

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

PUBLIC HEALTH SERVICE

HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

## EPIDEMIOLOGIC NOTES AND REPORTS TAENIASIS - Rhode Island

On May 9, 1968, a 40-year-old female X-ray technician from Rhode Island recognized tapeworm proglottids in her stool. For approximately 2 months the patient had experienced mild abdominal cramps, borborygmi, and a change in her bowel habits from relative constipation to bowel movements on arising each morning. Because she believed that she was infected with pinworms, she had mistakenly been looking at her stools each day until May 9 when she first sighted the tapeworm segments.

The patient gave no history of recent travel. She ate rare beef, of ten sampling raw hamburger during its preparation, but she rarely ate pork. She purchased all her meat in a single Rhode Island supermarket.

## CONTENTS

Epidemiologic Notes and Reports
Taeniasis - Rhode Island ..... 209
Trichinosis - Ohio ..... 210
Suspect Botulism - California ..... 211
Malaria - New York
212
Summary of Reported ..... 212
International Notes
Method of Recording Date of InternationalCertificates of Vaccination213
Plague - Central Java, Indonesia ..... 214
Current Trends Measles - Florida ..... 213
Measles - United States ..... 215 ..... 215
Surveillance SummaryMeasles Mortality - United States, 1966215
The patient's stool was examined and found to containTaenia eggs. She was treated with oral Atabrine, but thiswas not successful. She was then treated with Niclosamide(Yomesan)* and she stated that within a day her bowel

TABLE 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

| DISEASE | 23rd WEEK ENDED |  | $\begin{gathered} \text { MEDIAN } \\ 1963-1967 \end{gathered}$ | CUMULATIVE, FIRST 23 WEEKS |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{array}{r} \hline \text { JUNE } 8, \\ 1968 \end{array}$ | JUNE 10 , 1967 |  | 1968 | 1967 | MEDIAN $1963-1967$ |
| Aseptic meningitis | 48 | 48 | 24 | 687 | 746 | 635 |
| Brucellosis ...... | 3 | 13 | 6 | 67 | 111 | 111 |
| Diphtheria. | - | 5 | 5 | 70 | 49 | 78 |
| Encephalitis, primary: |  |  |  |  |  |  |
| Arthropod-borne \& unspecified | 28 | 32 |  | 374 | 573 |  |
| Encephalitis, post-infectious . . . . . . . . . . . | 6 | 18 |  | - 247 | 396 |  |
| Hepatitis, serum . . . . . . . . . . . . . . . . . . . . | 70 | 55 | 622 | 1.762 10.378 | $\begin{array}{r}877 \\ \hline 17\end{array}$ | 18,591 |
| Hepatitis, infectious .................... | 780 | 646 | 622 | 19,378 | 17,714 | 18, 591 |
| Malaria . . . . . . . . . . . . . . . . . . . . . . . . . . . | 31 | 34 | 4 | - 928 | 870 | 43 |
| Measles (rubeola) | 592 | 1, 614 | 7. 564 | 15,965 | 51,799 | 214, 200 |
| Meningococcal infections, total ........... . | 33 | 43 | 43 | 1.507 | 1.311 | 1.456 |
| Civilian . . . . . . . . . . . . . . . . . . . . . . . . . | 33 | 42 |  | 1.361 | 1.214 |  |
| Military | - | 1 |  | 146 | - 97 |  |
| Mumps | 3,012 | -.. | -.. | 108.983 | -- |  |
| Poliomyelitis, total | 1 | - | 3 | 18 | 10 | 17 |
| Paralytic | 1 | - | 2 | 18 | 9 | 15 |
| Rubella (German measles) ................ | 1.531 | 1,850 | -.- | 36,034 | 32,913 |  |
| Streptococcal sore throat \& Scarlet fever... | 6,889 | 7.454 | 6, 757 | 239. 309 | 259, 532 | 234,052 |
| Tetanus . . . . . . . . . . . . . . . . . . . . . . . . . | - 3 | 7 | 5 | 54 | 73 | 89 |
| Tularemia | 1 | 3 | 7 | 77 | 65 | 94 |
| Typhoid fever . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 9 | 39 | 7 | 116 | 173 | 156 |
| Typhus, tick-borne (Rky. Mt. spotted fever). | 9 | 14 | 10 | 54 | 57 | 34 |
| Rabies in animals ....................... | 66 | 87 | 87 | 1,680 | 2,054 | 2,054 |

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

|  | Cum. |  | Cum. |
| :---: | :---: | :---: | :---: |
| Anthrax: | 2 | Rabies in man: | - |
| Botulism: Calif.-1 | 1 | Rubella, Congenital Syndrome: | 3 |
| Leptospirosis: Kans.-1 | 13 | Trichinosis: N.Y.C-1, Wash.-1 |  |
| Plague: . . . . . . . . . . . | - | Typhus, murine: Tex.-1 | 6 |
| Psittacosis: Pa.-1, Tex.-1 | 18 |  |  |

TAENIASIS - (Continued from front page)
habits returned to the previous normal pattern. Her stools will be examined periodically to see if the entire worm was removed.

The commercial sources of beef for the single supermarket from which the autochthonous case purchased her meat were traced. It was found that two of the sources were slaughter houses in Nebraska and Iowa that had processed Texas cattle infected with Cysticercus bovis during the epizootic that first appeared in mid-March (MMWR, Vol. 17, No. 16). An investigation is now under-
way to determine if there are more autochthonous cases of taeniasis in this region.

At the same time that this autochthonous case was found, two imported cases of taeniasis, one in an Ethiopian and the other in a Lebanese, were also reported in Rhode Island.
(Reported by Joseph E. Cannon, M.D., M.P.H., Director, Rhode Island Department of Health; and an EIS Officer.)
*Available through Parasite Disease Drug Service

## TRICHINOSIS - Ohio

An outbreak of trichinosis has been reported from Willoughby, Lake County, Ohio, in an Italian family. Between March 9 and March 25, 1968, four of seven family members developed symptoms compatible with trichinosis and were later found to have positive serologic tests for trichinosis; two other persons in the family had symptoms and laboratory data highly suggestive of trichinosis, and one member was possibly infected (Table 1). The most common symptoms were fever, periorbital edema, and muscle ache. Suessenguth-Kline flocculation tests for trichinosis were positive for all four of the four patients tested. No muscle biopsies were performed. All patients were treated at home with corticosteroids, and all have recovered.

