# Morbidity and Mortality Weekly Report

U. S. Department of
HEALTH, EDUCATION, AND WELFARE
Public Health Service
NATIONAL OFFICE OF VITAL STATISTICS

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended November 20, 1954

For the current week, a total of 74 cases of diphtheria was reported. This total excludes the report from Missouri, where 3 cases were reported for the previous week. Of the total for the current week, 57 or more than 75 percent of the cases were in 6 States—Georgia (18), Kentucky (15), Alabama (9), South Carolina (6), Texas (6), and Tennessee (3). In Louisiana, where large numbers of cases have been reported this year, there was only 1 case this week.

The cumulative total of diphtheria cases for the year to date is 1,779 as compared with 2,077 for the corresponding period of 1953. Since the first of the year, 796 cases have been reported in the 6 States mentioned above as compared with 918 in these States for the corresponding period of last year. In Louisiana, the cumulative total is 103 as compared with 30 for the corresponding period of 1953.

### EPIDEMIOLOGICAL REPORTS

Anthrax in animals

According to the monthly report from the Department of Agriculture, 31 outbreaks of anthrax in animals occurred in 3 States during October 1954. Of these, 28 were in Louisiana, where 122 cattle and 2 horses were lost. Most of these were in 2 counties in the southeastern part of the State and are an extension of the outbreaks which occurred in September and were reported for the week ended October 16. Only 1 cow was lost in each of the other 3 outbreaks. In all of the 31 outbreaks, infected soil was suspected to be the source. Reports indicate that no outbreaks occurred in 40 States, the District of Columbia, Hawaii, and Puerto Rico during October. A supplemental report for September shows that 4 additional cattle were lost in an outbreak which occurred in 1 county in California.

Suspect human anthrax

Dr. H. A. Holle, Texas Department of Health, reports a human case suspected to be anthrax. The patient was a 27-year-old farmer who received 2 small teeth scratches on his finger while drenching sheep. One week later, a hard swelling developed on this spot on his finger. The lesion increased in size and started to turn blue and to ulcerate. It was accompanied by mild fever, malaise, and general weakness. A private physician took a smear of the exudate and made a diagnosis of anthrax. The lesion was described as a small ulcer with hemorrhagic margin and considerable edema in the finger. There was little soreness associated with the lesion. The patient was hospitalized and responded favorably to treatment. Specimens from the patient's finger for follow-up studies and culture were not available. However, a review of the original smear of the exudate failed to support the diagnosis of anthrax. Epidemiological investigations have failed to find the source of the infection. Two sheep have died recently but the cause of death has not as yet been established. Specimens of bone meat scrap which were fed to the sheep, and specimens of the carcass of 1 sheep and of the surrounding soil, have been sent to the laboratory for examination. The reports on these have not yet been received.

Psittacosis

The California Department of Public Health reports 5 cases of psittacosis. The diagnosis of each was confirmed by the complement fixation test which showed a 4-fold rise in titer or a titer of 1:64 or greater on the convalescent blood specimen. Three of the patients were associated with parakeets, 1 with a parrot, and 1 with a canary. In 2 instances, laboratory tests were made on the birds but they are not yet complete.

Encephalitis

The California Department of Public Health has reported that 22 positive complement fixation tests for western equine and 96 for St. Louis types of encephalitis have been obtained from cases occurring from January through November 13. Sixteen of the 22 positive serologic tests for western equine virus infection were obtained from cases in 2 counties (Fresno and Kern), and 66 of the 96 positive tests for St. Louis virus infection were obtained from cases in 5 counties (Butte, Fresno, Kern, San Joaquin, and Stanislaus). The peak month for both types of cases was August. Of 860 pools of mosquitoes trapped in 4 areas, 141 yielded western equine virus and 80 the St. Louis type. The majority of the virus isolations were from Fresno and Kern Counties. Other types of encephalitis reported during the period of January through November 13 were post measles encephalitis (59 cases), post mumps (185), and post chickenpox (23).

Plague infection

Frank M. Prince, San Francisco Field Station, CDCA, reports that the following specimen forwarded to the laboratory by the Tacoma (Washington) Health Department has been proved positive for plague.

Serial No. 1559, specimen No. B-9, consisting of a pool of 25 fleas (species not stated) collected from 3 rats (Rattus norvegicus), trapped in a frame building in a residential district on October 22, 1954.

From another source, it was learned that these rats were trapped 3 miles from the center of the city and the port area and 18 miles from the airport.

Dr. V. B. Link, Communicable Disease Center, reports that this is the first positive specimen for plague from this city since 1944. In 1942, an active epizootic was discovered. There were no human cases, although 103 positive specimens were obtained from rats and fleas. An active rodent control program has been in operation since that time. At present, it appears that the infection just reported was derived from wild rodent sources outside the city proper, rather than imported through shipping channels. An investigation is being carried out in the city and the adjacent area to determine whether this is a localized epizootic, or the first indication of a more widespread infection in rats throughout the city.

Bat rabies

The Public Health Service Rocky Mountain Laboratory, Hamilton, Montana, reports that a brown bat (Eptesicus fuscus pallidus) was brought to the laboratory by an employee on August 30, 1954. His children had heard the animal hissing when they approached a flower bed near the house, and thought that a snake was responsible for it. Their father discovered a bat which appeared sluggish, and he thought it might be sick. The bat was killed with ether vapor; one half of the brain was removed, triturated in about 9 volumes of serum-saline, and 0.3 ml. of the suspension was injected intracerebrally into each of 4 adult white

mice. The carcass of the bat and the remaining half brain were submitted to the laboratory pathologist. On the 16th day after injection of the mice, 2 were found dead, 1 died on the 18th, and 1 on the 20th day. Brain tissue triturate was passed from the mouse that died on the 18th day and the strain was established in mice.

