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## OUTBREAKS OF BOTULISM AT ALBANY, OREGON, AND STERLING, COLORADO, FEBRUARY, 1924.

### Report on Outbreak at Albany, Oregon.

By FREDERICK D. STRICKER, Secretary of the Board of Health and State Health Officer of Oregon, and J. C. GEIGER, Epidemiologist, United States Public Health Service.

There recently occurred in Albany, Oreg., an outbreak of botulism, involving 12 persons and with 12 deaths. The causative food was string beans, locally grown and stated to have been home canned by the "cold pack" process, at water bath temperature.

#### EPIDEMIOLOGY.

On February 2, 1924, 12 members of 3 families ate the noon meal together. Of those present, 6 were adults and 6 were children; 7 were females and 5 were males. The ages varied from 18 months to 76 years. Two of the persons were nursing children 18 months of age. Several members of the three families lived on a ranch about 11 miles from Albany, Oreg., and the noon meal on February 2 was the only meal that they had had in common for one week.

The meal causative of the outbreak consisted of cooked fresh meat, boiled potatoes, home-canned string beans served as a salad with dressing of oil and vinegar, bread and butter, coffee, and fresh milk. The salad was made from unheated string beans from a quart glass jar with a screw top of metal. The beans were grown in the soil of the garden adjoining the house in Albany. The home-canned string beans had probably been canned two or more years previously and apparently were normal in odor, taste, and appearance. None of the string beans served in the salad were available for laboratory examination, as all had been consumed at the meal. The jar had been cleansed and misplaced. There were recovered, however, five other jars of string beans, from various places in the home at Albany, presumably of the same pack. The contents of two of these jars appeared spoiled and, on close examination, the contents of four jars had a distinctly "off" odor to an experienced observer. The string beans in three of the five jars recovered were proved to contain a toxin of *B. botulinus*, type A. It is of interest to note that of the jars of beans the contents of which were toxic, one was normal in odor and appearance.

The sanitary conditions in the home in Albany were not good. From examination of the premises it was possible to conclude that the canning methods were also not good. Home canning was obviously practiced in the household on a large scale, as nearly every variety of food stuff was represented, and the glass jars of food were found distributed about the house from the garret to the cellar. It is of further interest to note that the member of the family responsible for the canning of the string beans has been raising vegetables for a considerable period of time on the same soil and canning vegetables for nearly 30 years in Albany. During this period both raw and canned vegetables have been sold to and evidently eaten by many residents of Albany without untoward results. It was admitted, however, that about the period of the canning of the string beans served in the salad mentioned above, probably two years previous, an outbreak of "limberneck" in chickens occurred at the home in Albany, but the causative food is unknown.

As has been stated, the string beans had been grown in the soil of the garden at Albany, the elevation of which is about 200 feet above sea level. The soil of this garden has been moderately manured each year for many years. Samples of the garden soil previously heated at 80° C. for one hour, when grown in glucose agar "shakes" at 37° C. showed many typical colonies resembling the colonies of *B. botulinus*. Beef heart medium cultures of the garden soil, when as small amount of soil as 1 gram was added, on incubation at 37° C. for five days, proved toxic for laboratory animals, and the toxin formed was proved to be neutralized by botulinus antitoxin, type A.

The string-bean salad, which was served cold without any preliminary heating, was prepared from the entire contents of a 1-quart glass jar. Besides the two children, 18 months of age, there were three other children, 6, 9, and 12 years of age, respectively. It was admitted that the 18-month-old children were served a teaspoonful or two of the raw liquid from the jar of beans, and in one instance, part of a string bean. Of those from whom the knowledge could be obtained, seven stated that they ate freely of the salad, and two others said that only a small amount was consumed. One of the latter complained of an "off" taste, but others stated that the taste was excellent.

#### CLINICAL DATA.

It might be of interest to mention the various clinical features observed in this outbreak and regarded as important or unusual.

The earliest incubation period noted was 16 hours. This occurred in two children, aged 6 and 9 years, respectively. These children ate freely of the salad. The longest incubation period, 40 hours,

was noted in a child 3 years of age. An effort was made to determine the relationship, if any, to the stated amount consumed and the incubation period. Of those who stated that they had eaten freely of the bean salad, incubation periods were recorded as follows: 2 of 16 hours, 1 of 18, 2 of 20, 1 of 24, 1 of 27, and 1 of 36 hours.

The incubation noted in those who ate sparingly or just a small amount of the string beans, as in the case of the children 18 months of age, was as follows: 1 of 24 hours, 1 of 32, 1 of 35, and 1 of 40 hours.

The time of death after consumption of the causative food also varied. Of those who ate freely of the bean salad, the time of death was recorded as follows: 1 within 27 hours, 1 within 30, 1 within 36, 1 within 38, 1 within 56, 1 within 58, 1 within 82, and 1 within 103 hours. The earliest time of death after the meal was recorded in the two children, aged 6 and 9 years, respectively, and these children also had the shortest incubation period. The relation of the incubation period in these children to their time of death was 16 hours to 27 and 30 hours, respectively. There was an incubation period in one case of 20 hours, in which case death occurred 103 hours after the consumption of the meal.

Of those who ate sparingly of the beans, there was an incubation period in one case of 24 hours, with death occurring on the eighth day. The time of death after the consumption of the toxic food in three other persons was 50, 60, and 90 hours, respectively.

It is of interest to note that 10 of the cases in this outbreak had an onset with vomiting. In only one of these was diarrhea noted. This initial diarrhea, however, was followed by constipation. Five of the cases could be considered ambulatory, as they remained up and moving about almost until the time of death. In fact, one case took excellent care of several others, notwithstanding the fact that the symptoms of difficulty of vision, respiration, and swallowing, and the presence of large amounts of mucus in the throat, were constantly present. Another case drove an automobile several times in the trip from Albany to the country ranch and return.

Many of the cases were described as restless and apprehensive. Difficulty of vision with photophobia and strabismus seemed present in all cases. Ptosis was noted in four cases, but it was not absolute, the patients being able to open the lids on request. Pupils were usually dilated. Difficulty of respiration and swallowing were generally recorded. Mucus in thick, large masses was particularly noted, and many attempts were made by the patients to remove it. This was usually accompanied by a paroxysmal cough.

Rapid pulse up to 140 was noted. Temperature was subnormal. Tremors were noted in three cases, and in two others there was loss of motion, or inability to move the limbs. Three cases were uncon-

scious for a short period before death. Only one case complained of abdominal pain, and this was increased on eating. Two cases stated to have been progressing favorably became rapidly worse and died after eating heartily of food. Marked retraction of the abdomen was noted in all cases, and the abdominal muscles appeared "soft" on palpation.

Partial autopsy was made on two cases and complete autopsy on a third case by Dr. R. L. Benson, professor of pathology of the medical school of the University of Oregon. The anatomic diagnosis of the last case that died, a child 18 months of age, was as follows: Marked active hyperemia of brain and spinal cord; hypostatic congestion of the lungs, early broncho-pneumonia of the right lung; hypoplasia of adrenals; small subcapsular cyst of the liver; and thick tenacious mucus in trachea and bronchi. The microscopic findings will be reported later.

Fresh material from the brain, spleen, and intestinal content was available for laboratory examination from the autopsy of one of the cases. Beef heart medium cultures of the brain tissue and the intestinal contents were negative after five days' incubation at 37° C. Beef heart medium cultures of the spleen, however, were proved to contain a toxin which was neutralized by botulinus antitoxin, type A.

#### SUMMARY.

This outbreak of botulism is one of the largest in mortality to be recently recorded in the United States. The outbreak seems proved, since cultures of the spleen from one case, tests for toxin in three jars of home-canned string beans of probably the same pack as the causative food, and cultures of the soil in which the string beans were grown showed the presence of the toxin of *B. botulinus*, type A. The anatomical findings as recorded in one autopsy may be regarded as additional proof. Clinically, there is no doubt as to the diagnosis of botulism.

#### Report on Outbreak at Sterling, Colorado.

By J. C. GEIGER, Epidemiologist, United States Public Health Service.

#### EPIDEMIOLOGY.

During February, 1924, there occurred at Sterling, Colo., an outbreak of botulism with seven cases and five deaths.

Investigation showed that members of five Italian families, engaged in the sugar-beet industry, had cooperated in making sausage for family consumption, and had met for this purpose at the home of one of the families. On February 18 four hogs and one calf were slaughtered for sausage meat. These animals were stated to have been healthy, and the condition of the remaining animals on the ranch

bears out this statement. The animals were dressed on February 19, partly in the ranch yard and partly in a room adjoining the rather meager living quarters of the ranch house. The meat was ground up on February 20 and placed in large galvanized-iron tubs, where it was seasoned with spices, pepper, garlic, etc. On February 21 and 22 the ground-up and seasoned meat was stuffed into casings purchased locally, but manufactured by a Chicago packing house. On and subsequent to February 20 the ground-up sausage meat was served, at various meals, to several persons who had taken part in making the sausage, but the sausage in casings was served only at meals on February 21 and 22, and distributed among the above-mentioned families and the families of friends.

Taking into consideration the incubation periods of the cases, it was believed that the causative meal was eaten on February 22. The noon meal was the only one of that day that all the persons subsequently taken ill had consumed together. The menu consisted of both fried ground-up sausage meat and the same meat in casings, which had been boiled for one-half hour before being served. It was admitted, however, that some of the cased sausage was eaten raw. In addition, there were served brick cheese purchased locally, bread, and a salad consisting of a quart jar of home-canned string beans, home-canned tomatoes, and home-pickled peppers, all of which were served with garlic, spices, oil, and vinegar, and home-made grape wine.

In an analysis of the data concerning the menu of the noon meal of February 22 it was ascertained that many other persons had bought and eaten the brick cheese without ill effect. The consumption of the wine had not been restricted; it had probably been drunk daily by many people for many weeks. There were available for laboratory examination at first only the peppers, tomatoes, and cased sausage, as all the string beans were thought to have been consumed.

In analyzing the data obtained from persons participating in the above-mentioned meal it was found that there was a definite history of all having eaten the sausage in some form. Only two persons who had eaten of the noon meal were not ill. Neither of these had eaten the salad; but one, the cook, stated that she had tasted the home-canned string beans when the jar was opened. The cook insisted that this jar of beans was normal as regards odor, appearance, and taste. However, she admitted that she had removed the top layer of string beans from the jar and thrown them into a receptacle. They were recovered from the receptacle 13 days later. One of the persons ill insisted at first that he had eaten no salad, but later admitted that he was not quite sure. Locally, the general opinion steadily grew that the causative food was the sausages in the casings, with specific suspicion attached to the casings, and an effort was made to substantiate

this contention by laboratory tests. It was definitely ascertained, however, that the cased sausage had been consumed both raw and cooked before the noon meal of February 22 and at subsequent meals by probably 25 people without any illness resulting other than that of the 7 persons mentioned. Again, the cased sausages could not have been prepared for more than 24 hours before they were eaten, and they had been allowed to hang in a room on the ranch where they were probably exposed to freezing temperatures, which were then prevalent.

#### FIELD LABORATORY DATA.

Repeated animal inoculations with the cased sausages were negative for tests for toxin of *B. botulinus*. The commercial sausage casings, the home-pickled peppers, and the home-canned tomatoes were likewise negative. The home-canned string beans, remnants of which were recovered from the receptacle in which they had been thrown 13 days before, showed the presence of toxin of *B. botulinus*, type A. This was confirmed by beef heart medium cultures. It is of interest to note that the beef heart medium cultures of the sausage meat, but not of the casings, showed the presence of toxin of *B. botulinus*, type A. Therefore, though originally nontoxic, the sausages were potentially a source of danger. The ends of 15 sections of the sausages selected at random were placed in sterile flasks and moistened with a small amount of sterile water and incubated at 37° C. for 24, 48, and 72 hours. The sausages were then tested at the end of each period of incubation for the presence of any toxic substance. Botulinus toxin, type A, was demonstrated, but only in the specimens incubated for 72 hours at 37° C. The specimens incubated for 24 and 48 hours were not toxic. It is quite important to note that of those specimens incubated for 48 and 72 hours, there was visible spoilage with production of gas, but the odor of spices and garlic was so considerably enhanced that any odor of putrefaction present was masked.

Beef heart medium cultures of the soil of the ranch yard and of the garden soil in which the beans were grown showed the presence of toxin of *B. botulinus*, type A. It is not unlikely that the soil was the medium by which the spores of *B. botulinus* reached the sausage meat, as the methods of manufacture were exceedingly crude and insanitary. The home-canned string beans had been canned the previous summer by the cold-pack process at water-bath temperature. The elevation at Sterling, Colo., is about 4,000 feet, and the temperature possible in water bath is approximately 205° F. The method employed and the temperature obtained would probably account for the admitted loss of over 50 per cent of the string-bean pack. However, six jars of the same pack found on the cellar shelves

were not toxic, but beef heart medium cultures from two of these jars showed the presence of the toxin *B. botulinus*, type A. All of these jars were normal in odor and appearance. Dried bean stalks and dried bean pods were still to be found in the garden. Beef heart medium cultures of these showed the presence of the toxin of *B. botulinus*, type A.

#### CLINICAL DATA.

Seven persons were taken ill with symptoms of botulism, 5 of whom died. Five of the seven attacked were male adults, and 3 of them died. Two others that died were children, one boy and one girl, aged 5 and 7 years, respectively. The earliest onset recorded was within 18 hours, and this occurred in one of the children, with death 43 hours after the meal. The relationships of onset to time of death in the remaining cases are as follows: Onset 19 hours, death 41 hours; onset 27 hours, death 48 hours; onset 43 hours, death 98 hours; onset 63 hours, death 102 hours. The time of onset in the two cases that recovered was 41 and 46 hours, respectively.

Five persons gave a history of onset with diplopia, one with headache and profuse vomiting, and in one child, a girl who died, the only symptom noted was what was described as "throat trouble." Perhaps because of the illness of the father, no attention was directly paid to this patient.

The other symptoms recorded in these cases were ptosis, difficulty in controlling movements of the tongue, thick, tenacious mucus in throat, difficulty in swallowing and in speech, restlessness and apprehension, and death from respiratory failure. There was noted a rather severe abdominal pain in one case, with some rigidity of the abdominal muscles and granular charcoal-like stools. A specimen of such stools showed occult blood by the benzidin test.

The pulse was normal in 2 cases, but noted to be as rapid as 140 in the remainder. The temperature was noted to be subnormal in 6 cases. The respiration was as rapid as 32 in 2 cases, but normal in the remainder. Constipation was noted in 4 cases. All patients were conscious up to the time of death.

It is of interest to note that the rather obstinate constipation was relieved by hypodermic injections of pituritin. In one case artificial respiration was resorted to for about 6 hours, with rather interesting results. On several occasions the patient's breathing, which had apparently failed, was brought back to normal with artificial respiration. It was noted, however, that the patient became gradually more fatigued after each attempt, and subsequently died.

In the two cases that recovered, 30 c. c. of a polyvalent botulinus antitoxin, types A and B, testing 25 units each per cubic centimeter,

were administered intravenously on the fifth day after the meal. The cases were apparently recovering at the time. In one of these cases, on the thirteenth day after the meal, there was still to be noted extreme difficulty in swallowing, and rectal feeding had to be resorted to. Attempts to swallow fluids were accompanied by a distressing dyspnea, peculiar wheezy sounds and coughs, with the bringing into play of all of the accessory muscles of respiration. The pulse rate increased, and the patient was much fatigued after the attack. The fluid was finally regurgitated. The use of stomach-tube feeding was abandoned in this case, as the fluid food would be forcibly returned along the sides of the tube and then pass into the trachea.

#### CLINICAL LABORATORY DATA.

The stools of the two cases that recovered, obtained on the fourteenth day, were placed in beef heart medium and incubated 10 days at 37° C. In beef heart medium cultures of both stools the presence of botulinus toxin, type A, was demonstrated. The blood serum of each recovered patient, obtained on the fourteenth day after the causative food was consumed, was tested for agglutinins against 3 strains each of type A and type B of *B. botulinus*. Normal human sera were used as control. Cultures approximately 12 hours' old were used. Both sera completely agglutinated type A, *B. botulinus* cultures up to the limit of the dilutions used (1/100) but not type B strains. The normal human sera did not agglutinate in any dilution. Probably of greater interest were the tests made for toxin in the blood serum of the recovered patients and for the presence of any antitoxin. The tests for toxin in the sera were negative. However, one-fourth c. c. of each serum protected against 15,000 M. L. D.'s of toxin for white mice of *B. botulinus*, type A, but not against type B toxin. Normal human sera used as a control did not protect against both type A and type B, *B. botulinus* toxin.

#### DISCUSSION.

No autopsies were performed. Clinically, the cases were botulism. Epidemiologically and toxicologically the causative food was home-canned string beans, canned by the cold-pack process, at water-bath temperatures for three hours, used at an elevation of 4,000 feet. The findings in the cultures from the sausages indicate that great care should be used in interpreting such results. In the examination of food suspected of causing botulinus poisoning, it is of the utmost importance to know whether the food was originally toxic. Examination for the presence of viable spores of *B. botulinus* should be made; but a positive finding does not permit of any definite interpretation unless one knows the original toxicity of the food. Positive findings in cultures of the garden soil are the rule in western States. The



cultures from stools of both recovered cases yielded type A, *B. botulinus*. This adds emphasis to the importance of using this test in proving cases, as originally pointed out by Meyer and Geiger. The results of the agglutination tests are different from those obtained by Armstrong, Story, and Scott.<sup>1</sup> The tests of those investigators, however, were made on sera obtained 45 days after the causative meal.

The results of the tests of the blood sera of the recovered cases for their protective antitoxic value against botulinus toxin are most interesting, especially as to the type specificity, if confirmed in other outbreaks, and offer several theoretical possibilities for further work.

### GOITER SURVEY IN WEXFORD COUNTY, MICHIGAN.

For the past three and one-half years the Department of Health of Michigan has been studying the goiter situation in that State. While it has been general knowledge for many years that Michigan, in common with other Lake States, was in an area in which endemic goiter prevails, the exact facts and the extent of this prevalence have not been known.

A tentative survey of one of the Upper Peninsula cities, made about two years ago, showed that 54 per cent of slightly more than 2,000 children examined were goitrous; that is, showed enlarged thyroids. The reports of the State Traveling Clinic have also shown the condition to be very prevalent among both children and adults who were examined in the clinic. These facts, together with the work done at Grand Rapids, have led the State Health Department to make a systematic survey.

For some months the bureau of laboratories conducted exclusive studies of the drinking waters of the State, with special reference to the iodine content. As a result, four counties were selected for the survey—one in the Upper Peninsula, one in the upper part of the Lower Peninsula, and two in the central part of the State. These counties were selected because two of them were known to have little or no iodine in their water supply, and in two the iodine content is the highest of any section in the State, though much less than that in the waters of nongoitrous areas of the United States.

In a recent preliminary report<sup>2</sup> the following results of a survey made in Wexford County, during December, 1923, are presented:

Total number of children examined.....	3, 984
Total number showing thyroid enlargement....	2, 216—55. 6 per cent.
Total number of boys examined.....	1, 963
Total thyroid enlargements among boys.....	934—47. 6 per cent.
Total number of girls examined.....	2, 021
Total thyroid enlargements among girls.....	1, 282—63. 4 per cent.

