



Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

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CURRENT TRENDS IMMUNIZATION SURVEY - United States 1971

The 1971 United States Immunization Survey was conducted in September by the Bureau of the Census in cooperation with the Center for Disease Control (1). Information was obtained on the measles, rubella, poliomyelitis, and diphtheria-tetanus-pertussis (DTP) immunization status of specified age groups. The data were collected by the Bureau through a supplemental questionnaire attached to their monthly Current Population Survey which regularly obtains information from 37,500 randomly selected households in the United States.

The trends for the immunization levels of preschool children (1-4 years of age) against measles, polio, and DTP are shown in Figures 1-3 and Tables 1-3. All three immunization levels have increased significantly over their respective 1970 levels. Measles showed the sharpest increase, returning almost to its high in 1969. The level of immunization against polio increased for the first time since 1966, while DTP

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reached its highest level since the survey began in 1962. The proportion of persons 1-4 years of age who have received rubella vaccine has increased from 37.2 percent in 1970 to 51.2 in 1971.

The immunization levels of preschool children residing within central city poverty areas (population ≥ 250,000) have also increased significantly (Table 4).

(Continued on page 436)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

| DISEASE | 48th WEEK ENDED | | MEDIAN 1966 - 1970 | CUMULATIVE, FIRST 48 WEEKS | | |
|---|---------------------|---------------------|-----------------------|----------------------------|--------|-----------------------|
| | December 4, 1971 | December 5, 1970 | | 1971 | 1970 | MEDIAN 1966 - 1970 |
| Aseptic meningitis | 108 | 123 | 56 | 4,860 | 5,827 | 3,280 |
| Brucellosis | - | 1 | 7 | 153 | 197 | 217 |
| Diphtheria | 11 | 13 | 8 | 182 | 414 | 187 |
| Encephalitis, primary: | | | | | | |
| Arthropod-borne & unspecified | 31 | 37 | 33 | 1,428 | 1,475 | 1,475 |
| Encephalitis, post-infectious | 3 | 4 | 4 | 313 | 356 | 440 |
| Hepatitis, serum | 208 | 151 | 93 | 8,118 | 6,771 | 4,282 |
| Hepatitis, infectious | 1,328 | 1,086 | 833 | 56,091 | 52,256 | 42,176 |
| Malaria | 25 | 71 | 54 | 2,736 | 3,225 | 2,201 |
| Measles (rubeola) | 283 | 686 | 646 | 73,075 | 43,973 | 43,973 |
| Meningococcal infections, total | 32 | 44 | 44 | 2,057 | 2,271 | 2,356 |
| Civilian | 29 | 36 | 38 | 1,840 | 1,995 | 2,159 |
| Military | 3 | 8 | 2 | 217 | 276 | 237 |
| Mumps | 1,900 | 2,401 | - - - | 113,903 | 93,191 | - - - |
| Poliomyelitis, total | - | 1 | 1 | 11 | 27 | 43 |
| Paralytic | - | 1 | - | 8 | 27 | 32 |
| Rubella (German measles) | 301 | 569 | 375 | 42,012 | 53,689 | 46,991 |
| Tetanus | 4 | 3 | 3 | 103 | 126 | 153 |
| Tularemia | 3 | 3 | 1 | 171 | 144 | 156 |
| Typhoid fever | 9 | 14 | 6 | 393 | 333 | 352 |
| Typhus, tick-borne (Rky. Mt. spotted fever) | 2 | 2 | 2 | 400 | 337 | 297 |
| Rabies in animals | 51 | 62 | 61 | 3,632 | 2,813 | 3,138 |

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

| | Cum. | | Cum. |
|--|------|-----------------------------|------|
| Anthrax | 4 | Psittacosis | 35 |
| Botulism | 15 | Rabies in Man | 1 |
| Leprosy | 108 | Rubella congenital syndrome | 53 |
| Leptospirosis: Ala.-1, Fla.-4, Okla.-1 | 41 | Trichinosis: N.Y. Ups.-1 | 89 |
| Plague | 1 | Typhus, murine | 23 |

IMMUNIZATION SURVEY - (Continued from front page)

(Reported by the Immunization Branch, State and Community Services Division, CDC.)

Reference

1. Center for Disease Control: United States Immunization Survey 1971, in press

Figure 1
DIPHTHERIA-TETANUS-PERTUSSIS IMMUNIZATION
1-4 YEAR AGE GROUP
UNITED STATES 1962-1971

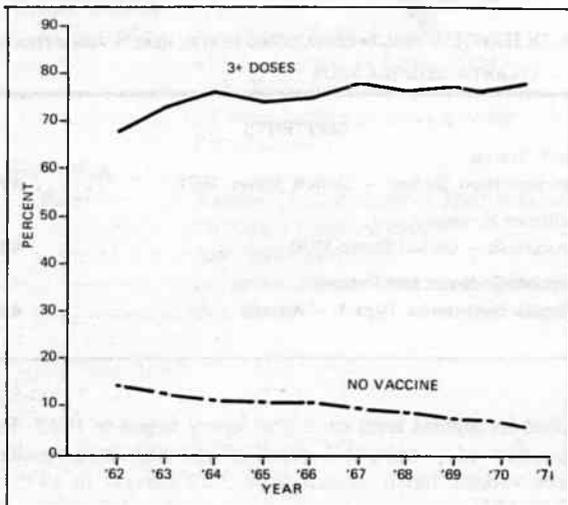


Figure 2
POLIO IMMUNIZATION, 1-4 YEAR AGE GROUP
UNITED STATES 1959-1971

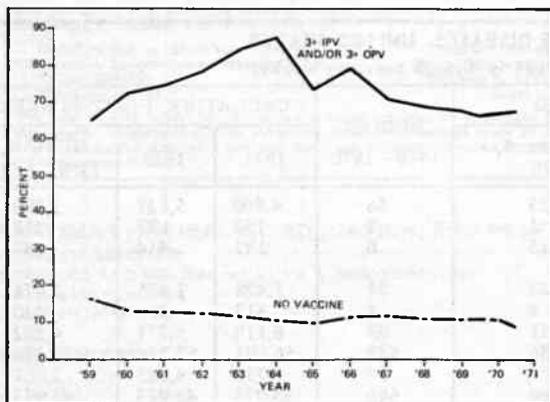


Table 1
Percent of Population, 1-4 Years of Age, Receiving Specified Doses of
Diphtheria-Tetanus-Pertussis Vaccine
United States 1962-1971

| | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|----------|------|------|------|------|------|------|------|------|------|------|
| 3+ Doses | 67.8 | 72.9 | 76.0 | 73.9 | 74.5 | 77.9 | 76.5 | 77.4 | 76.1 | 78.7 |
| No Doses | 14.1 | 12.7 | 11.4 | 10.9 | 10.8 | 9.3 | 8.6 | 7.2 | 7.0 | 5.8 |

