NATIONAL COMMUNICABLE DISEASE CENTER

# Morbidity and Mortality

Vol. 16, No. 11

WEEKLY REPORT

Week Ending March 18, 1967

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH SERVICE

BUREAU OF DISEASE PREVENTION AND ENVIRONMENTAL CONTROL

## CURRENT TRENDS
## MEASLES – 1967

During the week ending March 18, 1967, 2,541 cases of measles were reported. This total does not include the report from Hawaii, which was delayed. Nineteen states reported 10 or fewer cases. Fifty percent of the total was reported by three states: California – 285; Texas – 693; Washington – 300. The epidemiologic curve for 1966-67 reached a plateau early in February which appears to be continuing (Figure 1). There is an absence of the usual increased incidence which in previous years occurred late in February or in early March.

Since the beginning of the 1966-67 measles epidemiologic year (October 9, 1966), 35,287 cases have been reported in the United States. During this 23-week period, the states reporting the highest number of cases are Texas with 7,375 and Washington with 3,923. The combined total from these two states constitutes 32 percent of the national total. Table 1 shows the number of cases reported in the U.S. by 4-week intervals and the proportion reported from Texas and Washington.

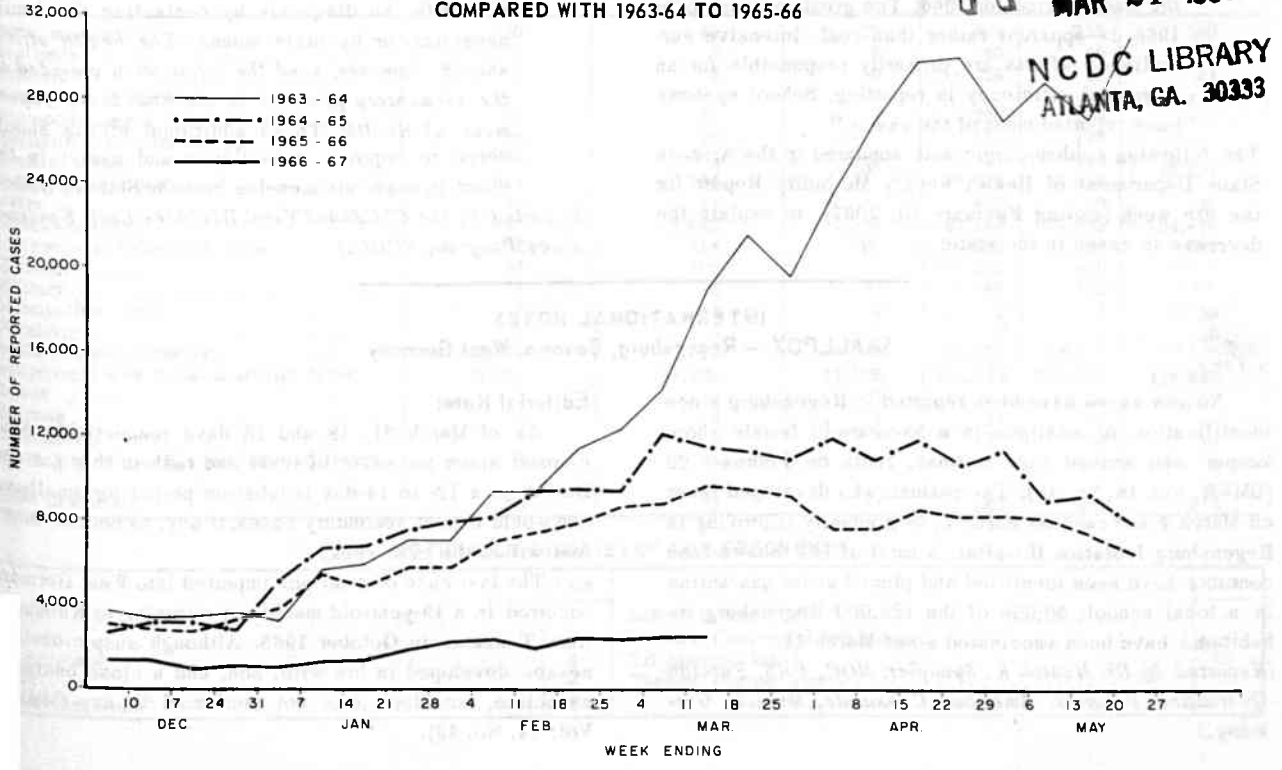
(Continued on page 86)

CONTENTS





Figure 1
REPORTED MEASLES IN THE UNITED STATES, 1966-67
COMPARED WITH 1963-64 TO 1965-66



## MEASLES – 1967

*(Continued from front page)*

**Table 1**
**Reported Measles Cases**
**United States Total, Texas, and Washington**
**Four-Week Intervals, Oct. 9, 1966 – March 18, 1967**

| Time Interval | U.S. Total | Texas* | | Washington** | |
|---|---|---|---|---|---|
| | | No. | % | No. | % |
| Oct. 9 – Nov. 5 | 2,750 | 469 | 16.9 | 538 | 19.6 |
| Nov. 6 – Dec. 3 | 4,418 | 798 | 18.1 | 611 | 13.8 |
| Dec. 4 – 31 | 4,957 | 993 | 20.0 | 482 | 9.7 |
| Jan. 1 – 28 | 5,856 | 1,181 | 20.2 | 677 | 11.6 |
| Jan. 29 – Feb. 25 | 9,478 | 1,818 | 19.2 | 916 | 9.7 |
| Feb. 26 – March 18 (3-week interval) | 7,828 | 2,116 | 26.7 | 699 | 8.9 |
| Total | 35,287 | 7,375 | 20.9 | 3,923 | 11.1 |

*Has 5.4 percent of the 1966 provisional U.S. population
**Has 1.5 percent of the 1966 provisional U.S. population.