Investigation revealed that the family had consumed pork purchased in mid-February 1968 from two sources. Pork butts, purchased from a packing company in Ohio, were ground into sausage by the family and used in making spaghettı sauce. The family reported that the sauce was well-cooked and was eaten on March 7 and March 9. It was also eaten on two occasions by the family's physi-
cian who has remained well. On examination, a sample of sausage used in this sauce was negative for trichina larvae.

The family also purchased fresh sausage from another packing company in Ohio. This sausage was soaked in oil at home for several days and then eaten raw by at least six of the seven family members. The dates and amount of consumption of the sausage by each family member were unobtainable, but the sausage was eaten on several occasions by most of the family. Cases 1 and 2 , who had the earliest dates of onset and who were severely ill, do a majority of the food preparation for the family and may have had the greatest, exposure. No person outside the household ate this raw sausage. When tested, the sausage was found to be infected with an average of three trichina larvae per 50 gm of sausage.

It is unlikely that the pork used in the spaghetti sauce was the source of infection since the onset of systemic symptoms in three of the cases occurred only 2 days after

Table 1
Case Data in Family Outbreak of Trichinosis Willoughby, Ohio, March 9 - March 25, 1968

| Case | $\begin{gathered} \text { Age } \\ \text { (years) } \end{gathered}$ | Sex | Date of Onset of Symptoms | Symptoms | WBC | Eosinophils | Serology: <br> Suessenguth-Kline Flocculation | Pork Eaten |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | Spaghetti Sauce | $\begin{gathered} \text { Raw } \\ \text { Sausage } \end{gathered}$ |
| 1 | 27 | F | March 9 | Fever, Nausea, <br> Periorbital edema, Muscle ache | 14,700 | 29\% | Positive | Yes | Yes |
| 2 | 24 | F | March 9 | Fever, Nausea, Periorbital edema, Muscle ache | 6,900 | 12\% | Positive | Yes | Yes |
| 3 | 5 | M | March 9 | Rash, Periorbital edema | 14.000 | 25\% | Positive | Yes | Yes |
| 4 | 61 | M | March 14 | Slight muscle ache | Not tested | Not tested | Not tested | Yes | Uncertain |
| 5 | 30 | M | March 15 | Fever, Periorbital edema, Muscle ache | 8,950 | 21\% | Not tested | Yes | Yes |
| 6 | 60 | F | March 25 | Conjunctival hemorrhage | 6,300 | 7\% | Positive | Yes | Yes |
| 7 | 2 | M | March 25 | Rash | 14,150 | 14\% | Not tested | Yes | Yes |

consumption. These signs and symptoms of larval migration and muscle infiltration, generally, do not appear prior to the sixth day after ingestion of trichinous meat. Therefore it is likely that the raw sausage soaked in oil was the source of trichinosis.

No cases of trichinosis were reported to the Lake County Health Department in 1967 and only these seven cases have been reported in 1968. However, two cases in
neighboring Cuyahoga County are presently under investigation for possible relationship to this outbreak.
(Reported by Ralph A. Masterson, D.V.M., M.P.H., Chief, Epidemiology Section, Jack Russell, D.V.M., Chief, Veterinary Unit, and Ohio Department of Health Laboratory, Ohio Department of Health; and Fred C. Kluth, M.D., Willoughby, Ohio.)

## SUSPECT BOTULISM - California

A 49-year-old executive became ill on the evening of May 15,1968 , on his way home to San Diego after attending a convention in Wisconsin. His illness began with nausea, vomiting, and abdominal pain. After arriving home that same evening, he continued vomiting for 48 hours and was admitted to a hospital on May 17 . On admission, he was severely dehydrated and had mild respiratory distress. Radiologic examination showed dilated loops of small bowel. A diagnosis of bowel obstruction was made, and at operation on May 18, a volvulus was found and reduced; however, an adynamic ileus was also present. Over the next 2 days the patient had increasing respiratory difculty, and a tracheostomy was performed. The patient also developed symmetrical extraocular muscle weakness, ptosis, poorly reacting pupils, dysphagia, dry mouth, and neck muscle weakness. Deep tendon reflexes remained normal and no sensory impairment was found. Review of medications used prior to and during surgery revealed no obvious drug which might have caused these symptoms. The edrophonium test for myasthenia gravis was negative. Blood counts, serum chemistries, and cerebral spinal fluid studies were within normal limits.

On May 19 a diagnosis of botulism was considered and the patient was given 100,000 units of types A and B botulinum antitoxin without response; however, there was an apparent improvement when 10,000 units of type E antitoxin were given on May 19 and again on May 20. In spite of these temporary improvements the patient developed bronchopneumonia, became comatose, and died on May 25. Autopsy examination revealed no specific findings other than the bronchopneumonia. No evidence of intracranial tumor, cerebral arterial thrombosis, or hemorrhage was found.

The patient had attended a convention in Wisconsin on May 13 through 15, immediately prior to the onset of his illness. Review of the patient's food history at the convention and in the days prior to the meeting and review of the convention menu revealed no highly suspect food source.

Approximately 265 persons from 42 states had been at the convention with the patient. An intensive telephone survey of 256 of these persons was undertaken on May 20 and 21 by state epidemiologists, city health officials, and

EIS officers. No other persons with symptoms suggestive of botulism were found. It was learned that 30 persons had transient gastrointestinal illness during and after the convention, and an additional eight had equivocal, mild subjective neurologic symptoms during this period. Food histories did not implicate any single item as a possible source of illness. Overindulgence and late hours may have accounted for some if not all of these mild symptoms. Bioassay of serum specimens obtained from the patient and from 11 of the persons with equivocal symptoms were negative for botulinum toxin. Smoked and canned salmon a nd other food served at the convention were obtained for mouse bioassay and for culture. All these tests have been negative.

In summary, a patient died from an illness which was clinically compatible with botulism. However, laboratory and epidemiologic evidence did not confirm this diagnosis. (Reported by Johin J. Dapolito, M.D.; J. B. Askew, M.D., Director of Pubblic Health, San Diego County Health Departmert; Philip K. Condit, M.D., Chief, Bureau of Communicable Diseases,, and the State Public Health Laboratories, California State Department of Public Health; Olga Brolnitsky, M.D., Chief Epidemiologist, Communicable Diseases, and Samuel Andelman, M.D., Commissioner, Chicago Board of Health; Norman J. Rose, M.D., Chief, Bureau of Epidemiology, Illinois Department of Public Health; H. Grant Skinner, M.D., Chief, Section of Communicable Disease Control, and S. L. Inhorn, M.D., Director, State Laboratory of Hygiene, Wisconsin State De partment of Health and Social Services; Food and Drug Administration, Washington, D.C.; Laboratory'Program, NCDC; State Epidemiologists and City and County Health Officials in 39 other states; and many EIS Officers.)