Table 2
Percent of Population, 1-4 Years of Age, Receiving Specified Doses of Polio Vaccine
United States 1959-1971

| | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3+ OPV and/or 3+ IPV | 65.0 | 72.2 | 74.3 | 78.4 | 84.1 | 87.6 | 73.9 | 78.9 | 70.9 | 68.3 | 67.7 | 65.9 | 67.3 |
| No Doses | 16.2 | 13.4 | 12.9 | 12.3 | 11.9 | 10.2 | 9.9 | 11.3 | 11.7 | 10.5 | 10.2 | 10.8 | 8.6 |

Figure 3
HISTORY OF MEASLES VACCINE, MEASLES INFECTION,
AND MEASLES VACCINE AND/OR INFECTION,
1-4 YEAR AGE GROUP
UNITED STATES 1964-1971

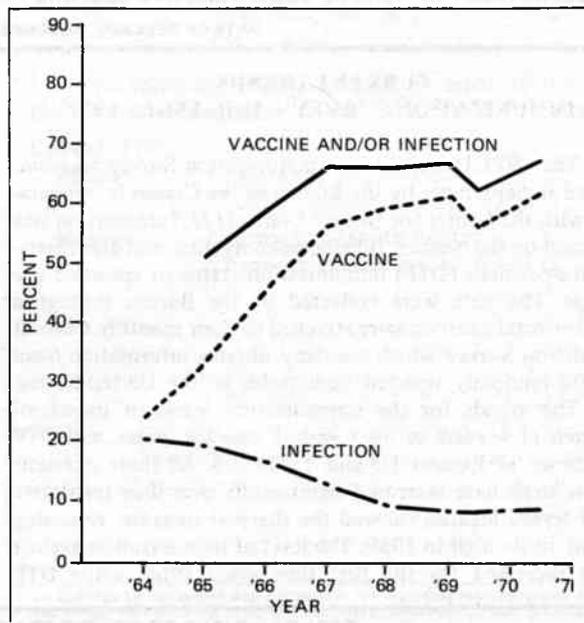


Table 3
Percent of Population, 1-4 Years of Age, with Measles Vaccine,
Measles Infection, Measles Vaccine and/or Infection
United States 1964-1971

| | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 |
|--------------------------|------|------|------|------|------|------|------|------|
| Vaccine | 24.0 | 33.2 | 45.4 | 56.4 | 58.8 | 61.4 | 57.2 | 61.0 |
| Infection | 20.5 | 19.7 | 16.7 | 12.8 | 9.7 | 8.3 | 8.1 | 8.7 |
| Vaccine and/or Infection | - | 51.0 | 59.0 | 66.2 | 66.0 | 66.9 | 62.3 | 66.6 |

Table 4
Percent of Population, 1-4 Years of Age, in Poverty Areas
Within Central Cities ≥ 250,000 Receiving Specified Vaccines
United States 1969-1971

| Vaccine | 1969 | 1970 | 1971 |
|------------------------------|------|------|------|
| Measles | 46.1 | 41.1 | 48.7 |
| Polio (3+ OPV and/or 3+ IPV) | 55.1 | 50.9 | 54.3 |
| DTP (3+ Doses) | 65.1 | 55.8 | 58.4 |
| Rubella | - | 41.5 | 52.0 |

SURVEILLANCE SUMMARY
BRUCELLOSIS – United States 1970

In the United States in 1970, a total of 230 cases of brucellosis in humans were reported, a decrease of three from the total reported in 1969. One outbreak in an abattoir accounted for 53 of the 230 cases. CDC received case surveillance reports on 202 cases (88 percent). Recrudescence of acute brucellosis was noted in 22 of the 202 reports (11 percent).

Thirty-four states reported cases in 1970, compared with 30 in 1969 and 35 in 1968. As in 1969, California, Iowa, and Virginia accounted for more than 51 percent of the reported cases. California, Iowa, Oklahoma, Texas, and Virginia reported 66 percent of the year's total cases. The greatest increase in cases was reported from Iowa, while Virginia reported the greatest decrease. Delaware and Nevada did not record any cases for this period; three states have reported no cases since 1965.

One-third of 185 cases for which date of onset was known occurred in the spring. Approximately two-thirds of the cases occurred between April and August. More cases had onset in March than in any other month.

Brucellosis remains a disease that affects young and middle-aged adults, primarily males. Men between the ages of 20 and 55 years accounted for 145 (71 percent) of the 205 cases where age and sex were reported; 169 of the 205 patients (82 percent) were males.

In 192 cases where symptoms were recorded, fever, chills, sweating, malaise, weakness, body aches, headache, and weight loss predominated. Abscesses were reported in

two cases, and osteomyelitis was found in one case.

Of 86 patients whose blood was known to have been cultured, 44 (51 percent) were positive for *Brucella*. Of the 44 isolates, 26 were *B. suis*, 12 were *B. abortus*, three were *B. melitensis*, two were *B. canis*, and one was unknown. Of the 202 reports, 85 (42 percent) recorded swine as the most probable source of infection, 21 (10 percent) were associated with cattle only, and 31 (15 percent) mentioned cattle and swine. Only six cases (3 percent) were attributed to raw milk ingestion. Seven patients had eaten imported cheese; however, since there was no follow-up investigation, these cases are listed with those 47 cases (23 percent) in which the source of infection was unknown.

In 1970, 116 of the 202 case reports received (57 percent) were on persons working in packing plants (Table 5). Swine were the source of infection in 78 of these cases (67 percent). Most of these people worked in "kill areas," although others worked in cooler rooms and in finished-product preparation areas. Several infections occurred in personnel such as maintenance men, mechanics, and a salesman, who did not handle raw meat. Livestock producers accounted for 16 (8 percent) of the total number of cases. The most likely source of exposure for over half of these 16 people was cattle. Two of the 202 cases (1 percent) involved veterinarians.

(Reported by the Office of Veterinary Public Health Services, Epidemiology Program, CDC.)