Pertinent comments to explain increased or decreased incidence of measles during the current epidemiologic year have appeared in the weekly morbidity reports of several states. R. LeRoy Carpenter, M.D., Director, Division of Epidemiology, Oklahoma State Department of Health, notes in the Communicable Disease Bulletin for the week ending February 25, 1967:

> "To date during 1967 there have been 867 cases of measles reported to the State Department of Health as compared to 38 cases reported during the same period for 1966. The great increase over 1966 is apparent rather than real. Intensive surveillance efforts are primarily responsible for an increased efficiency in reporting. School systems have reported most of the cases."

The following epidemiologic note appeared in the Arizona State Department of Health Weekly Morbidity Report for the 6th week (ending February 10, 1967), to explain the decrease in cases in the state:

> "In Arizona 44 cases were reported this week as compared with the 5-year median of 152 cases. Thus, we experienced an incidence of close to 25 percent of what we might expect. Last year Arizona experienced a rather extensive epidemic of measles. Because measles tends to occur epidemically every other year, especially in urban areas, we may expect a lower incidence this year."

Efforts to improve measles surveillance are being made in many states. The following is quoted from the Morbidity Statistical Report of the Utah Department of Health:

> "In a previous issue of this Weekly Morbidity Report, it was pointed out that considerable value could accrue from good surveillance. Control of epidemics by immunizing susceptibles has proven successful in many situations throughout the United States. Therefore, it seems imperative that reporting be more accurate. The Utah State Department of Health is requesting that each case of measles be reported by name, age and address as opposed to the number of cases per week now required. This does not represent a change in regulation but a request to improve measles surveillance. The State Education Board has given its full support to the improved surveillance of measles. All elementary school principals have been requested to report the name, age and address of children known to be absent due to measles. These weekly reports will be sent to the local health officer who may choose to verify the diagnosis by contacting the family physician or by other means. *The health officer should, however, send the information provided by the elementary principal to the Utah State Department of Health.* These additional efforts should serve to improve surveillance and assist in the effort to eradicate measles from the State of Utah."

*(Reported by the Childhood Viral Diseases Unit, Epidemiology Program, NCDC.)*

## INTERNATIONAL NOTES

### SMALLPOX – Regensburg, Bavaria, West Germany

No new cases have been reported in Regensburg since identification of smallpox in a 58-year-old female shopkeeper who arrived from Bombay, India on February 22 (MMWR, Vol. 16, No. 10). The patient, who developed fever on March 4 and rash on March 7, is gradually improving in Regensburg Isolation Hospital. A total of 141 face-to-face contacts have been identified and placed under quarantine in a local school; 50,000 of the 125,000 Regensburg inhabitants have been vaccinated since March 11.

*(Reported by Dr. Huston K. Spangler, MOC, PHS, Foreign Quarantine Program, American Consulate, Munich, Germany.)*

**Editorial Note:**

As of March 21, 18 and 15 days respectively have elapsed since the onset of fever and rash in this patient. Based on a 12- to 14-day incubation period for smallpox, one would expect secondary cases, if any, to become manifest within the next week.

The last case of smallpox imported into West Germany occurred in a 49-year-old machinist returning to Kulmbach from Tanzania in October 1965. Although suspicious illnesses developed in his wife, son, and a close business associate, smallpox was not confirmed in any (MMWR, Vol. 14, No. 49).

## SMALLPOX – Prague, Czechoslovakia

Smallpox has been reported in a crew member of Czechoslovak Airlines who returned to Prague on March 5, 1967. He had spent the previous 14 days in Bombay, India. His illness began on March 7 and was characterized by an atypical rash; laboratory tests confirmed the diagnosis of smallpox. The patient remained at home from March 7 until isolation on March 11 and is considered to have been in contact with only a limited number of people, all of whom have been isolated. The patient is said to have been repeatedly vaccinated; his last vaccination in 1965 was unsuccessful.

*(Compiled from the WHO Weekly Epidemiological Record, Vol. 42, No. 11, page 142.)*

**Editorial Note:** No apparent direct relationship exists between the case in Czechoslovakia and that identified in Germany. The epidemiologic evidence indicates that both were imported within a 2-week period from Bombay, India. According from reports from WHO, smallpox is epidemic there. A total of 840 cases occurred during the first 10 weeks of 1967 as compared with only 87 during the same period in 1966. Deaths have increased by a similar order of magnitude; the case-fatality ratio during this period in 1966 was 37.7 percent as compared with 40.1 percent in 1967. In view of the tenfold increase in the total number of reported cases and a gradually increasing weekly incidence, it appears that a sizable epidemic of of smallpox has been underway in Bombay for some time.

## MENINGOCOCCAL INFECTION – North Africa

Sulfonamide-resistant group A strains have been identified in a North African meningococcal meningitis epidemic. Six group A strains isolated from cerebrospinal fluid have been studied. Of these, two strains were found to be resistant to 5 milligrams percent of sulfadiazine but sensitive to 10, three strains were resistant to 10 but sensitive to 15 milligrams percent sulfadiazine, and one strain was resistant to 20 but sensitive to 25 milligrams percent. Confirmation of their sulfonamide resistance has been obtained in several laboratories. All strains studied thus far are sensitive to penicillin.

This represents the first observation of sulfonamide resistance among group A *Neisseria meningitidis*. Such strains have not thus far been found in the United States. *(Reported by Dr. Harry A. Feldman, Chairman, Committee on Meningococcal Infections, Armed Forces Epidemiological Board; and Bacterial Diseases Section, Epidemiology Program, NCDC.)*

