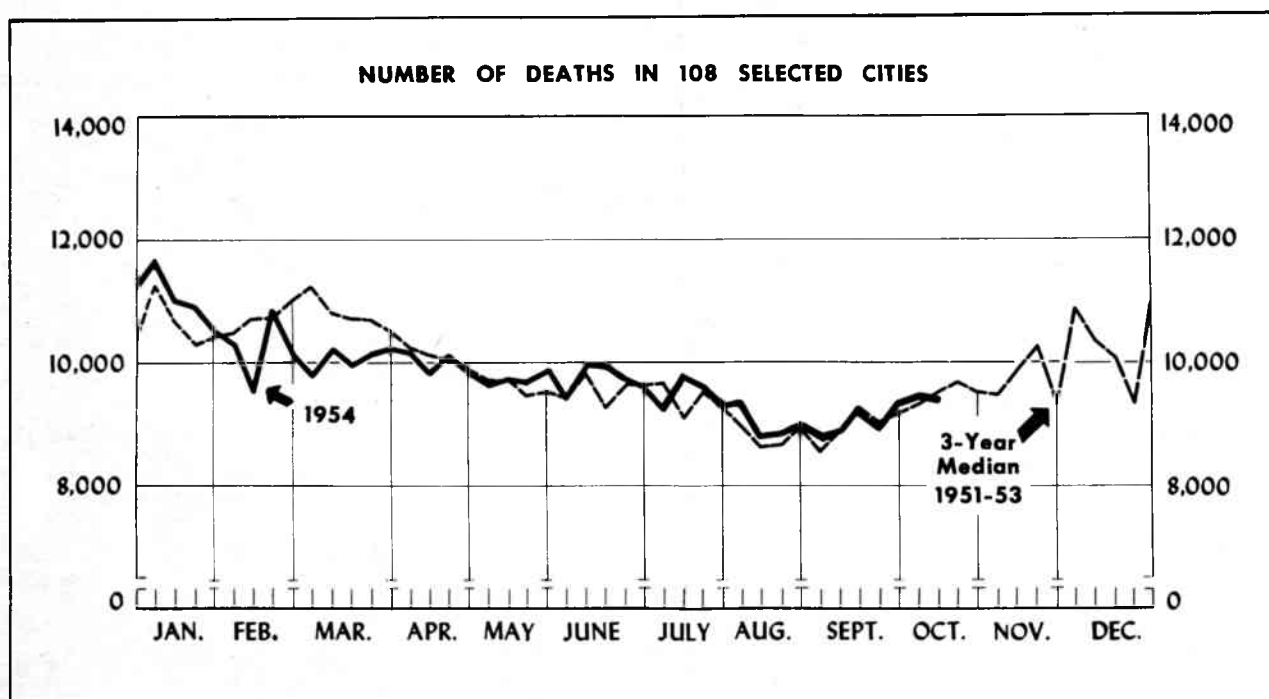
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 17, 1953, AND OCTOBER 16, 1954—Continued