Subsequently antirabies serum was obtained from the National Institutes of Health, PHS, Bethesda, Maryland, and neutralization tests were done versus a laboratory strain of fixed rabies virus, western equine encephalitis virus, and the bat virus. Clear cut neutralization was obtained with the serum versus fixed rabies and the bat virus, but not versus the western equine virus. Vaccines have been prepared from the bat virus and from fixed rabies virus, and mice injected with each vaccine will be challenged with both viruses.

Negri bodies were seen in the original bat brain, in mice inoculated with suspensions of the brain, and in subsequent passage mice. No cases of canine rabies have been reported within several hundred miles of Hamilton this year.

Infectious hepatitis

The New York Department of Health reports an outbreak of infectious hepatitis in an institution. Twelve cases were reported during September and October. Mass gamma globulin prophylaxis was given, and subsequently 3 cases have occurred. It is not known as yet if these 3 patients had been given the prophylaxis.

Typhoid fever

The Los Angeles City Health Department gives preliminary information on an outbreak of typhoid fever among 235 persons who attended a wedding reception. Of these, 12 became ill from 7 to 26 days later. A special oriental mixed dish (beans, flour,

Continued on page 8

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 | 46th week | | | CUMULATIVE NUMBER | | | | | | Approximate seasonal low point |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | First 46 weeks | | | Since seasonal low week | | | |
| | Ended Nov. 20, 1954 | Ended Nov. 21, 1953 | Median 1949-53 | 1954 | 1953 | Median 1949-53 | 1953-54 | 1952-53 | Median 1948-49 to 1952-53 | |
| Anthrax-----062 | - | 1 | 1 | 19 | 31 | 41 | [1] | [1] | [1] | [1] |
| Botulism-----049.1 | - | - | --- | 13 | 19 | --- | [1] | [1] | [1] | [1] |
| Brucellosis (undulant fever)-----044 | 34 | 27 | --- | [2]1,515 | 1,617 | --- | [1] | [1] | [1] | [1] |
| Diphtheria-----055 | 74 | 62 | 144 | 1,779 | 2,077 | 3,627 | 907 | 1,025 | 1,657 | July 1 |
| Encephalitis, infectious-----082 | 33 | 25 | 24 | 1,761 | 1,032 | 931 | [1] | [1] | [1] | [1] |
| Hepatitis, infectious, and serum-----092,N998.5 pt. | 717 | 602 | --- | [3]45,316 | 28,643 | --- | [1] | [1] | [1] | [1] |
| Malaria-----110-117 | 13 | 24 | --- | 667 | 1,369 | --- | [1] | [1] | [1] | [1] |
| Measles-----085 | 3,521 | 2,320 | 2,104 | [4]648,216 | 424,957 | 485,690 | [4]20,388 | 14,279 | 12,464 | Sept. 1 |
| Meningococcal infections-----057 | 77 | 81 | 77 | 3,676 | 4,579 | 3,633 | 660 | 814 | 714 | Sept. 1 |
| Poliomyelitis-----080 | 685 | 559 | 733 | [5]36,907 | 34,071 | 34,071 | [5]35,354 | 32,490 | 32,490 | Apr. 1 |
| Psittacosis-----096.2 | [6]1 | 3 | --- | 416 | 51 | --- | [1] | [1] | [1] | [1] |
| Rabies in man-----094 | - | 1 | - | 6 | 13 | 10 | [1] | [1] | [1] | [1] |
| Rocky Mountain spotted fever-----104A | 1 | 2 | 2 | 283 | 290 | 327 | [1] | [1] | [1] | [1] |
| Scarlet fever and streptococcal sore throat-----050,051 | 2,310 | 2,293 | 1,295 | 130,877 | 119,428 | 66,532 | 23,136 | 19,821 | 9,352 | Aug. 1 |
| Smallpox-----084 | - | - | - | - | 4 | 15 | [1] | [1] | [1] | [1] |
| Trichiniasis-----128 | 6 | 8 | --- | 223 | 344 | --- | [1] | [1] | [1] | [1] |
| Tularemia-----059 | 8 | 9 | 9 | 524 | 476 | 574 | [1] | [1] | [1] | [1] |
| Typhoid fever-----040 | 21 | 40 | 42 | 2,104 | 2,104 | 2,247 | 1,694 | 1,799 | 1,844 | Apr. 1 |
| Typhus fever, endemic-----101 | 2 | 3 | --- | 168 | 218 | --- | 134 | 178 | --- | Apr. 1 |
| Whooping cough-----056 | 1,534 | 904 | 1,151 | 52,677 | 32,517 | 57,399 | 8,916 | 5,298 | 7,300 | Oct. 1 |
| Rabies in animals----- | 96 | 179 | --- | 6,115 | 6,609 | --- | [1] | [1] | [1] | [1] |

[1]Information not available or frequencies are too small.
[2]Addition: South Dakota, week ended November 13, 2 cases.
[3]Addition: Idaho, week ended October 30, 6 cases.
[4]Deduction: Colorado, week ended November 6, 33 cases. Addition: Arkansas, week ended November 13, 30 cases.
[5]Additions: South Carolina, week ended October 30, 1 case; Tennessee, week ended November 6, 2 cases. Deduction: Georgia, week ended November 6, 1 case.
[6]Reported in Wyoming.

NOTE.—No report for the current week has been received from Missouri.