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

**(Cumulative totals include revised and delayed reports through previous weeks)**

| DISEASE | 11th WEEK ENDED | | MEDIAN | CUMULATIVE, FIRST 11 WEEKS | | |
|---|---|---|---|---|---|---|
| | MARCH 18, 1967 | MARCH 19, 1966 | 1962 - 1966 | 1967 | 1966 | MEDIAN 1962 - 1966 |
| Aseptic meningitis | 40 | 40 | 27 | 304 | 323 | 286 |
| Brucellosis | 4 | 2 | 6 | 40 | 40 | 63 |
| Diphtheria | – | 2 | 8 | 28 | 29 | 51 |
| Encephalitis, primary: | | | | | | |
| Arthropod-borne & unspecified | 23 | 37 | - - - | 236 | 264 | - - - |
| Encephalitis, post-infectious | 25 | 20 | - - - | 131 | 178 | - - - |
| Hepatitis, serum | 36 | 23 | 900 | 397 | 245 | 10,357 |
| Hepatitis, infectious | 814 | 724 | | 8,638 | 7,876 | |
| Malaria | 46 | 11 | 1 | 436 | 62 | 19 |
| Measles (rubeola) | 2,541 | 9,652 | 13,558 | 23,162 | 75,605 | 104,416 |
| Meningococcal infections, total | 58 | 114 | 80 | 660 | 1,060 | 667 |
| Civilian | 57 | 106 | - - - | 612 | 910 | - - - |
| Military | 1 | 8 | - - - | 48 | 150 | - - - |
| Poliomyelitis, total | 1 | 3 | 3 | 2 | 5 | 14 |
| Paralytic | 1 | 3 | 3 | 2 | 4 | 10 |
| Rubella (German measles) | 1,517 | 1,910 | - - - | 10,572 | 13,413 | - - - |
| Streptococcal sore throat & scarlet fever | 13,231 | 14,729 | 11,506 | 134,232 | 126,856 | 116,596 |
| Tetanus | 3 | 1 | 2 | 32 | 21 | 37 |
| Tularemia | 2 | 4 | 4 | 24 | 46 | 49 |
| Typhoid fever | 1 | 2 | 5 | 56 | 54 | 70 |
| Typhus, tick-borne (Rky. Mt. spotted fever) | – | 1 | – | 7 | 10 | 3 |
| Rabies in animals | 83 | 93 | 94 | 861 | 823 | 816 |

## NOTIFIABLE DISEASES OF LOW FREQUENCY

| | Cum. | | Cum. |
|---|---|---|---|
| Anthrax: | 1 | Rabies in man: | – |
| Botulism: | – | Rubella, Congenital Syndrome: | – |
| Leptospirosis: | 8 | Trichinosis: Md.-1 | 18 |
| Plague: | – | Typhus, murine: Texas-1 | 5 |
| Psittacosis: Ohio-1 | 8 | | |

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

### FOR WEEKS ENDED
### MARCH 18, 1967 AND MARCH 19, 1966 (11th WEEK)

| AREA | ASEPTIC MENINGITIS | | BRUCELLOSIS | DIPHTHERIA | ENCEPHALITIS | | | HEPATITIS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Primary including unsp. cases | | Post-Infectious | Serum | | Infectious | |
| | 1967 | 1966 | 1967 | 1967 | 1967 | 1966 | 1967 | 1967 | 1966 | 1967 | 1966 |
| UNITED STATES... | 40 | 40 | 4 | - | 23 | 37 | 25 | 36 | 23 | 814 | 724 |
| NEW ENGLAND..... | - | 1 | - | - | 1 | 3 | 1 | - | 1 | 33 | 13 |
| Maine..... | - | - | - | - | - | - | - | - | - | 3 | 1 |
| New Hampshire..... | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Vermont..... | - | - | - | - | - | - | - | - | - | - | - |
| Massachusetts..... | - | 1 | - | - | - | 2 | - | - | 1 | 9 | 2 |
| Rhode Island..... | - | - | - | - | 1 | - | - | - | - | 9 | 3 |
| Connecticut..... | - | - | - | - | - | 1 | 1 | - | - | 11 | 6 |
| MIDDLE ATLANTIC..... | 4 | 2 | - | - | 4 | 14 | 3 | 26 | 14 | 134 | 111 |
| New York City..... | 2 | 1 | - | - | 2 | 7 | - | 24 | 12 | 45 | 29 |
| New York, up-State. | 1 | 1 | - | - | 1 | 4 | 1 | - | 1 | 31 | 33 |
| New Jersey..... | - | - | - | - | - | 3 | - | 2 | 1 | 22 | 16 |
| Pennsylvania..... | 1 | - | - | - | 1 | - | 2 | - | - | 36 | 33 |