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

| AREA | SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050, 051) | | TRICH- INIASIS (128) | TULAREMIA (059) | | TYPHOID FEVER (040) | | TYPHUS FEVER, ENDEMIC (101) | WHOOPING COUGH (056) | | RABIES IN ANIMALS | |
|---------------------------|---|-------|----------------------------|--------------------|------|---------------------------|-----------------|--------------------------------------|----------------------------|------|----------------------|----------------|
| | 1954 | 1953 | 1954 | 1954 | 1953 | 1954 | 1953 | 1954 | 1954 | 1953 | 1954 | 1953 |
| CONT. UNITED STATES----- | 1,401 | 1,175 | 3 | 14 | 11 | 56 | 39 | 2 | 1,152 | 644 | 108 | 142 |
| NEW ENGLAND----- | 58 | 71 | - | - | - | 1 | - | - | 112 | 78 | - | - |
| Maine----- | 11 | 12 | - | - | - | - | - | - | 10 | 2 | - | - |
| New Hampshire----- | - | 16 | - | - | - | - | - | - | 2 | 6 | - | - |
| Vermont----- | 1 | 3 | - | - | - | - | - | - | 8 | 17 | - | - |
| Massachusetts----- | 36 | 22 | - | - | - | 1 | - | - | 36 | 31 | - | - |
| Rhode Island----- | 2 | 4 | - | - | - | - | - | - | 23 | 7 | - | - |
| Connecticut----- | 8 | 14 | - | - | - | - | - | - | 33 | 15 | - | - |
| MIDDLE ATLANTIC----- | 61 | 60 | - | - | - | 16 | 4 | - | 213 | 207 | 13 | 8 |
| New York----- | 31 | 21 | - | - | - | 1 | 3 | - | 107 | 117 | 13 | 7 |
| New Jersey----- | 11 | 12 | - | - | - | 1 | - | - | 37 | 22 | - | - |
| Pennsylvania----- | 19 | 27 | - | - | - | 14 | 1 | - | 69 | 68 | - | 1 |
| EAST NORTH CENTRAL----- | 151 | 184 | - | 3 | - | 7 | 13 | - | 297 | 182 | 11 | 19 |
| Ohio----- | 28 | 46 | - | - | - | - | ³ 11 | - | 53 | 41 | 1 | 1 |
| Indiana----- | 55 | 34 | - | - | - | - | 1 | - | 25 | 17 | 6 | 6 |
| Illinois----- | 15 | 39 | - | 3 | - | 7 | 1 | - | 43 | 16 | 2 | 8 |
| Michigan----- | 42 | 41 | - | - | - | - | - | - | 102 | 64 | 1 | - |
| Wisconsin----- | 11 | 24 | - | - | - | - | - | - | 74 | 44 | 1 | 4 |
| WEST NORTH CENTRAL----- | 44 | 49 | - | - | - | 3 | 1 | - | 41 | 19 | 13 | 6 |
| Minnesota----- | 14 | 21 | - | - | - | - | 1 | - | 18 | 6 | 3 | 1 |
| Iowa----- | 9 | 11 | - | - | - | 1 | - | - | 4 | 3 | 4 | 2 |
| Missouri----- | 3 | 4 | - | - | - | 2 | - | - | 9 | 7 | 5 | 3 |
| North Dakota----- | 12 | 6 | - | - | - | - | - | - | 4 | - | - | - |
| South Dakota----- | 1 | 2 | - | - | - | - | - | - | 3 | - | - | - |
| Nebraska----- | 1 | - | - | - | - | - | - | - | - | - | 1 | - |
| Kansas----- | 4 | 5 | - | - | - | - | - | - | 3 | 3 | - | - |
| SOUTH ATLANTIC----- | 157 | 130 | - | 3 | 1 | 8 | 6 | - | 130 | 34 | 18 | 53 |
| Delaware----- | 2 | 1 | - | - | - | - | 1 | - | - | 2 | - | - |
| Maryland----- | 8 | 7 | - | - | - | - | 2 | - | 16 | 14 | - | - |
| District of Columbia----- | 2 | 4 | - | - | - | 2 | - | - | 2 | 1 | - | - |
| Virginia----- | 41 | 62 | - | 2 | 1 | - | 1 | - | 29 | 5 | 4 | 8 |
| West Virginia----- | 4 | 5 | - | - | - | - | - | - | 38 | 10 | 6 | 20 |
| North Carolina----- | 18 | 20 | - | - | - | 1 | - | - | 16 | - | 2 | 7 |
| South Carolina----- | 4 | - | - | - | - | 1 | - | - | 13 | 2 | 5 | 7 |
| Georgia----- | 66 | 21 | - | - | - | 3 | 1 | - | 4 | - | 1 | 10 |
| Florida----- | 12 | 10 | - | 1 | - | 1 | 1 | - | 12 | - | - | 1 |
| EAST SOUTH CENTRAL----- | 37 | 34 | - | 1 | 1 | 5 | 5 | 2 | 98 | 15 | 17 | 24 |
| Kentucky----- | 8 | 1 | - | - | - | 3 | 1 | - | 35 | 9 | 4 | 4 |
| Tennessee----- | 17 | 15 | - | - | - | 1 | 1 | - | 35 | 5 | 3 | 6 |
| Alabama----- | 7 | 8 | - | - | 1 | 1 | 1 | 2 | 21 | 1 | 6 | 9 |
| Mississippi----- | 5 | 10 | - | 1 | - | - | 2 | - | 7 | - | 4 | 5 |
| WEST SOUTH CENTRAL----- | 479 | 493 | - | 4 | 6 | 10 | 4 | - | 75 | 69 | 32 | 30 |
| Arkansas----- | 56 | 36 | - | 1 | - | 4 | 1 | - | 13 | 9 | 6 | 5 |
| Louisiana----- | 4 | 1 | - | - | 5 | 3 | 1 | - | 3 | 2 | - | ⁴ 6 |
| Oklahoma----- | 1 | 6 | - | 1 | 1 | 1 | - | - | - | 2 | - | - |
| Texas----- | 418 | 450 | - | 2 | - | 2 | 2 | - | 59 | 56 | 26 | 19 |
| MOUNTAIN----- | 204 | 52 | - | 3 | 1 | 4 | 4 | - | 34 | 9 | 2 | - |
| Montana----- | 9 | 3 | - | - | 1 | - | - | - | - | - | - | - |
| Idaho----- | - | 12 | - | - | - | - | - | - | 3 | - | - | - |
| Wyoming----- | 6 | 13 | - | 3 | - | - | - | - | 1 | 4 | - | - |
| Colorado----- | 17 | 7 | - | - | - | - | 1 | - | 9 | 5 | - | - |
| New Mexico----- | 1 | 6 | - | - | - | - | 3 | - | 4 | - | 1 | - |
| Arizona----- | 149 | - | - | - | - | 4 | - | - | 12 | - | 1 | - |
| Utah----- | 22 | 10 | - | - | - | - | - | - | 5 | - | - | - |
| Nevada----- | - | 1 | - | - | - | - | - | - | - | - | - | - |
| PACIFIC----- | 210 | 102 | 3 | - | 2 | 2 | 2 | - | 152 | 31 | 2 | 2 |
| Washington----- | 42 | 21 | - | - | - | 2 | 1 | - | 29 | 6 | - | - |
| Oregon----- | 29 | 17 | - | - | - | - | - | - | 10 | 3 | - | - |
| California----- | 139 | 64 | 3 | - | 2 | - | 1 | - | 113 | 22 | 2 | 2 |
| Alaska----- | 1 | 2 | - | - | - | - | - | - | - | - | - | - |
| Hawaii----- | - | 2 | - | - | - | - | - | - | - | - | - | - |
| Puerto Rico----- | - | - | - | - | - | - | - | - | 35 | 29 | - | 2 |