Table 5
Occupation and Most Probable Source of Infection for 202* Cases of Human Brucellosis, United States, 1970**

| Classification | Occupation | Most Probable Source of Infection | | | | | | | | | Total | Percent of Total | Recrudescence | |
|--------------------------|----------------------|-----------------------------------|--------|-------|-----------------|----------------------------------|----------|-------------------|---------------------|---------|-------|------------------|---------------|----|
| | | Swine | Cattle | Sheep | Cattle or Swine | Swine, Cattle or Sheep and Goats | Raw Milk | Strain 19 Vaccine | Laboratory Acquired | Unknown | | | | |
| Meat Processing Industry | Packing House | 77 | 10 | | 19 | 1 | | | | | 6 | 113 | 55.9 | 10 |
| | Rendering Plant | 1 | | | | 2 | | | | | 3 | 1.5 | | |
| | Government Inspector | 1 | | | 2 | | | | | | 3 | 1.5 | | |
| Livestock Industry | Livestock Producer | 2 | 10 | 1 | 2 | | 1 | | | | 16 | 7.9 | 3 | |
| | Livestock Market | 1 | | | | | | | | | 1 | 0.5 | | |
| | Veterinarian | | | | 1 | | | 1 | | | 2 | 1.0 | | |
| Other Categories | Housewife | | | | | | | | | | 7 | 7 | 3.5 | |
| | Student or Child | | | | | | 2 | | | | 2 | 4 | 2.0 | |
| | Laboratory Workers | | | | | | | | 6 | | 6 | 6 | 3.0 | |
| | Other | 3 | 1 | | 7 | | 3 | | 1 | | 18 | 33 | 16.3 | 9 |
| | Unknown | | 1 | | | | | | | | 14 | 14 | 6.9 | |
| Total | | 85 | 21 | 1 | 31 | 3 | 6 | 1 | 7 | 47 | 202 | 100.0 | 22 | |
| Percent of Total | | 42.1 | 10.4 | 0.5 | 15.3 | 1.5 | 3.0 | 0.5 | 3.5 | 23.3 | 100.0 | | | |

*202 reports received with occupation and source data of 230 cases reported

**Provisional data

EPIDEMIOLOGIC NOTES AND REPORTS
SHIGELLA DYSENTERIAE TYPE 1 – Arizona

On Sept. 10, 1971, a 68-year-old Yaqui Indian woman from Tucson, Arizona, had onset of bloody diarrhea, abdominal cramps, and dehydration. Because her symptoms became

more severe, she was hospitalized and treated with gentamicin sulfate, cephalothin, and intravenous fluids. She failed to re-

(Continued on page 442)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

DECEMBER 4, 1971 AND DECEMBER 5, 1970 (48th WEEK)

| AREA | ASEPTIC MENIN- GITIS | BRUCEL- LOSIS | DIPH- THERIA | ENCEPHALITIS | | | HEPATITIS | | | MALARIA | |
|-------------------------|----------------------------|------------------|-----------------|----------------------------------|------|----------------------|-----------|------------|-------|---------|--------------|
| | | | | Primary including unsp. cases | | Post In- fectious | Serum | Infectious | | 1971 | Cum. 1971 |
| | | | | 1971 | 1970 | 1971 | 1971 | 1971 | 1970 | | |
| UNITED STATES..... | 108 | - | 11 | 31 | 37 | 3 | 208 | 1,328 | 1,086 | 25 | 2,736 |
| NEW ENGLAND..... | - | - | - | - | 2 | - | 6 | 80 | 129 | 1 | 82 |
| Maine..... | - | - | - | - | - | - | - | 8 | 24 | - | 5 |
| New Hampshire.*..... | - | - | - | - | - | - | - | 4 | 6 | - | - |
| Vermont..... | - | - | - | - | - | - | - | 14 | 13 | - | 1 |
| Massachusetts..... | - | - | - | - | 1 | - | 2 | 30 | 57 | - | 57 |
| Rhode Island..... | - | - | - | - | - | - | 3 | 7 | 10 | - | 8 |
| Connecticut..... | - | - | - | - | 1 | - | 1 | 17 | 19 | 1 | 11 |
| MIDDLE ATLANTIC..... | 39 | - | - | 5 | 2 | 1 | 93 | 202 | 194 | 1 | 267 |
| New York City..... | - | - | - | - | - | - | 39 | 46 | 41 | - | 24 |
| New York, Up-State... | 9 | - | - | 3 | - | - | 18 | 50 | 38 | 1 | 73 |
| New Jersey..... | 25 | - | - | - | 1 | - | 29 | 48 | 75 | - | 113 |
| Pennsylvania..... | 5 | - | - | 2 | 1 | 1 | 7 | 58 | 40 | - | 57 |
| EAST NORTH CENTRAL..... | 26 | - | - | 11 | 12 | - | 27 | 235 | 160 | 8 | 188 |
| Ohio..... | 6 | - | - | 5 | 2 | - | 9 | 44 | 54 | 2 | 25 |
| Indiana..... | 7 | - | - | 3 | - | - | 1 | 5 | 13 | - | 14 |
| Illinois*..... | 2 | - | - | 2 | 1 | - | 9 | 91 | 26 | 6 | 59 |
| Michigan..... | 10 | - | - | 1 | 4 | - | 6 | 87 | 61 | - | 55 |
| Wisconsin.*..... | 1 | - | - | - | 5 | - | 2 | 8 | 6 | - | 35 |
| WEST NORTH CENTRAL..... | 4 | - | 2 | - | 2 | - | 1 | 62 | 35 | 1 | 248 |
| Minnesota..... | - | - | - | - | - | - | 1 | 6 | 4 | - | 36 |
| Iowa..... | - | - | - | - | 1 | - | - | 7 | 9 | - | 26 |
| Missouri..... | - | - | - | - | - | - | - | 16 | 3 | 1 | 28 |
| North Dakota..... | - | - | - | - | - | - | - | 5 | 4 | - | 3 |
| South Dakota..... | - | - | 2 | - | - | - | - | 13 | 1 | - | 2 |
| Nebraska..... | - | - | - | - | - | - | - | - | - | - | 14 |
| Kansas..... | 4 | - | - | - | 1 | - | - | 15 | 14 | - | 139 |
| SOUTH ATLANTIC..... | 7 | - | - | 4 | 11 | - | 24 | 192 | 103 | 1 | 407 |
| Delaware..... | - | - | - | - | - | - | - | 5 | 2 | - | 2 |
| Maryland..... | - | - | - | - | 1 | - | 4 | 19 | 17 | - | 52 |
| Dist. of Columbia... | - | - | - | - | - | - | - | 1 | 1 | - | 4 |
| Virginia..... | 1 | - | - | 2 | 5 | - | 4 | 29 | 24 | - | 67 |
| West Virginia..... | - | - | - | 1 | - | - | - | 14 | 7 | - | 7 |
| North Carolina..... | 1 | - | - | - | 1 | - | 5 | 25 | 13 | 1 | 143 |
| South Carolina..... | - | - | - | 1 | - | - | - | 3 | 11 | - | 20 |
| Georgia..... | - | - | - | - | - | - | - | 21 | 1 | - | 68 |
| Florida..... | 5 | - | - | - | 4 | - | 11 | 75 | 27 | - | 44 |
| EAST SOUTH CENTRAL..... | 6 | - | 4 | 1 | 3 | - | 3 | 54 | 87 | 1 | 291 |
| Kentucky..... | 1 | - | - | 1 | - | - | - | 14 | 38 | - | 259 |
| Tennessee..... | 4 | - | - | - | - | - | 3 | 30 | 37 | - | - |
| Alabama..... | - | - | 4 | - | 3 | - | - | 3 | 10 | - | 22 |
| Mississippi..... | 1 | - | - | - | - | - | - | 7 | 2 | 1 | 10 |
| WEST SOUTH CENTRAL..... | 4 | - | 5 | 3 | 1 | 1 | 8 | 126 | 77 | 1 | 526 |
| Arkansas..... | - | - | - | - | - | 1 | - | 4 | - | - | 20 |
| Louisiana.*..... | 2 | - | 2 | - | - | - | - | 3 | 20 | - | 39 |
| Oklahoma..... | - | - | - | 2 | 1 | - | 1 | 21 | 5 | - | 71 |
| Texas..... | 2 | - | 3 | 1 | - | - | 7 | 98 | 52 | 1 | 396 |
| MOUNTAIN..... | 2 | - | - | - | - | - | 6 | 81 | 47 | 1 | 161 |
| Montana..... | 1 | - | - | - | - | - | - | 14 | 7 | - | 2 |
| Idaho..... | - | - | - | - | - | - | - | 5 | 11 | - | 6 |
| Wyoming..... | - | - | - | - | - | - | 2 | - | 1 | - | 3 |
| Colorado..... | - | - | - | - | - | - | 3 | 8 | - | 1 | 124 |
| New Mexico..... | - | - | - | - | - | - | - | 8 | 9 | - | 11 |
| Arizona..... | 1 | - | - | - | - | - | - | 24 | 10 | - | 10 |
| Utah..... | - | - | - | - | - | - | 1 | 9 | 9 | - | 3 |
| Nevada..... | - | - | - | - | - | - | - | 13 | - | - | 2 |
| PACIFIC..... | 20 | - | - | 7 | 4 | 1 | 40 | 296 | 254 | 10 | 566 |
| Washington..... | - | - | - | 1 | 1 | - | 2 | 39 | 45 | - | 2 |
| Oregon..... | 1 | - | - | 1 | - | 1 | 1 | 39 | 47 | - | 20 |
| California..... | 19 | - | - | 5 | 3 | - | 37 | 216 | 154 | 10 | 482 |
| Alaska..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 6 |
| Hawaii..... | - | - | - | - | - | - | - | 2 | 8 | - | 56 |
| Puerto Rico..... | --- | --- | --- | --- | --- | --- | --- | --- | 27 | --- | 24 |
| Virgin Islands..... | - | - | - | - | - | - | - | 1 | - | - | 1 |