## Editoral Note

The inability to demonstrate circulating botulinum toxin in serum does not exclude the diagnosis of botulism in this case. In botulism, there are no specific postmortem changes. Therefore the lack of autopsy findings in this case does not support or negate the diagnosis, but it does exclude intracranial lesions which might cause a similar syndrome.

## MALARIA - New York

On January 23, 1968, a 62 -year-old woman was admitted to a New York City hospital for introduction of a bypass for an occluded left femoral artery. Following surgery, the patient's postoperative course was unremarkable until

February 21 when her temperature rose to $102^{\circ} \mathrm{F}$. She experienced spiking fevers up to $104^{\circ} \mathrm{F}$. every other day until March 1. Then, between March 1 and 11 with the exception
(Continued on page 212)

## MALARIA - (Continued from page 211)

of March 7, she had daily fever spikes with shaking chills. Physical examination on March 6 showed enlargement of the liver, and the possibility of hepatitis was considered. On March 11, examination of a routine blood smear revealed the presence of Plasmodium vivax parasites. Following treatment with chloroquine, the patient showed prompt clinical improvement.

The patient was born in Austria and came to the United States many years ago. She had never lived in malarious areas and had no history of unexplained fevers, blood transfusions, or use of commonly shared syringes. Because of a progressive decline of the hematocrit, the patient received seven units of whole blood between February 1 and 7,1968 . Four of the seven donors could be located. One donor was a 22 -year-old veteran who had served in Vietnam from July 21, 1966, until July 21, 1967. He gave no history of malaria while overseas. However, on September 8,1967 , he developed daily fever spikes for which he was admitted to an Army hospital on September 12, 1967; vivax malaria was then diagnosed. Over a 3 -day period he was treated with a total of 1.5 gm of chloroquine base and was then given eight tablets of chloroquine-primaquine to be taken once a week for eight weeks.

On February 1, 1968, he donated blood in New Jersey which was given to the patient in New York City on Feb-
ruary 4. The donor had denied both his military duty and his hospitalization for malaria to the blood bank. Examination of blood films from the donor taken in March 1968 revealed the presence of $P$. vivax parasites. Another donor, in Oklahoma, had served in Korea in 1960-1961, and had traveled in Mexico for several weeks in 1965. He did not give a history of malaria and no parasites could be detected in his blood. The two other contacted donors had not resided in malarious areas and gave no history suggestive of malaria.

The donor in New Jersey had also donated blood on December 15,1967 . This blood was given to a patient in New York City on December 28, 1967, together with another unit of blood. This recipient did not experience symptoms compatible with malaria although she did develop hepatitis 6 weeks after hospitalization.
(Reported by Vincent F. Guinee, M.D., Director, Bureau of Preventable Diseases, and Howard B. Shookhoff, M.D., Chief, Tropical Disease Division, New York City Department of Health; Herbert I. Horowitz, M.D., New York City; and Martin Goldfield, M.D., Director, Division of Laboratories, and Ronald Altman, M.D., Acting Director, Division of Preventable Diseases, New Jersey State Department of Health.)

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS
CASES OF PRIMARY AND SECONDARY SYphilis: By Reporting Areas May 1968 and May 1967 - Provisional Data


## INTERNATIONAL NOTES <br> METHOD OF RECORDING DATE OF INTERNATIONAL CERTIFICATES OF VACCINATION

The World Health Organization has recently called attention to the requirement in the "International Sanitary Regulations" ${ }^{1}$ that all dates should be recorded in the following sequence:

$$
\text { e.g. } \frac{\text { Day }}{2} \quad \frac{\text { Month }}{\text { May }} \quad \frac{\text { Year }}{1968}
$$

WHO points out that difficulties continue to arise because of the use of arabic figures for recording the month. In the United States and some other countries, it is the custom to write the month (either in letters or arabic numerals) before the day. However, it is a common practice in many
countries to follow the format indicated above. Thus, an American physician who vaccinated one of his patients on November 2, 1965, may have written the date as " $11 / 2 / 65$." A quarantine inspector in Europe would assume that such a Certificate was issued on February 11, 1965. He would, therefore, consider the Certificate invalid because of apparent issuance more than 3 years prior to the present time. No misinterpretation is possible, however, if the date were indicated as prescribed by WHO, that is, "2 Nov. 65." (Reported by Foreign Quarantine Program, NCDC.)
Reforence:
${ }^{1}$ World Health Organization: International Sanitary Regulations, Third Annotated Edition, 1966, page 49, Geneva.

## CURRENT TRENDS <br> MEASLES - Florido

Mass measles eradication programs have been conducted in 25 of Florida's 67 counties since November 1966. Over 3 million of the state's 6 million population reside in the counties where these programs were held. Additionally, routine measles vaccination has been ongoing in all counties through private practitioners and health department chinics. Presently 60 of the state's 67 counties participate in a Birth Certificate Follow-up Program which promotes immunizations. Reported cases of measles decreased from 3,976 cases in calendar year 1966 to 1,806 in 1967.

At the end of the eighth week of 1968, Orange County (population 305,500 ) had reported 20 percent of the 102 measles cases reported in Florida. Orange County had not conducted a county-wide eradication program. During the following 8 weeks, 168 measles cases were reported in the state and 94 cases ( 56 percent) were reported from Orange County (Figure 1). Epidemiologic investigation showed that the cases were occurring in elementary schools of low and middle socioeconomic groups and that approximately 17,000 children in Orange County were susceptible. Accordingly, an epidemic control program was planned.

From May 13 through May 22, 1968, selected elementary schools were visited by immunization teams, and susceptibles in the schools were administered measles vaccine. Parents were also encouraged to bring susceptible preschool children to the schools. Of the county's 70 elementary schools, 23 schools, representing 25 percent of the county's elementary school population, were visited. Measles vaccine was administered to 4,511 school children and 404 preschool children. During the program, an additional 25 cases of measles were reported in Orange County.
(Reported by E. Charlton Prather, M.D., M.P.H., Director, Division of Epidemiology, Florida State Board of Health; and an EIS Officer.)


Figure 1
REPORTED CASES OF MEASLES BY 4-WEEK PERIODS, EPIDEMIOLOGIC YEAR 1967-68 FLORIDA

## INTERNATIONAL NOTES

PLAGUE - Central Java, Indonesio

On February 21, 1968, the NCDC was notified that an outbreak of bubonic plague was occurring in Central Java, Indonesia. In response to a request from the Indonesian Ministry of Health, an NCDC team was sent to assist in the investigation and control of the epidemic.