| EAST NORTH CENTRAL... | 2 | 4 | - | - | 7 | 3 | 4 | - | 2 | 160 | 148 |
| Ohio..... | 1 | - | - | - | 6 | 2 | - | - | 2 | 43 | 38 |
| Indiana..... | - | - | - | - | - | 1 | - | - | - | 10 | 9 |
| Illinois..... | 1 | 1 | - | - | - | - | 2 | - | - | 52 | 17 |
| Michigan..... | - | 3 | - | - | 1 | - | 2 | - | - | 36 | 73 |
| Wisconsin..... | - | - | - | - | - | - | - | - | - | 19 | 11 |
| WEST NORTH CENTRAL... | - | - | 2 | - | 3 | 2 | 1 | - | 2 | 85 | 84 |
| Minnesota..... | - | - | 1 | - | - | 1 | 1 | - | 2 | 6 | 8 |
| Iowa..... | - | - | 1 | - | - | 1 | - | - | - | 16 | 16 |
| Missouri..... | - | - | - | - | 3 | - | - | - | - | 52 | 45 |
| North Dakota..... | - | - | - | - | - | - | - | - | - | - | 1 |
| South Dakota..... | - | - | - | - | - | - | - | - | - | - | - |
| Nebraska..... | - | - | - | - | - | - | - | - | - | 4 | 1 |
| Kansas..... | - | - | - | - | - | - | - | - | - | 7 | 13 |
| SOUTH ATLANTIC..... | 9 | 2 | 1 | - | 3 | 3 | 11 | 1 | - | 103 | 91 |
| Delaware..... | 1 | 2 | - | - | - | - | - | - | - | - | 2 |
| Maryland..... | 1 | - | - | - | 1 | 2 | 2 | - | - | 25 | 17 |
| Dist. of Columbia.. | - | - | - | - | - | - | - | - | - | - | - |
| Virginia..... | 1 | - | - | - | 1 | 1 | 1 | - | - | 17 | 25 |
| West Virginia..... | 3 | - | - | - | - | - | - | - | - | 13 | 2 |
| North Carolina..... | 1 | - | - | - | - | - | - | 1 | - | 10 | 10 |
| South Carolina..... | - | - | - | - | - | - | - | - | - | 3 | 1 |
| Georgia..... | - | - | 1 | - | - | - | - | - | - | 20 | 15 |
| Florida..... | 2 | - | - | - | 1 | - | 8 | - | - | 15 | 19 |
| EAST SOUTH CENTRAL... | 5 | 5 | - | - | 1 | 2 | 2 | - | - | 34 | 58 |
| Kentucky..... | - | 3 | - | - | - | - | - | - | - | 11 | 32 |
| Tennessee..... | 1 | - | - | - | - | 1 | 2 | - | - | 11 | 14 |
| Alabama..... | 4 | 2 | - | - | - | - | - | - | - | 5 | 7 |
| Mississippi..... | - | - | - | - | 1 | 1 | - | - | - | 7 | 5 |
| WEST SOUTH CENTRAL... | 4 | 10 | - | - | 2 | 1 | 1 | 1 | 1 | 72 | 56 |
| Arkansas..... | - | - | - | - | - | - | - | - | 1 | 3 | 4 |
| Louisiana..... | 2 | - | - | - | 1 | - | - | 1 | - | 17 | 6 |
| Oklahoma..... | 1 | - | - | - | 1 | - | - | - | - | 3 | 3 |
| Texas..... | 1 | 10 | - | - | - | 1 | 1 | - | - | 49 | 43 |
| MOUNTAIN..... | - | 2 | - | - | - | 3 | - | - | - | 34 | 16 |
| Montana..... | - | - | - | - | - | 1 | - | - | - | 3 | 1 |
| Idaho..... | - | - | - | - | - | - | - | - | - | 7 | - |
| Wyoming..... | - | 1 | - | - | - | - | - | - | - | 2 | - |
| Colorado..... | - | - | - | - | - | 1 | - | - | - | 1 | 4 |
| New Mexico..... | - | 1 | - | - | - | - | - | - | - | 8 | 8 |
| Arizona..... | - | - | - | - | - | - | - | - | - | 6 | 2 |
| Utah..... | - | - | - | - | - | 1 | - | - | - | 6 | 1 |
| Nevada..... | - | - | - | - | - | - | - | - | - | 1 | - |
| PACIFIC..... | 16 | 14 | 1 | - | 2 | 6 | 2 | 8 | 3 | 159 | 147 |
| Washington..... | 2 | 1 | - | - | - | - | - | - | - | 12 | 20 |
| Oregon..... | - | - | - | - | - | - | - | 1 | - | 13 | 12 |
| California..... | 14 | 13 | 1 | - | 2 | 6 | 1 | 7 | 3 | 134 | 112 |
| Alaska..... | - | - | - | - | - | - | 1 | - | - | - | 1 |
| Hawaii..... | --- | - | --- | --- | --- | - | --- | --- | - | --- | 2 |
| Puerto Rico | - | - | - | - | - | - | - | - | - | 21 | 8 |