## 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.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 21, 1953, AND NOVEMBER 20, 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) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Civilian[1] | | Military | |
| | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 |
| CONT. UNITED STATES | 34 | 27 | 74 | 62 | 33 | 25 | 717 | 602 | 7 | 9 | 6 | 15 |
| NEW ENGLAND | 1 | 2 | 1 | - | - | 1 | 79 | 57 | 2 | 1 | - | 1 |
| Maine | - | - | - | - | - | - | 13 | 24 | 1 | 1 | - | - |
| New Hampshire | - | - | - | - | - | - | - | 5 | - | - | - | - |
| Vermont | - | - | - | - | - | - | 14 | - | - | - | - | - |
| Massachusetts | - | - | 1 | - | - | 1 | 27 | 24 | - | - | - | 1 |
| Rhode Island | - | - | - | - | - | - | 12 | 1 | - | - | - | - |
| Connecticut | 1 | 2 | - | - | - | - | 13 | 3 | 1 | - | - | - |
| MIDDLE ATLANTIC | - | - | 4 | 3 | 9 | 7 | 156 | 137 | - | - | - | 2 |
| New York | - | - | 3 | 3 | 8 | 7 | 82 | 110 | - | - | - | 1 |
| New Jersey | - | - | - | - | - | - | 12 | 6 | - | - | - | 1 |
| Pennsylvania | - | - | 1 | - | 1 | - | 62 | 21 | - | - | - | - |
| EAST NORTH CENTRAL | 13 | 9 | 5 | 3 | 4 | 4 | 78 | 66 | - | - | - | 2 |
| Ohio | - | 2 | 2 | - | - | - | 18 | 15 | - | - | - | - |
| Indiana | - | - | - | 2 | 1 | - | 29 | 14 | - | - | - | - |
| Illinois | 7 | 4 | 2 | 1 | 2 | 4 | 11 | 16 | - | - | - | 1 |
| Michigan | 2 | 1 | 1 | - | 1 | - | 14 | 15 | - | - | - | 1 |
| Wisconsin | 4 | 2 | - | - | - | - | 6 | 6 | - | - | - | - |
| WEST NORTH CENTRAL | 7 | 6 | 1 | 3 | 4 | 4 | 102 | 54 | - | 1 | - | - |
| Minnesota | - | 1 | - | 2 | 2 | 1 | 65 | 16 | - | - | - | - |
| Iowa | 4 | 4 | 1 | - | - | - | 27 | 32 | - | - | - | - |
| Missouri | --- | 1 | --- | 1 | --- | - | --- | 2 | --- | - | --- | - |
| North Dakota | - | - | - | - | 2 | 3 | - | 2 | - | - | - | - |
| South Dakota | 3 | - | - | - | - | - | 6 | - | - | - | - | - |
| Nebraska | - | - | - | - | - | - | 2 | 1 | - | - | - | - |
| Kansas | - | - | - | - | - | - | 2 | 1 | - | 1 | - | - |
| SOUTH ATLANTIC | 3 | 2 | 26 | 31 | 1 | 2 | 91 | 121 | - | - | 1 | 7 |
| Delaware | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Maryland | - | - | - | - | - | - | 22 | 5 | - | - | - | - |
| District of Columbia | - | - | - | - | - | - | - | - | - | - | - | - |
| Virginia | 1 | 1 | - | 5 | 1 | - | 34 | 62 | - | - | - | 1 |
| West Virginia | - | - | - | - | - | - | 18 | 17 | - | - | - | - |
| North Carolina | - | - | 1 | 6 | - | - | 10 | 34 | - | - | 1 | - |
| South Carolina | - | - | 6 | 5 | - | - | 1 | 1 | - | - | - | 6 |
| Georgia | 2 | 1 | 18 | 11 | - | - | - | - | - | - | - | - |
| Florida | - | - | 1 | 4 | - | 2 | 6 | 1 | - | - | - | - |
| EAST SOUTH CENTRAL | 2 | 4 | 29 | 11 | 1 | - | 43 | 36 | - | - | 4 | - |
| Kentucky | 2 | - | 15 | 1 | - | - | 2 | 4 | - | - | 4 | - |
| Tennessee | - | 3 | 3 | 1 | - | - | 19 | 16 | - | - | - | - |
| Alabama | - | - | 9 | 8 | - | - | 10 | 4 | - | - | - | - |
| Mississippi | - | 1 | 2 | 1 | 1 | - | 12 | 12 | - | - | - | - |
| WEST SOUTH CENTRAL | 5 | 3 | 7 | 9 | 3 | 5 | 35 | 41 | 5 | 2 | - | - |
| Arkansas | 1 | - | - | 1 | - | - | 3 | 5 | - | - | - | - |
| Louisiana | 2 | - | 1 | - | - | - | 4 | - | - | - | - | - |
| Oklahoma | - | - | - | 1 | 1 | - | 4 | 1 | - | - | - | - |
| Texas | 2 | 3 | 6 | 7 | 2 | 5 | 24 | 35 | 5 | 2 | - | - |
| MOUNTAIN | 1 | 1 | - | 1 | 1 | 1 | 48 | 25 | - | 2 | - | - |
| Montana | - | - | - | - | - | 1 | 3 | 3 | - | - | - | - |
| Idaho | - | - | - | 1 | - | - | 18 | 14 | - | - | - | - |
| Wyoming | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Colorado | - | - | - | - | - | - | 6 | 5 | - | - | - | - |
| New Mexico | - | - | - | - | - | - | 3 | - | - | 1 | - | - |
| Arizona | 1 | - | - | - | - | - | 16 | - | - | 1 | - | - |
| Utah | - | 1 | - | - | 1 | - | 2 | 1 | - | - | - | - |
| Nevada | - | - | - | - | - | - | - | - | - | - | - | - |
| PACIFIC | 2 | - | 1 | 1 | 10 | 1 | 85 | 65 | - | 3 | 1 | 3 |
| Washington | - | - | 1 | 1 | - | - | 8 | 8 | - | - | - | - |
| Oregon | 1 | - | - | - | 1 | - | 30 | 18 | - | - | - | - |
| California | 1 | - | - | - | 9 | 1 | 47 | 39 | - | 3 | 1 | 3 |
| Alaska | - | - | - | - | - | - | 4 | - | - | - | - | - |
| Hawaii | - | - | - | - | - | - | 1 | - | - | - | - | 2 |
| Puerto Rico | - | - | - | 4 | - | - | 2 | 1 | - | - | - | - |

[1]Includes cases not specified as civilian or military.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 21, 1953, AND NOVEMBER 20, 1954—Continued