³Includes 10 delayed cases.

⁴Reported for September.



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 where 50 deaths are the weekly average, 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 | 41st week ended October 16, 1954 | 40th week ended October 9, 1954 | 41st week median 1951-53 | Percent change, median to current week | CUMULATIVE NUMBER FOR FIRST 41 WEEKS | | |
|-------------------------------------|----------------------------------|---------------------------------|--------------------------|--|--------------------------------------|---------|----------------|
| | | | | | 1954 | 1953 | Percent change |
| TOTAL: 105 REPORTING CITIES----- | 9,213 | 9,239 | 9,325 | -1.2 | 390,841 | 404,463 | -3.4 |
| New England----- (14 cities) | 655 | 674 | 618 | +6.0 | 26,570 | 27,096 | -1.9 |
| Middle Atlantic----- (17 cities) | 2,887 | 2,871 | 2,849 | +1.3 | 117,211 | 122,742 | -4.5 |
| East North Central----- (18 cities) | 2,014 | 2,066 | 2,122 | -5.1 | 87,438 | 91,172 | -4.1 |
| West North Central----- (8 cities) | 691 | 642 | 670 | +3.1 | 28,797 | 30,171 | -4.6 |
| South Atlantic----- (8 cities) | 606 | 675 | 656 | -7.6 | 27,934 | 29,256 | -4.5 |
| East South Central----- (8 cities) | 450 | 420 | 450 | 0 | 18,744 | 19,352 | -3.1 |
| West South Central----- (12 cities) | 538 | 555 | 547 | -1.6 | 25,420 | 25,162 | +1.0 |
| Mountain----- (8 cities) | 218 | 211 | 201 | +8.5 | 9,201 | 9,883 | -6.9 |
| Pacific----- (12 cities) | 1,154 | 1,125 | 999 | +15.5 | 49,526 | 49,629 | -0.2 |

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Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED OCTOBER 16, 1954