From January 1 through March 23, 1968, 90 reported cases of plague with 36 deaths occurred in 10 villages in two subdistricts of Bojolali Regency, Central Java, Indonesia(Figure 2). These subdistricts are located between two volcanic mountains, Merapi (active) and Merbabu (inactive), and the infected area is inland near the center of Java, approximately 300 miles from Djakarta. The peak incidence of the epidemic occurred in the week ending February 3 when 21 cases were reported. Although cases were reported in all age groups up to the age of 60 years, 56 percent of the cases were in persons under 21 years of age (Figure 3). There was no sex related preponderance of cases or deaths.

Figure 2
CASES OF PLAGUE BY DATE OF ONSET INDONESIA - JANUARY 1.MARCH 23, 1968


Of the 90 cases, seven were classified as pneumonic plague. A husband, wife, and child who died during the week of March 8 had strongly suspect pneumonic plague; subsequently, four secondary cases with clinically apparent pneumonic plague were found. No additional pneumonic cases occurred, apparently due to the quarantine imposed upon the households and subvillages in which the initial cases occurred and the treating of all residents in the quarantined area with prophylactic antibiotics.

During the outbreak, field studies were conducted to survey the rat and flea populations in Bojolali. The most frequently captured rodent was Rattus rattus diardi and the most common ectoparasite harvested from captured rodents was Xenopsylla cheopis. In subvillages that had been sprayed with DDT prior to February 21, the flea index was

Figure 3
DISTRIBUTION OF PLAGUE CASES AND DEATHS BY AGE INDONESIA - JANUARY-MARCH 1968

approximately 1.0 flea per rat; in unsprayed areas, the indices ranged from 0.4 to 3.3 fleas per rat. Ectoparasite control was continued by several teams who dusted and sprayed villages with DDT on a planned basis, village by village, and by a mobile team that effected vector control within a 200 meter radius around each new reported case.

Several vaccination teams conducted an immunization program using standard methods as well as pedi-jet guns in an effort to provide a buffer of immune subjects throughout the two suldistricts. Of the 42.693 persons ( 82 percent of the population in the two subdistricts) who had received one dose of vaccine by March 28, approximately 50 percent had received a single dose of live attenuated vaccine; the remaining 50 percent received killed vaccine and would require a booster dose.

At the request of the Indonesian Ministry of Health, the NCDC team helped train Indonesian health personnel in epidemiologic methods, methods for conducting rodent and ectoparasite surveys, methods for fumigating ships, and in the use of bacterial agglutination and passive hemagglutination tests.

In addition to the 90 cases reported from January 1 through March 23, 1968, one case occurred in the first week of April; this case is presently being investigated. No new cases were reported after the first week of April.
(Reported by Dr. J. Sulianti, Director General, Communicable Disease Control, Indonesia; Ecological Investigations Program, NCDC, Kansas City, Kansas; and a team from NCDC.)

CURRENT TRENDS
MEASLES - United States

For the week ending June 8, 1968, (week 23), 592 cases of measles were reported to NCDC. This is a decrease of 133 cases from the total of 725 cases reported for the preceding week. In addition, the 592 measles cases reported for the current week are 1,022 fewer than the 1,614 cases in 1967 , and 16,218 fewer than the cases reported for the corresponding week in 1964 (Figure 4).

During the first 23 weeks in $1968,15,965$ cases of measles have been reported to the NCDC. This is 31 percent, 9.5 percent, 7.5 percent, and 3.9 percent of the cumulative totals reported to NCDC for the same time periods in the years 1967 through 1964, respectively. (Reported by State Services Section and Statistics Section, Epidemiology Program, NCDC.)

Figure 4
REPORTED CASES OF MEASLES BY WEEK UNITED STATES, 1967-68 COMPARED WITH


# SURVEILLANCE SUMMARY <br> MEASLES MORTALITY - United States, 1966 

Figure 5
REPORTED MEASLES CASES AND DEATHS PER 100,000 POPULATION UNITED STATES, 1912-1967

A total of 261 deaths have been attributed to measles occurring in 1966 in the United States. This total is 15 measles deaths less than the 276 recorded in 1965 and 160 less than the 421 recorded in 1964. The death rate for 1966 is 0.13 deaths per 100,000 population. This is the third year in which the death rate fell below 0.20 deaths per 100,000 population (Figure 5); the other 2 years were 1963 (0.19) and 1965 (0.14).
(Reported by State Services Section and Statistics Section, Epidemiology Program, NCDC.)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 8, 1968 AND JUNE 10, 1967 (23rd WEEK)