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

### FOR WEEKS ENDED

### MARCH 18, 1967 AND MARCH 19, 1966 (11th WEEK) - CONTINUED

| AREA | MALARIA | MEASLES (Rubeola) | | | MENINGOCOCCAL INFECTIONS, TOTAL | | | POLIOMYELITIS | | | RUBELLA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Cumulative | | | Cumulative | | Total | Paralytic | | |
| | 1967 | 1967 | 1967 | 1966 | 1967 | 1967 | 1966 | 1967 | 1967 | Cum. 1967 | 1967 |
| UNITED STATES... | 46 | 2,541 | 23,162 | 75,605 | 58 | 660 | 1,060 | 1 | 1 | 2 | 1,517 |
| NEW ENGLAND..... | - | 40 | 260 | 927 | - | 24 | 55 | - | - | - | 129 |
| Maine..... | - | 17 | 48 | 124 | - | 1 | 6 | - | - | - | 56 |
| New Hampshire..... | - | 7 | 61 | 12 | - | 1 | 7 | - | - | - | 1 |
| Vermont..... | - | - | 21 | 161 | - | - | 2 | - | - | - | - |
| Massachusetts..... | - | 12 | 83 | 327 | - | 12 | 21 | - | - | - | 25 |
| Rhode Island..... | - | - | 20 | 47 | - | - | 4 | - | - | - | 4 |
| Connecticut..... | - | 4 | 27 | 256 | - | 10 | 15 | - | - | - | 43 |
| MIDDLE ATLANTIC..... | 3 | 65 | 746 | 10,190 | 5 | 83 | 115 | - | - | 1 | 62 |
| New York City..... | - | 8 | 119 | 5,061 | 1 | 15 | 20 | - | - | 1 | 26 |
| New York, Up-State. | - | 11 | 169 | 1,148 | 3 | 25 | 24 | - | - | - | 35 |
| New Jersey..... | - | 25 | 188 | 1,086 | 1 | 32 | 38 | - | - | - | - |
| Pennsylvania..... | 3 | 21 | 270 | 2,895 | - | 11 | 33 | - | - | - | 1 |
| EAST NORTH CENTRAL... | 1 | 272 | 1,973 | 30,286 | 6 | 61 | 157 | - | - | - | 203 |
| Ohio..... | 1 | 20 | 298 | 1,979 | 3 | 25 | 40 | - | - | - | 22 |
| Indiana..... | - | 24 | 226 | 1,941 | - | 5 | 20 | - | - | - | 24 |
| Illinois..... | - | 99 | 314 | 6,786 | 2 | 13 | 34 | - | - | - | - |
| Michigan..... | - | 58 | 432 | 4,500 | 1 | 13 | 49 | - | - | - | 61 |
| Wisconsin..... | - | 71 | 703 | 15,080 | - | 5 | 14 | - | - | - | 96 |
| WEST NORTH CENTRAL... | - | 142 | 1,082 | 3,416 | 1 | 31 | 54 | - | - | - | 107 |
| Minnesota..... | - | 4 | 46 | 1,021 | - | 5 | 10 | - | - | - | 1 |
| Iowa..... | - | 50 | 216 | 1,529 | 1 | 6 | 11 | - | - | - | 91 |
| Missouri..... | - | 8 | 29 | 224 | - | 9 | 20 | - | - | - | 1 |
| North Dakota..... | - | 73 | 452 | 604 | - | - | 3 | - | - | - | 14 |
| South Dakota..... | - | 3 | 38 | 2 | - | 4 | 1 | - | - | - | - |
| Nebraska..... | - | 4 | 301 | 36 | - | 6 | 3 | - | - | - | - |
| Kansas..... | - | NN | NN | NN | - | 1 | 6 | - | - | - | - |
| SOUTH ATLANTIC..... | 27 | 260 | 2,437 | 5,669 | 22 | 135 | 177 | - | - | - | 155 |
| Delaware..... | - | - | 20 | 84 | - | 5 | - | - | - | - | 2 |
| Maryland..... | 4 | 10 | 49 | 1,000 | 4 | 18 | 18 | - | - | - | 44 |
| Dist. of Columbia.. | - | 2 | 8 | 271 | - | - | 2 | - | - | - | - |
| Virginia..... | - | 93 | 678 | 495 | - | 11 | 21 | - | - | - | 18 |
| West Virginia..... | - | 24 | 482 | 2,258 | - | 12 | 7 | - | - | - | - |
| North Carolina..... | 5 | 32 | 554 | 117 | 2 | 28 | 38 | - | - | - | - |
| South Carolina..... | - | 17 | 60 | 278 | 1 | 9 | 25 | - | - | - | 22 |
| Georgia..... | 18 | - | 9 | 126 | 15 | 28 | 29 | - | - | - | - |
| Florida..... | - | 82 | 577 | 1,040 | - | 24 | 37 | - | - | - | 69 |
| EAST SOUTH CENTRAL... | 2 | 168 | 2,858 | 8,750 | 3 | 64 | 93 | - | - | - | 169 |
| Kentucky..... | - | 54 | 937 | 2,875 | - | 18 | 50 | - | - | - | 117 |
| Tennessee..... | - | 68 | 864 | 4,857 | - | 28 | 23 | - | - | - | 50 |
| Alabama..... | 2 | 40 | 601 | 680 | 2 | 11 | 15 | - | - | - | 2 |
| Mississippi..... | - | 6 | 456 | 338 | 1 | 7 | 5 | - | - | - | - |
| WEST SOUTH CENTRAL... | 4 | 820 | 7,787 | 6,880 | 14 | 117 | 159 | 1 | 1 | 1 | 58 |
| Arkansas..... | - | 72 | 1,184 | 121 | 2 | 10 | 9 | - | - | - | 2 |
| Louisiana..... | - | 11 | 50 | 52 | 4 | 46 | 54 | - | - | - | - |
| Oklahoma..... | 4 | 44 | 1,438 | 131 | 2 | 7 | 5 | - | - | - | - |
| Texas..... | - | 693 | 5,115 | 6,576 | 6 | 54 | 91 | 1 | 1 | 1 | 56 |
| MOUNTAIN..... | 5 | 153 | 1,489 | 3,876 | - | 16 | 34 | - | - | - | 121 |
| Montana..... | - | 4 | 174 | 615 | - | - | 2 | - | - | - | 3 |
| Idaho..... | - | 26 | 159 | 485 | - | 1 | 1 | - | - | - | - |
| Wyoming..... | - | - | 12 | 65 | - | - | 1 | - | - | - | - |
| Colorado..... | 5 | 67 | 371 | 376 | - | 7 | 20 | - | - | - | 118 |
| New Mexico..... | - | 3 | 205 | 147 | - | 3 | 4 | - | - | - | - |
| Arizona..... | - | 26 | 319 | 2,067 | - | 2 | 5 | - | - | - | - |
| Utah..... | - | 6 | 85 | 114 | - | 1 | - | - | - | - | - |
| Nevada..... | - | 21 | 164 | 7 | - | 2 | 1 | - | - | - | - |
| PACIFIC..... | 4 | 621 | 4,530 | 5,611 | 7 | 129 | 216 | - | - | - | 513 |
| Washington..... | 1 | 300 | 2,292 | 1,373 | 2 | 10 | 11 | - | - | - | 116 |
| Oregon..... | - | 36 | 522 | 463 | - | 10 | 8 | - | - | - | 49 |
| California..... | 3 | 285 | 1,606 | 3,716 | 5 | 107 | 185 | - | - | - | 347 |
| Alaska..... | - | - | 64 | 20 | - | 2 | 10 | - | - | - | 1 |
| Hawaii..... | --- | --- | 46 | 39 | --- | - | 2 | --- | --- | - | --- |
| Puerto Rico..... | 1 | 95 | 713 | 834 | - | 7 | 1 | - | - | - | - |

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
## FOR WEEKS ENDED
## MARCH 18, 1967 AND MARCH 19, 1966 (11th WEEK) - CONTINUED