*Delayed reports: Aseptic meningitis: La. 2
 Brucellosis: Ill. 4
 Hepatitis, serum: Ill. 3
 Hepatitis, infectious: N.H. 2, Ill. 25
 Malaria: Wis. 5

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
DECEMBER 4, 1971 AND DECEMBER 5, 1970 (48th WEEK) - CONTINUED

| AREA | MEASLES (Rubeola) | | | MENINGOCOCCAL INFECTIONS, TOTAL | | | MUMPS | | POLIOMYELITIS | | |
|-------------------------|-------------------|------------|--------|------------------------------------|------------|-------|-------|--------------|---------------|-----------|------|
| | 1971 | Cumulative | | 1971 | Cumulative | | 1971 | Cum. 1971 | Total 1971 | Paralytic | |
| | | 1971 | 1970 | | 1971 | 1970 | | | | 1971 | 1971 |
| UNITED STATES..... | 283 | 73,075 | 43,973 | 32 | 2,057 | 2,271 | 1,900 | 113,903 | - | - | 8 |
| NEW ENGLAND..... | 4 | 3,507 | 1,116 | 1 | 97 | 98 | 119 | 6,812 | - | - | - |
| Maine*..... | 2 | 1,483 | 382 | - | 9 | 5 | 22 | 1,266 | - | - | - |
| New Hampshire*..... | 1 | 214 | 61 | - | 21 | 9 | 3 | 675 | - | - | - |
| Vermont..... | - | 121 | 8 | - | - | 8 | 12 | 451 | - | - | - |
| Massachusetts..... | - | 259 | 438 | 1 | 36 | 39 | 38 | 1,689 | - | - | - |
| Rhode Island..... | 1 | 241 | 120 | - | 3 | 6 | 13 | 1,265 | - | - | - |
| Connecticut..... | - | 1,189 | 107 | - | 28 | 31 | 31 | 1,466 | - | - | - |
| MIDDLE ATLANTIC..... | 19 | 7,697 | 5,175 | 2 | 271 | 421 | 60 | 6,687 | - | - | - |
| New York City..... | 4 | 3,800 | 1,026 | - | 55 | 87 | 41 | 1,973 | - | - | - |
| New York, Up-State... | - | 697 | 377 | - | 83 | 78 | NN | NN | - | - | - |
| New Jersey*..... | 14 | 1,269 | 1,725 | 1 | 60 | 177 | 5 | 1,789 | - | - | - |
| Pennsylvania..... | 1 | 1,931 | 2,047 | 1 | 73 | 79 | 14 | 2,925 | - | - | - |
| EAST NORTH CENTRAL..... | 107 | 16,432 | 10,330 | 6 | 240 | 260 | 551 | 44,852 | - | - | - |
| Ohio..... | 3 | 4,058 | 3,880 | 3 | 78 | 92 | 143 | 8,476 | - | - | - |
| Indiana..... | 28 | 2,900 | 278 | 1 | 20 | 23 | 28 | 5,326 | - | - | - |
| Illinois*..... | 12 | 3,204 | 3,171 | 1 | 67 | 67 | 41 | 4,803 | - | - | - |
| Michigan..... | 38 | 2,561 | 1,822 | 1 | 60 | 66 | 96 | 10,220 | - | - | - |
| Wisconsin..... | 26 | 3,709 | 1,179 | - | 15 | 12 | 243 | 16,027 | - | - | - |
| WEST NORTH CENTRAL..... | 48 | 7,202 | 3,924 | 4 | 147 | 118 | 353 | 8,874 | - | - | - |
| Minnesota..... | - | 57 | 40 | - | 27 | 19 | 12 | 1,294 | - | - | - |
| Iowa..... | 46 | 2,610 | 1,172 | 1 | 13 | 14 | 294 | 4,780 | - | - | - |
| Missouri..... | - | 2,606 | 1,277 | 2 | 51 | 63 | 5 | 1,082 | - | - | - |
| North Dakota..... | - | 240 | 321 | - | 6 | 5 | 12 | 381 | - | - | - |
| South Dakota..... | - | 221 | 104 | - | 6 | 1 | 12 | 269 | - | - | - |
| Nebraska..... | - | 69 | 941 | - | 15 | 8 | 6 | 208 | - | - | - |
| Kansas..... | 2 | 1,399 | 69 | 1 | 29 | 8 | 12 | 860 | - | - | - |
| SOUTH ATLANTIC..... | 41 | 8,770 | 7,448 | 9 | 369 | 447 | 115 | 8,217 | - | - | 1 |
| Delaware..... | - | 42 | 268 | - | 2 | 3 | 1 | 183 | - | - | - |
| Maryland..... | 1 | 555 | 1,387 | 1 | 52 | 45 | 11 | 743 | - | - | - |
| Dist. of Columbia... | - | 16 | 345 | - | 14 | 3 | - | 99 | - | - | - |
| Virginia..... | 1 | 1,613 | 2,069 | 2 | 44 | 46 | 11 | 1,042 | - | - | - |
| West Virginia..... | 8 | 560 | 331 | 1 | 12 | 13 | 52 | 2,405 | - | - | - |
| North Carolina..... | 1 | 1,958 | 917 | 4 | 70 | 96 | NN | NN | - | - | - |
| South Carolina..... | 2 | 925 | 614 | - | 20 | 46 | 2 | 900 | - | - | - |
| Georgia..... | - | 1,133 | 18 | - | 25 | 41 | - | 11 | - | - | 1 |
| Florida..... | 28 | 1,968 | 1,499 | 1 | 130 | 154 | 38 | 2,834 | - | - | - |
| EAST SOUTH CENTRAL..... | 21 | 8,441 | 1,693 | 1 | 187 | 161 | 146 | 8,547 | - | - | - |
| Kentucky..... | 2 | 3,970 | 918 | - | 53 | 59 | 39 | 2,481 | - | - | - |
| Tennessee..... | - | 1,025 | 444 | 1 | 75 | 66 | 96 | 4,906 | - | - | - |
| Alabama, f..... | 9 | 1,963 | 224 | - | 33 | 24 | 9 | 1,005 | - | - | - |
| Mississippi..... | 10 | 1,483 | 107 | - | 26 | 12 | 2 | 155 | - | - | - |
| WEST SOUTH CENTRAL..... | 11 | 12,668 | 8,870 | 1 | 179 | 281 | 135 | 9,209 | - | - | 3 |
| Arkansas..... | - | 778 | 30 | - | 5 | 23 | 5 | 155 | - | - | - |
| Louisiana, f..... | 2 | 1,703 | 196 | 1 | 67 | 70 | 2 | 146 | - | - | - |
| Oklahoma..... | - | 757 | 804 | - | 10 | 22 | 7 | 195 | - | - | - |
| Texas..... | 9 | 9,430 | 7,840 | - | 97 | 166 | 121 | 8,713 | - | - | 3 |
| MOUNTAIN..... | 4 | 3,504 | 2,112 | - | 64 | 51 | 100 | 4,671 | - | - | 2 |
| Montana..... | - | 925 | 101 | - | 7 | 1 | 21 | 434 | - | - | - |
| Idaho..... | - | 274 | 479 | - | 11 | 7 | 9 | 165 | - | - | - |
| Wyoming..... | - | 85 | 11 | - | 2 | 2 | 14 | 391 | - | - | - |
| Colorado..... | 1 | 841 | 192 | - | 7 | 17 | 22 | 1,559 | - | - | 1 |
| New Mexico..... | 1 | 401 | 278 | - | 5 | 2 | 10 | 711 | - | - | - |
| Arizona..... | 2 | 635 | 994 | - | 9 | 16 | 17 | 1,221 | - | - | - |
| Utah, f..... | - | 336 | 36 | - | 19 | 5 | 7 | 190 | - | - | - |
| Nevada..... | - | 7 | 21 | - | 4 | 1 | - | - | - | - | 1 |
| PACIFIC..... | 28 | 4,854 | 3,305 | 8 | 503 | 434 | 321 | 16,034 | - | - | 2 |
| Washington..... | 16 | 1,109 | 703 | - | 33 | 47 | 111 | 6,511 | - | - | 1 |
| Oregon..... | - | 378 | 410 | 1 | 41 | 30 | 43 | 1,623 | - | - | 1 |
| California..... | 10 | 2,792 | 1,862 | 7 | 419 | 353 | 159 | 6,877 | - | - | - |
| Alaska..... | --- | 63 | 141 | --- | 1 | - | --- | 99 | --- | --- | - |
| Hawaii..... | 2 | 512 | 189 | - | 9 | 4 | 8 | 924 | - | - | - |
| Puerto Rico..... | --- | 582 | 972 | --- | 10 | 5 | --- | 1,173 | --- | --- | - |
| Virgin Islands..... | - | 17 | 8 | - | - | 3 | 2 | 77 | - | - | - |

*Delayed reports: Measles: Me. 5, N.H. 1, Ill. 4
Meningococcal infections: N.J. delete 1, Ala. 1, La. delete 2
Mumps: N.H. 2, Ill. 8, Utah 5

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
DECEMBER 4, 1971 AND DECEMBER 5, 1970 (48th WEEK) - CONTINUED