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

| AREA | MEASLES (085) | | MENINGOCOCCAL INFECTIONS (057) | | POLIOMYELITIS (080) | | | | | | ROCKY MOUNTAIN SPOTTED FEVER (104A) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Total[2] | | Paralytic (080.0, 080.1) | | Nonparalytic (080.2) | | | |
| | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 | 1954 | 1953 |
| CONT. UNITED STATES | 3,521 | 2,320 | 77 | 81 | 685 | 559 | 300 | 205 | 168 | 112 | 1 | 2 |
| NEW ENGLAND | 946 | 61 | 1 | 4 | 44 | 43 | 19 | 16 | 12 | 7 | - | - |
| Maine | 101 | 30 | - | - | 5 | 4 | 2 | 3 | - | 1 | - | - |
| New Hampshire | 123 | - | - | 1 | 1 | 6 | - | - | - | - | - | - |
| Vermont | 23 | 20 | - | - | - | 1 | - | - | - | - | - | - |
| Massachusetts | 582 | 7 | - | 2 | 24 | 25 | 10 | 9 | 10 | 5 | - | - |
| Rhode Island | 21 | - | - | - | - | 3 | - | 1 | - | - | - | - |
| Connecticut | 96 | 4 | 1 | 1 | 14 | 4 | 7 | 3 | 2 | 1 | - | - |
| MIDDLE ATLANTIC | 803 | 402 | 17 | 16 | 136 | 89 | 46 | 20 | 24 | 5 | 1 | 1 |
| New York | 457 | 193 | 10 | 10 | 76 | 73 | 29 | 18 | 18 | 5 | - | 1 |
| New Jersey | 177 | 32 | 1 | 3 | 28 | 2 | 17 | 2 | 6 | - | - | - |
| Pennsylvania | 169 | 177 | 6 | 3 | 32 | 14 | - | - | - | - | 1 | - |
| EAST NORTH CENTRAL | 662 | 503 | 16 | 15 | 178 | 116 | 70 | 26 | 36 | 25 | - | 1 |
| Ohio | 46 | 39 | 2 | 3 | 49 | 39 | 13 | 3 | 5 | 6 | - | - |
| Indiana | 36 | 74 | 4 | 8 | [3]26 | 9 | 11 | - | 5 | - | - | 1 |
| Illinois | 60 | 99 | 5 | 1 | 45 | 19 | 26 | 11 | 7 | 6 | - | - |
| Michigan | 473 | 226 | 2 | 2 | 41 | 29 | 15 | 12 | 17 | 13 | - | - |
| Wisconsin | 47 | 65 | 3 | 1 | 17 | 20 | 5 | - | 2 | - | - | - |
| WEST NORTH CENTRAL | 171 | 82 | 5 | 4 | 44 | 57 | 13 | 14 | 25 | 14 | - | - |
| Minnesota | 108 | 3 | - | 3 | 7 | 28 | 2 | 6 | 3 | 5 | - | - |
| Iowa | 24 | 35 | - | - | 14 | 8 | 4 | 2 | 10 | 6 | - | - |
| Missouri | --- | 2 | --- | 1 | --- | 13 | --- | 5 | --- | - | --- | - |
| North Dakota | 32 | 35 | 1 | - | - | 3 | - | 1 | - | - | - | - |
| South Dakota | 1 | 2 | - | - | 9 | - | - | - | 6 | - | - | - |
| Nebraska | 2 | 1 | 2 | - | 6 | 2 | 3 | - | 3 | 2 | - | - |
| Kansas | 4 | 4 | 2 | - | 8 | 3 | 4 | - | 3 | 1 | - | - |
| SOUTH ATLANTIC | 170 | 183 | 16 | 12 | 84 | 33 | 52 | 19 | 19 | 6 | - | - |
| Delaware | 1 | - | - | - | 5 | - | 3 | - | 2 | - | - | - |
| Maryland | 2 | 69 | 2 | 2 | 6 | 5 | 4 | 4 | 2 | 1 | - | - |
| District of Columbia | - | - | - | 1 | 2 | - | 1 | - | - | - | - | - |
| Virginia | 33 | 18 | 4 | - | 12 | 6 | 6 | 5 | 3 | 1 | - | - |
| West Virginia | 100 | 45 | - | 1 | 5 | 4 | 3 | 1 | 1 | 2 | - | - |
| North Carolina | 2 | 24 | 3 | 3 | 7 | 6 | 5 | 4 | 1 | 1 | - | - |
| South Carolina | 7 | 6 | 4 | 2 | 6 | 4 | 5 | 4 | - | - | - | - |
| Georgia | 16 | 9 | 1 | 1 | 5 | 2 | 3 | - | - | - | - | - |
| Florida | 9 | 12 | 2 | 2 | 36 | 6 | 22 | 1 | 10 | 1 | - | - |
| EAST SOUTH CENTRAL | 118 | 146 | 12 | 11 | 29 | 27 | 14 | 7 | 7 | 2 | - | - |
| Kentucky | 47 | 46 | 4 | 4 | 13 | 10 | 6 | 2 | 6 | 1 | - | - |
| Tennessee | 49 | 23 | 3 | 6 | 10 | 8 | 5 | 3 | 1 | 1 | - | - |
| Alabama | 19 | 76 | 3 | 1 | 3 | 4 | 2 | - | - | - | - | - |
| Mississippi | 3 | 1 | 2 | - | 3 | 5 | 1 | 2 | - | - | - | - |
| WEST SOUTH CENTRAL | 222 | 275 | 7 | 9 | 46 | 36 | 22 | 20 | 12 | 7 | - | - |
| Arkansas | 3 | 14 | 1 | - | 6 | 4 | 3 | 3 | 2 | - | - | - |
| Louisiana | 4 | 8 | 3 | 2 | 9 | 3 | 7 | 2 | 2 | 1 | - | - |
| Oklahoma | 6 | 5 | 1 | 1 | 2 | 6 | 1 | 4 | - | - | - | - |
| Texas | 209 | 248 | 2 | 6 | 29 | 23 | 11 | 11 | 8 | 6 | - | - |
| MOUNTAIN | 75 | 214 | 1 | - | 39 | 24 | 13 | 6 | 3 | 3 | - | - |
| Montana | - | 16 | - | - | 3 | 6 | 1 | 3 | 1 | 2 | - | - |
| Idaho | 4 | 73 | - | - | 6 | 4 | - | - | - | - | - | - |
| Wyoming | 1 | 14 | - | - | 8 | 2 | 2 | 2 | - | - | - | - |
| Colorado | 8 | 11 | - | - | 7 | 1 | 5 | - | - | - | - | - |
| New Mexico | 5 | 18 | - | - | 3 | 2 | 2 | - | 1 | - | - | - |
| Arizona | 35 | 4 | 1 | - | 4 | 2 | 3 | - | 1 | 1 | - | - |
| Utah | 22 | 78 | - | - | 8 | 6 | - | - | - | - | - | - |
| Nevada | - | - | - | - | - | 1 | - | 1 | - | - | - | - |
| PACIFIC | 354 | 454 | 2 | 10 | 85 | 134 | 51 | 77 | 30 | 43 | - | - |
| Washington | 85 | 158 | - | 1 | 11 | 10 | 5 | - | 4 | - | - | - |
| Oregon | 11 | 38 | - | 1 | 11 | 11 | 7 | 5 | 2 | 2 | - | - |
| California | 258 | 258 | 2 | 8 | 63 | 113 | 39 | 72 | 24 | 41 | - | - |
| Alaska | 2 | 371 | 1 | - | 3 | 1 | - | - | 1 | - | - | - |
| Hawaii | 22 | 2 | - | - | 2 | 2 | 1 | 1 | 1 | 1 | - | - |
| Puerto Rico | 73 | 26 | - | - | - | - | - | - | - | - | - | - |