| AREA | STREPTOCOCCAL SORE THROAT & SCARLET FEVER | TETANUS | | TULAREMIA | | TYPHOID | | TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted) | | RABIES IN ANIMALS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1967 | 1967 | Cum. 1967 | 1967 | Cum. 1967 | 1967 | Cum. 1967 | 1967 | Cum. 1967 | 1967 | Cum. 1967 |
| UNITED STATES... | 13,231 | 3 | 32 | 2 | 24 | 1 | 56 | - | 7 | 83 | 861 |
| NEW ENGLAND..... | 1,966 | - | - | - | - | - | - | - | - | 4 | 16 |
| Maine..... | 119 | - | - | - | - | - | - | - | - | - | 4 |
| New Hampshire..... | 11 | - | - | - | - | - | - | - | - | 3 | 6 |
| Vermont..... | 47 | - | - | - | - | - | - | - | - | 1 | 6 |
| Massachusetts..... | 210 | - | - | - | - | - | - | - | - | - | - |
| Rhode Island..... | 152 | - | - | - | - | - | - | - | - | - | - |
| Connecticut..... | 1,427 | - | - | - | - | - | - | - | - | - | - |
| MIDDLE ATLANTIC..... | 720 | 1 | 4 | - | - | 1 | 9 | - | - | - | 17 |
| New York City..... | 34 | - | 2 | - | - | - | 6 | - | - | - | - |
| New York, Up-State. | 576 | 1 | 1 | - | - | 1 | 2 | - | - | - | 10 |
| New Jersey..... | NN | - | - | - | - | - | - | - | - | - | - |
| Pennsylvania..... | 110 | - | 1 | - | - | - | 1 | - | - | - | 7 |
| EAST NORTH CENTRAL... | 1,688 | - | 2 | - | 4 | - | 3 | - | 1 | 1 | 57 |
| Ohio..... | 132 | - | - | - | - | - | 1 | - | 1 | - | 25 |
| Indiana..... | 325 | - | - | - | 1 | - | - | - | - | 1 | 15 |
| Illinois..... | 487 | - | 2 | - | 3 | - | - | - | - | - | 9 |
| Michigan..... | 465 | - | - | - | - | - | 1 | - | - | - | 1 |
| Wisconsin..... | 279 | - | - | - | - | - | 1 | - | - | - | 7 |
| WEST NORTH CENTRAL... | 856 | - | 1 | - | 7 | - | 2 | - | - | 10 | 194 |
| Minnesota..... | 21 | - | 1 | - | - | - | - | - | - | 2 | 48 |
| Iowa..... | 416 | - | - | - | 1 | - | 2 | - | - | 1 | 18 |
| Missouri..... | 51 | - | - | - | 3 | - | - | - | - | 2 | 43 |
| North Dakota..... | 302 | - | - | - | - | - | - | - | - | 3 | 41 |
| South Dakota..... | 27 | - | - | - | - | - | - | - | - | 1 | 23 |
| Nebraska..... | 6 | - | - | - | - | - | - | - | - | - | 8 |
| Kansas..... | 33 | - | - | - | 3 | - | - | - | - | 1 | 13 |
| SOUTH ATLANTIC..... | 1,368 | 1 | 6 | - | 4 | - | 5 | - | 4 | 11 | 108 |
| Delaware..... | 17 | - | - | - | - | - | - | - | - | - | - |
| Maryland..... | 248 | - | - | - | - | - | - | - | - | - | - |
| Dist. of Columbia.. | - | - | - | - | - | - | - | - | - | - | - |
| Virginia..... | 458 | - | 2 | - | - | - | 1 | - | - | 6 | 55 |
| West Virginia..... | 365 | - | - | - | 1 | - | 1 | - | - | 3 | 18 |
| North Carolina..... | 29 | - | 2 | - | - | - | 1 | - | 3 | - | 1 |
| South Carolina..... | 20 | - | - | - | 2 | - | - | - | - | - | - |
| Georgia..... | 15 | - | - | - | 1 | - | - | - | 1 | 1 | 21 |
| Florida..... | 216 | 1 | 2 | - | - | - | 2 | - | - | 1 | 13 |
| EAST SOUTH CENTRAL... | 1,578 | - | 9 | - | 2 | - | 8 | - | 1 | 26 | 236 |
| Kentucky..... | 229 | - | - | - | - | - | 4 | - | - | 4 | 44 |
| Tennessee..... | 1,215 | - | 5 | - | 2 | - | 1 | - | 1 | 19 | 183 |
| Alabama..... | 99 | - | 3 | - | - | - | 3 | - | - | 3 | 8 |
| Mississippi..... | 35 | - | 1 | - | - | - | - | - | - | - | 1 |
| WEST SOUTH CENTRAL... | 1,213 | 1 | 4 | 2 | 3 | - | 16 | - | - | 25 | 162 |
| Arkansas..... | - | - | - | - | - | - | 3 | - | - | 4 | 32 |
| Louisiana..... | 7 | - | - | - | - | - | 11 | - | - | 3 | 18 |
| Oklahoma..... | 80 | - | - | 2 | 3 | - | - | - | - | 8 | 33 |
| Texas..... | 1,126 | 1 | 4 | - | - | - | 2 | - | - | 10 | 79 |
| MOUNTAIN..... | 2,092 | - | - | - | 4 | - | 3 | - | - | - | 15 |
| Montana..... | 114 | - | - | - | 1 | - | 1 | - | - | - | - |
| Idaho..... | 207 | - | - | - | - | - | - | - | - | - | - |
| Wyoming..... | 98 | - | - | - | - | - | - | - | - | - | - |
| Colorado..... | 1,312 | - | - | - | 1 | - | 1 | - | - | - | - |
| New Mexico..... | 24 | - | - | - | - | - | - | - | - | - | 5 |
| Arizona..... | 220 | - | - | - | - | - | 1 | - | - | - | 10 |
| Utah..... | 117 | - | - | - | 2 | - | - | - | - | - | - |
| Nevada..... | - | - | - | - | - | - | - | - | - | - | - |
| PACIFIC..... | 1,750 | - | 6 | - | - | - | 10 | - | 1 | 6 | 56 |
| Washington..... | 312 | - | - | - | - | - | - | - | - | - | - |
| Oregon..... | 70 | - | - | - | - | - | - | - | - | - | 1 |
| California..... | 1,350 | - | 5 | - | - | - | 9 | - | 1 | 6 | 55 |
| Alaska..... | 18 | - | - | - | - | - | - | - | - | - | - |
| Hawaii..... | --- | --- | 1 | --- | - | --- | 1 | --- | - | --- | - |
| Puerto Rico..... | 9 | - | 2 | - | - | 1 | 4 | - | - | 1 | 6 |