<sup>1</sup> Pub. Health Rep., 34, 51, Dec. 19, 1919, p. 2893. (Reprint No. 577.)

<sup>2</sup> Supplement to Public Health, January, 1924, published by the Michigan State Department of Health.

Of the total number of boys and girls examined, 2,247 were in the city of Cadillac, where thyroid enlargement was found to be present in 50.4 per cent. Of the boys examined in Cadillac, 41.8 per cent were found to have thyroid enlargement; and of the girls, 58.0 per cent. In the rural and village schools of Wexford County outside of Cadillac, 62.2 per cent of the children were found with thyroid enlargement—54.2 per cent of the boys and 71.0 per cent of the girls.

It is noted that the water supply of the city of Cadillac shows a very slight trace of iodine, whereas no iodine is found in the water in the rural districts of the county.

Attention is also called to the fact that the average city dweller probably has more opportunities to secure iodine in his food supply than has the rural dweller, the food supply of the former being shipped in, to a more or less extent, and is, therefore, somewhat more varied than that of the rural dweller. Sea foods, ordinarily only infrequently supplied to rural districts, are more common in the markets of the city. Another possible factor mentioned is that medical treatment is more generally available in the city than in the country.

The report will be combined with the findings in other counties and published later.

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## MORTALITY AND BIRTH RATES FOR FIRST NINE MONTHS OF 1923.

ANNOUNCEMENT OF PROVISIONAL FIGURES MADE BY THE DEPARTMENT OF COMMERCE.

### Provisional Mortality Rates.

The Department of Commerce announces that provisional figures for the first nine months of 1923 show slightly higher death rates than for the corresponding period of 1922. For the States compared, the death rate for the nine months was 12.6 in 1923 against 11.8 for the first nine months of 1922.

Owing to differences in the race, sex, and age distribution of the populations, the crude death rates of the States may not be comparable. Better comparisons can be made if adjusted rates based on a standard population are used. If the ratios of the crude rates to the adjusted rate for 1922 be applied to the 1923 rates for the nine months, the highest rate for this period appears for Maryland with an adjusted rate of 14.9, and the lowest for Montana, with a rate of 8.8. Attention, however, is called to the fact that even these adjusted rates have not been adjusted for racial differences and for deaths of nonresidents.

Death rates (all causes, exclusive of stillbirths) per 1,000 population, for certain States.

[The 1923 figures are provisional.]

State.	Crude annual death rate per 1,000 population for—										Adjusted death rate for—		
	1923					1922					Year 1922.	First nine months, 1923.	
	First nine months.	Third quarter.	July.	August.	September.	First nine months.	Third quarter.	July.	August.	September			The year.
Total—States shown for both years <sup>1</sup> ..	12.6	10.4	10.5	10.4	10.4	11.8	10.1	10.2	10.0	10.2	11.8	11.8	12.3
California.....	14.2	12.7	12.8	12.4	13.2	14.3	12.2	12.3	12.1	12.2	14.1	12.8	12.9
Colorado.....	12.8	11.4	11.0	11.5	12.0	13.7	11.7	10.9	11.4	12.9	13.5	13.5	12.8
Connecticut.....	12.4	9.8	9.6	9.8	10.1	12.1	10.1	9.9	10.3	10.2	12.0	11.4	11.8
Delaware.....	14.6	12.2	11.7	12.4	12.6	13.2	11.5	11.9	11.6	11.1	13.2	12.4	13.7
Florida.....	12.8	11.8	11.0	12.2	12.2	11.9	11.7	11.4	11.7	12.2	12.2	12.6	13.2
Georgia.....	11.3	10.4	10.9	10.2	10.1	10.1	9.9	10.0	9.8	10.1	10.4	(?)	(?)
Idaho.....	7.1	6.1	6.2	5.8	6.2	7.9	7.0	7.2	6.2	7.8	8.1	(?)	(?)
Illinois.....	12.4	10.1	9.9	9.9	10.5	11.4	9.6	9.5	9.5	9.9	11.3	11.2	12.3
Indiana.....	13.3	11.2	11.2	11.1	11.3	12.0	10.2	10.3	10.0	10.5	11.9	10.8	12.0
Iowa.....	10.6	8.3	8.6	7.9	8.5	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
Kansas.....	11.4	9.5	9.4	10.1	9.1	10.8	9.4	9.6	9.7	9.1	10.6	9.7	10.4
Kentucky.....	12.3	10.4	11.4	10.3	9.4	10.7	9.3	10.3	8.9	8.7	10.8	10.7	12.2
Louisiana.....	11.9	11.0	12.0	10.5	10.6	11.1	10.3	10.6	10.2	10.1	11.3	12.6	13.3
Maine.....	15.5	12.1	11.9	12.2	12.4	14.7	12.3	12.4	11.6	13.0	14.7	11.9	12.4
Maryland.....	15.2	12.5	12.2	12.8	12.6	13.7	12.5	12.9	12.1	12.5	13.6	13.4	14.9
Massachusetts.....	13.4	10.1	10.2	10.0	10.3	12.8	10.5	10.2	10.7	10.6	12.8	12.0	12.5
Michigan.....	(?)	(?)	(?)	(?)	(?)	11.2	9.5	9.6	9.4	9.7	11.3	10.7	(?)
Minnesota.....	10.4	8.6	9.0	8.4	8.5	9.6	8.2	8.1	8.2	8.3	9.5	9.3	10.2
Mississippi.....	11.6	10.6	11.2	10.4	10.4	10.9	10.5	11.0	10.7	9.7	10.8	11.8	12.6
Missouri.....	12.6	10.4	10.5	10.4	10.4	11.4	9.5	9.5	9.3	9.8	11.2	10.7	12.0
Montana.....	8.2	7.0	7.0	6.9	7.1	8.7	7.6	7.2	7.1	8.5	8.6	9.2	8.8
Nebraska.....	9.6	7.7	7.5	7.5	8.3	9.4	7.7	7.4	7.7	8.2	9.4	9.1	9.4
New Hampshire.....	15.2	11.9	11.3	10.7	11.8	14.7	12.6	12.7	12.9	12.4	14.6	11.7	12.2
New Jersey.....	12.7	10.0	10.1	10.3	9.7	12.2	10.2	10.2	10.5	10.0	12.2	12.3	12.9
New York.....	13.4	10.7	10.5	10.8	10.8	13.2	10.6	10.7	10.6	10.4	13.0	12.7	13.2
North Carolina.....	11.9	9.7	11.1	9.4	8.7	11.6	10.3	11.2	10.1	9.8	11.6	12.3	12.6
Ohio.....	12.7	10.4	10.2	10.4	10.7	11.4	9.6	9.7	9.4	9.9	11.3	10.5	11.8
Oregon.....	10.7	9.5	9.8	9.6	9.2	11.6	9.7	10.3	9.7	9.3	11.5	10.7	10.0
Pennsylvania.....	13.7	10.7	10.3	10.8	11.2	12.2	10.2	10.0	10.3	10.5	12.3	12.1	13.5
Rhode Island.....	(?)	(?)	(?)	(?)	(?)	13.1	10.8	10.8	10.8	10.7	13.1	12.6	(?)
South Carolina.....	12.1	11.0	12.3	10.5	10.3	11.8	11.5	11.9	10.8	11.7	12.0	13.3	13.4
Tennessee.....	12.4	10.9	12.2	10.6	9.9	10.9	9.8	10.7	9.8	9.0	10.8	11.2	12.6
Utah.....	(?)	(?)	(?)	(?)	(?)	10.4	8.3	9.0	7.5	8.6	10.4	10.9	(?)
Vermont.....	15.8	12.6	12.7	13.1	12.1	14.8	12.6	13.5	11.8	12.6	14.7	11.5	12.4
Virginia.....	13.4	11.0	11.6	11.1	10.4	12.1	10.8	11.8	10.6	10.1	12.1	12.5	13.9
Washington.....	9.6	8.7	9.0	8.3	8.9	10.3	9.5	8.3	8.6	8.8	10.1	10.0	9.5
Wisconsin.....	11.0	8.6	8.5	8.5	8.9	10.2	8.4	8.9	8.0	8.5	10.1	9.5	10.3
Wyoming.....	10.6	11.7	9.7	15.3	10.1	9.4	9.0	8.1	9.0	9.9	9.3	(?)	(?)

NOTE.—The adjusted rate makes allowance for the differences in the age and sex composition of the populations in different States, and shows what the death rate would be if all States had the same proportion of males and females and the same proportion of the total population in each age group.

<sup>1</sup> Includes District of Columbia.

<sup>2</sup> Not available.

<sup>3</sup> Added to registration area in 1923.

<sup>4</sup> Figures not shown if transcripts of deaths are not received for the quarter.

### Provisional Birth Rates.

Provisional birth figures compiled by the Bureau of the Census for the first nine months of 1923 indicate slightly lower birth rates than for the corresponding nine months of 1922. For the States compared, the birth rate per 1,000 population for the first nine months was 22.8 in 1923, against 23.1 in 1922. The highest birth rate (30.2) for the nine months is shown for North Carolina, and the lowest (17.5) for Montana.

*Birth rates (exclusive of stillbirths) per 1,000 population, for certain States.*

[The 1923 figures are provisional.]

Area.	Annual birth rate per 1,000 population for—										
	1923					1922					
	First nine months.	Third quarter.	July.	August.	September.	First nine months.	Third quarter.	July.	August.	September.	The year.
Total—States shown for both years <sup>1</sup> .....	22.8	23.0	23.0	23.3	22.9	23.1	23.5	23.3	23.6	23.7	22.6
California.....	20.8	21.6	21.5	21.7	21.7	20.0	20.2	20.2	20.1	20.4	19.8
Connecticut.....	21.3	21.8	21.8	22.2	21.5	22.1	22.5	22.1	22.9	22.5	21.5
Delaware.....	20.0	21.9	21.9	21.4	22.6	21.4	22.1	23.3	21.0	22.2	20.6
Illinois.....	19.9	20.5	20.1	21.1	20.3	20.4	21.2	21.2	21.3	21.1	20.0
Indiana.....	22.2	22.7	22.4	22.9	22.9	21.7	22.6	22.4	23.1	22.6	21.4
Kansas.....	21.9	22.8	22.2	23.3	23.0	21.9	22.6	22.3	23.3	22.4	21.6
Kentucky.....	26.2	23.9	24.4	24.4	23.2	26.2	25.8	25.1	26.0	26.6	25.4
Maine.....	23.3	23.1	22.6	23.5	23.4	23.2	22.5	23.6	22.2	21.7	22.6
Maryland.....	23.6	23.9	25.0	23.7	23.1	23.7	24.5	23.6	25.0	25.1	23.2
Massachusetts.....	(?)	(?)	(?)	(?)	(?)	22.4	22.8	22.5	23.4	22.8	21.5
Michigan.....	23.7	23.6	23.7	24.4	22.9	23.6	24.5	24.9	24.6	24.0	23.2
Minnesota.....	23.1	22.9	23.7	22.8	22.5	23.7	23.9	24.4	24.0	23.4	23.1
Mississippi.....	24.2	25.0	24.8	25.3	25.0	24.3	25.8	23.4	26.3	28.1	24.3
Montana.....	17.5	17.1	16.9	17.4	17.1	18.9	18.1	18.9	17.6	18.0	18.1
Nebraska.....	22.4	22.7	21.8	23.3	23.1	23.9	24.3	24.5	24.1	24.4	23.3
New Hampshire.....	21.2	21.6	22.3	21.5	21.2	22.4	22.8	22.4	22.9	23.2	21.5
New Jersey.....	22.5	23.1	23.1	23.3	22.9	22.9	23.6	23.8	24.0	23.1	22.9
New York.....	(?)	(?)	(?)	(?)	(?)	22.1	22.3	22.5	22.6	21.9	21.5
North Carolina.....	30.2	28.3	28.9	28.7	27.6	31.5	32.3	30.5	32.1	34.3	30.6
Ohio.....	21.3	21.9	21.6	22.1	22.0	20.7	21.2	21.1	21.6	21.1	20.9
Oregon.....	18.1	18.0	18.0	18.2	17.9	19.0	18.5	18.7	18.1	18.9	18.4
Pennsylvania.....	24.2	24.9	24.7	25.1	24.9	24.4	24.4	24.5	24.6	24.3	23.4
Rhode Island.....	(?)	(?)	(?)	(?)	(?)	23.5	23.5	22.9	24.5	23.3	23.8
South Carolina.....	25.1	25.3	25.0	25.1	26.0	27.1	28.3	27.2	27.9	30.0	26.1
Utah.....	(?)	(?)	(?)	(?)	(?)	30.3	29.0	28.5	29.5	29.1	29.9
Vermont.....	21.5	22.7	22.7	23.0	22.5	22.0	21.7	22.0	21.8	21.5	21.6
Virginia.....	27.5	26.9	26.8	26.8	27.2	28.0	28.1	27.0	27.9	29.6	27.3
Washington.....	18.0	17.8	18.3	17.6	17.5	18.4	17.7	17.9	18.0	17.4	18.3
Wisconsin.....	21.9	21.7	21.8	22.6	20.9	22.0	22.3	22.4	22.8	21.8	21.0
Wyoming.....	23.8	23.9	22.8	24.3	24.8	25.9	26.1	25.4	26.1	27.0	25.4

<sup>1</sup> Includes District of Columbia.

<sup>2</sup> Figures not shown if transcripts of births are not received for the quarter.

**DIPHTHERIA DEATH RATE IN NEW YORK CITY, 1923.—CORRECTION.**

In the Public Health Reports, volume 39, No. 11, March 14, 1924, page 528, the death rate from diphtheria and croup for New York City for 1923 was stated as 9 per 1,000 population. This should have been 9 per 100,000 population.

**DEATHS DURING WEEK ENDED MARCH 22, 1924.**

*Summary of information received by telegraph from industrial insurance companies for week ended March 22, 1924, and corresponding week of 1923. (From the Weekly Health Index, March 25, 1924, issued by the Bureau of the Census, Department of Commerce.)*

Policies in force.....	Week ended March 22, 1924.	Corresponding week, 1923.
Number of death claims.....	56,959,532	52,557,567
Death claims per 1,000 policies in force, annual rate.....	11,839	13,027
	10.8	12.9

Deaths from all causes in certain large cities of the United States during the week ended March 22, 1924, infant mortality, annual death rate, and comparison with corresponding week of 1923. (From the Weekly Health Index, March 25, 1924, issued by the Bureau of the Census, Department of Commerce.)

City.	Week ended Mar. 22, 1924.		Annual death rate per 1,000, corresponding week, 1923.	Deaths under 1 year.		Infant mortality rate, week ended Mar. 22, 1924. <sup>1</sup>
	Total deaths.	Death rate. <sup>1</sup>		Week ended Mar. 22, 1924.	Corresponding week, 1923.	
Total (65 cities).....	7, 535	14. 5	<sup>3</sup> 15. 2	963	<sup>3</sup> 1, 018	-----
Akron.....	33			2	6	21
Albany <sup>4</sup> .....	34	15. 0	15. 1	1	2	22
Atlanta.....	106	24. 3	17. 3	9	6	-----
Baltimore <sup>4</sup> .....	232	15. 4	14. 9	26	21	76
Birmingham.....	79	20. 5	15. 7	13	10	-----
Boston.....	227	15. 2	17. 7	29	37	80
Bridgeport.....	26			2	9	31
Buffalo.....	136	13. 0	13. 6	21	26	89
Cambridge.....	30	14. 0	20. 1	6	3	104
Camden.....	30	12. 4	24. 4	2	10	32
Canton.....	24	12. 2	13. 7	2	2	42
Chicago <sup>4</sup> .....	724	12. 8	13. 7	81	114	75
Cincinnati.....	128	16. 4	16. 6	12	13	76
Cleveland.....	205	11. 7	10. 9	26	27	68
Columbus.....	82	16. 0	14. 8	12	9	114
Dallas.....	55	15. 3	13. 4	8	8	-----
Denver.....	71			9	11	-----
Des Moines.....	34	12. 2	17. 0	8	6	-----
Detroit.....	272			47	44	88
Duluth.....	19	9. 1	8. 3	0	0	0
Erie.....	16			5	4	103
Fall River <sup>4</sup> .....	46	19. 8	24. 1	11	10	155
Flint.....	21			4	3	69
Fort Worth.....	25	8. 8	16. 0	1	6	-----
Grand Rapids.....	31	10. 9	15. 0	6	7	93
Houston.....	55			3	3	-----
Indianapolis.....	137	20. 4	17. 3	18	16	136
Jacksonville, Fla. ....	40	20. 4	20. 3	3	3	-----
Jersey City.....	96	16. 0	16. 4	17	9	123
Kansas City, Kans.....	38	16. 8	15. 8	4	4	80
Kansas City, Mo.....	123	17. 8	15. 1	17	11	-----
Los Angeles.....	266			25	14	78
Louisville.....	90	18. 2	14. 8	11	12	106
Lowell.....	38	17. 1	25. 4	8	6	143
Lynn.....	23	11. 6	20. 3	3	8	76
Memphis.....	54	16. 3	20. 8	6	8	-----
Milwaukee.....	94	10. 0	14. 3	14	26	64
Minneapolis.....	101	12. 6	12. 1	13	13	70
Nashville <sup>4</sup> .....	58	24. 5	29. 8	6	4	-----
New Bedford.....	33	13. 0	16. 8	8	7	125
New Haven.....	49	14. 5	16. 9	6	8	78
New Orleans.....	151	19. 2	19. 7	6	13	-----
New York.....	1, 575	13. 7	13. 8	222	191	90
Bronx Borough.....	195	11. 7	10. 7	19	17	67
Brooklyn Borough.....	543	12. 9	12. 4	76	64	82
Manhattan Borough.....	683	15. 7	16. 1	105	89	102
Queens Borough.....	113	10. 6	13. 0	17	19	93
Richmond Borough.....	41	16. 4	20. 0	5	2	91
Newark, N. J.....	110	12. 9	14. 4	14	17	66
Norfolk.....	24	7. 6	12. 8	2	4	36
Oakland.....	51	10. 8	9. 3	7	7	88
Oklahoma City.....	24	12. 0		1	-----	-----
Omaha.....	55	13. 8	17. 3	9	10	96
Paterson.....	38	14. 1	20. 2	6	5	98
Philadelphia.....	565	15. 1	16. 5	74	89	94
Pittsburgh.....	281	23. 4	19. 7	42	36	142
Portland, Oreg.....	66	12. 4	13. 5	8	5	83
Providence.....	82	17. 5	19. 4	10	14	81
Richmond.....	53	15. 0	18. 7	5	8	59
Rochester.....	88	14. 1	14. 1	16	12	125
St. Louis.....	255	16. 4	15. 3	15	27	-----
St. Paul.....	64	13. 7	13. 1	11	7	95
Salt Lake City <sup>4</sup> .....	46	18. 7	21. 5	3	9	50

<sup>1</sup> Annual rate per 1,000 population.

<sup>2</sup> Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births of 1923. Cities left blank are not in the registration area for births.

<sup>3</sup> Data for 64 cities.

<sup>4</sup> Deaths for week ended Friday, March 21, 1924.

Deaths from all causes in certain large cities of the United States during the week ended March 22, 1924, infant mortality, annual death rate, and comparison with corresponding week of 1923. (From the Weekly Health Index, March 25, 1924, issued by the Bureau of the Census, Department of Commerce)—Continued.