| AREA | ASEPTIC MENINGITIS |  | Brucellosis | diplitheria | ENCEPHALITIS |  |  | HEPATITIS |  |  | MALARIA |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Primary including unsp. cases |  | PostInfectious | Serum | Infectious |  |  |
|  | 1968 | 1967 |  | 1968 | 1968 | 1968 | 1967 | 1968 | 1968 | 1968 | 1967 | 1968 |
| UNITED STATES... | 48 | 48 | 3 | - | 28 | 32 | 6 | 70 | 780 | 646 | 31 |
| NEW ENGLAND. . . . . . . . | 3 | 3 | - | - | 1 | 3 | 1 | 1 | 29 | 18 | - |
| Maine............... | - | - | - | - | - | - | - | - | 2 | 2 | - |
| New Hampshire...... | - | - | - | - | - | - | - | - | - | - | - |
| Vermont............. | - | - | - | - | - | - | - | - | - | - | - |
| Massachusetts...... | 3 | 2 | - | - | - | 1 | 1 | 1 | 17 | 7 | - |
| Rhode Is land....... | - | 1 | - | - | $\overline{-}$ | 2 | - | - | 4 | 5 | - |
| Connecticut........ | - | - | - | - | 1 | - | - | - | 6 | 4 | - |
| MIDDLE ATLANTIC...... | 12 | 10 | - | - | 11 | 5 | 2 | 23 | 140 | 97 | 9 |
| New York City...... | 9 | 1 | - | - | 6 | - | - | 16 | 42 | 24 | 2 |
| New York, up-State. | 1 | - | - | - |  | - | 1 | 1 | 16 | 15 | 2 |
| New Jersey......... | 2 | 8 | - | - | 2 | 4 | - | 4 | 43 | 21 | 1 |
| Pennsylvania....... | - | 1 | - | - | 3 | 1 | 1 | 2 | 39 | 37 | 4 |
| EAST NORTH CENTRAL... | 5 | 5 | - | - | 6 | 7 | - | 6 | 131 | 108 | 5 |
| Ohio............... | 5 | 1 | - | - | 2 | 4 | - | 2 | 30 | 19 | - |
| Indiana. . . . . . . . . . | - | 1 | - | - | 1 | 1 | - | - | 12 | 11 | - |
| Illinois........... | - | 2 | - | - | 1 | 1 | - | 2 | 44 | 34 | 2 |
| Michigan........... | - | 1 | - | - | - | 1 | - | 2 | 42 | 33 | 3 |
| Wisconsin.......... | - | - | - | - | 2 | - | - | - | 3 | 11 | - |
| WEST NORTH CENTRAL.. | 4 | - | 1 | - | 3 | 2 | 3 | - | 36 | 45 | 6 |
| Minnesnta........... | 4 | - | - | - | - | 1 | 1 | - | 9 | 9 | - |
| Iowa. . . . . . . . . . . . | - | - | - | - | - | - | 1 | - | 6 | 2 | - |
| Missouri............ | - | - | - | - | - | - | - | - | 11 | 23 | 1 |
| North Dakota....... | - | - | - | - | - | - | - | - | - | 5 | - |
| South Daknta | - | - | - | - | 3 | - | - | - | 1 | 1 | - |
| Nebraska............ | - | - | - | - | - | - | - | - | 1 | - | - |
| Kansas............. | - | - | 1 | - | - | 1 | 1 | - | 8 | 5 | 5 |
| SOUTH AtLANTIC....... | - | 4 | - | - | 1 | 6 | - | 1 | 62 | 71 | 2 |
| Delaware........... | - | - | - | - | - | - | - | - | 5 | 10 | - |
| Maryland............ | - | 1 | - | - | - | 1 | - | 1 | 17 | 10 | 2 |
| Dist. of Columbia.. | - | - | - | - | - | - | - | - | 2 | - | - |
| Virginia........... | - | - | - | - | 1 | - | - | - | 5 | 8 | - |
| West Virginia...... | - | 1 | - | - | - | - | - | - | 8 | 4 | - |
| North Carolina. . . . | - | 1 | - | - | - | - | - | - | - | 1 | - |
| South Carolina..... | - | - | - | - | - | - | - | - | 4 | - | - |
| Georgia. . . . . . . . . . | - | - | - | - | - | - | - | - | 1 | 25 | - |
| Florida...t........ | - | 1 | - | - | - | 5 | - | - | 20 | 13 | - |
| EAST SOUTH CENTRAL... | 1 | 6 | 1 | - | 2 | 2 | - | - | 58 | 43 | - |
| Kentucky............ | - | - | - | - | - | 1 | - | - | 23 | 14 | - |
| Tennessee........... | 1 | - | 1 | - | - | 1 | - | - | 24 | 12 | - |
| Alabama............. | - | - | - | - | - | - | - | - | 4 | 6 | - |
| Mississippi........ | - | 6 | - | - | 2 | - | - | - | 7 | 11 | - |
| WEST SOUTH CENTRAL... | 7 | 4 | 1 | - | - | 2 | - | 1 | 58 | 78 | 1 |
| Arkansas............ | - | - | - | - | - | 1 | - | 1 | 1 | 3 | - |
| Louisiana........... | 3 | 2 | 1 | - | - | 1 | - | - | 5 | 7 | 1 |
| Oklahoma............ | - | - | - | - | - | - | - | - | 21 | 4 | - |
| Texas.............. | 4 | 2 | - | - | - | - | - | - | 31 | 64 | - |
| mountain.. . . . . . . . . . . | - | - | - | - | 1 | - | - | - | 17 | 18 | 1 |
| Montana. . . . . . . . . . . | - | - | - | - | - | - | - | - | 8 | 1 | - |
| Idaho............... | - | - | - | - | - | - | - | - | - | - | - |
| Wyoming............ | - | - | - | - | - | - | - | - | - | 1 | - |
| Coloraḑo............ | - | - | - | - | 1 | - | - | - | - | 6 | 1 |
| New Mexico.......... | - | - | - | - | - | - | - | - | 5 | 6 | - |
| Arizona............. | - | - | - | - | - | - | - | - | 3 | 2 | - |
| Utah................ | - | - | - | - | - | - | - | - | 1 | 2 | - |
| Nevada. . . . . . . . . . . | - | - | - | - | - | - | - | - | - | - | - |
| PACIFIC.............. | 161 | 16 | - | - | 3 | 5 | - | 38 | 249 | 168 | 7 |
| Washington......... | 1 | 2 | - | - |  | 1 | - | 38 | 13 | 14 | - |
| Oregon.............. | , | 5 | - | - | - | - | - | 1 | 17 | 8 | 7 |
| California.......... | 12 | 5 | - | - | 2 | 4 | - | 37 | 219 | 146 | 7 |
| Alaska.............. | - | - | - | - | 1 | - | - | - | - | - | - |
| Hawaii............... | 3 | 9 | - | - | - | - | - | - | - | - | $\cdots$ |
| Puerto Rico..t....... | - | 1 | - | - | - | - | - | - | 15 | 32 | - |

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

## FOR WEEKS ENDED

JUNE 8, 1968 AND JUNE 10, 1967 (23rd WEEK) - CONTINUED


Delayed reports: Measles: Me. 17, Mass. delete 2, N.C. delete I, Ala. delete 4, Okla. 2
Meningococcal infections: P.R. 1
Mumps: Me. 12, Mo. 295
Rubella: Me. 34

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JUNE 8, 1968 AND JUNE 10, 1967 (23rd WEEK) - CONTINUED