Week No. 11

## DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 18, 1967

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

| Area | All Causes | | Pneumonia and Influenza | Under 1 year |
|---|---|---|---|---|
| | All Ages | 65 years and over | All Ages | All Causes |
| NEW ENGLAND: | 730 | 445 | 51 | 24 |
| Boston, Mass. | 198 | 102 | 14 | 4 |
| Bridgeport, Conn. | 51 | 32 | 4 | 3 |
| Cambridge, Mass. | 28 | 18 | - | 1 |
| Fall River, Mass. | 31 | 21 | 1 | 1 |
| Hartford, Conn. | 56 | 32 | 2 | 4 |
| Lowell, Mass. | 37 | 26 | 4 | - |
| Lynn, Mass. | 33 | 23 | 1 | 2 |
| New Bedford, Mass. | 31 | 17 | - | 1 |
| New Haven, Conn. | 50 | 32 | 3 | 1 |
| Providence, R. I. | 92 | 59 | 4 | 3 |
| Somerville, Mass. | 12 | 11 | 1 | 1 |
| Springfield, Mass. | 30 | 17 | 4 | - |
| Waterbury, Conn. | 24 | 16 | 1 | 2 |
| Worcester, Mass. | 57 | 39 | 12 | 1 |
| MIDDLE ATLANTIC: | 3,482 | 2,139 | 159 | 147 |
| Albany, N. Y. | 60 | 32 | 3 | 2 |
| Allentown, Pa. | 45 | 33 | 3 | 1 |
| Buffalo, N. Y. | 160 | 98 | 4 | 7 |
| Camden, N. J. | 50 | 22 | 3 | 3 |
| Elizabeth, N. J. | 27 | 20 | - | 1 |
| Erie, Pa. | 41 | 32 | 4 | - |
| Jersey City, N. J. | 48 | 26 | 3 | 4 |
| Newark, N. J. | 98 | 36 | 2 | 14 |
| New York City, N. Y. | 1,778 | 1,093 | 71 | 69 |
| Paterson, N. J. | 34 | 25 | 5 | 2 |
| Philadelphia, Pa. | 548 | 354 | 27 | 16 |
| Pittsburgh, Pa. | 221 | 127 | 2 | 11 |
| Reading, Pa. | 58 | 42 | 4 | 4 |
| Rochester, N. Y. | 98 | 64 | 14 | 1 |
| Schenectady, N. Y. | 20 | 9 | - | 2 |
| Scranton, Pa. | 40 | 28 | 5 | 1 |
| Syracuse, N. Y. | 50 | 31 | 2 | 5 |
| Trenton, N. J. | 45 | 24 | 3 | 2 |
| Utica, N. Y. | 26 | 22 | 2 | - |
| Yonkers, N. Y. | 35 | 21 | 2 | 2 |
| EAST NORTH CENTRAL: | 2,732 | 1,548 | 93 | 145 |
| Akron, Ohio | 72 | 44 | - | 4 |
| Canton, Ohio | 34 | 22 | 1 | 4 |
| Chicago, Ill. | 780 | 419 | 28 | 35 |
| Cincinnati, Ohio | 194 | 120 | 7 | 9 |
| Cleveland, Ohio | 223 | 122 | 5 | 13 |
| Columbus, Ohio | 135 | 70 | 2 | 10 |
| Dayton, Ohio | 61 | 31 | 2 | 1 |
| Detroit, Mich. | 371 | 203 | 8 | 15 |
| Evansville, Ind. | 40 | 29 | 2 | - |
| Flint, Mich. | 45 | 23 | 2 | 4 |
| Fort Wayne, Ind. | 52 | 30 | 2 | 4 |
| Gary, Ind. | 36 | 17 | 3 | 3 |
| Grand Rapids, Mich. | 47 | 29 | 4 | 2 |
| Indianapolis, Ind. | 169 | 99 | 6 | 10 |
| Madison, Wis. | 36 | 18 | - | 4 |
| Milwaukee, Wis. | 138 | 83 | 4 | 6 |
| Peoria, Ill. | 34 | 24 | - | 5 |
| Rockford, Ill. | 31 | 16 | 4 | 2 |
| South Bend, Ind. | 39 | 25 | 2 | 2 |
| Toledo, Ohio | 137 | 89 | 9 | 5 |
| Youngstown, Ohio | 58 | 35 | 2 | 7 |
| WEST NORTH CENTRAL: | 885 | 555 | 27 | 40 |
| Des Moines, Iowa | 64 | 36 | - | 4 |
| Duluth, Minn. | 21 | 13 | - | 1 |
| Kansas City, Kans. | 50 | 35 | 7 | 5 |
| Kansas City, Mo. | 128 | 79 | 1 | 4 |
| Lincoln, Nebr. | 26 | 18 | 1 | - |
| Minneapolis, Minn. | 105 | 65 | 4 | 7 |
| Omaha, Nebr. | 93 | 65 | - | 3 |
| St. Louis, Mo. | 273 | 156 | 7 | 9 |
| St. Paul, Minn. | 65 | 48 | 2 | 3 |
| Wichita, Kans. | 60 | 40 | 5 | 4 |
| SOUTH ATLANTIC: | 1,209 | 697 | 63 | 75 |
| Atlanta, Ga. | 133 | 66 | 1 | 10 |
| Baltimore, Md. | 269 | 148 | 8 | 19 |
| Charlotte, N. C. | 41 | 25 | 2 | 2 |
| Jacksonville, Fla. | 71 | 41 | 4 | 1 |
| Miami, Fla. | 90 | 61 | 1 | 2 |
| Norfolk, Va. | 74 | 45 | 16 | 5 |
| Richmond, Va. | 83 | 50 | 7 | 8 |
| Savannah, Ga. | 39 | 13 | 5 | 3 |
| St. Petersburg, Fla. | 105 | 79 | 5 | - |
| Tampa, Fla. | 56 | 42 | 7 | 1 |
| Washington, D. C. | 195 | 92 | 5 | 21 |
| Wilmington, Del. | 53 | 35 | 2 | 3 |
| EAST SOUTH CENTRAL: | 710 | 391 | 32 | 33 |
| Birmingham, Ala. | 97 | 50 | - | 2 |
| Chattanooga, Tenn. | 46 | 21 | 2 | 4 |
| Knoxville, Tenn. | 53 | 34 | 5 | 2 |
| Louisville, Ky. | 141 | 79 | 11 | 6 |
| Memphis, Tenn. | 153 | 79 | 4 | 5 |
| Mobile, Ala. | 55 | 24 | - | 6 |
| Montgomery, Ala. | 32 | 25 | 5 | 2 |
| Nashville, Tenn. | 133 | 79 | 5 | 6 |
| WEST SOUTH CENTRAL: | 1,138 | 599 | 50 | 77 |
| Austin, Tex. | 42 | 19 | 2 | - |
| Baton Rouge, La. | 16 | 6 | - | - |
| Corpus Christi, Tex. | 38 | 15 | 1 | 2 |
| Dallas, Tex. | 151 | 73 | 5 | 13 |
| El Paso, Tex. | 43 | 21 | 4 | 2 |
| Fort Worth, Tex. | 77 | 53 | - | 4 |
| Houston, Tex. | 194 | 86 | 6 | 15 |
| Little Rock, Ark. | 62 | 27 | 4 | 6 |
| New Orleans, La. | 158 | 79 | 6 | 12 |
| Oklahoma City, Okla. | 94 | 54 | 2 | 8 |
| San Antonio, Tex. | 134 | 88 | 6 | 7 |
| Shreveport, La. | 62 | 42 | 3 | 1 |
| Tulsa, Okla. | 67 | 36 | 11 | 7 |
| MOUNTAIN: | 414 | 238 | 14 | 15 |
| Albuquerque, N. Mex. | 43 | 22 | 4 | 2 |
| Colorado Springs, Colo. | 18 | 11 | - | 1 |
| Denver, Colo. | 91 | 55 | 3 | 2 |
| Ogden, Utah | 22 | 14 | 2 | 1 |
| Phoenix, Ariz. | 114 | 61 | 2 | 5 |
| Pueblo, Colo. | 32 | 23 | 1 | 1 |
| Salt Lake City, Utah | 48 | 29 | - | 3 |
| Tucson, Ariz. | 46 | 23 | 2 | - |
| PACIFIC: | 1,658 | 998 | 41 | 74 |
| Berkeley, Calif. | 22 | 18 | 2 | - |
| Fresno, Calif. | 60 | 35 | 2 | 3 |
| Glendale, Calif. | 32 | 22 | - | 1 |
| Honolulu, Hawaii | 40 | 17 | 1 | 4 |
| Long Beach, Calif. | 81 | 53 | 3 | 5 |
| Los Angeles, Calif. | 492 | 279 | 15 | 23 |
| Oakland, Calif. | 103 | 64 | 3 | 6 |
| Pasadena, Calif. | 41 | 28 | - | 2 |
| Portland, Oreg. | 142 | 88 | 2 | 8 |
| Sacramento, Calif. | 67 | 41 | 1 | 2 |
| San Diego, Calif. | 92 | 56 | 3 | 3 |
| San Francisco, Calif. | 197 | 113 | 2 | 5 |
| San Jose, Calif. | 47 | 34 | 4 | 1 |
| Seattle, Wash. | 165 | 98 | 3 | 10 |
| Spokane, Wash. | 44 | 30 | - | - |
| Tacoma, Wash. | 33 | 22 | - | 1 |
| Total | 12,958 | 7,610 | 530 | 630 |