| AREA | RUBELLA | | TETANUS | | TULAREMIA | | TYPHOID FEVER | | TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted) | | RABIES IN ANIMALS | |
|------------------------|---------|-----------|---------|-----------|-----------|-----------|---------------|-----------|--|-----------|-------------------|-----------|
| | 1971 | Cum. 1971 | 1971 | Cum. 1971 | 1971 | Cum. 1971 | 1971 | Cum. 1971 | 1971 | Cum. 1971 | 1971 | Cum. 1971 |
| UNITED STATES..... | 301 | 42,012 | 4 | 103 | 3 | 171 | 9 | 393 | 2 | 400 | 51 | 3,632 |
| NEW ENGLAND..... | 17 | 1,832 | - | 6 | - | 1 | - | 17 | - | 5 | 2 | 210 |
| Maine..... | - | 271 | - | - | - | - | - | 1 | - | - | 2 | 183 |
| New Hampshire..... | - | 48 | - | 2 | - | - | - | - | - | - | - | 3 |
| Vermont..... | - | 102 | - | - | - | - | - | - | - | - | - | 15 |
| Massachusetts..... | 3 | 852 | - | 1 | - | - | - | 12 | - | 3 | - | 8 |
| Rhode Island..... | - | 107 | - | - | - | - | - | - | - | 2 | - | 1 |
| Connecticut..... | 14 | 452 | - | 3 | - | 1 | - | 4 | - | - | - | - |
| MIDDLE ATLANTIC..... | 8 | 2,683 | 2 | 10 | - | - | 1 | 92 | 1 | 38 | 1 | 151 |
| New York City..... | 2 | 593 | 1 | 6 | - | - | - | 22 | - | 1 | - | - |
| New York, Up-State.. | - | 434 | - | 1 | - | - | 1 | 15 | - | 17 | 1 | 130 |
| New Jersey..... | 5 | 630 | - | 1 | - | - | - | 8 | - | 9 | - | - |
| Pennsylvania..... | 1 | 1,026 | 1 | 2 | - | - | - | 47 | 1 | 11 | - | 21 |
| EAST NORTH CENTRAL.... | 90 | 9,162 | - | 13 | 2 | 8 | 3 | 57 | - | 20 | 6 | 380 |
| Ohio..... | 3 | 1,024 | - | 2 | - | 1 | - | 21 | - | 15 | - | 109 |
| Indiana..... | 7 | 2,169 | - | 2 | - | - | - | 6 | - | - | 1 | 81 |
| Illinois*..... | 7 | 1,338 | - | 6 | 2 | 4 | - | 14 | - | 3 | 1 | 70 |
| Michigan..... | 55 | 2,909 | - | 3 | - | 1 | 3 | 10 | - | 2 | - | 46 |
| Wisconsin..... | 18 | 1,722 | - | - | - | 2 | - | 6 | - | - | 4 | 74 |
| WEST NORTH CENTRAL.... | 9 | 3,287 | - | 6 | - | 19 | - | 4 | 1 | 9 | 17 | 1,016 |
| Minnesota..... | 1 | 281 | - | 3 | - | - | - | - | - | - | 9 | 242 |
| Iowa..... | 4 | 724 | - | 1 | - | - | - | - | - | 2 | 2 | 220 |
| Missouri..... | 1 | 1,370 | - | 2 | - | 15 | - | 4 | 1 | 5 | 1 | 143 |
| North Dakota..... | - | 96 | - | - | - | - | - | - | - | - | 5 | 177 |
| South Dakota..... | - | 99 | - | - | - | 1 | - | - | - | - | - | 120 |
| Nebraska..... | 3 | 96 | - | - | - | - | - | - | - | - | - | 8 |
| Kansas..... | - | 621 | - | - | - | 3 | - | - | - | 2 | - | 106 |
| SOUTH ATLANTIC..... | 21 | 3,432 | - | 25 | - | 23 | - | 51 | - | 205 | 6 | 399 |
| Delaware..... | - | 50 | - | - | - | - | - | 1 | - | 2 | - | - |
| Maryland..... | - | 164 | - | 1 | - | 4 | - | 4 | - | 31 | - | 2 |
| Dist. of Columbia... | - | 8 | - | 3 | - | - | - | 4 | - | - | - | - |
| Virginia..... | 1 | 225 | - | 3 | - | 9 | - | 15 | - | 35 | - | 74 |
| West Virginia..... | 3 | 710 | - | - | - | - | - | 4 | - | 4 | 2 | 122 |
| North Carolina..... | 3 | 52 | - | 2 | - | 4 | - | 4 | - | 106 | - | 7 |
| South Carolina..... | 2 | 453 | - | 1 | - | - | - | 2 | - | 14 | - | - |
| Georgia..... | - | 1 | - | 2 | - | 4 | - | 2 | - | 13 | 3 | 139 |
| Florida..... | 12 | 1,769 | - | 13 | - | 2 | - | 15 | - | - | 1 | 55 |
| EAST SOUTH CENTRAL.... | 43 | 3,999 | 2 | 16 | 1 | 13 | 3 | 48 | - | 63 | 6 | 334 |
| Kentucky..... | 2 | 1,735 | 1 | 3 | - | 2 | - | 11 | - | 13 | 3 | 169 |
| Tennessee..... | 35 | 1,969 | - | 7 | - | 7 | 1 | 26 | - | 34 | 1 | 103 |
| Alabama..... | 6 | 219 | - | 4 | 1 | 3 | - | 8 | - | 9 | 2 | 58 |
| Mississippi..... | - | 76 | 1 | 2 | - | 1 | 2 | 3 | - | 7 | - | 4 |
| WEST SOUTH CENTRAL.... | 24 | 4,978 | - | 16 | - | 62 | 2 | 41 | - | 48 | 10 | 719 |
| Arkansas*..... | - | 338 | - | 1 | - | 25 | - | 11 | - | 6 | 2 | 97 |
| Louisiana..... | 1 | 290 | - | 3 | - | 8 | - | 6 | - | 1 | 3 | 46 |
| Oklahoma..... | - | 75 | - | 2 | - | 17 | - | 3 | - | 28 | 4 | 273 |
| Texas..... | 23 | 4,275 | - | 10 | - | 12 | 2 | 21 | - | 13 | 1 | 303 |
| MOUNTAIN..... | 7 | 2,027 | - | 2 | - | 40 | - | 9 | - | 12 | - | 72 |
| Montana..... | - | 116 | - | - | - | 2 | - | - | - | 3 | - | - |
| Idaho..... | - | 43 | - | 1 | - | 1 | - | - | - | 4 | - | - |
| Wyoming..... | - | 860 | - | - | - | - | - | - | - | - | - | 12 |
| Colorado..... | 1 | 309 | - | - | - | - | - | 2 | - | 2 | - | 11 |
| New Mexico..... | - | 239 | - | - | - | - | - | 5 | - | 1 | - | 9 |
| Arizona..... | 4 | 376 | - | 1 | - | - | - | 2 | - | - | - | 25 |
| Utah..... | 2 | 69 | - | - | - | 37 | - | - | - | 1 | - | 10 |
| Nevada..... | - | 15 | - | - | - | - | - | - | - | 1 | - | 5 |
| PACIFIC..... | 82 | 10,612 | - | 9 | - | 5 | - | 74 | - | - | 3 | 351 |
| Washington..... | 10 | 1,482 | - | 1 | - | - | - | 1 | - | - | - | - |
| Oregon..... | 7 | 788 | - | 1 | - | 3 | - | - | - | - | - | 9 |
| California..... | 62 | 8,113 | - | 7 | - | 2 | - | 68 | - | - | 3 | 308 |
| Alaska..... | --- | 50 | --- | - | --- | - | --- | 1 | --- | - | --- | 34 |
| Hawaii..... | 3 | 179 | - | - | - | - | - | 4 | - | - | - | - |
| Puerto Rico..... | --- | 62 | --- | 7 | --- | - | --- | 3 | --- | - | --- | 71 |
| Virgin Islands..... | - | 1 | - | - | - | - | - | 1 | - | - | - | - |

*Delayed reports: Typhoid fever: Ill. 1

Rabies in animals: Ark. 1

Morbidity and Mortality Weekly Report

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Week No.
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TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED DECEMBER 4, 1971