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

| CITY | 41st week ended Oct. 16, 1954 | 40th week ended Oct. 9, 1954 | CUMULATIVE NUMBER FOR FIRST 41 WEEKS | | CITY | 41st week ended Oct. 16, 1954 | 40th week ended Oct. 9, 1954 | CUMULATIVE NUMBER FOR FIRST 41 WEEKS | |
|-------------------------|--|---|---|---------|-------------------------|--|---|---|---------|
| | | | 1954 | 1953 | | | | 1954 | 1953 |
| NEW ENGLAND | | | | | WEST NORTH CENTRAL—Con. | | | | |
| Boston----- | 222 | 220 | 8,934 | 9,109 | St. Louis----- | 229 | 216 | 9,429 | 9,967 |
| Bridgeport----- | 21 | 39 | 1,418 | 1,369 | St. Paul----- | 78 | 81 | 2,615 | 2,590 |
| Cambridge----- | 26 | 32 | 1,107 | 1,134 | Wichita----- | 45 | 40 | 1,746 | 1,651 |
| Fall River----- | 28 | 30 | 1,109 | 1,123 | SOUTH ATLANTIC | | | | |
| Hartford----- | 51 | 44 | 1,858 | 1,849 | Atlanta----- | 91 | 105 | 4,236 | 4,225 |
| Lowell----- | 27 | 22 | 1,090 | 1,026 | Baltimore----- | 201 | 230 | 8,641 | 9,214 |
| Lynn----- | 17 | 26 | 868 | 895 | Charlotte----- | 25 | 29 | 1,207 | 1,176 |
| New Bedford----- | 25 | 25 | 911 | 945 | Jacksonville----- | (43) | (44) | (1,988) | --- |
| New Haven----- | 42 | 38 | 1,717 | 1,765 | Miami----- | --- | (50) | --- | (2,417) |
| Providence----- | 52 | 66 | 2,459 | 2,429 | Norfolk----- | 20 | 34 | 1,164 | 1,304 |
| Somerville----- | 21 | 17 | 572 | 613 | Richmond----- | 51 | 61 | 2,547 | 2,612 |
| Springfield, Mass.----- | 45 | 41 | 1,580 | 1,579 | Savannah----- | --- | (27) | --- | --- |
| Waterbury----- | 19 | 18 | 941 | 1,070 | Tampa----- | 57 | 44 | 2,128 | 2,143 |
| Worcester----- | 59 | 56 | 2,006 | 2,190 | Washington, D. C.----- | 133 | 138 | 6,698 | 7,235 |
| | | | | | Wilmington, Del.----- | 28 | 34 | 1,313 | 1,347 |
| MIDDLE ATLANTIC | | | | | EAST SOUTH CENTRAL | | | | |
| Albany----- | 49 | 52 | 1,841 | 1,855 | Birmingham----- | 67 | 66 | 2,971 | 2,980 |
| Allentown----- | (33) | (37) | (1,353) | --- | Chattanooga----- | 43 | 47 | 1,770 | 1,843 |
| Buffalo----- | 135 | 151 | 5,453 | 5,833 | Knoxville----- | 25 | 42 | 1,374 | 1,338 |
| Camden----- | 50 | 32 | 1,511 | 1,496 | Louisville----- | 82 | 83 | 4,318 | 4,314 |
| Elizabeth----- | 20 | 30 | 1,123 | 1,095 | Memphis----- | 129 | 81 | 3,948 | 4,364 |
| Erie----- | 25 | 38 | 1,365 | 1,378 | Mobile----- | 32 | 27 | 1,287 | 1,281 |
| Jersey City----- | 70 | 68 | 2,749 | 2,795 | Montgomery----- | 20 | 32 | 1,056 | 1,107 |
| Newark, N. J.----- | 100 | 94 | 3,926 | 4,250 | Nashville----- | 52 | 42 | 2,020 | 2,125 |
| New York City----- | 1,551 | 1,481 | 61,656 | 64,419 | WEST SOUTH CENTRAL | | | | |
| Paterson----- | 38 | 45 | 1,530 | 1,573 | Austin----- | 23 | 23 | 1,032 | 1,036 |
| Philadelphia----- | 439 | 461 | 18,606 | 19,783 | Baton Rouge----- | 22 | 16 | 852 | 645 |
| Pittsburgh----- | 132 | 179 | 6,448 | 6,963 | Corpus Christi----- | 14 | 27 | 708 | 683 |
| Reading----- | (22) | (15) | (820) | --- | Dallas----- | 112 | 89 | 4,053 | 3,865 |