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

| | |
|---|---|
| All Causes, All Ages | 144,427 |
| All Causes, Age 65 and over | 83,635 |
| Pneumonia and Influenza, All Ages | 5,924 |
| All Causes, Under 1 Year of Age | 7,318 |

## INTERNATIONAL NOTES
## QUARANTINE MEASURES

*Immunization Information for International Travel*
*1965-66 edition—Public Health Service Publication No. 384*

**Page 1 – paragraph 1, delete first sentence and insert:**

In the United States the current form issued in PHS-731, Revised 9/66. Smallpox vaccinations performed after December 31, 1966 must be recorded on this form. Vaccination certificates issued prior to this date remain valid until the expiration date of the certificate in question.

**Page 13 – Typhoid Fever**

**Delete all information and insert:**

Vaccination is advised for all travelers except for infants under 6 months of age. Immunization: The vaccine is given in two inoculations, at least 4 weeks apart. Under conditions of continued or repeated exposure, a booster dose should be given at least every 3 years. The original series of inoculations need not be repeated at any time.

All references to paratyphoid in booklet PHS-384 should be deleted.

**Page 14 – Tetanus**

**Delete all information and insert:**

Vaccination against tetanus is needed both at home and for travel abroad. Immunization: Since tetanus toxoid is generally combined with diphtheria toxoid in the United States, the section on diphtheria describes the recommended schedule. Whenever a tetanus booster is given after an injury, the time for the next tetanus immunization is measured from that date.

**Page 14 – Diphtheria**

**Delete all information and insert:**

Diphtheria is more prevalent in many foreign countries than in the United States. Infants and preschool children through 6 years of age should receive diphtheria toxoid in combination with tetanus and whooping cough antigens (DTP). Immunization: Three doses to 4- to 6-week intervals are needed for children between the ages of 2 months and 6 years. A reinforcing dose should be given about one year after the third injection. Another single dose should be given when a child enters school, kindergarten or nursery school. Thereafter, booster doses of combined tetanus and diphtheria toxoids (Td) are recommended at 10-year intervals. Children over age 6 and adults receiving their first diphtheria immunization should be given the adult combination of tetanus and diphtheria toxoids. Two doses, 4 to 6 weeks apart, are followed by a third dose about one year later. Booster doses are given at 10-year intervals.

**Page 15 – Plague**

Last paragraph, **delete** "The complete standard course need not be repeated at any time." **Insert:** Persons who have been vaccinated previously and who now need this vaccination for international travel should receive two injections of the vaccine spaced at 30-day intervals.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 17,000, IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER — DAVID J. SENCER, M.D.
CHIEF, EPIDEMIOLOGY PROGRAM — A.D. LANGMUIR, M.D.
ACTING CHIEF, STATISTICS SECTION — IDA L. SHERMAN, M.S.

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
NATIONAL COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.