City.	Week ended Mar. 22, 1924.		Annual death rate per 1,000, corresponding week, 1923.	Deaths under 1 year.		Infant mortality rate, week ended Mar. 22, 1924.
	Total deaths.	Death rate.		Week ended Mar. 22, 1924.	Corresponding week, 1923.	
San Antonio.....	72	19.6	21.2	15	14	-----
San Francisco.....	152	14.5	14.6	8	6	48
Schenectady.....	22	11.4	17.4	3	2	85
Seattle.....	62	-----	-----	7	5	68
Somerville.....	22	11.4	17.9	2	6	54
Spokane.....	24	-----	-----	0	3	0
Springfield, Mass.....	28	9.8	7.2	5	4	84
Syracuse.....	29	8.0	15.3	3	9	37
Tacoma.....	26	13.2	14.9	5	5	115
Toledo.....	68	12.8	14.1	10	8	95
Trenton.....	40	16.1	16.0	10	7	164
Utica.....	23	11.4	15.1	1	3	22
Washington, D. C.....	160	17.1	19.7	21	17	121
Waterbury.....	16	-----	-----	1	6	22
Wilmington, Del.....	28	12.2	14.2	2	5	43
Worcester.....	49	13.1	12.5	6	11	72
Yonkers.....	20	9.5	13.6	4	4	87
Youngstown.....	47	15.8	13.5	9	11	130



CONNECTICUT.

	Cases.
Cerebrospinal meningitis.....	3
Chicken pox.....	61
Conjunctivitis (infectious).....	2
Diphtheria.....	46
German measles.....	7
Influenza.....	8
Measles.....	124
Mumps.....	207
Pneumonia (lobar).....	47
Scarlet fever.....	214
Smallpox.....	5
Tuberculosis (all forms).....	33
Typhoid fever.....	6
Whooping cough.....	47

DELAWARE.

Chicken pox.....	12
Diphtheria.....	3
Influenza.....	1
Measles.....	27
Mumps.....	7
Pneumonia.....	10
Scarlet fever.....	19
Tuberculosis.....	6

DISTRICT OF COLUMBIA.

Chicken pox.....	70
Diphtheria.....	3
Influenza.....	6
Measles.....	14
Scarlet fever.....	35
Smallpox.....	3
Tuberculosis.....	25
Typhoid fever.....	4
Whooping cough.....	15

FLORIDA.

Cerebrospinal meningitis.....	2
Diphtheria.....	14
Influenza.....	19
Malaria.....	17
Pneumonia.....	145
Scarlet fever.....	2
Smallpox.....	3
Trachoma.....	1
Typhoid fever.....	15

GEORGIA.

Chicken pox.....	20
Conjunctivitis (infectious).....	1
Diphtheria.....	21
German measles.....	15
Hookworm disease.....	19
Influenza.....	51
Malaria.....	10
Measles.....	206
Mumps.....	31
Paratyphoid fever.....	2
Pellagra.....	1
Pneumonia.....	55
Scarlet fever.....	11
Smallpox.....	102
Tetanus.....	1
Tuberculosis (pulmonary).....	14
Typhoid fever.....	1
Whooping cough.....	128

ILLINOIS.

	Cases.
Cerebrospinal meningitis:	
Cook County.....	1
Williamson County.....	1
Diphtheria:	
Cook County.....	77
Lake County.....	14
Scattering.....	51
Influenza.....	46
Lethargic encephalitis—Cook County.....	1
Measles.....	699
Pneumonia.....	460
Poliomyelitis—Logan County.....	1
Scarlet fever:	
Cook County.....	150
De Kalb County.....	17
Kane County.....	19
La Salle County.....	9
Mason County.....	10
Stephenson County.....	9
Vermilion County.....	12
Will County.....	8
Scattering.....	66
Smallpox:	
Chicago.....	15
Scattering.....	6
Tuberculosis.....	258
Typhoid fever.....	12
Whooping cough.....	180

INDIANA.

Chicken pox.....	49
Diphtheria.....	34
Influenza.....	50
Measles.....	631
Pneumonia.....	29
Scarlet fever:	
Lake County.....	14
Scattering.....	82
Smallpox:	
Cass County.....	17
Marion County.....	74
Tuberculosis.....	9
Typhoid fever.....	3
Whooping cough.....	76

IOWA.

Diphtheria.....	18
Scarlet fever.....	69
Smallpox.....	17

KANSAS.

Cerebrospinal meningitis.....	1
Chicken pox.....	118
Diphtheria.....	31
German measles.....	20
Influenza.....	12
Measles.....	1,302
Mumps.....	324
Pneumonia.....	49
Scarlet fever.....	60
Smallpox.....	40
Tuberculosis.....	43
Typhoid fever.....	3
Whooping cough.....	112



LOUISIANA.		MICHIGAN.	
	Cases.		Cases.
Diphtheria.....	20	Diphtheria.....	115
Hook worm disease.....	78	Measles.....	699
Influenza.....	43	Pneumonia.....	112
Leprosy.....	2	Scarlet fever.....	340
Malaria.....	8	Smallpox.....	124
Measles.....	379	Tuberculosis.....	54
Pneumonia.....	71	Typhoid fever.....	20
Scarlet fever.....	12	Whooping cough.....	83
Smallpox.....	15		
Tuberculosis.....	36	MINNESOTA.	
Typhoid fever.....	14	Chicken pox.....	135
Whooping cough.....	11	Diphtheria.....	48
		Measles.....	209
MAINE.		Pneumonia.....	9
Chicken pox.....	43	Scarlet fever.....	266
Diphtheria.....	12	Smallpox.....	87
German measles.....	30	Tuberculosis.....	64
Influenza.....	16	Typhoid fever.....	4
Measles.....	183	Whooping cough.....	11
Mumps.....	54		
Pneumonia.....	20	MISSISSIPPI.	
Scarlet fever.....	41	Diphtheria.....	7
Septic sore throat.....	1	Scarlet fever.....	5
Smallpox.....	2	Smallpox.....	14
Tuberculosis.....	15	Typhoid fever.....	8
Typhoid fever.....	1		
Vincent's angina.....	1	MISSOURI.	
Whooping cough.....	54	(Exclusive of Cape Girardeau, Kansas City, and St. Louis.)	
		Cerebrospinal meningitis.....	1
MARYLAND. <sup>1</sup>		Chicken pox.....	10
Chicken pox.....	119	Diphtheria.....	19
Diphtheria.....	44	Influenza.....	3
German measles.....	97	Measles.....	223
Influenza.....	75	Mumps.....	24
Lethargic encephalitis.....	3	Pneumonia.....	3
Measles.....	268	Scarlet fever.....	50
Mumps.....	48	Smallpox.....	24
Ophthalmia neonatorum.....	1	Trachoma.....	1
Paratyphoid fever.....	1	Tuberculosis.....	1
Pneumonia (all forms).....	153	Typhoid fever.....	6
Scarlet fever.....	158	Whooping cough.....	12
Septic sore throat.....	3		
Smallpox.....	14	MONTANA.	
Tuberculosis.....	62	Diphtheria.....	12
Typhoid fever.....	14	Scarlet fever.....	21
Vincent's angina.....	1	Smallpox.....	19
Whooping cough.....	60		
		NEBRASKA.	
MASSACHUSETTS.		Chicken pox.....	12
Cerebrospinal meningitis.....	1	Diphtheria.....	12
Chicken pox.....	261	Influenza.....	1
Conjunctivitis (suppurative).....	28	Measles.....	299
Diphtheria.....	178	Mumps.....	5
German measles.....	53	Pneumonia.....	4
Influenza.....	17	Scarlet fever.....	32
Lethargic encephalitis.....	3	Smallpox.....	11
Measles.....	903		
Mumps.....	391	NEW JERSEY.	
Ophthalmia neonatorum.....	21	Cerebrospinal meningitis.....	3
Pneumonia (lobar).....	115	Chicken pox.....	269
Poliomyelitis.....	2	Diphtheria.....	93
Scarlet fever.....	527	Influenza.....	29
Septic sore throat.....	7	Measles.....	619
Tetanus.....	2	Paratyphoid fever.....	7
Trachoma.....	2	Pneumonia.....	190
Tuberculosis (all forms).....	148		
Typhoid fever.....	6		
Whooping cough.....	81		

<sup>1</sup> Week ended Friday.

NEW JERSEY—continued.

	Cases.
Poliomyelitis.....	1
Scarlet fever.....	172
Smallpox.....	18
Typhoid fever.....	8
Whooping cough.....	123

NEW MEXICO.

Cerebrospinal meningitis.....	1
Chicken pox.....	90
Conjunctivitis.....	2
Diphtheria.....	12
Hookworm disease.....	1
Influenza.....	12
Lethargic encephalitis.....	3
Measles.....	276
Mumps.....	22
Pneumonia.....	7
Scarlet fever.....	7
Smallpox.....	3
Tuberculosis.....	19
Typhoid fever.....	3
Whooping cough.....	5

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis.....	6
Diphtheria.....	112
Influenza.....	61
Lethargic encephalitis.....	2
Measles.....	1,547
Pneumonia.....	384
Poliomyelitis.....	1
Scarlet fever.....	420
Smallpox.....	2
Typhoid fever.....	11
Whooping cough.....	286

NORTH CAROLINA.

Chicken pox.....	235
Diphtheria.....	20
German measles.....	2
Measles.....	2,069
Scarlet fever.....	48
Smallpox.....	163
Typhoid fever.....	2
Whooping cough.....	481

OREGON.

Chicken pox.....	25
Diphtheria:	
Portland.....	10
Scattering.....	13
Lethargic encephalitis.....	1
Measles.....	200
Mumps.....	8
Scarlet fever.....	10
Smallpox:	
Portland.....	12
Scattering.....	3
Trachoma.....	4
Tuberculosis.....	8
Typhoid fever.....	2
Whooping cough.....	4

SOUTH DAKOTA.

	Cases.
Chicken pox.....	16
Diphtheria.....	1
Measles.....	114
Mumps.....	1
Pneumonia.....	5
Scarlet fever.....	28
Typhoid fever.....	1
Whooping cough.....	4

TEXAS.

Chicken pox.....	9
Diphtheria.....	12
Influenza.....	11
Leprosy.....	1
Measles.....	302
Mumps.....	18
Pellagra.....	2
Pneumonia.....	13
Scarlet fever.....	10
Smallpox.....	27
Tuberculosis.....	7
Typhoid fever.....	2
Whooping cough.....	3

VERMONT.

Chicken pox.....	18
Measles.....	91
Mumps.....	5
Scarlet fever.....	12
Whooping cough.....	31

WASHINGTON.

Chicken pox.....	57
Diphtheria.....	31
Measles.....	364
Mumps.....	20
Scarlet fever:	
Seattle.....	12
Spokane.....	23
Scattering.....	30
Smallpox:	
Spokane.....	30
Scattering.....	14
Tuberculosis.....	24
Typhoid fever.....	1
Whooping cough.....	18

WEST VIRGINIA.

Diphtheria.....	6
Scarlet fever.....	4
Smallpox.....	6

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis.....	2
Chicken pox.....	76
Diphtheria.....	16
Influenza.....	1
Measles.....	11
Pneumonia.....	3
Scarlet fever.....	16
Tuberculosis.....	7
Whooping cough.....	45

## WISCONSIN—continued.

Scattering:	Cases.
Chicken pox.....	148
Diphtheria.....	42
German measles.....	8
Influenza.....	28
Measles.....	430
Pneumonia.....	21
Scarlet fever.....	238
Smallpox.....	40
Trachoma.....	1
Tuberculosis.....	11
Typhoid fever.....	6
Whooping cough.....	106

## WYOMING.

	Cases.
Chicken pox.....	10
Diphtheria.....	2
Influenza.....	3
Measles.....	139
Mumps.....	1
Pneumonia.....	3
Scarlet fever.....	5
Tuberculosis.....	2
Whooping cough.....	5

## Reports for Week Ended March 22, 1924.

## ALABAMA.

	Cases.
Chicken pox.....	99
Diphtheria.....	5
Influenza.....	113
Malaria.....	20
Measles.....	752
Mumps.....	83
Paratyphoid fever.....	2
Pellagra.....	6
Pneumonia.....	217
Scarlet fever.....	13
Smallpox.....	34
Tuberculosis.....	32
Typhoid fever.....	17
Whooping cough.....	87

## NEBRASKA.

	Cases.
Chicken pox.....	15
Diphtheria.....	11
Influenza.....	2
Measles.....	361
Pneumonia.....	7
Scarlet fever.....	22
Septic sore throat.....	1
Smallpox.....	;
Whooping cough.....	1

## NORTH DAKOTA.

	Cases.
Chicken pox.....	7
Diphtheria.....	22
German measles.....	5
Influenza.....	8
Measles.....	249
Mumps.....	30
Pneumonia.....	33
Scarlet fever.....	34
Smallpox.....	5
Tuberculosis.....	3
Typhoid fever.....	1
Whooping cough.....	10

## DISTRICT OF COLUMBIA.

	Cases.
Chicken pox.....	77
Diphtheria.....	8
Influenza.....	3
Lethargic encephalitis.....	1
Measles.....	18
Scarlet fever.....	41
Smallpox.....	10
Tuberculosis.....	27
Typhoid fever.....	1
Whooping cough.....	7

## SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebro-spinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles	Pellagra.	Polio-myelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>February, 1924</i>										
Illinois.....	2	796	166	1	2,296	-----	7	1,317	45	72
Iowa.....	-----	89	-----	-----	1,312	-----	-----	275	42	3
Kansas.....	3	157	27	0	4,995	2	2	335	194	12
Maine.....	0	39	27	-----	-----	0	1	116	0	11
Michigan.....	-----	632	17	-----	2,344	-----	3	1,510	549	26
Mississippi.....	0	86	3,368	2,844	7,613	179	1	25	102	128
Montana.....	3	52	9	-----	1,982	-----	-----	131	108	7
Oregon.....	-----	115	5	-----	1,288	-----	-----	111	103	7
South Dakota.....	-----	35	9	-----	1,582	-----	-----	275	6	7
Washington.....	2	136	0	0	1,601	0	0	239	215	25
Wisconsin.....	3	260	110	0	1,817	0	3	1,357	96	23

**MORBIDITY REPORTS FROM CITIES.**

*Diphtheria.*—For the week ended March 15, 1924, 100 cities situated in all parts of the United States and having a population of approximately 28,500,000, reported 1,046 cases of diphtheria. The same cities reported 1,048 cases for the week ended March 17, 1923, and the estimated expectancy for the week was 1,070 cases. The estimated expectancy is based on reports for the last nine years, excluding epidemics.

*Measles.*—During the week ended March 15, 1924, 100 cities reported 7,124 cases of measles. For the corresponding week last year the same cities reported 6,127 cases.

*Scarlet fever.*—Since the first of the year, the reports have indicated that scarlet fever was more prevalent in the United States than it was last year, and the figures are higher than the estimated expectancy. For the week ended March 15, 1924, 1,910 cases were reported by 100 cities. Last year these cities reported 1,682 cases for the week. The estimated expectancy was 1,076 cases.

*Smallpox.*—This disease has been unusually prevalent in a number of localities in the United States during the first two and a half months of this year. One hundred cities reported 516 cases for the week ended March 15, 1924. For the corresponding week of 1923, the same cities reported 131 cases. The estimated expectancy was 137 cases. Atlanta, Ga., Detroit, Mich., and Los Angeles, Calif., each reported 50 or more cases for the week.

*Influenza and pneumonia deaths.*—For the week ended March 15, 1924, 100 cities reported 95 deaths from influenza and 1,175 deaths from pneumonia. For the corresponding week of 1923, these cities reported 293 deaths from influenza and 1,283 from pneumonia.

## City reports for week ended March 15, 1924.

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics, or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during non-epidemic years.

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1915 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.
<b>NEW ENGLAND.</b>										
Maine:										
Lewiston.....	0	1	2	0	0	5	0	0	1	0
Portland.....	17	1	3	5	0	1	25	3	2	1
New Hampshire:										
Concord.....	0	0	0	0	0	49	0	2	1	0
Vermont:										
Barre.....	1	0	0	0	0	0	0	0	1	0
Burlington.....	3	0	0	0	0	1	0	2	1	2
Massachusetts:										
Boston.....	78	63	70	4	2	242	42	28	56	164
Fall River.....	4	4	3	2	2	8	3	8	2	11
Springfield.....	8	5	5	2	1	97	9	3	5	23
Worcester.....	-----	4	5	0	0	5	-----	9	8	26
Rhode Island:										
Pawtucket.....	2	1	1	0	0	0	5	2	2	8
Providence.....	0	12	7	-----	2	3	0	12	8	85
Connecticut:										
Bridgeport.....	0	7	5	2	0	2	0	4	5	17
Hartford.....	-----	8	10	0	0	46	-----	3	5	61
New Haven.....	4	2	1	-----	3	7	64	11	5	12
<b>MIDDLE ATLANTIC.</b>										
New York:										
Buffalo.....	0	17	13	-----	1	33	0	15	17	21
New York.....	265	281	224	89	25	1,916	266	248	159	275
Rochester.....	11	10	2	0	0	3	5	6	12	7
Syracuse.....	32	7	6	0	0	62	4	4	15	60
New Jersey:										
Camden.....	-----	2	4	0	0	2	-----	4	3	1
Newark.....	45	22	18	8	0	114	125	12	25	24
Trenton.....	3	6	7	1	2	34	0	9	4	9
Pennsylvania:										
Philadelphia.....	147	74	97	1	5	67	168	85	60	86
Pittsburgh.....	76	21	29	1	4	26	100	78	13	34
Reading.....	0	3	1	0	0	0	0	5	3	3
Scranton.....	8	4	4	0	0	2	0	4	5	2
<b>EAST NORTH CENTRAL.</b>										
Ohio:										
Cincinnati.....	16	13	8	1	2	114	0	13	12	13
Cleveland.....	92	29	22	9	4	38	394	32	39	16
Columbus.....	6	4	5	0	1	5	0	6	7	17
Toledo.....	50	4	7	-----	3	45	0	2	12	33
Indiana:										
Fort Wayne.....	-----	3	4	0	0	0	-----	2	2	0
Indianapolis.....	41	12	11	0	0	47	200	15	13	4
South Bend.....	-----	1	5	0	0	1	-----	3	3	14
Terre Haute.....	0	1	0	-----	1	0	0	6	4	0
Illinois:										
Chicago.....	134	109	83	42	12	169	151	99	126	132
Cicero.....	7	2	1	0	0	0	29	0	2	2
Peoria.....	-----	2	0	0	0	2	-----	2	4	2
Springfield.....	6	1	3	1	1	1	3	2	2	0

City reports for week ended March 15, 1924—Continued.