| Rochester, N. Y.----- | 88 | 80 | 3,674 | 3,845 | El Paso----- | 28 | 21 | 1,071 | 1,127 |
| Schenectady----- | 14 | 12 | 986 | 965 | Fort Worth----- | 44 | 58 | 2,257 | 2,335 |
| Scranton----- | (19) | (37) | (1,370) | --- | Houston----- | 92 | 106 | 4,872 | 5,045 |
| Syracuse----- | 59 | 65 | 2,223 | 2,220 | Little Rock----- | 37 | 26 | 1,643 | 1,751 |
| Trenton----- | 63 | 32 | 1,806 | 1,885 | New Orleans----- | --- | (151) | --- | (6,431) |
| Utica----- | 22 | 31 | 1,225 | 1,293 | Oklahoma City----- | 34 | 46 | 2,376 | 2,195 |
| Yonkers----- | 32 | 20 | 1,089 | 1,094 | San Antonio----- | 77 | 53 | 3,135 | 3,301 |
| EAST NORTH CENTRAL | | | | | Shreveport----- | 29 | 51 | 1,578 | 1,601 |
| Akron----- | 54 | 59 | 2,212 | 2,336 | Tulsa----- | 26 | 39 | 1,843 | 1,578 |
| Canton----- | 27 | 26 | 1,137 | 1,153 | MOUNTAIN | | | | |
| Chicago----- | 668 | 657 | 29,022 | 30,253 | Albuquerque----- | 27 | 27 | 1,072 | 1,079 |
| Cincinnati----- | 120 | 140 | 5,625 | 6,104 | Colorado Springs----- | 18 | 11 | 481 | 554 |
| Cleveland----- | 180 | 203 | 8,002 | 8,365 | Denver----- | 85 | 107 | 4,076 | 4,374 |
| Columbus----- | 69 | 97 | 4,024 | 4,220 | Ogden----- | 6 | 12 | 449 | 501 |
| Dayton----- | 49 | 60 | 2,543 | 2,492 | Phoenix----- | 16 | 12 | 829 | 917 |
| Detroit----- | 315 | 297 | 12,452 | 12,893 | Pueblo----- | 23 | 8 | 539 | 556 |
| Evansville----- | 23 | 18 | 1,200 | 1,326 | Salt Lake City----- | 36 | 30 | 1,586 | 1,697 |
| Flint----- | 37 | 28 | 1,523 | 1,474 | Tucson----- | 7 | 4 | 169 | 205 |
| Fort Wayne----- | 28 | 21 | 1,052 | 1,262 | PACIFIC | | | | |
| Gary----- | (30) | (34) | (1,041) | --- | Berkeley----- | 21 | 16 | 718 | 682 |
| Grand Rapids----- | 44 | 38 | 1,588 | 1,579 | Long Beach----- | 46 | 41 | 1,953 | 1,889 |
| Indianapolis----- | 108 | 100 | 4,470 | 4,549 | Los Angeles----- | 404 | 361 | 17,581 | 17,886 |
| Milwaukee----- | 102 | 123 | 4,911 | 4,978 | Oakland----- | 101 | 100 | 3,747 | 3,809 |
| Peoria----- | 20 | 27 | 1,214 | 1,277 | Pasadena----- | 29 | 31 | 1,329 | 1,384 |
| South Bend----- | 28 | 28 | 930 | 951 | Portland, Oreg.----- | 75 | 87 | 3,956 | 4,016 |
| Toledo----- | 85 | 80 | 3,564 | 3,769 | Sacramento----- | 36 | 39 | 1,832 | 1,884 |
| Youngstown----- | 57 | 64 | 1,969 | 2,191 | San Diego----- | 86 | 76 | 2,939 | 2,863 |
| WEST NORTH CENTRAL | | | | | San Francisco----- | 170 | 190 | 7,404 | 7,566 |
| Des Moines----- | 50 | 45 | 2,034 | 2,008 | Seattle----- | 118 | 113 | 4,895 | 4,635 |
| Duluth----- | 15 | 24 | 1,089 | 1,111 | Spokane----- | 32 | 43 | 1,805 | 1,694 |
| Kansas City, Kans.----- | --- | --- | --- | (1,372) | Tacoma----- | 36 | 28 | 1,367 | 1,321 |
| Kansas City, Mo.----- | 102 | 97 | 4,808 | 5,022 | Honolulu----- | (29) | (42) | (1,370) | (1,295) |
| Minneapolis----- | 115 | 87 | 4,605 | 5,176 | | | | | |
| Omaha----- | 57 | 52 | 2,471 | 2,646 | | | | | |

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

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