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

| Area | All Causes | | Pneumonia and Influenza All Ages | Under 1 year All Causes | Area | All Causes | | Pneumonia and Influenza All Ages | Under 1 year All Causes |
|----------------------------|------------|-------------------|----------------------------------|-------------------------|--|----------------|-------------------|----------------------------------|-------------------------|
| | All Ages | 65 years and over | | | | All Ages | 65 years and over | | |
| NEW ENGLAND: | 781 | 491 | 37 | 34 | SOUTH ATLANTIC: | 1,375 | 727 | 53 | 54 |
| Boston, Mass.----- | 227 | 132 | 8 | 9 | Atlanta, Ga.----- | 116 | 61 | 8 | 5 |
| Bridgeport, Conn.----- | 48 | 27 | 4 | 7 | Baltimore, Md.----- | 302 | 146 | 4 | 16 |
| Cambridge, Mass.----- | 41 | 33 | 8 | - | Charlotte, N. C.----- | 62 | 28 | 1 | 5 |
| Fall River, Mass.----- | 33 | 25 | 2 | - | Jacksonville, Fla.----- | 97 | 51 | 1 | 6 |
| Hartford, Conn.----- | 66 | 38 | - | 4 | Miami, Fla.----- | 144 | 75 | 2 | 2 |
| Lowell, Mass.----- | 26 | 13 | - | 1 | Norfolk, Va.----- | 81 | 40 | 8 | 3 |
| Lynn, Mass.----- | 21 | 14 | 4 | 1 | Richmond, Va.----- | 114 | 56 | 13 | 4 |
| New Bedford, Mass.----- | 24 | 19 | - | - | Savannah, Ga.----- | 40 | 20 | 2 | 2 |
| New Haven, Conn.----- | 66 | 35 | - | 5 | St. Petersburg, Fla.----- | 109 | 95 | - | - |
| Providence, R. I.----- | 65 | 43 | 4 | 2 | Tampa, Fla.----- | 75 | 40 | 10 | 2 |
| Somerville, Mass.----- | 16 | 15 | 3 | - | Washington, D. C.----- | 186 | 87 | 3 | 5 |
| Springfield, Mass.----- | 50 | 28 | - | 2 | Wilmington, Del.----- | 49 | 28 | 1 | 4 |
| Waterbury, Conn.----- | 26 | 21 | - | 2 | EAST SOUTH CENTRAL: | 786 | 410 | 33 | 41 |
| Worcester, Mass.----- | 72 | 48 | 4 | 1 | Birmingham, Ala.----- | 169 | 88 | 4 | 8 |
| MIDDLE ATLANTIC: | 3,192 | 1,915 | 126 | 101 | Chattanooga, Tenn.----- | 57 | 33 | 8 | 2 |
| Albany, N. Y.----- | 58 | 29 | 1 | 4 | Knoxville, Tenn.----- | 32 | 20 | 3 | 2 |
| Allentown, Pa.----- | 28 | 21 | 2 | - | Louisville, Ky.----- | 127 | 70 | 6 | 7 |
| Buffalo, N. Y.----- | 175 | 115 | 4 | 6 | Memphis, Tenn.----- | 174 | 87 | 4 | 16 |
| Camden, N. J.----- | 58 | 35 | 2 | 4 | Mobile, Ala.----- | 55 | 23 | 1 | 3 |
| Elizabeth, N. J.----- | 58 | 33 | 3 | 1 | Montgomery, Ala.----- | 60 | 36 | 3 | 1 |
| Erie, Pa.----- | 44 | 24 | 5 | 1 | Nashville, Tenn.----- | 112 | 53 | 4 | 2 |
| Jersey City, N. J.----- | 76 | 47 | 4 | 3 | WEST SOUTH CENTRAL: | 1,467 | 816 | 55 | 104 |
| Newark, N. J.----- | 108 | 48 | 4 | 7 | Austin, Tex.----- | 46 | 28 | 5 | 1 |
| New York City, N. Y.† | 1,308 | 776 | 40 | 42 | Baton Rouge, La.----- | 35 | 20 | 2 | - |
| Paterson, N. J.----- | 54 | 31 | 5 | 3 | Corpus Christi, Tex.----- | 35 | 21 | 1 | - |
| Philadelphia, Pa.----- | 595 | 338 | 16 | 10 | Dallas, Tex.----- | 201 | 100 | 3 | 9 |
| Pittsburgh, Pa.----- | 218 | 125 | 13 | 8 | El Paso, Tex.----- | 72 | 46 | 3 | 14 |
| Reading, Pa.----- | 29 | 23 | 1 | - | Fort Worth, Tex.----- | 102 | 57 | 2 | 5 |
| Rochester, N. Y.----- | 116 | 89 | 8 | 3 | Houston, Tex.----- | 265 | 131 | 10 | 37 |
| Schenectady, N. Y.----- | 22 | 15 | 3 | - | Little Rock, Ark.----- | 62 | 34 | 3 | 1 |
| Scranton, Pa.----- | 28 | 19 | - | - | New Orleans, La.----- | 186 | 111 | 3 | 8 |