Division, State, and city.	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.
<b>EAST NORTH CENTRAL—contd.</b>										
<b>Michigan:</b>										
Detroit.....	73	61	62	-----	2	154	93	40	76	94
Flint.....	6	7	2	0	0	52	45	9	8	0
Grand Rapids.....	6	3	4	0	0	4	24	4	7	10
Saginaw.....	2	2	2	0	0	12	1	2	2	36
<b>Wisconsin:</b>										
Madison.....	9	1	2	0	0	0	0	1	3	3
Milwaukee.....	68	14	18	0	0	17	7	0	32	26
Racine.....	10	1	4	0	0	1	0	2	4	15
Superior.....	-----	1	0	0	0	1	0	0	1	3
<b>WEST NORTH CENTRAL.</b>										
<b>Minnesota:</b>										
Duluth.....	-----	2	0	0	0	8	-----	1	5	13
Minneapolis.....	99	15	18	2	1	56	8	8	31	54
St. Paul.....	-----	11	15	0	0	37	-----	13	22	64
<b>Iowa:</b>										
Davenport.....	-----	1	1	0	-----	1	-----	-----	3	1
Des Moines.....	0	2	3	0	-----	12	0	-----	9	2
Sioux City.....	0	2	6	0	-----	0	0	1	2	1
Waterloo.....	1	0	0	0	-----	4	16	-----	3	1
<b>Missouri:</b>										
Kansas City.....	-----	10	-----	-----	-----	-----	-----	-----	11	-----
St. Joseph.....	0	2	0	0	0	4	9	5	2	1
St. Louis.....	36	51	28	0	0	52	34	-----	27	92
<b>North Dakota:</b>										
Fargo.....	0	2	0	0	0	0	0	0	3	0
Grand Forks.....	2	1	0	0	-----	30	0	-----	1	0
<b>South Dakota:</b>										
Sioux Falls.....	3	1	1	0	0	2	-----	2	3	2
<b>Nebraska:</b>										
Lincoln.....	-----	1	5	0	0	37	-----	1	4	2
Omaha.....	8	4	1	0	0	180	1	10	14	4
<b>Kansas:</b>										
Topeka.....	10	1	0	0	0	428	0	3	1	2
Wichita.....	2	1	2	0	0	211	217	3	1	0
<b>SOUTH ATLANTIC.</b>										
<b>Delaware:</b>										
Wilmington.....	-----	2	1	0	0	0	-----	8	2	-----
<b>Maryland:</b>										
Baltimore.....	136	24	20	29	1	144	18	45	34	90
Cumberland.....	-----	1	0	0	0	0	-----	2	1	2
Frederick.....	-----	0	3	2	0	36	-----	0	0	4
<b>District of Columbia:</b>										
Washington.....	55	11	7	2	1	14	0	23	19	27
<b>Virginia:</b>										
Lynchburg.....	1	1	0	0	0	1	0	0	1	1
Norfolk.....	8	2	0	0	0	76	1	7	2	0
Richmond.....	12	2	0	0	0	36	2	6	3	2
Roanoke.....	2	1	1	0	0	1	0	4	1	1
<b>West Virginia:</b>										
Charleston.....	0	1	0	0	0	0	5	2	0	0
Huntington.....	3	1	0	1	0	0	0	3	2	0
Wheeling.....	11	1	2	0	0	6	-----	4	1	3
<b>North Carolina:</b>										
Raleigh.....	19	0	0	0	0	7	0	3	1	0
Wilmington.....	12	0	0	0	0	27	13	2	0	0
Winston-Salem.....	6	1	0	0	0	66	6	14	1	16
<b>South Carolina:</b>										
Charleston.....	0	1	0	0	1	0	0	3	1	1
Columbia.....	5	1	0	0	0	36	2	7	1	0
Greenville.....	0	0	0	0	0	36	2	2	0	0
<b>Georgia:</b>										
Atlanta.....	4	1	1	1	1	8	9	21	5	16
Brunswick.....	0	0	0	0	0	45	0	1	0	0
Savannah.....	0	1	0	2	3	32	0	2	1	0
<b>Florida:</b>										
St. Petersburg.....	1	-----	1	0	0	4	0	3	-----	4
Tampa.....	0	2	0	0	0	4	0	2	0	0

## City reports for week ended March 15, 1924—Continued.

Division, State, and city	Chick- en pox, cases re- ported.	Diphtheria.		Influenza.		Meas- les, cases re- ported.	Mumps, cases re- ported.	Pneu- monia, deaths re- ported.	Scarlet fever.	
		Cases, esti- mated expect- ancy.	Cases re- ported.	Cases re- ported.	Deaths re- ported.				Cases, esti- mated expect- ancy.	Cases re- ported.
<b>EAST SOUTH CENTRAL.</b>										
Kentucky:										
Covington.....	0	1	0	1	0	9	0	5	1	7
Lexington.....	1	1	1	0	0	40	0	2	1	0
Louisville.....	4	7	2	2	1	3	10	5	4	3
Tennessee:										
Memphis.....	43	5	7	3	46	34	17	3	7	7
Nashville.....	0	1	0	1	9	13	9	2	0	0
Alabama:										
Birmingham.....	13	2	1	4	1	104	22	14	1	5
Mobile.....	0	1	1	0	0	9	0	2	1	0
Montgomery.....		0	1		2	12		3	0	0
<b>WEST SOUTH CENTRAL.</b>										
Arkansas:										
Fort Smith.....	9	1	0	0		0	3		1	1
Little Rock.....	8	1	2	0		28	3		1	2
Louisiana:										
New Orleans.....	10	11	10	2	4	114	0	21	4	5
Shreveport.....	0		0	1	1	4	0	1		2
Oklahoma:										
Tulsa.....	10	1	1	0		7	0		1	1
Texas:										
Dallas.....	11	3	3	1	0	74	26	6	1	7
Galveston.....	0	1	1	0	0	23	0	2	1	0
Houston.....	1	1	1	3	3	105	0	9	1	0
San Antonio.....	0	2	1	0	0	62	3	22	1	2
<b>MOUNTAIN.</b>										
Montana:										
Billings.....	1	0	0	0	0	4	0	0	1	1
Great Falls.....	7	1	2	0	0	52	0	0	1	3
Helena.....	0		0	0	0	65	0	0		0
Missoula.....	1	0	5	0	0	37	0	0	1	0
Idaho:										
Boise.....	4	0	0	9	0	94	0	0	1	0
Colorado:										
Denver.....	23	8	9	1	109	2	27	11	18	18
Pueblo.....	2	1	5	0	0	49	4	2	0	5
New Mexico:										
Albuquerque.....	6	1	2	0	0	20	0	1	5	1
Utah:										
Salt Lake City.....	26	3	3	0	0	276	8	2	4	0
Nevada:										
Reno.....	0	0	0	0	0	53	0	0	0	0
<b>PACIFIC.</b>										
Washington:										
Seattle.....		4	14						8	
Spokane.....		3							5	17
Tacoma.....		2							2	
California:										
Los Angeles.....		25	70	5	1	299		19	13	76
Sacramento.....		1	3	0	0	12		2	2	3
San Francisco.....	46	20	49	4	1	112	11	8	15	34

City reports for week ended March 15, 1924—Continued.

Division, State, and city.	Population July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths reported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
NEW ENGLAND.										
Maine:										
Lewiston.....	33,790	0	0	0	1	0	0	0	1	14
Portland.....	73,129	0	0	0	0	0	0	0	10	21
New Hampshire:										
Concord.....	22,408	0	0	0	1	0	0	0	0	6
Vermont:										
Barre.....	110,008	0	0	0	1	0	0	0	0	4
Burlington.....	23,613	0	0	0	1	0	0	0	0	5
Massachusetts:										
Boston.....	770,400	0	0	0	11	1	2	0	12	231
Fall River.....	120,912	0	0	0	4	0	0	0	7	40
Springfield.....	144,227	0	0	0	1	0	0	0	0	38
Worcester.....	191,927	0	0	0	2	0	0	0	0	47
Rhode Island:										
Pawtucket.....	68,799	0	0	0	0	0	0	0	0	28
Providence.....	242,378	0	0	0	6	0	0	1	0	90
Connecticut:										
Bridgeport.....	1143,555	0	0	0	3	0	0	0	0	39
Hartford.....	1138,036	0	0	0	1	0	0	0	0	39
New Haven.....	172,967	0	0	0	1	0	1	0	1	63
MIDDLE ATLANTIC.										
New York:										
Buffalo.....	536,718	0	0	0	10	1	4	1	43	126
New York.....	5,927,625	0	0	0	113	8	14	1	171	1,614
Rochester.....	317,867	0	0	0	3	0	0	0	10	76
Syracuse.....	184,511	0	0	0	3	0	0	0	3	58
New Jersey:										
Camden.....	124,157	0	0	0	2	1	0	0	0	39
Newark.....	438,699	0	0	0	5	1	0	0	21	114
Trenton.....	127,390	0	2	0	3	0	0	0	0	52
Pennsylvania:										
Philadelphia.....	1,922,788	0	0	0	45	4	2	0	52	529
Pittsburgh.....	613,442	0	0	0	6	1	0	0	61	256
Reading.....	110,917	0	0	0	1	1	0	0	6	59
Seranton.....	140,636	0	0	0	3	1	0	0	2	7
EAST NORTH CENTRAL.										
Ohio:										
Cincinnati.....	406,312	1	5	0	7	0	2	0	17	132
Cleveland.....	888,519	2	5	0	12	2	4	1	53	57
Columbus.....	261,082	1	2	0	10	0	1	0	2	80
Toledo.....	268,338	4	17	0	7	1	0	0	16	67
Indiana:										
Fort Wayne.....	93,573	3	4	0	0	0	1	1	0	24
Indianapolis.....	342,718	3	37	0	7	0	0	1	13	108
South Bend.....	76,709	0	0	0	0	0	0	0	0	15
Terre Haute.....	68,939	1	0	0	0	0	0	0	7	27
Illinois:										
Chicago.....	2,886,121	2	13	1	49	4	0	1	24	696
Cicero.....	55,968	0	0	0	1	0	0	0	1	7
Peoria.....	79,675	2	0	0	0	0	0	0	0	19
Springfield.....	61,833	2	0	0	0	0	0	0	4	17
Michigan:										
Detroit.....	995,668	4	50	0	25	2	1	0	19	269
Flint.....	117,968	1	4	0	0	0	0	0	3	28
Grand Rapids.....	145,947	1	1	0	1	1	0	0	6	31
Saginaw.....	69,754	0	0	0	1	1	0	0	4	32
Wisconsin:										
Madison.....	42,519	1	0	0	0	1	0	0	2	2
Milwaukee.....	484,595	5	0	0	6	1	0	0	38	113
Racine.....	64,393	0	1	0	0	1	0	0	1	10
Superior.....	139,671	2	3	0	0	0	0	0	0	10

<sup>1</sup>Population Jan. 1, 1920.

<sup>2</sup>Fulmonary only.



## City reports for week ended March 15, 1924—Continued.

Division, State, and city.	Popula- tion July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths reported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
<b>WEST NORTH CENTRAL.</b>										
<b>Minnesota:</b>										
Duluth.....	106,280	2	15	0	2	0	0	0		21
Minneapolis.....	409,125	19	6	0	6	1	0	0	5	86
St. Paul.....	241,891	10	19	0	6	0	0	0		68
<b>Iowa:</b>										
Davenport.....	61,262	4	13			0	0			
Des Moines.....	140,523	4	2			0	0		0	
Sioux City.....	79,662	3	0			0	0		0	
Waterloo.....	39,667	0	0			0	0		9	
<b>Missouri:</b>										
Kansas City.....	351,819	8				0				
St. Joseph.....	78,232	3	0	0	2	0	0	0	0	37
St. Louis.....	803,853	4	11	0	12	2	1	0	55	246
<b>North Dakota:</b>										
Fargo.....	24,841	0	0	0	0	0	0	0	0	7
Grand Forks.....	14,547	0	0			0	0		0	
<b>South Dakota:</b>										
Sioux Falls.....	29,206	2	0	0	0	0	0	0		10
<b>Nebraska:</b>										
Lincoln.....	58,761	4	0	0	0	0	0	0		12
Omaha.....	204,382	8	1	0	4	0	0	0	0	56
<b>Kansas:</b>										
Topeka.....	52,555	2	0	0	2	0	0	0	1	17
Wichita.....	79,261	6	24	0	2	0	0	0	13	27
<b>SOUTH ATLANTIC.</b>										
<b>Delaware:</b>										
Wilmington.....	117,728	0	0	0	0	1	0	0		28
<b>Maryland:</b>										
Baltimore.....	773,580	0	0	0	23	3	1	0	18	230
Cumberland.....	32,361	0	0	0	0	0	0	0		11
Frederick.....	11,301	0	0	0	0	0	0	0		6
<b>District of Columbia:</b>										
Washington.....	1,437,571	0	8	0	14	1	1	0	11	157
<b>Virginia:</b>										
Lynchburg.....	30,277	0	0	0	0	0	0	0	12	8
Norfolk.....	159,089	1	0	0	3	0	0	0	3	
Richmond.....	181,044	0	0	0	4	0	0	0	3	47
Roanoke.....	55,502	1	0	0	1	0	0	0	0	20
<b>West Virginia:</b>										
Charleston.....	45,597	1	20	0	1	0	0	0	4	11
Huntington.....	57,918	0	2	0	1	0	0	0	0	15
Wheeling.....	156,208	0	0	0	1	0	4	0		13
<b>North Carolina:</b>										
Raleigh.....	29,171	0	10	0	2	0	0	0	4	17
Wilmington.....	35,719	0	0	0	1	0	0	0	0	13
Winston-Salem.....	56,230	4	5	0	4	0	3	0	7	29
<b>South Carolina:</b>										
Charleston.....	71,245	0	4	0	3	0	0	0	0	26
Columbia.....	39,688	0	0	0	4	0	0	0	0	28
Greenville.....	25,780	0	0	0	2	0	0	0	1	6
<b>Georgia:</b>										
Atlanta.....	222,963	3	96	1	6	0	0	0	0	90
Brunswick.....	15,937	0	0	0	0	0	0	0	0	4
Savannah.....	89,448	0	1	0	5	1	0	0		29
<b>Florida:</b>										
St. Petersburg.....	24,403		0	0	2		1	0	0	10
Tampa.....	56,050	0	0	0	2	3	1	0	0	25
<b>EAST SOUTH CENTRAL.</b>										
<b>Kentucky:</b>										
Covington.....	57,877	0	3	0	0	0	0	0	0	23
Lexington.....	43,673	0	0	0	2	0	0	0	0	18
Louisville.....	257,671	1	0	0	5	0	1	0	3	74

1 Population Jan. 1, 1920.

City reports for week ended March 15, 1924—Continued.

Division, State, and city.	Popula- tion July 1, 1923, estimated.	Smallpox.			Tuberculosis, deaths reported.	Typhoid fever.			Whooping cough, cases reported.	Deaths, all causes.
		Cases, estimated expectancy.	Cases reported.	Deaths reported.		Cases, estimated expectancy.	Cases reported.	Deaths reported.		
<b>EAST SOUTH CENTRAL—contd.</b>										
Tennessee:										
Memphis.....	170,067	3	0	0	5	1	0	0	9	62
Nashville.....	121,128	1	2	0	2	0	0	0	5	65
Alabama:										
Birmingham.....	195,901	1	19	0	5	2	6	0	7	67
Mobile.....	63,858	2	0	0	0	0	0	0	0	17
Montgomery.....	45,383	0	1	0	1	0	0	0	0	14
<b>WEST SOUTH CENTRAL.</b>										
Arkansas:										
Fort Smith.....	30,635	0	0	0	0	0	0	168	0	0
Little Rock.....	70,916	1	1	0	0	0	1	2	0	0
Louisiana:										
New Orleans.....	404,575	5	0	0	19	2	0	0	0	168
Shreveport.....	54,590	0	2	0	3	0	0	1	0	27
Oklahoma:										
Tulsa.....	102,018	3	5	0	0	1	0	0	1	0
Texas:										
Dallas.....	177,274	10	0	0	2	1	1	0	0	47
Galveston.....	46,877	1	0	0	0	1	0	0	0	10
Houston.....	154,970	1	2	0	4	0	0	0	0	45
San Antonio.....	184,727	0	0	0	6	0	1	0	0	65
<b>MOUNTAIN.</b>										
Montana:										
Billings.....	16,927	0	0	0	0	0	0	0	0	1
Great Falls.....	27,787	2	1	0	0	0	0	0	10	5
Helena.....	12,037	0	0	0	0	0	0	0	0	6
Missoula.....	12,668	0	0	0	0	0	0	0	0	2
Idaho:										
Boise.....	22,806	0	2	0	0	0	0	0	0	5
Colorado:										
Denver.....	272,031	7	0	0	10	0	0	0	3	95
Pueblo.....	43,519	0	0	0	0	0	0	0	0	15
New Mexico:										
Albuquerque.....	16,648	0	0	0	4	0	0	0	0	9
Utah:										
Salt Lake City.....	126,241	7	0	0	2	1	0	0	9	39
Nevada:										
Reno.....	12,429	0	0	0	1	0	0	0	0	2
<b>PACIFIC.</b>										
Washington:										
Seattle.....	315,685	6	0	0	0	0	0	0	0	0
Spokane.....	104,573	17	19	0	0	0	0	0	0	0
Tacoma.....	101,731	3	0	0	0	1	0	0	0	0
California:										
Los Angeles.....	666,853	2	116	0	29	2	0	1	0	239
Sacramento.....	69,950	0	3	0	3	0	0	0	0	32
San Francisco.....	539,038	3	0	0	13	2	2	0	0	150

<sup>1</sup> Population Jan. 1, 1920.

## City reports for week ended March 15, 1924—Continued.

Division, State, and city.	Cerebrospinal meningitis.		Lethargic encephalitis.		Pellagra.		Poliomyelitis (infantile paralysis).		
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases, est. expectancy.	Cases.	Deaths.
<b>NEW ENGLAND.</b>									
Massachusetts:									
Worcester.....	0	3	0	0	0	0	0	0	0
Rhode Island:									
Providence.....	0	1	0	1	0	0	0	0	0
Connecticut:									
Bridgeport.....	0	0	0	1	0	0	0	0	0
<b>MIDDLE ATLANTIC.</b>									
New York:									
New York.....	3	1	18	5	0	0	1	2	1
New Jersey:									
Newark.....	2	0	0	0	0	0	0	0	0
Trenton.....	0	0	0	1	0	0	0	0	0
Pennsylvania:									
Philadelphia.....	0	0	2	1	0	0	0	0	0
<b>EAST NORTH CENTRAL.</b>									
Ohio:									
Cleveland.....	1	0	0	1	0	0	0	0	0
Illinois:									
Chicago.....	1	0	3	0	0	0	1	0	0
Michigan:									
Detroit.....	1	0	0	1	1	0	1	0	0
Flint.....	0	1	0	0	0	0	0	0	0
Grand Rapids.....	0	0	1	0	0	0	0	0	0
<b>WEST NORTH CENTRAL.</b>									
Missouri:									
St. Joseph.....	0	0	1	0	0	0	0	0	0
<b>SOUTH ATLANTIC.</b>									
South Carolina:									
Charleston.....	0	0	0	0	0	1	0	0	0
Columbia.....	0	0	0	0	0	2	0	0	0
<b>EAST SOUTH CENTRAL.</b>									
Tennessee:									
Memphis.....	0	0	0	0	0	1	0	0	0
Nashville.....	0	0	0	0	1	0	0	0	0
Alabama:									
Birmingham.....	0	0	0	0	0	1	0	0	0
<b>PACIFIC.</b>									
California:									
San Francisco.....	0	1	0	0	0	0	0	0	0

The following table gives a summary of the reports from 105 cities for the eight-week period ended March 15, 1924. The cities included in this table are those whose reports have been published for all eight weeks in the Public Health Reports. Eight of these cities did not report deaths. The aggregate population of the cities reporting cases was estimated at nearly 29,000,000 on July 1, 1923, which is the latest date for which estimates are available. The cities reporting deaths had more than 28,000,000 population on that date. The

number of cities included in each group and the aggregate population are shown in a separate table below.