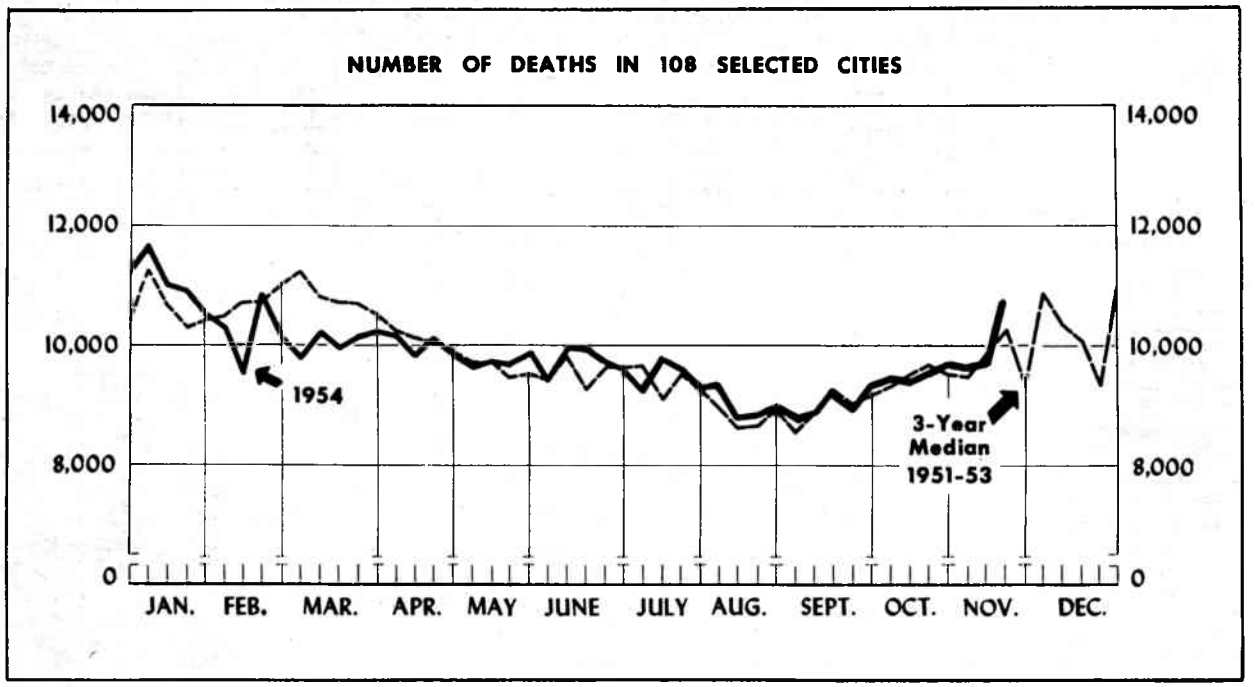
[2]Includes cases not specified by type, category number (080.3).
[3]Delayed cases.