| Syracuse, N. Y.----- | 92 | 60 | 1 | 7 | Oklahoma City, Okla.----- | 151 | 89 | 1 | 9 |
| Trenton, N. J.----- | 48 | 29 | 2 | 2 | San Antonio, Tex.----- | 156 | 87 | 7 | 13 |
| Utica, N. Y.----- | 37 | 30 | 8 | - | Shreveport, La.----- | 65 | 36 | 4 | 4 |
| Yonkers, N. Y.----- | 40 | 28 | 4 | - | Tulsa, Okla.----- | 91 | 56 | 11 | 3 |
| EAST NORTH CENTRAL: | 3,078 | 1,771 | 102 | 135 | MOUNTAIN: | 651 | 346 | 38 | 28 |
| Akron, Ohio----- | 76 | 48 | - | 1 | Albuquerque, N. Mex.----- | 67 | 40 | 13 | - |
| Canton, Ohio----- | 36 | 19 | 1 | - | Colorado Springs, Colo.----- | 37 | 20 | 7 | 7 |
| Chicago, Ill.----- | 800 | 443 | 20 | 39 | Denver, Colo.----- | 238 | 119 | 4 | 3 |
| Cincinnati, Ohio----- | 210 | 122 | 9 | 8 | Ogden, Utah----- | 13 | 6 | 3 | 1 |
| Cleveland, Ohio----- | 236 | 108 | 4 | 6 | Phoenix, Ariz.----- | 140 | 80 | 1 | 7 |
| Columbus, Ohio----- | 190 | 106 | 6 | 9 | Pueblo, Colo.----- | 30 | 22 | 9 | 1 |
| Dayton, Ohio----- | 116 | 73 | 3 | 4 | Salt Lake City, Utah----- | 57 | 26 | - | 8 |
| Detroit, Mich.----- | 389 | 233 | 17 | 19 | Tucson, Ariz.----- | 69 | 33 | 1 | 1 |
| Evansville, Ind.----- | 37 | 27 | 3 | 1 | PACIFIC: | 1,787 | 1,075 | 35 | 57 |
| Flint, Mich.----- | 63 | 34 | 3 | 6 | Berkeley, Calif.----- | 14 | 12 | 1 | 1 |
| Fort Wayne, Ind.----- | 53 | 30 | 1 | 1 | Fresno, Calif.----- | 63 | 35 | 1 | 4 |
| Gary, Ind.----- | 31 | 11 | 2 | 1 | Glendale, Calif.----- | 33 | 22 | 2 | 1 |
| Grand Rapids, Mich.----- | 54 | 34 | 3 | 2 | Honolulu, Hawaii†† | 55 | 27 | 1 | 4 |
| Indianapolis, Ind.----- | 220 | 127 | 6 | 12 | Long Beach, Calif.----- | 102 | 66 | 2 | 3 |
| Madison, Wis.----- | 46 | 26 | 8 | 4 | Los Angeles, Calif.----- | 587 | 351 | 8 | 15 |
| Milwaukee, Wis.----- | 157 | 107 | 2 | 5 | Oakland, Calif.----- | 80 | 45 | - | 3 |
| Peoria, Ill.----- | 56 | 31 | - | 5 | Pasadena, Calif.----- | 46 | 31 | 2 | 1 |
| Rockford, Ill.----- | 37 | 23 | 5 | 1 | Portland, Oreg.----- | 116 | 83 | 1 | 3 |
| South Bend, Ind.----- | 60 | 46 | 4 | 1 | Sacramento, Calif.----- | 80 | 40 | - | 4 |
| Toledo, Ohio----- | 132 | 78 | 3 | 5 | San Diego, Calif.----- | 130 | 72 | 2 | 2 |
| Youngstown, Ohio----- | 79 | 45 | 2 | 5 | San Francisco, Calif.----- | 191 | 109 | 9 | 7 |
| WEST NORTH CENTRAL: | 869 | 526 | 21 | 37 | San Jose, Calif.----- | 57 | 37 | - | 2 |
| Des Moines, Iowa----- | 51 | 30 | 2 | 1 | Seattle, Wash.----- | 151 | 95 | 3 | 2 |
| Duluth, Minn.----- | 27 | 18 | - | 1 | Spokane, Wash.----- | 46 | 33 | 3 | 2 |
| Kansas City, Kans.----- | 39 | 17 | - | - | Tacoma, Wash.----- | 36 | 17 | - | 3 |
| Kansas City, Mo.----- | 116 | 72 | 3 | 4 | Total | 13,986 | 8,077 | 500 | 591 |
| Lincoln, Nebr.----- | 41 | 24 | 1 | - | Expected Number | 13,032 | 7,516 | 495 | 586 |
| Minneapolis, Minn.----- | 108 | 59 | 2 | 10 | Cumulative Total (includes reported corrections for previous weeks) | 610,375 | 350,302 | 22,002 | 27,319 |
| Omaha, Nebr.----- | 72 | 42 | 1 | 2 | | | | | |
| St. Louis, Mo.----- | 288 | 183 | 7 | 13 | | | | | |
| St. Paul, Minn.----- | 79 | 58 | - | 5 | | | | | |
| Wichita, Kans.----- | 48 | 23 | 5 | 1 | | | | | |
| Las Vegas, Nev.* | 28 | 13 | - | - | *Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected. | | | | |