*Summary of weekly reports from cities, January 20 to March 15, 1924.*

DIPHThERIA CASES.

	1924, week ended—							
	Jan. 26.	Feb. 2.	Feb. 9	Feb. 16.	Feb. 23.	Mar. 1.	Mar. 8.	Mar. 15.
Total.....	1,387	1,288	1,305	1,226	1,075	1,103	1,024	1,052
New England.....	141	161	136	115	109	125	86	110
Middle Atlantic.....	479	410	490	434	394	388	351	401
East North Central.....	305	291	284	247	225	230	218	234
West North Central.....	124	125	97	128	102	186	110	178
South Atlantic.....	72	59	50	57	31	54	43	37
East South Central.....	17	19	13	17	13	11	9	12
West South Central.....	41	38	33	37	34	34	34	18
Mountain.....	27	21	21	23	27	19	24	24
Pacific.....	181	164	181	168	140	156	149	140

MEASLES CASES.

Total.....	5,571	5,908	5,794	6,577	6,002	7,258	7,101	7,155
New England.....	170	227	265	334	294	469	353	460
Middle Atlantic.....	770	899	1,004	1,183	1,388	1,838	1,971	2,258
East North Central.....	296	330	292	378	322	476	541	604
West North Central.....	411	522	643	814	835	1,056	1,045	1,112
South Atlantic.....	507	556	508	655	578	683	801	579
East South Central.....	121	118	98	118	163	263	155	196
West South Central.....	552	564	511	710	738	781	693	410
Mountain.....	723	1,005	975	1,216	871	879	819	739
Pacific.....	2,021	1,687	1,498	1,169	813	813	723	797

SCARLET FEVER CASES.

Total.....	1,925	1,858	1,934	1,798	1,677	1,873	1,928	1,921
New England.....	327	368	307	276	301	330	388	413
Middle Atlantic.....	530	492	572	525	450	519	532	520
East North Central.....	419	405	426	383	317	380	347	349
West North Central.....	245	227	248	258	272	250	246	249
South Atlantic.....	142	145	183	157	142	188	209	175
East South Central.....	27	12	18	14	12	12	28	22
West South Central.....	15	19	19	12	8	9	11	19
Mountain.....	24	24	27	41	24	30	25	27
Pacific.....	196	166	134	132	151	155	142	147

SMALLPOX CASES.

Total.....	379	368	427	473	486	521	488	521
New England.....	1	0	0	0	0	0	0	0
Middle Atlantic.....	6	3	0	0	0	0	1	2
East North Central.....	64	74	87	143	101	145	160	125
West North Central.....	50	36	59	49	65	151	156	176
South Atlantic.....	55	58	118	117	117	121	117	144
East South Central.....	3	5	8	5	9	35	35	25
West South Central.....	3	12	6	12	14	4	2	5
Mountain.....	2	2	4	3	2	11	11	3
Pacific.....	195	178	145	144	178	154	106	141

<sup>1</sup> Figures for Kansas City, Mo., estimated. Report not received at time of going to press.

<sup>2</sup> Figures for Seattle, Spokane, and Tocama, Wash., estimated. Reports not received at time of going to press.

Summary of weekly reports from cities, January 20 to March 15, 1924—  
Continued.

## TYPHOID FEVER CASES.

	1924, week ended—							
	Jan. 26.	Feb. 2.	Feb. 9.	Feb. 16.	Feb. 23.	Mar. 1.	Mar. 8.	Mar. 15.
Total.....	69	78	76	74	52	49	46	57
New England.....	1	5	0	3	5	8	7	3
Middle Atlantic.....	21	26	24	23	8	11	16	20
East North Central.....	18	14	8	18	8	9	8	11
West North Central.....	2	5	7	2	0	1	13	1
South Atlantic.....	11	18	15	7	11	7	3	8
East South Central.....	8	1	2	2	4	4	1	7
West South Central.....	4	1	10	3	6	3	2	3
Mountain.....	0	1	1	4	2	1	2	0
Pacific.....	4	7	9	12	8	5	4	24

## INFLUENZA DEATHS.

Total.....	70	82	100	92	99	96	119	107
New England.....	6	3	3	5	4	3	5	10
Middle Atlantic.....	14	29	33	30	36	33	45	37
East North Central.....	23	18	19	13	18	14	19	23
West North Central.....	4	5	6	6	4	12	12	13
South Atlantic.....	6	5	14	17	10	13	15	7
East South Central.....	3	7	13	6	12	10	15	16
West South Central.....	6	10	7	11	8	15	12	8
Mountain.....	1	0	2	0	2	2	4	1
Pacific.....	7	5	3	4	5	4	2	22

## PNEUMONIA DEATHS.

Total.....	1,002	1,120	1,064	1,125	1,191	1,165	1,217	1,194
New England.....	51	73	73	79	87	84	73	85
Middle Atlantic.....	409	468	421	407	461	469	516	466
East North Central.....	177	222	216	255	226	235	221	240
West North Central.....	70	64	46	52	50	149	159	166
South Atlantic.....	129	123	134	146	171	166	177	161
East South Central.....	50	62	63	65	65	55	61	55
West South Central.....	60	64	53	59	71	55	62	61
Mountain.....	20	21	24	30	27	19	14	31
Pacific.....	36	28	34	32	33	33	34	29

<sup>1</sup> Figures for Kansas City, Mo., estimated. Report not received at time of going to press.

<sup>2</sup> Figures for Seattle, Spokane, and Tacoma, Wash., estimated. Reports not received at time of going to press.

Number of cities included in summary of weekly reports and aggregate population of cities in each group, estimated as of July 1, 1923.

Group of cities.	Number of cities reporting cases.	Number of cities reporting deaths.	Aggregate population of cities reporting cases.	Aggregate population of cities reporting deaths.
Total.....	105	97	28,898,350	28,140,934
New England.....	12	12	2,098,746	2,098,746
Middle Atlantic.....	10	10	10,304,114	10,304,114
East North Central.....	17	17	7,032,535	7,032,535
West North Central.....	14	11	2,515,330	2,381,454
South Atlantic.....	22	22	2,566,901	2,566,901
East South Central.....	7	7	911,885	911,885
West South Central.....	8	6	1,124,564	1,023,013
Mountain.....	9	9	546,445	546,445
Pacific.....	6	3	1,797,830	1,275,841

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923.

ANTHRAX.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Alabama:				Massachusetts:			
Montgomery County—				Essex County.....	1		
Montgomery.....		1		Middlesex County.....		1	
California:				Total.....	1	1	
Colusa County.....	1	1		Mississippi.....			1
Sonoma County.....		1		Montana:			
Total.....	1	2		Cascade County.....			1
Colorado:				New York:			
Lincoln County.....		1		Cattaraugus County.....	1		
Florida:				Fulton County.....			1
Alachua County—				New York City.....		1	
Gainesville.....	1			Total.....	1	1	1
Louisiana:				Pennsylvania:			
West Baton Rouge Par-				Philadelphia.....	2	1	
ish.....			1	Virginia:			
Maryland.....			1	Prince Edward County.....	1		

CEREBROSPINAL MENINGITIS (EPIDEMIC).

Alabama:				Hawaii:			
Cullman County.....			1	Maui.....	4		
Jefferson County.....		2	1	Oahu.....		1	1
Mobile County.....		1		Total.....	4	1	1
Morgan County.....		1		Idaho:			
Tuscaloosa County.....			1	Bingham County.....	1		
Total.....		4	3	Illinois:			
Arkansas:				Alexander County.....	1		
Drew County.....			1	Boone County.....	1		
Montgomery County.....			2	Cook County.....	5	4	3
Total.....			3	Douglas County.....		2	
California:				Franklin County.....		1	
Alameda County.....			1	Jefferson County.....		1	
Fresno County.....		2		Macoupin County.....	1		
Humboldt County.....	1			Marshall County.....			1
Los Angeles County.....	1	2		Menard County.....		1	
Sacramento County.....	2	2		Montgomery County.....		1	
San Diego County.....	1	1		Peoria County.....	1		
San Francisco County.....	2	5	1	Rock Island County.....	1		
San Joaquin County.....	1	1		Stephenson County.....		1	
Santa Barbara County.....		1		Winnebago County.....	1		
Santa Clara County.....		1		Total.....	11	11	4
Sonoma County.....			1	Indiana:			
Total.....	8	15	3	Clay County.....	1		
Connecticut:				Delaware County.....			4
Fairfield County.....	1	5		Floyd County.....		1	
Hartford County.....	3	1	2	Hamilton County.....	1		
Middlesex County.....			1	Jasper County.....	2		
New Haven County.....	4	3		Marion County.....			2
New London County.....			1	Martin County.....		1	
Total.....	8	9	4	Total.....	4	2	6
Delaware:				Iowa:			
New Castle County.....		1		Mills County.....		1	
District of Columbia.....		2		O'Brien County.....			1
Florida:				Polk County.....	1		
Dade County.....	1			Poweshiek County.....			1
Duval County.....	1		1	Total.....	1	1	2
Orange County.....			1	Kansas:			
Polk County.....		1		Doniphan County.....		1	
Saint Johns County.....		1		Labette County.....		1	
Total.....	2	2	2	Miami County.....		1	
				Sedgwick County.....			1
				Shawnee County.....			1
				Total.....		3	2

## STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## CEREBROSPINAL MENINGITIS (EPIDEMIC)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Louisiana:</b>				<b>New York—Continued.</b>			
Caddo Parish.....		1		Oneida County.....		2	
Iberia Parish.....	1			Otsego County.....	1		
Jefferson parish.....	1			Rensselaer County.....	1		
Lafayette Parish.....		1		Rockland County.....	1		
Orleans Parish.....		3	2	Schuyler County.....	4		
Vernon Parish.....		1		Westchester County.....		3	
<b>Total.....</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>Total.....</b>	<b>18</b>	<b>13</b>	<b>9</b>
<b>Maine:</b>				<b>North Carolina:</b>			
Androscoggin County.....	1			Catawba County.....			1
Franklin County.....		1		Carteret County.....			1
Hancock County.....	1			Henderson County.....		1	
Kennebec County.....	1			New Hanover County.....		1	
<b>Total.....</b>	<b>3</b>	<b>1</b>		Randolph County.....	1		
<b>Maryland:</b>				Robeson County.....	1		
Baltimore City.....	3	1	2	Vance County.....		1	
Prince Georges County.....	1			Wake County.....			1
<b>Total.....</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>Total.....</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>Massachusetts:</b>				<b>North Dakota:</b>			
Berkshire County.....		1		Burleigh County.....	1		
Bristol County.....	2	1	2	Logan County.....	1		
Essex County.....		1	1	McLean County.....	1		
Franklin County.....		2		<b>Total.....</b>	<b>3</b>		
Hampden County.....	1			<b>Ohio:</b>			
Hampshire County.....	1		1	Cuyahoga County.....	2	2	1
Middlesex County.....	3	2		Erie County.....		1	
Norfolk County.....	1		1	Fayette County.....	1		1
Suffolk County.....	5	1	1	Hamilton County.....	1	1	
Worcester County.....		1	1	Lawrence County.....		1	1
<b>Total.....</b>	<b>13</b>	<b>9</b>	<b>7</b>	Lucas County.....		2	
<b>Minnesota:</b>				Madison County.....	1		
Brown County.....	1			Scioto County.....			1
Cass County.....			1	Van Wert County.....		1	
Hennepin County.....	1	1		<b>Total.....</b>	<b>5</b>	<b>8</b>	<b>4</b>
Lake County.....			1	<b>Oklahoma:</b>			
Roseau County.....			1	Mayes County.....	1		
Saint Louis County.....	1			<b>Oregon:</b>			
Wright County.....		1		Clackamas County.....	1		1
<b>Total.....</b>	<b>3</b>	<b>2</b>	<b>3</b>	Multnomah County.....	1		
<b>Montana:</b>				<b>Total.....</b>	<b>2</b>		<b>1</b>
Flathead County.....			1	<b>Pennsylvania:</b>			
Lake County.....	2			Allegheny County.....	1		2
Mineral County.....	1			Bradford County.....		1	
Silver Bow County.....			1	Chester County.....		2	1
Stillwater County.....			1	Crawford County.....	1		
<b>Total.....</b>	<b>3</b>		<b>3</b>	Delaware County.....	1		
<b>Nebraska:</b>				Fayette County.....			1
				Lebanon County.....			1
				Luzerne County.....	3	1	1
				McKean County.....	1		
				Montgomery County.....		1	
				Philadelphia County.....	4	1	3
				Tioga County.....			1
				Washington County.....		1	
				Wyoming County.....	3		
				<b>Total.....</b>	<b>14</b>	<b>7</b>	<b>10</b>
<b>New Jersey:</b>				<b>Rhode Island:</b>			
Bergen County.....	1	1		Providence County.....	2		
Camden County.....		1		<b>South Dakota:</b>			
Essex County.....	1	5	4	Bon Homme County.....			1
Hudson County.....	2	1	2	Mellette County.....			1
Mercer County.....			1	Roberts County.....	1		
Middlesex County.....	1	1		Spink County.....	1		
Passaic County.....			1	<b>Total.....</b>	<b>2</b>		<b>2</b>
<b>Total.....</b>	<b>5</b>	<b>9</b>	<b>8</b>				
<b>New York:</b>							
Albany County.....		1					
Broome County.....	1						
Columbia County.....	1						
Erie County.....	1	2	1				
Jefferson County.....			1				
New York City.....	8	5	8				

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

CEREBROSPINAL MENINGITIS (EPIDEMIC)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Virginia:				Washington—Continued.			
Appomattox County.....		1		Pierce County.....			2
Bedford County.....		2		Snohomish County.....	1		
Caroline County.....			1	Total.....	2		2
Cumberland County.....	1			West Virginia:			
Grayson County.....			1	Kanawha County.....		1	
Greene County.....	1			Ohio County.....	1		
Hanover County.....		1	2	Ritchie County.....		10	
Isle of Wight County.....		1		Total.....	1	11	
Lee County.....		1	1	Wisconsin:			
Norfolk County.....		1		Dodge County.....		1	
Patrick County.....	1			Douglas County.....	1		
Pittsylvania County.....			1	Juneau County.....			1
Pulaski County.....			1	Lincoln County.....	5		
Roanoke County.....	1		1	Manitowoc County.....	2		
Russell County.....			1	Milwaukee County.....	3	4	1
Scott County.....	1			Rock County.....		1	
Smyth County.....			1	Sawyer County.....			1
Spotsylvania County.....		1	1	Walworth County.....	1		
Tazewell County.....	1	1		Waushara County.....			1
Washington County.....			1	Total.....	12	6	4
Total.....	6	9	11				
Washington:							
Kitsap County.....	1						

INFLUENZA.

Alabama:				Alabama—Continued.			
Autauga County.....			4	Sumter County.....			2
Baldwin County.....		8		Talladega County.....		7	3
Barbour County.....			11	Tallapoosa County.....	2	6	17
Blount County.....	1			Tuscaloosa County.....		3	8
Bullock County.....	1	4		Walker County.....	5	43	60
Calhoun County.....	1	18	11	Washington County.....	2		5
Chambers County.....	1	6		Winston County.....	15	12	6
Cherokee County.....		2	1	County not stated (reported as "Devil's grip").....	72		5
Clarke County.....		1	6	Total.....	160	286	344
Coffee County.....	1	5	1	Arkansas:			
Colbert County.....	1	2	1	Ashley County.....		7	9
Conecuh County.....	1	1	1	Baxter County.....	4	17	24
Coosa County.....		6		Benton County.....		6	5
Covington County.....	2	7	1	Calhoun County.....		10	
Crenshaw County.....	2	10	1	Carroll County.....	11	16	12
Cullman County.....	3	12	1	Craighead County.....	5	1	1
Elmore County.....			2	Crawford County.....	12	1	1
Escambia County.....			3	Cross County.....			22
Etowah County.....	3	33	34	Drew County.....	11	36	
Fayette County.....		4		Faulkner County.....		4	1
Franklin County.....	1	8	1	Franklin County.....		8	
Geneva County.....	1	1	1	Garland County.....		3	
Hale County.....			1	Grant County.....		14	26
Houston County.....			3	Hempstead County.....	1	4	2
Jackson County.....		3	5	Hot Spring County.....	24	70	54
Jefferson County.....	28	42	76	Howard County.....		1	1
Lauderdale County.....			2	Independence County.....			1
Lawrence County.....		1		Lafayette County.....		21	
Limestone County.....	1	2	2	Lawrence County.....			1
Macon County.....			1	Lee County.....	14	39	33
Madison County.....		6	7	Lonoke County.....	4	2	1
Marengo County.....		2	1	Monroe County.....		1	
Marshall County.....	3			Montgomery County.....			2
Mobile County.....	5	5	10	Ouachita County.....	28	24	20
Monroe County.....	5			Perry County.....	1	2	3
Montgomery County.....		2	9	Poinsett County.....			16
Morgan County.....		4	21	Pulaski County.....	2	8	4
Perry County.....		7		Randolph County.....	11	15	17
Pickens County.....	1		2	St. Francis County.....			7
Pike County.....		3	1				
Randolph County.....	1	5	2				
St. Clair County.....		3					
Shelby County.....	4	3	14				