| AREA | STREPTOCOCCAL SORE THROAT \& SCARLET FEVER | tetanus |  | TULAREMIA |  | TYP HOID |  | ```TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)``` |  | RABIES IN ANIMALS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1968 | 1968 | Cum. 1968 | 1968 | $\begin{aligned} & \text { Cum. } \\ & 1968 \end{aligned}$ | 1968 | Cum. 1968 | 1968 | Cum. 1968 | 1968 | $\begin{aligned} & \text { Cum. } \\ & 1968 \\ & \hline \end{aligned}$ |
| UNITED STATES... | 6,889 | 3 | 54 | 1 | 77 | 9 | 116 | 9 | 54 | 66 | 1,680 |
| NEW ENGLAND. . . . . . . . . | 1,305 | - | 1 | - | 40 | - | 4 | - | - | 1 | 59 |
| Maine..*........... | 10 | - | - | - | - | - | - | - | - | - | 50 |
| New Hampshire..... | 46 | - | - | - | - | - | - | - | - | - | 2 |
| Vermont............ | 69 | - | - | - | 40 | - | - | - | - | 1 | 6 |
| Massachusetts...... | 227 | - | - | - | - | - | 2 | - | - | - | 1 |
| Rhode Is land....... | 76 877 | - | 1 | - |  | - | 2 | - | - | - | - |
| Connecticut........ | 877 | - | 1 | - |  | - | 2 | - | - | - | - |
| MIDDLE ATLANTIC...... | 413 | - | 9 | - | 3 | - | 11 | - | 4 | 1 | 15 |
| New York City...... | 12 | - | 5 | - | - | - | 6 | - | - | - | - |
| New York, Up-State. | 388 | - | 4 | - | 3 | - | 2 | - | 1 | 1 | 11 |
| New Jersey......... | NN | - | - | - | - | - | - | - | - | - | - |
| Pennsylvania....... | 13 | - | - | - | - | - | 3 | - | 3 | - | 4 |
| EAST NORTH CENTRAL... | 499 | - | 6 | - | 4 | 2 | 20 | - | 2 | 13 | 150 |
| Ohio................ | 41 | - | - | - | 1 | - | 11 | - | 1 | 8 | 60 |
| Indiana............ | 70 | - | 1 | - | - | - | 1 | - | - | 3 | 56 |
| Illinois........... | 158 | - | 4 | - | 2 | 2 | 7 | - | 1 | 2 | 15 |
| Michigan............ | 156 | - | 1 | - | 1 | - | - | - | - | - | 8 |
| Wisconsin........... | 74 | - | - | - | - | - | 1 | - | - | - | 11 |
| WEST NORTH CENTRAL... | 281 | - | 2 | - | 6 | - | 5 | - | 2 | 11 | 377 |
| Minnesota.......... | 26 | - | - | - | - | - | - | - | - | 2 | 107 |
| Iowa.... | 79 | - | - | - | - | - | - | - | - | 3 | 71 |
| Missouri............ | 2 | - | 2 | - | 4 | - | 3 | - | - | 2 | 66 |
| North Dakota. . | 68 | - | - | - | - | - | - | - | - | 2 | 61 |
| South Dakota. | 13 | - | - | - | 1 | - | 1 | - | 1 | - | 34 |
| Nebraska. | 93 | - | - | - | - | - | 1 | - | 1 | - | 19 |
| Kansas.............. | - | - | - | - | 1 | - | - | - | - | 2 | 19 |
| SOUTH ATLANTIC....... | 590 | - | 11 | - | 5 | 2 | 31 | 5 | 33 | 8 | 190 |
| Delaware............ | 1 | - | - | - | - | - | - | - | - | - | - |
| Maryland. . . . . . . . . | 120 | - | - | - | - | 1 | 5 | 1 | 3 | - | 3 |
| Dist. of Columbia.. | - | - | 1 | - | - | - | 1 | - | - | - | - |
| Virginia............ | 191 | - | 2 | - | 1 | - | 6 | - | 15 | 5 | 82 |
| West Virginia..... | 146 | - | 1 | - | - | - | - | - |  | - | 24 |
| North Carolina..... | 1 | - | 2 | - | 2 | - | 2 | 4 | 11 | - | 7 |
| South Carolina.... | 6 | - | 1 | - | - | - | - | - | 1 | - | - |
| Georgia. . . . . . . . . . | 26 | - | - | - | 1 | 1 | 8 | - | 2 | 1 | 23 |
| Florida............. | 99 | - | 4 | - | 1 | - | 9 | - | 1 | 2 | 51 |
| EAST SOUTH CENTRAL... | 1,277 | - | 7 | - | 6 | - | 13 | 2 | 6 | 15 | 422 |
| Kentucky........... | 100 | - | 1 | - | 1 | - | 2 | 1 | 1 | 6 | 198 |
| Tennessee........... | 958 | - | 2 | - | 4 | - | 8 | 1 | 3 | 9 | 206 |
| Alabama............ | 175 | - | 2 | - | - | - | - | - | 1 | - | 18 |
| Mississippi........ | 44 | - | 2 | - | 1 | - | 3 | - | 1 | - |  |
| WEST SOUTH CENTRAL... | 687 | - | 7 | 1 | 10 | 1 |  | 2 | 6 | 12 | 320 |
| Arkansas............ | 887 | - | 1 | - | 1 | - | 1 | - | - | 3 | 36 |
| Louisiana. ......... | 4 | - | 4 | - | 1 | - | 1 | - | - | - | 30 |
| Okl ahoma. . . . . . . . . | 37 | - |  | 1 | 2 | 1 | 2 | 1 | 4 | 2 | 97 |
| Texas.............. | 646 | - | 2 | - | 6 | - | 5 | 1 | 2 | 7 | 147 |
| mountain. . . . . . . . . . . . | 897 | - | - | - | 3 | - | 8 | - | 1 | 2 | 37 |
| Montana. . . . . . . . . . | 31 | - | - | - | - | - | - | - | - | - | - |
| Idaho. . . . . . . . . . . | 87 | - | - | - | - | - | - | - | - | - | 2 |
| Wyoming. . | 17 | - | - | - | - | - | 1 | - | - | - | 2 |
| Colorado............ | 455 | - | - | - | 1 | - | 2 | - | 1 | - | 1 |
| New Mexico. . . . . . . . | 137 | - | - | - | - | - | 5 | - | - | 1 | 17 |
| Arizona............. | 105 | - | - | - | - | - | - | - | - | 1 | 17 |
| Utah................ | 65 | - | - | - | 2 | - | iz | - | - | - | - |
| Nevada. . . . . . . . . . . . | - | - | - | - | - | - | 1 | - | - | - | - |
| PACIFIC............... | 940 | 3 | 11 | - | - | 4 | 15 | - | - | 3 | 120 |
| Washington. . . . . . . | 162 | - | - | - | - | - | - | - | - | - | - |
| Oregon. . . . . . . . . . . | 102 | 1 | 1 | - | - | - | 2 | - | - | - | 3 |
| California......... | 581 | 2 | 10 | - | - | 4 | 13 | - | - | 3 | 117 |
| Alaska. . . . . . . . . . . | 40 | - | - | - | - | - | - | - | - |  | - |
| Hawaii. . . . . . . . . . . | 55 |  |  |  |  |  |  |  | - | - | - |
| Puerto Rico大......... | 8 | - | 5 | - | - | - | - | - | - | - | 15 |