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED NOVEMBER 21, 1953, AND NOVEMBER 20, 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) | | TRICHINIASIS (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 | 2,310 | 2,293 | 6 | 8 | 9 | 21 | 40 | 2 | 1,534 | 904 | 96 | 179 |
| NEW ENGLAND | 107 | 162 | - | - | - | 1 | 2 | - | 282 | 131 | - | - |
| Maine | 7 | 32 | - | - | - | 1 | 1 | - | 18 | 3 | - | - |
| New Hampshire | 5 | 11 | - | - | - | - | - | - | 7 | 2 | - | - |
| Vermont | 1 | 10 | - | - | - | - | - | - | - | 40 | - | - |
| Massachusetts | 52 | 72 | - | - | - | - | 1 | - | 88 | 53 | - | - |
| Rhode Island | - | 16 | - | - | - | - | - | - | 52 | 17 | - | - |
| Connecticut | 42 | 21 | - | - | - | - | - | - | 117 | 16 | - | - |
| MIDDLE ATLANTIC | 113 | 433 | 2 | - | - | 2 | 3 | - | 285 | 267 | 13 | 10 |
| New York | 59 | 312 | 1 | - | - | 1 | 1 | - | 112 | 189 | 13 | 10 |
| New Jersey | 10 | 36 | - | - | - | - | 1 | - | 38 | 32 | - | - |
| Pennsylvania | 44 | 85 | 1 | - | - | 1 | 1 | - | 135 | 46 | - | - |
| EAST NORTH CENTRAL | 300 | 321 | - | - | 3 | 1 | 5 | - | 338 | 213 | 18 | 35 |
| Ohio | 50 | 86 | - | - | - | - | 3 | - | 37 | 42 | 5 | 3 |
| Indiana | 87 | 59 | - | - | 1 | - | 1 | - | 31 | 20 | 9 | 20 |
| Illinois | 77 | 68 | - | - | 2 | 1 | - | - | 57 | 22 | 3 | 8 |
| Michigan | 62 | 68 | - | - | - | - | - | - | 116 | 105 | - | 3 |
| Wisconsin | 24 | 40 | - | - | - | - | 1 | - | 97 | 24 | 1 | 1 |
| WEST NORTH CENTRAL | 72 | 99 | - | 1 | - | 1 | - | - | 48 | 29 | 2 | 11 |
| Minnesota | 36 | 38 | - | - | - | - | - | - | 26 | 4 | 1 | 3 |
| Iowa | 12 | 19 | - | 1 | - | - | - | - | 5 | 16 | - | 2 |
| Missouri | --- | 11 | --- | --- | - | --- | - | --- | --- | 6 | --- | 6 |
| North Dakota | 10 | 6 | - | - | - | - | - | - | 13 | - | 1 | - |
| South Dakota | 2 | 5 | - | - | - | - | - | - | 1 | 1 | - | - |
| Nebraska | 5 | 8 | - | - | - | - | - | - | - | - | - | - |
| Kansas | 7 | 12 | - | - | - | 1 | - | - | 3 | 2 | - | - |
| SOUTH ATLANTIC | 259 | 214 | - | 1 | 2 | 7 | 7 | 2 | 127 | 38 | 24 | 41 |
| Delaware | 4 | 1 | - | - | - | - | - | - | 3 | - | - | - |
| Maryland | 28 | 11 | - | 1 | - | - | - | - | 21 | 9 | - | 1 |
| District of Columbia | 9 | 7 | - | - | - | - | - | - | 1 | 5 | - | - |
| Virginia | 71 | 58 | - | - | 2 | 1 | 3 | - | 42 | 7 | 5 | 7 |
| West Virginia | 16 | 25 | - | - | - | 1 | 3 | - | 36 | 4 | 5 | 16 |
| North Carolina | 60 | 62 | - | - | - | - | - | - | 21 | 2 | 5 | 2 |
| South Carolina | 13 | 12 | - | - | - | 2 | - | 1 | - | 9 | 4 | 11 |
| Georgia | 40 | 14 | - | - | - | 1 | 1 | 1 | 3 | - | 3 | 2 |
| Florida | 18 | 24 | - | - | - | 2 | - | - | - | 2 | 2 | 2 |
| EAST SOUTH CENTRAL | 49 | 78 | - | - | - | 1 | 12 | - | 124 | 69 | 10 | 35 |
| Kentucky | 14 | 15 | - | - | - | - | 4 | - | 43 | 30 | 4 | 11 |
| Tennessee | 22 | 33 | - | - | - | 1 | 4 | - | 40 | 13 | 1 | 15 |
| Alabama | 3 | 16 | - | - | - | - | - | - | 39 | 26 | 4 | 4 |
| Mississippi | 10 | 14 | - | - | - | - | 4 | - | 2 | - | 1 | 5 |
| WEST SOUTH CENTRAL | 761 | 652 | - | 4 | 3 | 2 | 7 | - | 117 | 69 | 25 | 41 |
| Arkansas | 48 | 45 | - | 2 | 1 | - | 4 | - | 1 | 9 | 4 | 10 |
| Louisiana | 7 | 5 | - | - | - | - | - | - | 5 | - | [4]3 | - |
| Oklahoma | 8 | 19 | - | 1 | - | 1 | 2 | - | 2 | 2 | - | 1 |
| Texas | 698 | 583 | - | 1 | 2 | 1 | 1 | - | 109 | 58 | 18 | 30 |
| MOUNTAIN | 385 | 87 | - | - | 1 | 4 | 4 | - | 45 | 17 | 2 | - |
| Montana | 11 | 5 | - | - | - | - | - | - | 1 | 10 | - | - |
| Idaho | 15 | 9 | - | - | - | - | - | - | 8 | - | - | - |
| Wyoming | 2 | 3 | - | - | 1 | - | - | - | 1 | - | - | - |
| Colorado | 45 | 10 | - | - | - | - | 3 | - | 2 | 2 | - | - |
| New Mexico | 107 | 29 | - | - | - | 4 | 1 | - | 3 | 1 | 2 | - |
| Arizona | 164 | 23 | - | - | - | - | - | - | 17 | 4 | - | - |
| Utah | 40 | 6 | - | - | - | - | - | - | 13 | - | - | - |
| Nevada | 1 | 2 | - | - | - | - | - | - | - | - | - | - |
| PACIFIC | 264 | 247 | 4 | 2 | - | 2 | - | - | 168 | 71 | 2 | 6 |
| Washington | 57 | 51 | 4 | 2 | - | - | - | - | 26 | 23 | - | - |
| Oregon | 39 | 15 | - | - | - | - | - | - | 15 | 13 | - | - |
| California | 168 | 181 | - | - | - | 2 | - | - | 127 | 35 | 2 | 6 |
| Alaska | 6 | - | - | - | - | - | - | - | - | - | - | - |
| Hawaii | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Puerto Rico | - | - | - | - | - | - | 1 | - | 76 | 13 | - | 1 |

[4]Report for October.