**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER,  
1923—Continued.**

**INFLUENZA—Continued.**

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Arkansas—Continued.</b>				<b>Florida—Continued.</b>			
Saline County.....	2	8	28	Hillsborough County.....	4	1	2
Scott County.....	6	.....	4	Jefferson County.....	.....	.....	1
Sebastian County.....	5	.....	37	Leon County.....	.....	.....	1
Sharp County.....	1	.....	13	Levy County.....	.....	2	1
Union County.....	.....	15	.....	Monroe County.....	.....	.....	1
Van Buren County.....	.....	.....	3	Okealoosa County.....	.....	.....	1
Washington County.....	.....	5	2	Osceola County.....	.....	2	.....
Woodruff County.....	.....	17	.....	Pasco County.....	1	.....	1
<b>Total.....</b>	<b>142</b>	<b>355</b>	<b>350</b>	Pinellas County.....	1	.....	1
<b>California:</b>				Polk County.....	.....	1	2
Alameda County.....	4	11	6	Putnam County.....	2	.....	.....
Butte County.....	.....	.....	2	Santa Rosa County.....	.....	.....	1
Contra Costa County.....	.....	1	1	Sarasota County.....	.....	.....	2
Fresno County.....	.....	.....	1	Seminole County.....	.....	2	2
Kern County.....	1	.....	.....	Union County.....	.....	5	.....
Los Angeles County—				Volusia County.....	.....	.....	3
Los Angeles.....	27	31	61	<b>Total.....</b>	<b>14</b>	<b>17</b>	<b>38</b>
Scattering.....	10	13	21	<b>Hawaii:</b>			
Marin County.....	.....	.....	1	Hawaii.....	2	.....	1
Mariposa County.....	4	1	3	Kauai.....	6	63	92
Merced County.....	.....	.....	14	Maui.....	19	7	7
Mono County.....	2	.....	.....	Molokai.....	19	1	6
Monterey County.....	.....	.....	1	Oahu.....	67	50	7
Napa County.....	.....	6	.....	<b>Total.....</b>	<b>113</b>	<b>121</b>	<b>113</b>
Nevada County.....	.....	1	2	<b>Idaho:</b>			
Orange County.....	.....	.....	5	Bannock County.....	.....	1	.....
Riverside County.....	1	.....	.....	<b>Illinois:</b>			
Sacramento County.....	1	.....	.....	Adams County.....	4	1	.....
San Diego County.....	3	2	2	Alexander County.....	4	.....	.....
San Francisco County.....	8	15	16	Boone County.....	2	.....	.....
San Joaquin County—				Brown County.....	1	.....	.....
Stockton.....	1	12	10	Bureau County.....	3	.....	.....
Scattering.....	8	.....	2	Calhoun County.....	4	.....	.....
Santa Clara County.....	4	5	4	Carroll County.....	2	.....	.....
Santa Cruz County.....	.....	.....	2	Champaign County.....	4	1	1
Siskiyou County.....	2	.....	.....	Christian County.....	3	.....	.....
Sonoma County.....	3	1	1	Clark County.....	7	.....	.....
Stanislaus County.....	.....	1	2	Clay County.....	1	2	.....
Tehama County.....	.....	2	.....	Clinton County.....	1	.....	.....
Tulare County.....	.....	.....	4	Coles County.....	8	.....	1
<b>Total.....</b>	<b>79</b>	<b>102</b>	<b>161</b>	Cook County.....	36	62	69
<b>Colorado:</b>				Crawford County.....	3	2	.....
Lincoln County.....	.....	2	1	Cumberland County.....	1	.....	.....
Rio Grande County.....	.....	.....	2	Dc Kalb County.....	.....	3	.....
<b>Total.....</b>	<b>.....</b>	<b>2</b>	<b>3</b>	Douglas County.....	3	1	.....
<b>Connecticut:</b>				Du Page County.....	5	4	.....
Fairfield County.....	8	5	3	Edgar County.....	2	1	.....
Hartford County.....	.....	10	11	Edwards County.....	2	2	.....
New Haven County.....	1	7	4	Jeffingham County.....	2	3	.....
New London County.....	1	.....	.....	Fayette County.....	4	.....	5
Windham County.....	1	.....	1	Ford County.....	1	2	.....
<b>Total.....</b>	<b>11</b>	<b>22</b>	<b>19</b>	Franklin County.....	2	1	.....
<b>Delaware:</b>				Fulton County.....	1	2	1
New Castle County.....	.....	2	.....	Gallatin County.....	3	1	.....
<b>District of Columbia.....</b>	<b>1</b>	<b>3</b>	<b>7</b>	Greene County.....	2	3	.....
<b>Florida:</b>				Grundy County.....	1	2	.....
Alachua County.....	1	1	2	Hancock, County.....	2	4	2
Bay County.....	.....	.....	1	Hardin County.....	2	.....	.....
Bradford County.....	.....	.....	4	Henderson County.....	2	.....	.....
Calhoun County.....	.....	.....	1	Henry County.....	7	.....	.....
Dade County.....	.....	.....	1	Iroquois County.....	4	1	.....
Duval County.....	.....	2	10	Jackson County.....	6	.....	.....
Escambia County.....	3	1	1	Jasper County.....	6	.....	.....
Gadsden County.....	1	1	1	Jefferson County.....	1	.....	.....
	1	.....	.....	Jersey County.....	1	.....	.....
				Jo Daviess County.....	4	.....	.....
				Johnson County.....	7	1	2
				Kane County.....	1	.....	.....
				Kankakee County.....	2	3	.....

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Illinois—Continued.</b>				<b>Louisiana—Continued.</b>			
Knox County.....	3	2	-----	Claiborne Parish.....	-----	1	-----
Lake County.....	2	5	-----	De Soto Parish.....	-----	2	11
La Salle County.....	-----	7	1	East Baton Rouge Parish.....	6	6	3
Lawrence County.....	1	-----	-----	East Feliciana Parish.....	6	-----	-----
Livingston County.....	-----	1	-----	Franklin Parish.....	-----	-----	1
Macon County.....	2	2	4	Iberia Parish.....	-----	1	-----
Macoupin County.....	-----	1	2	Iberville Parish.....	1	-----	76
Madison County.....	2	-----	-----	Jefferson Davis Parish.....	-----	-----	1
Marion County.....	-----	-----	1	Lafayette Parish.....	3	-----	6
Morgan County.....	-----	-----	1	Natchitoches Parish.....	3	1	1
Rock Island County.....	-----	1	-----	Orleans Parish.....	3	9	13
St. Clair County.....	-----	1	-----	Ouachita Parish.....	-----	1	-----
Sangamon County.....	-----	1	-----	Plaquemines Parish.....	1	-----	-----
Scott County.....	-----	1	-----	Pointe Coupee Parish.....	2	-----	-----
Shelby County.....	1	-----	-----	Rapides Parish.....	1	7	2
Stark County.....	-----	-----	3	Richland Parish.....	3	2	-----
Stephenson County.....	2	2	1	Saint Charles Parish.....	-----	1	-----
Tazewell County.....	1	1	-----	Saint James Parish.....	-----	-----	1
Union County.....	1	-----	2	Saint Landry Parish.....	2	-----	2
Vermilion County.....	3	-----	1	Saint Mary Parish.....	17	-----	-----
Warren County.....	1	-----	-----	St. Tammany Parish.....	1	-----	-----
Wayne County.....	4	-----	-----	Tangipahoa Parish.....	-----	1	2
White County.....	2	-----	-----	Terrebonne Parish.....	-----	-----	1
Whiteside County.....	1	-----	-----	Union Parish.....	1	-----	-----
Will County.....	9	-----	1	Vermilion Parish.....	1	-----	1
Williamson County.....	-----	3	1	Washington Parish.....	1	2	-----
Winnebago County.....	3	-----	-----	West Baton Rouge Parish.....	-----	-----	1
Woodford County.....	1	-----	-----				
<b>Total.....</b>	<b>194</b>	<b>130</b>	<b>100</b>	<b>Total.....</b>	<b>56</b>	<b>45</b>	<b>126</b>
<b>Indiana:</b>				<b>Maine.....</b>	<b>1</b>	<b>3</b>	<b>7</b>
Carroll County.....	-----	2	-----				
Daviess County.....	-----	2	-----	<b>Maryland:</b>			
Delaware County.....	-----	-----	22	Allegany County.....	6	12	4
Gibson County.....	-----	3	-----	Anne Arundel County.....	1	-----	1
Hancock County.....	-----	-----	22	Baltimore County.....	-----	1	5
Jackson County.....	-----	2	-----	Baltimore City.....	18	63	49
Jennings County.....	-----	-----	1	Calvert County.....	-----	8	9
Johnson County.....	-----	3	-----	Caroline County.....	3	-----	-----
Lake County.....	-----	-----	1	Carroll County.....	-----	2	1
Madison County.....	8	-----	16	Cecil County.....	1	2	3
Martin County.....	10	10	20	Charles County.....	-----	2	2
Orange County.....	-----	-----	5	Dorchester County.....	4	10	4
Parke County.....	-----	-----	1	Frederick County.....	1	1	4
Pulaski County.....	-----	-----	15	Harford County.....	5	2	11
Wells County.....	-----	-----	1	Kent County.....	-----	1	-----
White County.....	-----	-----	17	Montgomery County.....	-----	3	1
<b>Total.....</b>	<b>18</b>	<b>22</b>	<b>121</b>	Prince Georges County.....	1	1	3
				Somerset County.....	1	1	2
<b>Iowa:</b>				Talbot County.....	-----	1	6
Monona County.....	-----	1	-----	Washington County.....	-----	7	4
				Wicomico County.....	5	1	-----
<b>Kansas:</b>				Worcester County.....	1	-----	1
Brown County.....	-----	-----	2				
Butler County.....	-----	-----	3	<b>Total.....</b>	<b>47</b>	<b>118</b>	<b>110</b>
Crawford County.....	-----	1	2				
Greenwood County.....	1	-----	1	<b>Massachusetts:</b>			
Jackson County.....	-----	-----	1	Berkshire County.....	1	2	-----
Kearney County.....	-----	-----	2	Bristol County.....	1	4	1
Mitchell County.....	-----	-----	1	Essex County.....	1	4	1
Rawlins County.....	-----	-----	1	Hampden County.....	-----	2	4
Stevens County.....	-----	3	-----	Hampshire County.....	1	-----	-----
Washington County.....	-----	1	-----	Middlesex County.....	1	1	7
Wilson County.....	-----	-----	7	Norfolk County.....	2	1	-----
Wyandotte County.....	-----	-----	3	Plymouth County.....	1	-----	-----
<b>Total.....</b>	<b>1</b>	<b>5</b>	<b>23</b>	Suffolk County—			
				Boston.....	2	6	12
<b>Louisiana:</b>				Chelsea.....	1	1	3
Acadia Parish.....	-----	1	-----	Worcester County.....	4	2	2
Assumption Parish.....	-----	1	3				
Caddo Parish.....	2	5	-----	<b>Total.....</b>	<b>15</b>	<b>23</b>	<b>30</b>
Calcasieu Parish.....	1	4	1				

## STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Minnesota:</b>				<b>Nebraska</b> .....	1	1	1
Becker County.....	1			<b>New Jersey:</b>			
Folk County.....	1			Bergen County.....	2	3	8
Redwood County.....	1			Burlington County.....	1		
Saint Louis County.....			1	Cumberland County.....	1	1	
Steele County.....			1	Essex County.....	27	37	46
Watonwan County.....	1			Gloucester County.....	1		1
<b>Total</b> .....	4		2	Hudson County.....	4	3	7
<b>Mississippi:</b>				Mercer County.....	3	1	1
Adams County.....	6		15	Middlesex County.....		9	
Alcorn County.....	33	35	58	Monmouth County.....		1	1
Amite County.....		11	12	Passaic County.....	3	9	8
Attala County.....		4		Union County.....			32
Bolivar County.....	7	96	38	<b>Total</b> .....	42	64	104
Carroll County.....		5	14	<b>New Mexico:</b>			
Chickasaw County.....	8	20	18	Chaves County.....		1	
Choctaw County.....	2			Curry County.....			1
Clay County.....	8	14	20	Dona Ana County.....		1	1
Coahoma County.....		27	68	Eddy County.....		1	
Copiah County.....	9	33	12	Grant County.....		1	
Covington County.....	16	28	21	Luna County.....		1	
De Soto County.....	6	63	41	Santa Fe County.....	1		
Forrest County.....	2			<b>Total</b> .....	1	5	2
Franklin County.....	2	5	3	<b>New York:</b>			
Greene County.....		21	36	Albany County.....		2	7
Grenada County.....	2	30	21	Allegany County.....		2	2
Harrison County.....	17	38	7	Broome County.....	2	5	9
Holmes County.....	17	41	67	Cattaraugus County.....		2	4
Itawamba County.....		12	6	Chautauqua County.....	1	3	
Jackson County.....	3	6	8	Cheung County.....		2	1
Jasper County.....	9		4	Cheung County.....		1	1
Jefferson Davis County.....	15	33	27	Delaware County.....	2	1	5
Jones County.....	26	120	20	Dutchess County.....			6
Lafayette County.....	4	9	44	Eric County.....	1	5	4
Lamar County.....	29		34	Jefferson County.....			1
Lauderdale County.....				Montgomery County.....	1	6	8
Lawrence County.....	12	6		New York City.....	72	108	106
Lee County.....	53	139	87	Oneida County.....		11	
Leflore County.....		58	78	Onondaga County.....		1	1
Lowndes County.....	2	5	33	Orange County.....			12
Marion County.....		49	51	Otsego County.....			1
Marshall County.....		10	25	Rensselaer County.....		7	
Monroe County.....	28	72		Rockland County.....		6	1
Montgomery County.....			10	Saint Lawrence County.....			9
Neshoba County.....			4	Saratoga County.....		2	
Newton County.....	3	8	9	Schenectady County.....	1		2
Noxubee County.....		3	17	Schoharie County.....		1	
Oktibbeha County.....	190		2	Suffolk County.....		1	1
Panola County.....		2	10	Tioga County.....		5	
Pearl River County.....		4	13	Ulster County.....			1
Pike County.....	16	32	4	Warren County.....			1
Pontotoc County.....			6	Washington County.....			1
Prentiss County.....			20	Westchester County.....	2	3	2
Quitman County.....			3	<b>Total</b> .....	87	174	186
Sharkey County.....	2	33		<b>North Dakota:</b>			
Simpson County.....			9	Emmons County.....	1		
Sunflower County.....	5	16	18	<b>Ohio:</b>			
Tallahatchie County.....		23	23	Allen County.....			1
Tate County.....	3	6	21	Carroll County.....		1	
Tippah County.....		15		Champaign County.....		1	
Tishomingo County.....		24	34	Clinton County.....	1		
Tunica County.....		28	26	Cuyahoga County.....	3	31	24
Walthall County.....	5		6	Franklin County.....	2		1
Warren County.....	15	13		Guernsey County.....		1	2
Washington County.....	10	10	14	Hamilton County.....		4	3
Webster County.....		1		Lawrence County.....	1	2	5
Wilkinson County.....		20	40	Lucas County.....			2
Yalobusha County.....		17	35	Medina County.....			3
Yazoo County.....		21					
<b>Total</b> .....	565	1,266	1,206				
<b>Montana</b> .....	5	3					

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Ohio—Continued.</b>				<b>Virginia—Continued.</b>			
Ottawa County.....	1	1		King William County.....		4	
Scioto County.....		3		Lancaster County.....	3	2	7
Stark County.....		4	6	Lee County.....	14	40	40
Summit County.....			1	Loudoun County.....		6	
Wayne County.....		1		Louisa County.....			19
Total.....	8	49	48	Lunenburg County.....			16
<b>Oklahoma:</b>				Madison County.....	13	11	20
Alfalfa County.....	5	23	11	Mathews County.....	5		
Choctaw County.....		6		Mecklenburg County.....	16	8	13
Custer County.....		6		Middlesex County.....	26	20	12
Mayes County.....	3	3		Montgomery County.....	45	8	35
McIntosh County.....		2	1	Nansemond County.....			3
Woods County.....	29		29	Nelson County.....	2	15	31
Total.....	37	40	41	Northampton County.....	12	45	46
<b>Oregon:</b>				Nottoway County.....		13	49
Lane County.....			1	Orange County.....	3	17	25
Marion County.....			1	Pago County.....	10	45	48
Umatilla County.....	1			Pittsylvania County.....	42	62	48
Union County.....			1	Powhatan County.....	10	5	12
Total.....	1		3	Prince Edward County.....			16
<b>South Carolina:</b>				Prince William County.....	13	13	31
Barnwell County.....		9		Princess Anne County.....	9	3	
Chester County.....			10	Pulaski County.....	8	9	8
Chesterfield County.....		9	2	Roanoke County.....	7	25	20
Darlington County.....	3	31	11	Rockbridge County.....	11	17	42
Dillon County.....	4	2		Rockingham County.....	11	52	63
Laurens County.....			4	Russell County.....			18
Pickens County.....			6	Scott County.....	12	1	35
York County.....			12	Shenandoah County.....	21	2	22
Total.....	7	51	45	Smyth County.....	2	3	14
<b>South Dakota:</b>				Southampton County.....	5		11
Lake County.....		4	7	Stafford County.....			2
<b>Virginia:</b>				Surry County.....	5	4	3
Accomac County.....	9	9	44	Tazewell County.....	13	41	14
Alleghany County.....	25	24	50	Warren County.....			73
Amelia County.....			23	Washington County.....	28	21	38
Augusta County.....	20	34	55	Westmoreland County.....			4
Bedford County.....	19	26	29	Wythe County.....	9	11	8
Bland County.....		10	5	<b>Total.....</b>	<b>546</b>	<b>802</b>	<b>1,500</b>
Botetourt County.....	4		2	<b>West Virginia:</b>			
Brunswick County.....			10	Grant County.....	3		
Buchanan County.....	4	6	6	Harrison County.....	8		
Buckingham County.....			18	Jackson County.....		1	
Campbell County.....	10	8	16	Kanawha County.....	7	17	
Caroline County.....	5	3		Lewis County.....		2	
Carroll County.....			5	McDowell County.....		1	
Charlotte County.....	15			Mason County.....	4		
Chesterfield County.....		4		Mercer County.....	4	2	
Clarke County.....			21	Mingo County.....	1		
Culpeper County.....	1	19	15	Monroe County.....		2	
Cumberland County.....			25	Nicholas County.....	3		
Dickenson County.....		11	5	Randolph County.....		7	
Dinwiddie County.....	8	6		Summers County.....	1		
Elizabeth City County.....			2	Tucker County.....		1	
Fauquier County.....		16	53	Upshur County.....	1		
Floyd County.....		3		Wyoming County.....		6	
Franklin County.....	11	19	65	Countries not stated.....			123
Frederick County.....		3	5	<b>Total.....</b>	<b>32</b>	<b>30</b>	<b>123</b>
Giles County.....		10	38	<b>Wisconsin:</b>			
Goochland County.....		8		Burnett County.....	1	1	7
Grayson County.....	4		29	Chippewa County.....	2	6	11
Greensville County.....	4	4	22	Columbia County.....		1	
Halifax County.....	5	8	19	Crawford County.....	3	7	3
Hanover County.....	12	21	25	Dane County.....	1		1
Henrico County.....	22	14	45	Dunn County.....			2
Henry County.....	13	33	24	Eau Claire County.....			2

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported		
	Oct.	Nov.	Dec		Oct.	Nov.	Dec
<b>Wisconsin—Continued.</b>				<b>Wisconsin—Continued.</b>			
Kenosha County.....		1	2	Taylor County.....			3
Manitowoc County.....		1		Trempealeau County.....		1	3
Milwaukee County.....		1		Vernon County.....	1	4	23
Monroe County.....	2	27	8	Vilas County.....	3		2
Ozaukee County.....			2	Waukesha County.....			3
Pierce County.....	24		6	<b>Total.....</b>	47	73	109
Pelk County.....		1		<b>Wyoming:</b>			
Price County.....			4	Johnson County.....		2	14
Racine County.....	2			Washakie County.....		6	
Sauk County.....	1	1		<b>Total.....</b>		8	14
Shawano County.....		2	19				
Sheboygan.....	3	6					

## LEPROSY.

<b>Arizona:</b>				<b>Hawaii—Continued.</b>			
Gila County.....			1	Oahu.....	2	2	3
<b>Arkansas:</b>				<b>Total.....</b>	5	5	5
Hot Springs.....		1		<b>Louisiana:</b>			
<b>California:</b>				New Orleans.....	3	1	
Sacramento.....	1			<b>Maryland:</b>			
San Francisco.....	1				1		
<b>Total.....</b>	2			<b>Massachusetts:</b>			
<b>Hawaii:</b>				Plymouth County—			
Hawaii.....	1	1	1	Wareham.....		1	
Kauai.....		1		<b>Nebraska:</b>			
Maui.....	2	1	1		1		
				<b>Pennsylvania:</b>			
				Philadelphia.....			
				Schuylkill County—			
				Sherandoah.....		1	
				<b>Total.....</b>	1	1	

## LETHARGIC ENCEPHALITIS.

<b>Alabama.....</b>				<b>Minnesota.....</b>			
Connecticut.....	2	3		Montana.....		1	1
District of Columbia.....	3		2	Nebraska.....	1	1	
Idaho.....	1			New York.....	57	35	30
Illinois.....	2	9	3	North Dakota.....	1	2	4
Kansas.....		2	1	Oklahoma.....			1
Louisiana.....	2	2		Oregon.....	1		2
Maryland.....	3	6	2	Pennsylvania.....	9	1	7
Massachusetts.....	9	7	3	Washington.....	2		1
Michigan.....	6		2	Wisconsin.....	2	4	2