Week No. TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JUNE 8, 1968
(By place of occurrence and week of filing certificate. Excludes fetal deaths)

| Area | All Causes |  | Pneumonia and Influenza All Ages | Under 1 year A11 Causes | Area | All Causes |  | Pneumonia and Influenza All Ages | Under <br> 1 year <br> All <br> Causes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All <br> Ages | 65 years and over |  |  |  | $\begin{aligned} & \text { All } \\ & \text { Ages } \end{aligned}$ | 65 years and over |  |  |
| NEW ENGLAND: | 667 | 416 | 20 | 30 | SOUTH ATLANTIC: | 1,231 | 630 | 37 | 52 |
| Boston, Mass | 216 | 118 | 9 | 12 | Aclanta, Ga.---------- | 143 | 55 | - | 10 |
| Bridgeport, Conn.----- | 49 | 31 | - | 3 | Baltimore, Md.------..- | 296 | 156 | 5 | 10 |
| Cambridge, Mass.------ | 24 | 14 | - | 1 | Charlotte, N. C. | 49 | 30 | 1 | 2 |
| Fall River, Mass.----- | 31 | 23 | - | 1 | Jacksonville, Fla.....- | 74 | 43 | - | 1 |
| Hartford, Conn. | 63 | 42 | 1 | 1 | Miami, Fla.---------- | 95 | 55 | 1 | 7 |
| Lowel1, Mass.--.------ | 25 | 14 | 3 | 2 | Norfolk, Va | 50 | 21 | 5 | 1 |
| Lynn, Mass.----------- | 26 | 21 | 1 | - | Richmond, Va. | 73 | 40 | 3 | 9 |
| New Bedford, Mass.--- | 23 | 13 | - | 1 | Savannah, Ga.-------.-- | 44 | 15 | 2 | 2 |
| New Haven, Conn.--...- | 48 | 30 | - | 2 | St. Petersburg, Fla | 87 | 68 | 8 |  |
| Providence, R. I.-.-.- | 27 | 23 | - | - | Tampa, Fla.------ | 77 | 38 | 7 | 4 |
| Somerville, Mass.----- | 9 | 9 | 1 | - | Washington, D. C.------ | 191 | 85 | 2 | 5 |
| Springfield, Mass.---- | 45 | 29 | - | 2 | Wilmington, Del | 52 | 24 | 3 | 1 |
| Waterbury, Conn.------ | 37 | 23 | - | 4 |  |  |  |  |  |
| Worcester, Mass.------ | 44 | 26 | 5 | 1 | EAST SOUTH CENTRAL: | 688 | 359 | 26 | 33 |
|  |  |  |  |  | Birmingham, Ala | 82 | 41 | 1 | 5 |
| Middle atlantic: | 3,359 | 1,942 | 115 | 153 | Chattanooga, Tenn.----- | 73 | 32 | 7 | 10 |
| Albany, N. Y.--------- | 46 | 34 | 1 | 1 | Knoxville, Tenn.-.----- | 25 | 16 |  | 1 |
| Allentown, Pa.-....-.- | 44 | 29 | 1 | 1 | Louisville, Ky..........- | 136 | 73 | 9 | 4 |
| Buffalo, N. Y. | 143 | 78 | 3 | 10 | Memphis, Tenn. | 174 | 88 | 3 | 8 |
| Camden, N. J.--------- | 46 | 30 | - | 1 | Mobile, Ala.-----..----- | 48 | 26 | - | 1 |
| Elizabeth, N. J.------ | 35 | 14 | - | 2 | Montgomery, Ala.------- | 27 | 16 | 2 | 1 |
| Erie, Pa. | 52 | 32 | 1 | 2 | Nashville, Tenn.-....--- | 123 | 67 | 4 | 3 |
| Jersey City, N. J.-.- | 75 | 42 | 4 | 5 |  |  |  |  |  |
| Newark, N. J.--------- | 112 | 60 | 5 | 10 | WEST SOUTH CENTRAL: | 1,223 | 638 | 48 | 92 |
| New York City, N. Y.-- | 1,656 | 958 | 61 | 64 | Austin, Tex,----------- | 50 | 30 | 4 | 3 |
| Paterson, N. J.------- | 42 | - 19 | 3 | 7 | Baton Rouge, La.------- | 44 | 20 | 2 | 4 |
| Philadelphia, Pa.-..-- | 495 | 280 | 9 | 21 | Corpus Christi, Tex.--- | 19 | 7 | - | 4 |
| Pittsburgh, Pa.------- | 200 | 1105 | 2 | 11 | Dallas, Tex. | 165 | 88 | 2 | 14 |
| Reading, Pa.--------- | 63 | - 44 | - | 1 | E1 Paso, Tex.---------- | 48 | 32 | 4 | 6 |
| Rochester, N. Y.......- | 99 | 53 | 7 | 8 | Fort Worth, Tex.------- | 69 | 35 | 3 | 5 |
| Schenectady, N. Y. | 33 | 21 | 3 | - | Houston, Tex.---------- | 224 | 98 | 5 | 16 |
| Scranton, Pa,--------- | 53 | 29 | 1 | 2 | Little Rock, Ark.------ | 59 | 37 | 8 | 2 |
| Syracuse, N. Y.------- | 85 | 56 | 5 | 3 | New Orleans, La.--....- | 196 | 94 | 4 | 10 |
| Trenton, N. J.-------- | 27 | 16 | 3 | 3 | Oklahoma City, Okla | 68 | 41 | 2 | 5 |
| Utica, N. Y.-----....- | 21 | 18 | 4 |  | San Antonio, Tex.------ | 144 | 76 | 4 | 14 |
| Yonkers, N. Y.-------- | 32 | 24 | 2 | 1 | Shreveport, La.-------- | 54 | 24 | 2 | 7 |
|  |  |  |  |  | Tulsa, Okla. | 83 | 56 | 8 | 2 |
| EAST NORTH CENTRAL: | 2,732 | 1,555 | 79 | 154 |  |  |  |  |  |
| Akron, Ohio----------- | 64 | 39 | - | 3 | MOUNTAIN: | 499 | 270 | 21 | 20 |
| Canton, Ohio--.-.----- | 29 | 20 | 3 | - | Albuquerque, N. Mex.--- | 41 | 17 | 5 |  |
| Chicago, Ill.---------- | 799 | 417 | 36 | 49 | Colorado Springs, Colo. | 34 | 25 | 4 | 2 |
| Cincinnati, Ohio----- | 170 | 103 | 3 | 12 | Denver, Colo.---------- | 144 | 77 | 7 | 7 |
| Cleveland, Ohio-.-.--- | 245 | 118 | 5 | 15 | Ogden, Utah------------ | 17 | 10 | 2 | 1 |
| Columbus, Ohio----...- | 127 | 72 | 2 | 4 | Phoenix, Ariz.--------- | 114 | 51 | - | 4 |
| Dayten, Ohio---------- | 99 | 55 | 1 | 6 | Pueblo, Colo.----------- | 27 | 19 | 3 | 1 |
| Detroit, Mich.-------- | 311 | 174 | 7 | 18 | Salt Lake City, Utah--- | 58 | 36 | - | 3 |
| Evansville, Ind.----- | 48 | 32 | 2 | 2 | Tucson, Ariz.--------- | 64 | 35 | - | 2 |
| Fint, Mich.---------- | 44 | 26 | 1 | 6 |  |  |  |  |  |
| Port Wayne, Ind.----- | 48 | 29 | 2 | 1 | PACIFIC: | 1,513 | 894 | 31 | 60 |
| Gary, Ind.---....-.----- | 24 | 12 | 1 | - | Berkeley, Calif.------- | 15 | 14 | - | - |
| Grand Rapids, Mich.--- | 61 | 47 | - | 7 | Fresnc, Calif.-.-.------ | 48 | 22 | 2 | 7 |
| Indianapolis, Ind.---- | 175 | 97 | 2 | 17 | Glendale, Calif.-...--- | 27 | 19 | - | - |
| Madison, Wis.--------- | 44 | 20 | 6 | 2 | Honolulu, Hawaii----..- | 48 | 25 | 5 | 5 |
| Mi1waukee, Wis.---.--- | 150 | 99 | - 3 | 8 | Long Beach, Calif.--.-- | 102 | 64 | 2 | 3 |
| Peoria, Ill.---------- | 29 | 15 | 1 | 2 | Los Angeles, Calif.---- | 411 | 240 | 7 | 14 |
| Rockford, Ill.-------- | 35 | 26 | 1 | - | Oakland, Calif.-------- | 78 | 45 | 2 | 8 |
| South Bend, Ind.------ | 40 | 25 | - | 2 | Pasadena, Calif.------- | 32 | 23 | - | 1 |
| Toledo, Ohio----------- | 114 | 75 | 3 | 5 | Portland, Oreg.--------- | 114 | 67 | 2 | 3 |
| Youngstown, Ohio----- | 76 | 54 | - | 2 | Sacramento, Calif.----- <br> San Diego, Calif. | 63 96 | 41 57 | - | 1 |
| WEST NORTH CENTRAL: | 893 | 524 | 21 | 47 | San Francisco, Calif.-- | 96 161 | 57 79 | - | 4 |
| Des Moines, Iowa---.-- | 63 | 41 | 4 | 1 | San Jose, Calif.------- | 48 | 27 | 1 | - |
| Duluth, Minn.--------- | 13 | 6 | 1 | 2 | Seattle, Wash.--------- | 177 | 108 | 9 | 6 |
| Kansas City, Kans.---- | 27 | 14 | 1 | 3 | Spokane, Wash.-.------- | 51 | 32 | - | 1 |
| Kansas City, Mo.------ | 150 | 81 | 2 | 10 | Tacoma, Wash.----------- | 42 | 31 | 1 | 3 |
| Lincoln, Nebr.-------- | 40 | 24 | - | 2 |  |  |  |  |  |
| Minneapolis, Minn.---- | 137 | 94 | 5 | 4 | Total | 12,805 | 7,228 | 398 | 641 |
| Omaba, Nebr. | 98 | 59 | 1 | 3 |  |  |  |  |  |
| St. Louis, Mo.-------- | 252 | 141 | 2 | 11 |  | lative | otals |  |  |
| St. Paul, Minn.------- | 53 | 36 | 2 | 3 | - including report | correc | ions for | evious we | eeks |
| Wichita, Kans..------- | 60 | 28 | 3 | 8 |  |  |  |  |  |
|  |  |  |  |  | All Causes, All Ages All Causes, Age 65 and |  |  | $\begin{aligned} & ---302,84 \\ & --\quad 177,02 \end{aligned}$ |  |
|  |  |  |  |  | Pneumonia and Influenza | All Age |  | -- 13,56 |  |
|  |  |  |  |  | All Causes, Under 1 Year | of Age- | ---- | -- 13,69 |  |