†Delayed Report for Week ended Nov. 27, 1971

††Estimate based on average per cent of Divisional Total

SHIGELLA - (Continued from page 437)

spond to therapy, however, and died on September 19. Cultures of stool and blood specimens revealed *Enterobacter hafnia*; no *Shigella* species were found. Although visits between the patient and friends from northern Sonora, Mexico, were considered possible, none could be documented.

On September 14, the woman's 13-month-old granddaughter became ill with severe bloody diarrhea. She was semi-comatose when hospitalized and suffered a cardiac arrest on September 15. She was successfully resuscitated and transferred to another hospital in Tucson, where treatment with intravenous sodium ampicillin was started. She recovered slowly and was discharged on September 29. Infection with *Shigella dysenteriae* type 1 was confirmed the following day. The patient had never been out of the United States, but she had been exposed to her grandmother at the time of the latter's illness.

On September 30, the younger patient's eight immediate family members were contacted and interviewed. Rectal swabs were obtained for culture, and blood was obtained for serologic testing. The father and two siblings had had mild diarrhea 2 days prior to the onset of the younger patient's illness. Serum antibody to *S. dysenteriae* type 1 was present in two of these persons as well as in another sibling, who was asymptomatic. All stool cultures were negative for enteric pathogens.

On September 27, a woman from Bisbee, Arizona, (approximately 90 miles southeast of Tucson) experienced moderately severe diarrhea after eating food purchased in Naco, Sonora, Mexico. Seven days later, on October 4, her 8-year-old daughter had onset of nausea, vomiting, and bloody diarrhea. The child's condition deteriorated rapidly, and she was hospitalized in Tucson with evidence of renal failure. She

underwent emergency subtotal colectomy and required renal dialysis before responding to cephalothin and ampicillin therapy. *S. dysenteriae* type 1 was isolated from a stool specimen on October 12. Serum samples collected from the patient's family showed antibody titers to *S. dysenteriae* type 1 in the serum of her mother as well as of her father, who was asymptomatic.

There has been no evidence of interfamily or community spread of *S. dysenteriae* type 1. Epidemiologic investigations are continuing, however, and the medical community in southern Arizona has been alerted to the possibility of further cases.

(Reported by Otto Sieber, M.D., Assistant Professor of Pediatrics, University of Arizona Medical Center, Tucson; Philip M. Hotchkiss, D.V.M., State Epidemiologist, Arizona State Department of Health; and the Phoenix Laboratories, Ecological Investigations Program, CDC.)

Editorial Note

The clinical course of the 8-year-old child from Bisbee points up the importance of obtaining stool specimens and culturing them for *S. dysenteriae* type 1 in all cases of dysentery in persons who might have recently traveled to or had contact with persons who have been in Mexico or Central America. In the early stages of the Shiga dysentery epidemic in Central America, before the true nature of the disease was known, many patients underwent colostomies and a few colectomies due to misdiagnoses. The diseases most commonly mistaken for Shiga dysentery are amebiasis and acute ulcerative colitis. The organism responsible for the present epidemic is resistant to many antibiotics; however, it is quite sensitive to ampicillin.

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The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting outbreaks or case investigations of current interest to health officials.

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