## MALARIA.

<b>Alabama:</b>				<b>Alabama—Continued.</b>			
Autauga County.....	6	5	1	Dale County.....	7	5	2
Baldwin County.....	26	16	1	Dallas County.....	49	13	2
Barbour County.....	9	2		De Kalb County.....	3		
Bibb County.....	14	3		Escambia County.....	10	4	
Blount County.....	2			Etowah County.....	27	7	2
Bullock County.....	25	5	3	Fayette County.....	33	23	
Eutler County.....	1	1		Franklin County.....	53	28	
Calhoun County.....	18		1	Geneva County.....	9	4	4
Chambers County.....		2		Hale County.....	23		3
Cherokee County.....	5	2	1	Henry County.....	16	6	
Chilton County.....	3	2		Houston County.....	27	3	2
Choctaw County.....	23	2		Jackson County.....	3		1
Clarke County.....	21	8	7	Jefferson County.....	68	31	25
Coffee County.....	6			Lamar County.....	7	1	1
Colbert County.....	6	4	2	Lauderdale County.....	2	6	1
Coosa County.....	2		1	Lawrence County.....	30	16	4
Covington County.....	9	38	12	Limestone County.....	23	5	1
Crenshaw County.....	7	6	4	Lowndes County.....	8	1	
Cullman County.....	6	1		Macou County.....	1		1

**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.**

**MALARIA—Continued.**

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Alabama—Continued.</b>				<b>California:</b>			
Madison County.....	45	25	3	Alameda County.....		2	1
Marengo County.....	53	33	13	Colusa County.....	2		2
Marion County.....	6			Contra Costa County.....			1
Marshall County.....	1			Glenn County.....	2		
Mobile County.....	18	12	6	Humboldt County.....	3	1	
Monroe County.....	18	2	4	Los Angeles County.....	8	2	
Montgomery County.....	26	4	1	Placer County.....	3		
Morgan County.....	66	6	5	Riverside County.....		2	
Perry County.....	1		2	Sacramento County.....	5		
Pickens County.....	22	1		San Diego County.....	1		
Randolph County.....	1	1		San Francisco County.....	3	2	
Russell County.....	1		1	San Joaquin County.....	4	1	
Saint Clair County.....	16	1		Shasta County.....	2		7
Shelby County.....	6	11	2	Stanislaus County.....			1
Sumter County.....	46	13	5	Tulare County.....	2		
Talladega County.....	9	3		Ventura County.....	1		
Tallapoosa County.....	2		2	Yuba County.....		1	
Tuscaloosa County.....	35	1		Yolo County.....	1		
Walker County.....	95	16		<b>Total.....</b>	<b>37</b>	<b>11</b>	<b>12</b>
Washington County.....	20	6	3				
Wilcox County.....	12	4		<b>Connecticut:</b>			
Winston County.....	5	2		Hartford County.....	3		
<b>Total.....</b>	<b>1,095</b>	<b>392</b>	<b>129</b>	New Haven County.....	2	1	
				<b>Total.....</b>	<b>5</b>	<b>1</b>	
<b>Arkansas:</b>				<b>Delaware:</b>			
Ashley County.....	12	10	1	New Castle County.....		1	
Baxter County.....	30	23	18	Sussex County.....	6		
Benton County.....	1	1		<b>Total.....</b>	<b>6</b>	<b>2</b>	
Calhoun County.....	3	3					
Carroll County.....	9	1		<b>Florida:</b>			
Clark County.....			3	Alachua County.....	3	4	2
Cleveland County.....	14	3		Baker County.....		2	1
Conway County.....	15	3	1	Bay County.....			2
Craighead County.....	7	8	2	Brevard County.....			2
Crawford County.....	3	1		Calhoun County.....		1	
Cross County.....	4	1	1	Charlotte County.....			1
Drew County.....	55	13	13	Citrus County.....	4		4
Faulkner County.....	6	3	3	Clay County.....	2		1
Franklin County.....	2	2		Columbia County.....	1	2	
Grant County.....		5	5	Dade County.....	1		3
Greene County.....	10	2		De Soto County.....	2		
Hempstead County.....	35	13	2	Duval County.....	10	4	12
Hot Spring County.....	30	13		Escambia County.....			3
Howard County.....	2	4		Flagler County.....		1	
Independence County.....	50	2		Franklin County.....	1	1	1
Izard County.....	11	3	1	Gadsden County.....	8	17	8
Lafayette County.....	23	21	2	Hamilton County.....	1	1	1
Lawrence County.....	16		1	Hardee County.....	5	1	1
Lee County.....	119	93	39	Hernando County.....		4	
Leake County.....	2		1	Highlands County.....	1	5	
Madison County.....	11	3	5	Hillsborough County—			
Miller County.....	3			Tampa.....	15	3	10
Mississippi County.....	29	3		Scattering.....	17	8	9
Monroe County.....	20	12	1	Holmes County.....	1	1	
Montgomery County.....	12	7	7	Jackson County.....	5	9	14
Ouachita County.....	72	39	16	Jefferson County.....		2	10
Perry County.....	13	1		Lafayette County.....		1	1
Pike County.....	2			Lake County.....	2		
Poinsett County.....	10		16	Leon County.....	18	6	16
Pulaski County.....	37	10	8	Levy County.....	6		5
Randolph County.....	8	5	2	Liberty County.....	1		
St. Francis County.....	18	10	5	Madison County.....	3	5	9
Saline County.....	13		3	Marion County.....	4	3	3
Scott County.....	5		1	Monroe County.....		1	
Sebastian County.....	36	4	5	Nassau County.....			1
Sharp County.....	23	6	11	Okaloosa County.....			2
Union County.....	44	32	17	Orange County.....	3	2	2
Van Buren County.....	1		1	Palm Beach County.....	1		1
Washington County.....		1		Pasco County.....	2	9	12
White County.....	1			Pinellas County.....	5	7	6
Woodruff County.....	24	1		Polk County.....	12	13	12
<b>Total.....</b>	<b>841</b>	<b>362</b>	<b>191</b>				

## STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Florida—Continued.</b>				<b>Massachusetts:</b>			
Putnam County	1	4		Essex County	1		
Santa Rosa County			1	Middlesex County			1
St. Johns County	10			Norfolk County	1		
St. Lucie County	3	1		Suffolk County		1	
Seminole County	5	1	1	<b>Total</b>	<b>2</b>	<b>1</b>	<b>1</b>
Sumter County	2	2	1				
Suwannee County	3	3	5	<b>Mississippi:</b>			
Taylor County		1	9	Adams County	19	15	21
Union County			1	Alcorn County	84	74	22
Volusia County	7		5	Amite County	33	19	19
Wakulla County	1			Attala County	93	24	29
Washington County			2	Benton County	8	9	
<b>Total</b>	<b>165</b>	<b>125</b>	<b>180</b>	Bolivar County	718	358	178
				Calhoun County	60	32	
<b>Illinois:</b>				Carroll County	73	36	31
Cass County		1		Chickasaw County	45	25	6
Cook County		2		Choctaw County	28	15	6
Hancock County	1			Claiborne County	55	29	28
Lawrence County		1		Clarke County	34	53	8
Madison County	1			Clay County	125	57	10
Ogle County			3	Coahoma County	481	241	144
<b>Total</b>	<b>2</b>	<b>4</b>	<b>3</b>	Copiah County	203	113	38
				Covington County	36	24	12
<b>Kansas:</b>				De Soto County	78	56	
Sumner County		1		Forrest County	48	9	7
				Franklin County	116	51	16
<b>Louisiana:</b>				George County	42	30	14
Acadia Parish	3			Greene County	80	38	19
Allen Parish		2		Grenada County	23	37	18
Ayoelles Parish	3	1		Hancock County	71	49	33
Caddo Parish	2			Harrison County	9	9	3
Catahoula Parish	2			Hinds County	269	124	84
Concordia Parish	5			Holmes County	537	314	79
De Soto Parish	1	6	3	Humphreys County	280	199	131
East Baton Rouge Parish			1	Issaquena County	46	40	22
East Carroll Parish	1			Itawamba County	15	26	11
Evangeline Parish		1		Jackson County	34	23	15
Franklin Parish	2	2		Jasper County	49	24	26
Grant Parish	2	1		Jefferson County	67	38	10
La Fourche Parish	1			Jefferson Davis County	54	36	21
La Salle Parish	1			Jones County	54	26	10
Livingston Parish	1			Kemper County	58	18	17
Morehouse Parish		1		Lafayette County	117	74	64
Natchitoches Parish	11		1	Lamar County	11	20	15
Orleans Parish	21	12	4	Lauderdale County	75	41	34
Ouachita Parish	1			Lawrence County	56	44	46
Rapides Parish	7	4		Leake County		30	29
Red River Parish	2			Lee County	246	70	36
Riehland Parish	50			Leflore County	1,043	397	197
St. Helena Parish	1			Lincoln County	24	23	11
St. James Parish		1		Lowndes County	113	60	64
St. John the Baptist Parish	1			Madison County	60	44	19
St. Landry Parish			3	Marion County	96	67	22
St. Mary Parish	2			Marshall County	24	8	8
Tangipahoa Parish	6			Monroe County	355	137	49
Tensas Parish			91	Montgomery County	65	50	45
Terrebonne Parish			1	Neshoba County	43	67	63
Vernon Parish	1			Newton County	29	14	17
Washington Parish	27			Noxube County	61	29	15
Webster Parish	2			Oktibbeha County	102	96	56
West Baton Rouge Parish	1			Panola County	109	45	14
<b>Total</b>	<b>155</b>	<b>32</b>	<b>104</b>	Pearl River County	53	45	26
				Perry County	28	8	8
				Pike County	96	30	30
				Pontotoc County			63
<b>Maryland:</b>				Prentiss County		26	20
Anne Arundel County	1			Quitman County	331	70	64
Baltimore City	6	3	3	Rankin County			11
Charles County	5			Scott County	92	54	47
Wicomico County—				Sharkey County	142	54	45
Salisbury	13			Simpson County	118	33	23
Sharps Point	1			Smith County	48	48	8
Worcester County	2			Stoue County	23	1	13
<b>Total</b>	<b>28</b>	<b>3</b>	<b>3</b>	Stuflor County	821	348	351
				Tallahatchie County	475	174	52

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Mississippi—Continued.				South Carolina:			
Tate County.....	91	45	45	Cherokee County.....			3
Tippah County.....	52	29	2	Chester County.....	1		
Tishomingo County.....	96	41	87	Darlington County.....	9		
Tunica County.....	267	199	175	Pickens County.....			2
Union County.....	63	19	17	Union County.....	20	6	
Walthall County.....	5	10	2	Total.....	30	6	5
Warren County.....	130	107	85	Virginia:			
Washington County.....	253	164	94	Accomac County.....	4	1	14
Wayne County.....	50	60	20	Amelia County.....		1	
Webster County.....	34	28	15	Appomattox County.....	2	1	
Wilkinson County.....	96	46	9	Bedford County.....	2		
Winston County.....	140	150	120	Brunswick County.....	7	2	1
Yalobusha County.....	69	29	13	Buckingham County.....	2		1
Yazoo County.....	289	144	94	Campbell County.....	1		
Total.....	10,516	5,539	3,327	Caroline County.....	3	2	
New Jersey:				Charles City County.....	3	2	
Essex County.....		1	1	Charlotte County.....	2		
Hudson County.....	1			Chesterfield County.....	2	2	
Monmouth County.....	2			Cumberland County.....	6	4	
Somerset County.....	1	1		Dinwiddie County.....	2		
Total.....	4	2	1	Elizabeth City County.....	3	2	
New Mexico:				Essex County.....	2	2	1
Chaves County.....	5	1		Franklin County.....	3		
Dona Ana County.....	3			Fauquier County.....			1
Total.....	8	1		Gloucester County.....		1	1
New York:				Greensville County.....	22	17	17
Dutchess County.....	9	18		Hallifax County.....	36	5	5
Montgomery County.....	1			Hanover County.....	1		
New York City.....	5		3	Henrico County.....	5	5	
Ulster County.....	1			Isle of Wight County.....	30	16	9
Westchester County.....	1			James City County.....			8
Total.....	17	18	3	King and Queen County.....	6	2	
Ohio:				King George County.....	20	5	
Carroll County.....	1			King William County.....	3	1	
Clermont County.....	1			Lunenburg County.....	18	2	3
Cuyahoga County.....		1	1	Mathews County.....			1
Hamilton County.....	1			Mecklenburg County.....	4	6	
Total.....	3	1	1	Middlesex County.....	9	9	2
Oklahoma:				Nansemond County.....	8		
McIntosh County.....		1		New Kent County.....	7		2
Mayes County.....	2	5		Northampton County.....	22	18	10
Pittsburg County.....		55		Northumberland County.....	4	4	4
Total.....	2	61		Nottoway County.....	7	2	1
Pennsylvania:				Orange County.....		1	
Mifflin County.....		1		Page County.....	1		
Philadelphia County.....	4	2	1	Pittsylvania County.....	16	7	2
Total.....	4	3	1	Powhatan County.....	6	4	6
Rhode Island:				Prince Edward County.....		2	1
Providence County.....		1		Prince George County.....	1		
				Prince William County.....	2		1
				Princess Anne County.....	16	4	3
				Rappahannock County.....		10	
				Richmond County.....		2	
				Southampton County.....	10	9	5
				Stafford County.....	3		1
				Surry County.....	26	4	1
				Sussex County.....	2	1	4
				Warwick County.....	5	6	2
				Westmoreland County.....	2	7	1
				York County.....	11	4	
				Total.....	343	174	108



# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## OCCUPATIONAL DISEASES AND DISABILITIES.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Connecticut:</b>				<b>Massachusetts—Continued.</b>			
Aniline poisoning.....		1		Nitrous poisoning.....		1	
Lead poisoning.....	6		2	<b>Total</b> .....	7	10	4
Mercury poisoning.....	1	1		<b>New Jersey:</b>			
Occupational dermatitis.....	6		5	Lead poisoning.....	4	1	5
Oil acne.....	1			<b>Ohio:</b>			
Pneumo-koniosis.....	24	7		Dermatitis (rubber).....	33	19	37
Ulcer (intestinal).....		1		Poisoning—			
<b>Total</b> .....	38	10	7	Carbon monoxide.....			1
<b>Illinois:</b>				Lead.....	5	8	8
Lead poisoning.....	8		29	<b>Total</b> .....	38	27	46
<b>Massachusetts:</b>				<b>Pennsylvania:</b>			
Dermatitis.....	1			Lead poisoning.....	1		
Lead poisoning.....	6	9	4				

### PELLAGRA.

<b>Alabama:</b>				<b>Florida:</b>			
Baldwin County.....			1	Alachua County.....			1
Calhoun County.....	1	1		Bay County.....		1	
Conecuh County.....	1			Duval County.....			2
Coosa County.....		1		Escambia County.....			2
Crenshaw County.....	1			Gadsden County.....		6	4
Dallas County.....	2			Hardee County.....			1
Geneva County.....			1	Jackson County.....	1		
Jackson County.....			1	Liberty County.....		1	
Jefferson County.....	2	4	3	Madison County.....		1	
Lawrence County.....	1			Marion County.....			1
Lee County.....			1	Orange County.....	1		
Lowndes County.....	2			Palm Beach County.....	1		1
Madison County.....			1	Pasco County.....			1
Marengo County.....	2			Pinellas County.....		1	
Mobile County.....			1	Polk County.....		2	
Monroe County.....	1			Futnam County.....			1
Morgan County.....	1	2		Seminole County.....		1	
Perry County.....	1			<b>Total</b> .....	3	13	14
Sumter County.....	4		3	<b>Louisiana:</b>			
Tuscaloosa County.....	5	7		Caddo Parish.....	1		
Wilcox County.....	5	1		De Soto Parish.....	1		
<b>Total</b> .....	24	16	12	Orleans Parish.....	3	4	
<b>Arkansas:</b>				Rapides Parish.....	2	2	
Ashley County.....	1	1		Vernon Parish.....			1
Drew County.....	19	8	7	Washington Parish.....	1		
Hempstead County.....	1			Webster Parish.....	1		
Howard County.....	2	1		<b>Total</b> .....	9	6	1
Independence County.....	2			<b>Massachusetts:</b>			
Lafayette County.....	2			Middlesex County.....			1
Lee County.....	4	2		Suffolk County.....		3	1
Logan County.....		1		<b>Total</b> .....		3	2
Lonoke County.....	1			<b>Mississippi:</b>			
Onachita County.....	14	8	3	Adams County.....	6	2	3
Pulaski County.....		4		Alcorn County.....		2	2
St. Francis County.....	2	1	2	Amite County.....	1		
Sebastian County.....	1		1	Attala County.....	2		
<b>Total</b> .....	49	26	13	Benton County.....		3	1
<b>California:</b>				Bolivar County.....	26	9	13
Alameda County.....	1		1	Carroll County.....	1	1	1
Fresno County.....		1		Chickasaw County.....	4	1	2
Los Angeles County.....	2	1		Clarke County.....		3	5
Orange County.....	1			Clay County.....	1		
Riverside County.....			1	Coahoma County.....	8	11	3
San Bernardino County.....			1	Copiah County.....	6	5	
Santa Clara County.....		2		Covington County.....	1	3	2
San Francisco County.....			1	De Soto County.....	3	3	
<b>Total</b> .....	4	4	4	Forrest County.....	9	1	

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

PELLAGRA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Mississippi—Continued.				Mississippi—Continued.			
Franklin County.....		2	-----	Wayne County.....		1	-----
George County.....	5	5	6	Webster County.....		4	-----
Greene County.....	1	-----	-----	Wilkinson County.....	2	4	-----
Grenada County.....			2	Winston County.....		1	-----
Harrison County.....			4	Yazoo County.....	3	5	3
Hinds County.....	11	6	4	Total.....	265	184	146
Holmes County.....		9	6	New Mexico:			
Humphreys County.....	5	3	2	Bernalillo County.....	1	-----	-----
Jackson County.....	2	4	2	Oklahoma:			
Jasper County.....	2	-----	-----	Oklahoma County.....			1
Jefferson County.....	3	-----	1	Pawnee County.....	1	-----	-----
Jefferson Davis County.....	2	7	1	Total.....	1	-----	-----
Jones County.....	6	6	4	Pennsylvania:			
Lafayette County.....	1	1	1	Philadelphia County.....	1	-----	1
Lamar County.....		1	-----	South Carolina:			
Lauderdale County.....	5	3	1	Laurens County.....			1
Lawrence County.....	1	1	1	Virginia:			
Leake County.....			9	Alleghany County.....		1	-----
Lee County.....	2	2	2	Buckingham County.....			1
Leflore County.....	11	4	6	Carroll County.....	2	-----	-----
Lincoln County.....	6	5	3	Culpeper County.....		1	-----
Lowndes County.....	2	1	1	Floyd County.....	1	-----	-----
Madison County.....	2	2	1	Frayson County.....			2
Marion County.....	2	-----	-----	Greene County.....		1	-----
Marshall County.....		1	2	Henry County.....		1	-----
Monroe County.....	3	3	1	Lee County.....	1	-----	-----
Montgomery County.....	2	3	3	Louisa County.....	1	-----	-----
Neshoba County.....	1	1	-----	Lunenburg County.....		1	-----
Newton County.....	2	4	1	Mecklenburg County.....	1	1	2
Noxubee County.....		1	3	Middlesex County.....		1	-----
Okibbeha County.....		1	-----	Montgomery County.....		1	-----
Panola County.....	2	-----	1	Northumberland County.....			-----
Pearl River County.....	2	1	1	Patrick County.....	4	-----	-----
Pike County.....	1	1	-----	Pittsylvania County.....	1	-----	-----
Pontotoc County.....			1	Princess Anne County.....		1	-----
Pretiss County.....		2	-----	Prince William County.....		1	-----
Quitman County.....		3	-----	Pulaski County.....	1	-----	-----
Scott County.....	30	-----	2	Southampton County.....	1	2	1
Sharkey County.....	6	-----	1	Washington County.....	1	1	-----
Simpson County.....		2	2	Total.....	15	13	7
Stone County.....			2				
Sunflower County.....	24	9	15				
Tallahatchie County.....	8	3	2				
Tate County.....		2	-----				
Tippah County.....	1	6	-----				
Tishomingo County.....	1	1	1				
Tunica County.....	9	4	2				
Warren County.....	3	4	4				
Washington County.....	28	14	9				

POLIOMYELITIS (INFANTILE PARALYSIS).