## ERRATUM，Vol．17，No．22，Page 208

Table 6 in the article＂Salmonellosis－January， February，and March 1968，＂is incorrect．The following table is a corrected table：

Table 6
Summory of 10 Most Frequently Reported Serotypes fram Humans and Nonhumans January，February，and March 1968

| Human |  |  | Non－human |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Serotype | Number | Percent | Serotype | Number | Percent |
| fyphi－murium | 987 | 27.3 | typhi－murium | 293 | 13.7 |
| heidelberg | 256 | 7.1 | heidelberg | 201 | 9.4 |
| saint－paul | 246 | 6.8 | anatum | 184 | 8.6 |
| enteritidis | 231 | 6.4 | monte rideo | 118 | 5.5 |
| infantis | 203 | 5.6 | saint－paul | 105 | 4.9 |
| nexport | 189 | 5.2 | cubana | 98 | ＋． 6 |
| typhi | 131 | 3.6 | infantis | 65 | 3.0 |
| derby | 107 | 3.0 | thompson | 31 | 2.7 |
| blockley | 93 | 2.6 | eimsbuettel | 53 | 2.6 |
| thompson | 91 | 2.5 | senftenberg | 53 | 2.5 |
| Subtotal | 2.531 | 70.2 | Subtotal | 1，229 | 57.6 |
| Total alt serotypes | 3，611 |  | Total all serotypes | 2，134 |  |

THE MORBIDITY AND MORTALITY WEEKLY REPORT，WITH A CIRCULA TION OF 17，000，IS PUBLISHED AT THE NATIONAL COMMUNICABLE OISEASE CENTER，ATLANTA，GEORGIA
DIRECTOR，NATIONAL COMMUNICABLE DISEASE CENTER
 EDITOR MICHAEL B．GREGG．MD．

IN ADOITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY ANOMORTALITY，THENATIONAL COMMUNICABLE OISEASE CENTER WELCOMESACCOUNTS OF INTERESTING OUTEREAKS OR CASE
INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH INVESTIGATIONS WHICH ARE OF CIGTHRENTATEDRESTHE CONTROL OF COMMUNICABLE DISEASES．SUCH COMMUNICATIONS SHOULD BE OF COMMUNICAE

NATIONAL COMMUNICAELE OISEASE CENTER
ATTN：ATLANTA．GEORGIA 30333
MOREIDITY AND MORTALITY WEEKLY REPORT
NOTE：THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE GASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS．THE REPORTING WEEK CONCLUDES ON THE SUCCEEDING FRIDAY