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 | 46th week ended Nov. 20, 1954 | 45th week ended Nov. 13, 1954 | 46th week median 1951-53 | Percent change, median to current week | CUMULATIVE NUMBER FOR FIRST 46 WEEKS | | |
|---|---|---|---|---|---|---|---|
| | | | | | 1954 | 1953 | Percent change |
| TOTAL: 106 REPORTING CITIES--------- | 10,694 | 9,709 | 10,215 | +4.7 | 447,395 | 460,906 | -2.9 |
| New England----------(14 cities) | 742 | 651 | 664 | +11.7 | 29,943 | 30,500 | -1.8 |
| Middle Atlantic----------(17 cities) | 3,152 | 2,863 | 2,995 | +5.2 | 131,681 | 137,464 | -4.2 |
| East North Central----------(18 cities) | 2,343 | 2,213 | 2,237 | +4.7 | 98,285 | 101,954 | -3.6 |
| West North Central----------(9 cities) | 788 | 683 | 768 | +2.6 | 33,780 | 35,062 | -3.7 |
| South Atlantic----------(9 cities) | 797 | 759 | 792 | +0.6 | 34,171 | 35,378 | -3.4 |
| East South Central----------(7 cities) | 495 | 337 | 392 | +26.3 | 19,422 | 20,031 | -3.0 |
| West South Central----------(12 cities) | 788 | 748 | 718 | +9.7 | 34,129 | 33,952 | +0.5 |
| Mountain----------(8 cities) | 253 | 241 | 233 | +8.6 | 10,381 | 11,041 | -6.0 |
| Pacific----------(12 cities) | 1,336 | 1,214 | 1,268 | +5.4 | 55,603 | 55,524 | +0.1 |

Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED NOVEMBER 20, 1954

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

| CITY | 46th week ended Nov. 20, 1954 | 45th week ended Nov. 13, 1954 | CUMULATIVE NUMBER FOR FIRST 46 WEEKS | |
|---|---|---|---|---|
| | | | 1954 | 1953 |
| **NEW ENGLAND** | | | | |
| Boston | 240 | 233 | 10,057 | 10,309 |
| Bridgeport | 43 | 32 | 1,598 | 1,530 |
| Cambridge | 29 | 24 | 1,237 | 1,266 |
| Fall River | 29 | 23 | 1,230 | 1,287 |
| Hartford | 64 | 55 | 2,102 | 2,077 |
| Lowell | 31 | 19 | 1,233 | 1,166 |
| Lynn | 28 | 24 | 983 | 1,020 |
| New Bedford | 25 | 20 | 1,032 | 1,050 |
| New Haven | 48 | 45 | 1,942 | 1,982 |
| Providence | 68 | 58 | 2,758 | 2,742 |
| Somerville | 12 | 14 | 655 | 687 |
| Springfield, Mass. | 44 | 39 | 1,780 | 1,791 |
| Waterbury | 24 | 23 | 1,069 | 1,175 |
| Worcester | 57 | 42 | 2,267 | 2,418 |
| **MIDDLE ATLANTIC** | | | | |
| Albany | 53 | 39 | 2,071 | 2,076 |
| Allentown | (35) | (27) | (1,524) | --- |
| Buffalo | 148 | 152 | 6,153 | 6,512 |
| Camden | 30 | 28 | 1,679 | 1,651 |
| Elizabeth | 36 | 48 | 1,292 | 1,245 |
| Erie | 35 | 26 | 1,515 | 1,573 |
| Jersey City | 79 | 65 | 3,117 | 3,159 |
| Newark, N. J. | 109 | 79 | 4,415 | 4,762 |
| New York City | 1,536 | 1,506 | 69,155 | 72,122 |
| Paterson | 46 | 30 | 1,720 | 1,773 |
| Philadelphia | 501 | 448 | 20,847 | 22,161 |
| Pittsburgh | 253 | 178 | 7,295 | 7,784 |
| Reading | (21) | (15) | (929) | --- |
| Rochester, N. Y. | 98 | 91 | 4,150 | 4,286 |
| Schenectady | 29 | 17 | 1,105 | 1,077 |
| Scranton | (43) | (51) | (1,546) | --- |
| Syracuse | 60 | 51 | 2,494 | 2,477 |
| Trenton | 63 | 43 | 2,054 | 2,147 |
| Utica | 44 | 33 | 1,377 | 1,437 |
| Yonkers | 32 | 29 | 1,242 | 1,222 |
| **EAST NORTH CENTRAL** | | | | |
| Akron | 53 | 47 | 2,460 | 2,571 |
| Canton | 31 | 25 | 1,285 | 1,298 |
| Chicago | 754 | 722 | 32,605 | 33,753 |
| Cincinnati | 163 | 164 | 6,326 | 6,825 |
| Cleveland | 234 | 213 | 9,018 | 9,391 |
| Columbus | 125 | 105 | 4,592 | 4,744 |
| Dayton | 62 | 78 | 2,836 | 2,820 |
| Detroit | 320 | 361 | 14,039 | 14,423 |
| Evansville | 32 | 31 | 1,334 | 1,477 |
| Flint | 40 | 37 | 1,694 | 1,646 |
| Fort Wayne | 30 | 24 | 1,158 | 1,418 |
| Gary | (20) | (24) | (1,166) | --- |
| Grand Rapids | 51 | 25 | 1,785 | 1,774 |
| Indianapolis | 112 | 95 | 5,006 | 5,134 |
| Milwaukee | 128 | 106 | 5,484 | 5,545 |
| Peoria | 27 | 21 | 1,353 | 1,410 |
| South Bend | 25 | 21 | 1,055 | 1,060 |
| Toledo | 97 | 93 | 4,037 | 4,213 |
| Youngstown | 59 | 45 | 2,218 | 2,452 |
| **WEST NORTH CENTRAL** | | | | |
| Des Moines | 55 | 51 | 2,281 | 2,261 |
| Duluth | 36 | 26 | 1,214 | 1,217 |
| Kansas City, Kans. | 33 | 25 | 1,508 | 1,527 |
| Kansas City, Mo. | 102 | 123 | 5,355 | 5,543 |
| Minneapolis | 126 | 113 | 5,215 | 5,749 |
| Omaha | 56 | 67 | 2,768 | 2,916 |
| **WEST NORTH CENTRAL—Con.** | | | | |
| St. Louis | 293 | 199 | 10,600 | 11,122 |
| St. Paul | 55 | 63 | 2,932 | 2,900 |
| Wichita | 32 | 16 | 1,907 | 1,827 |
| **SOUTH ATLANTIC** | | | | |
| Atlanta | 125 | 108 | 4,752 | 4,732 |
| Baltimore | 236 | 207 | 9,744 | 10,273 |
| Charlotte | 30 | 44 | 1,364 | 1,324 |
| Jacksonville | (51) | (49) | (2,206) | --- |
| Miami | 57 | 44 | 2,780 | 2,688 |
| Norfolk | 28 | 30 | 1,296 | 1,454 |
| Richmond | 60 | 81 | 2,877 | 2,933 |
| Savannah | (31) | (34) | (1,263) | --- |
| Tampa | 46 | 48 | 2,352 | 2,392 |
| Washington, D. C. | 180 | 171 | 7,533 | 8,066 |
| Wilmington, Del. | 35 | 26 | 1,473 | 1,516 |
| **EAST SOUTH CENTRAL** | | | | |
| Birmingham | 83 | 72 | 3,355 | 3,297 |
| Chattanooga | 38 | 29 | 1,942 | 2,064 |
| Knoxville | --- | (33) | --- | (1,504) |
| Louisville | 121 | 89 | 4,832 | 4,809 |
| Memphis | 129 | 42 | 4,389 | 4,824 |
| Mobile | 39 | 36 | 1,463 | 1,444 |
| Montgomery | 31 | 23 | 1,193 | 1,227 |
| Nashville | 54 | 46 | 2,248 | 2,366 |
| **WEST SOUTH CENTRAL** | | | | |
| Austin | 25 | 26 | 1,150 | 1,143 |
| Baton Rouge | 22 | 44 | 979 | 744 |
| Corpus Christi | 19 | 11 | 792 | 761 |
| Dallas | 91 | 110 | 4,549 | 4,332 |
| El Paso | --- | (23) | --- | (1,294) |
| Fort Worth | 45 | 56 | 2,552 | 2,575 |
| Houston | 138 | 129 | 5,476 | 5,570 |
| Little Rock | 49 | 32 | 1,850 | 1,946 |
| New Orleans | 163 | 148 | 6,785 | 7,185 |
| Oklahoma City | 58 | 56 | 2,665 | 2,450 |
| San Antonio | 94 | 88 | 3,545 | 3,692 |
| Shreveport | 52 | 29 | 1,781 | 1,802 |
| Tulsa | 32 | 19 | 2,005 | 1,752 |
| **MOUNTAIN** | | | | |
| Albuquerque | 37 | 28 | 1,207 | 1,222 |
| Colorado Springs | 15 | 18 | 544 | 603 |
| Denver | 115 | 95 | 4,598 | 4,895 |
| Ogden | 12 | 10 | 509 | 564 |
| Phoenix | 21 | 22 | 934 | 1,011 |
| Pueblo | 11 | 19 | 610 | 624 |
| Salt Lake City | 40 | 43 | 1,792 | 1,887 |
| Tucson | 2 | 6 | 187 | 235 |
| **PACIFIC** | | | | |
| Berkeley | 19 | 20 | 802 | 770 |
| Long Beach | 64 | 40 | 2,209 | 2,096 |
| Los Angeles | 475 | 450 | 19,796 | 19,961 |
| Oakland | 88 | 111 | 4,165 | 4,237 |
| Pasadena | 34 | 48 | 1,496 | 1,560 |
| Portland, Oreg. | 106 | 83 | 4,414 | 4,464 |
| Sacramento | 52 | 61 | 2,082 | 2,114 |
| San Diego | 79 | 78 | 3,272 | 3,188 |
| San Francisco | 202 | 170 | 8,349 | 8,518 |
| Seattle | 145 | 101 | 5,476 | 5,232 |
| Spokane | 34 | 29 | 2,005 | 1,911 |
| Tacoma | 38 | 23 | 1,537 | 1,473 |
| Honolulu | (35) | (34) | (1,539) | (1,454) |

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

EPIDEMIOLOGICAL REPORTS—Continued

and greens), which was prepared in the home of a relative, was suspected to be the vehicle of infection. None of this food was available for laboratory examination, but one of the persons who helped prepare this dish was found to be a carrier of Salmonella typhosa. The same organism was found in specimens of the 12 patients.

Gastro-enteritis

The California Department of Public Health reports an outbreak of gastro-enteritis among approximately 400 persons in a school. Of these, about 100 became ill from 1 to 16 hours after eating in the school cafeteria. Their illness was characterized by nausea, vomiting, abdominal cramps, and diarrhea. Mashed potatoes, served at noon and again at 6:00 p.m., was suspected to be the vehicle of infection. None of the food was available for bacteriological examination. Specimens (stool and vomitus) of 3 patients examined in 2 laboratories showed no pathogens. However, "wet mounts and stained smears" of the original material revealed pus cells in considerable abundance, but the type of organism was not definitely established.

The New York Department of Health reports 2 outbreaks of gastro-enteritis. One was in an institution where 80 persons became ill with vomiting and mild diarrhea. Of 28 cultures, 21 were negative, 5 showed Shigella sonnei, and 2 showed S. flexner. An investigation revealed that the disease was probably spread by contact. The other outbreak was in a camp and involved 40 cases of a mild afebrile gastro-enteritis. The mode of spread was not determined.

GPO 884354