Alabama:				California:			
Jefferson County.....			1	Alameda County.....	4	3	1
Marion County.....	2	-----	-----	Colusa County.....			1
Total.....	2	-----	1	Contra Costa County.....			1
Arizona:				Fresno County.....	2	2	3
Cochise County.....	1	-----	-----	Kern County.....	1	1	4
Mohave County.....		1	-----	Kings County.....	3	-----	1
Total.....	1	1	-----	Lassen County.....	1	-----	-----
Arkansas:				Los Angeles County—			
Calhoun County.....	2	1	-----	Los Angeles.....	25	8	6
Drew County.....		1	-----	Scattering.....	30	13	5
Pulaski County.....	1	-----	-----	Monterey County.....		1	-----
Total.....	3	2	-----	Napa County.....	1	-----	-----
				Nevada County.....	1	-----	-----
				Orange County.....	2	2	1
				Placer County.....	1	1	-----
				Riverside County.....	1	-----	-----
				Sacramento County.....	4	-----	-----
				San Benito County.....	1	-----	-----

**STATE REPORTS FOR OCTOBER, NOVEMBER,, AND DECEMBER,  
1923—Continued.**

**POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.**

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>California—Continued.</b>				<b>Illinois—Continued.</b>			
San Bernardino County	2			Rock Island County	1	1	1
San Diego County		1	3	Sangamon County	5	1	
San Francisco County	1	1		Vermillion County	2		
San Joaquin County	3	1		Winnebago County		1	
Santa Barbara County	2	2		<b>Total</b>	<b>63</b>	<b>15</b>	<b>6</b>
Santa Clara County	1	1	1	<b>Indiana:</b>			
Siskiyou County	1			Benton County			1
Sonoma County	1			Dearborn County		1	
Stanislaus County			1	Delaware County			1
Tahama County	1			Lake County	2		
Tulare County		2		St. Joseph County		1	1
Ventura County	1			Tippecanoe County	1	1	
Yolo County	1			Vigo County		1	
<b>Total</b>	<b>91</b>	<b>39</b>	<b>28</b>	Warren County	1		
<b>Colorado:</b>				White County		1	
Denver County	1			<b>Total</b>	<b>4</b>	<b>4</b>	<b>3</b>
Huerfano County			1	<b>Iowa:</b>			
<b>Total</b>	<b>1</b>		<b>1</b>	Audubon County	1	1	
<b>Connecticut:</b>				Black Hawk County	1		
Fairfield County	2	3	1	Madison County		1	
Hartford County	4	1		Muscatine County		1	
Litchfield County			1	Pottawattamie County	2		
Middlesex County	1	3	2	Taylor County	1		
New Haven County	8	2	2	Woodbury County	1		
New London County	2			<b>Total</b>	<b>7</b>	<b>2</b>	
Windham County			1	<b>Kansas:</b>			
<b>Total</b>	<b>17</b>	<b>9</b>	<b>7</b>	Atchison County		1	
<b>District of Columbia</b>	<b>10</b>	<b>4</b>	<b>1</b>	Brown County	2		
<b>Florida:</b>				Clay County	2		
Gadsden County		2		Coiley County	1		
Liberty County	1			Cowley County	1		
Marion County	2			Edwards County			1
<b>Total</b>	<b>3</b>	<b>2</b>		Ellsworth County	1		
<b>Idaho:</b>				Franklin County	1		
Bingham County	1			Gove County		1	
<b>Illinois:</b>				Gray County		1	
Bond County	1			Greenwood County	1		
Boone County	2			Jackson County	1		
Bureau County			1	Jefferson County	1		1
Cass County	1			Montgomery County		1	
Champaign County	2	2		Morris County	1		
Christian County	1			Reno County	2		
Clinton County	1			Saline County		1	
Coles County	1			Sedgewick County		2	
Cook County	27	6	2	Shawnee County	3		
Cumberland County	1			Washington County	1		
De Kalb County	1			Wyandotte County	1		
Douglas County	1			<b>Total</b>	<b>19</b>	<b>7</b>	<b>2</b>
Effingham County	1			<b>Louisiana:</b>			
Fayette County	2			Assumption Parish	1		
Ford County	1			Caddo Parish		1	
Iroquois County	1			Orleans Parish	1		
Jackson County	1			<b>Total</b>	<b>2</b>	<b>1</b>	
Kane County	2			<b>Maine:</b>			
Kankakee County	1	1		Cumberland County		1	
Lake County			1	Kennebec County	1		
Macon County	2			Penobscot County			1
Macoupin County		1		<b>Total</b>	<b>1</b>	<b>1</b>	<b>1</b>
Madison County			1	<b>Maryland:</b>			
Mason County		1		Baltimore City		2	
Morgan County	3			Frederick County	1		
Ogle County	1			Montgomery County	1		
Piatt County	1						
Pike County		1					

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

Place.	New cases reported.			Place	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Maryland—Continued.				Nebraska.....	18	8	1
Prince Georges County.....		3		New Jersey:			
Queen Annes County.....		1		Bergen County.....	11	3	1
St. Marys County.....			1	Essex County.....	26	15	8
Total.....	2	6	1	Hudson County.....	4	4	
Massachusetts:				Lunterdon County.....	1	1	
Barnstable County.....	1			Mercer County.....	3	2	1
Berkshire County.....	2	1		Monmouth County.....		1	
Bristol County.....	1	2		Morris County.....	6		
Essex County.....	2	7	5	Fassaic County.....	1		
Hampden County.....	9	2		Sussex County.....	3		
Middlesex County—				Union County.....	4	3	1
Lowell.....	10	12	6	Total.....	59	29	11
Scattering.....	8	6	6	New Mexico:			
Norfolk County.....	1		1	Guadalupe County.....	1		
Plymouth County.....		2	1	New York:			
Suffolk County—				Albany County.....	1		
Boston.....	11	8	5	Allegany County.....		1	
Scattering.....	2			Brcome County.....	7	3	3
Worcester County.....	1		1	Cattaraugus County.....	2		
Total.....	48	40	25	Chautauqua County.....	2		
Michigan:				Chemung County.....	4		1
Berrien County.....	1	1		Chenango County.....	8		
Gcnese County.....	1			Columbia County.....			1
Kalamazoo County.....	1	1		Cortland County.....	1	1	
Kent County.....				Delaware County.....	6	3	1
Livingston County.....	1			Dutchess County.....	2	3	1
Montcalm County.....		1		Eric County.....	6	1	
Wayne County.....	2	1		Genesee County.....	1		
Total.....	7	4		Livingston County.....	1		2
Minnesota:				Monroe County.....	2	1	
Anoka County.....		1		Montgomery County.....		1	
Big Stone County.....	1			Nassau County.....	3	1	
Blue Earth County.....	2		2	New York City.....	95	30	12
Carver County.....			1	Niagara County.....	1		
Crow Wing County.....		1		Oneida County.....	3	1	
Hennepin County.....	1			Onondaga County.....	2	1	
Lake County.....			1	Orange County.....	2	3	1
Marshall County.....	1			Orleans County.....	2		
Martin County.....	1			Oswego County.....			1
Murray County.....		1		Otsego County.....	10	6	4
Olmsted County.....	2	2	1	Rensselaer County.....			1
Pipestone County.....	1			Rockland County.....	2	2	
Pope County.....	1			Saratoga County.....		1	
Ramsey County.....	1			Schenectady County.....		2	
Redwood County.....			1	Schoharie County.....	1		
Rice County.....	1			Schuyler County.....	3	4	
St. Louis County.....	1			Steuben County.....	3	3	
Stearns County.....		1		Suffolk County.....	3	1	
Wabasha County.....		1		Sullivan County.....	6		
Watonwan County.....	1			Tompkins County.....	2		
Total.....	14	7	6	Ulster County.....	3		
Mississippi:				Wayne County.....		1	
De Soto County.....	4			Westchester County.....	13	1	5
Harrison County.....			1	Wyoming County.....	4	4	3
Hinds County.....	1			Total.....	197	75	36
Jasper County.....	1			North Carolina:			
Kemper County.....	1			Buncombe County.....		1	
Oktibbeha County.....		3		Forsyth County.....		1	
Total.....	7	3	1	Sampson County.....		1	
Montana:				Surry County.....			2
Daniels County.....		1		Total.....		3	2
Flathead County.....		1		North Dakota:			
Richland County.....	1	1		Burleigh County.....	1		
Sanders County.....		1		Eddy County.....	1	1	
Total.....	1	4		Golden Valley County.....		2	2
				Williams County.....	1	1	
				Total.....	3	4	2

**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER,  
1923—Continued.**

**POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.**

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Ohio:</b>				<b>South Dakota—Continued.</b>			
Auglaize County.....		1		Moody County.....	2	1	
Champaign County.....	3			Sanborn County.....	2	1	
Columbiana County.....	1			Spink County.....	1	1	
Cuyahoga County.....	4		1	<b>Total.....</b>	<b>8</b>	<b>3</b>	
Darke County.....		1		<b>Vermont:</b>			
Fayette County.....	1			Chittenden County.....	2		
Franklin County.....	2			Orange County.....	3		
Guernsey County.....	4			Rutland County.....	1		
Hamilton County.....	3		1	Windham County.....	1		1
Holmes County.....	1			<b>Total.....</b>	<b>7</b>		<b>1</b>
Lawrence County.....	2			<b>Virginia</b>			
Madison County.....	1		1	Amelia County.....			1
Mahoning County.....	1			Arlington County.....		1	
Pike County.....	1			Buchanan County.....	1		
Summit County.....	1			Caroline County.....			1
<b>Total.....</b>	<b>25</b>	<b>1</b>	<b>4</b>	Dickenson County.....	2		
<b>Oklahoma:</b>				Fairfax County.....	2	2	
Custer County.....	1			Giles County.....	1	1	
Tulsa County.....	1			Grayson County.....			1
<b>Total.....</b>	<b>2</b>			Greensville County.....	1		
<b>Oregon:</b>				Henry County.....		1	
Clackamas County.....			1	Madison County.....			1
<b>Pennsylvania:</b>				Powhatan County.....	1		
Allegheny County.....	3	1		Prince William County.....	1		
Berks County.....	1			Palaski County.....	1		
Bradford County.....		1		Scott County.....		1	
Bucks County.....	1			Wythe County.....		1	
Cambria County.....		1		<b>Total.....</b>	<b>10</b>	<b>7</b>	<b>4</b>
Crawford County.....	1			<b>Washington:</b>			
Dauphin County.....	3			King County.....		1	
Erie County.....		2		Snohomish County.....			1
Huntingdon County.....		1		Whitman County.....			1
Lackawanna County.....		1		Whatcom County.....			1
Lehigh County.....	2			<b>Total.....</b>		<b>1</b>	<b>3</b>
Luzerne County.....	8	1		<b>West Virginia:</b>			
Monroe County.....	2			Berkeley County.....	1		
Philadelphia County.....	6	3	1	Harrison County.....	1		
Potter County.....	3			County not stated.....			2
Somerset County.....	4			<b>Total.....</b>	<b>2</b>		<b>2</b>
Sullivan County.....	1			<b>Wisconsin:</b>			
Tioga County.....	1	18		Ashland County.....		1	
Wayne County.....	3			Douglas County.....	1		
Westmoreland County.....	2			Milwaukee County.....	3	3	4
Wyoming County.....	4	2		Racine County.....	1		
<b>Total.....</b>	<b>45</b>	<b>31</b>	<b>1</b>	Sauk County.....	1		
<b>Rhode Island:</b>				Sheboygan County.....		2	
Providence County.....	1	1		Taylor County.....	1		
<b>South Carolina:</b>				Vernon County.....	1		
Oconee County.....		1		Washburn County.....	1		
<b>South Dakota:</b>				Waushara County.....			1
Beadle County.....	1			<b>Total.....</b>	<b>9</b>	<b>6</b>	<b>5</b>
Day County.....	1						
Miner County.....	1						

**ROCKY MOUNTAIN SPOTTED OR TICK FEVER,**

<b>California:</b>				<b>Montana—Continued.</b>			
Inyo County.....		1		Ravalli County.....			1
<b>Montana:</b>				<b>Total.....</b>		<b>2</b>	<b>1</b>
Carter County.....		1		<b>Washington:</b>			
Garfield County.....		1		Whitman County.....	1		

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

SMALLPOX.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Alabama:</b>				<b>Connecticut:</b>			
Autauga County		1	21	Hartford County		2	1
Chambers County			3	<b>District of Columbia</b>	4	25	14
Cherokee County	1	3	2	<b>Florida:</b>			
Dallas County		4	1	Dade County			3
Houston County			1	Duval County			3
Jefferson County	1	2	14	Gadsden County			9
Lamar County	6	2		Leon County		6	4
Marshall County		1		Manatee County			1
Morgan County			3	Pinellas County		1	
Russell County			4	St. Johns County		1	
Total	8	13	49	Total		8	20
<b>Arizona:</b>				<b>Idaho:</b>			
Maricopa County			2	Ada County			1
Yavapai County	1			Adams County	2	2	
Total	1		2	Boise County			1
<b>Arkansas:</b>				Boundary County			1
Arkansas County			2	Canyon County		1	
Ashley County		7	2	Kootenai County		1	7
Benton County		1		Madison County		1	
Bradley County	1			Twin Falls County	1		
Calhoun County			6	Valley County			7
Clark County			2	Total	3	5	17
Grant County		2		<b>Illinois:</b>			
Mississippi County			4	Alexander County		1	1
Ouachita County	1	5	10	Bureau County			1
Perry County	2			Champaign County			3
Pike County	1		2	Coles County		2	
Pulaski County	1	1		Cook County	3	2	8
St. Francis County		1		Fulton County		1	
Union County	4	12	16	Hancock County			1
Total	10	29	44	Hardin County	24		
<b>California:</b>				Kane County			1
Alameda County	1	1		La Salle County		1	
Fresno County	1	4		Marion County		1	
Glenn County			1	Massac County		1	1
Imperial County	5			Mercer County			1
Inyo County	1		4	Perry County		1	
Kern County		18		St. Clair County		1	
Kings County			1	Stephenson County	1	3	
Lassen County	1	2	1	Tazewell County			1
Los Angeles County—				Vermilion County			3
Alhambra			14	Total	28	13	21
Long Beach	4	9	48	<b>Indiana:</b>			
Los Angeles	101	164	247	Adams County	14		
Pomona	7	10	18	Allen County	3	3	27
Scattering	58	141	132	Cass County	1		
Nevada County		1		Clark County			3
Orange County	4	7	41	Decatur County		6	1
Placer County			1	De Kalb County			1
Riverside County	1	6		Delaware County	8	23	89
San Benito County			1	Elkhart County		11	2
San Bernardino County	1	1	1	Fayette County	11	19	4
San Diego County	1		2	Fountain County			2
San Francisco County	1		2	Franklin County		1	
Shasta County	1			Fulton County			1
Sierra County		1		Gibson County			2
Stanislaus County			1	Grant County		3	7
Tulare County		1		Greene County			1
Ventura County—				Henry County			19
Santa Paula	2	6	19	Howard County		1	
Ventura			9	Huntington County			1
Total	190	374	543	Jackson County			2
<b>Colorado:</b>				Jay County			1
El Paso County	2			Jennings County		1	1
Las Animas County	1		1	Lagrange County			1
Logan County	1			Lake County	5	5	19
Pueblo County		3		Laporte County	7	8	11
Weld County	1	1		Lawrence County	1		
Total	5	4	1				

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## SMALLPOX—Continued.

Place.	New cases reported			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Indiana—Continued.</b>				<b>Louisiana:</b>			
Madison County.....		10	16	Caddo Parish.....	2	6	14
Marion County.....	4	5	22	Caldwell Parish.....			1
Marshall County.....		1	4	De Soto Parish.....	5	3	
Martin County.....		7		Franklin Parish.....			10
Miami County.....	2	2		Morehouse Parish.....		3	6
Monroe County.....	2	2		Ouachita Parish.....	4	10	30
Newton County.....			1	Rapides Parish.....		2	
Ohio County.....			1	Union Parish.....		3	
Owen County.....			1	Washington Parish.....			1
Pike County.....			4	<b>Total.....</b>	11	27	62
Randolph County.....			8				
Rush County.....	1		1	<b>Maine:</b>			
St. Joseph County.....		1	2	Androscoggin County.....			1
Steuben County.....	1			Oxford County.....			1
Vigo County.....	1	1		Washington County.....		1	
Wells County.....		18	23	<b>Total.....</b>		1	2
Whitley County.....		11					
<b>Total.....</b>	61	139	278	<b>Maryland:</b>			
<b>Iowa:</b>				Anne Arundel County.....		2	
Appanoose County.....		5		Baltimore City.....	3	2	
Black Hawk County.....		3		Prince Georges County.....	1		
Boone County.....	1			Place not stated.....			5
Butler County.....			1	<b>Total.....</b>	4	4	5
Calhoun County.....		1					
Cerro Gordo County.....			2	<b>Massachusetts:</b>			
Clinton County.....	11	23	8	Berkshire County.....			4
Des Moines County.....		1					
Emmet County.....	2			<b>Michigan:</b>			
Jackson County.....		1	2	Allegan County.....	2	2	9
Linn County.....		1		Antrim County.....			2
Mahaska County.....			1	Barry County.....			1
Polk County.....		4	13	Benzie County.....		1	
Poweshiek County.....			1	Berrien County.....			11
Sac County.....	1			Branch County.....	2	1	2
Scott County.....	2	4	2	Calhoun County.....		2	11
Winnebago County.....	1			Charlevoix County.....	5		
<b>Total.....</b>	18	43	30	Cheboygan County.....	1		1
				Clare County.....	1		
<b>Kansas:</b>				Clinton County.....	1		5
Anderson County.....		1		Delta County.....		1	
Brown County.....			1	Eaton County.....	6	6	11
Butler County.....		1		Genesee County.....	2	2	6
Cloud County.....			1	Gogebic County.....	1		
Crawford County.....	1	2	2	Gratiot County.....		1	
Dickinson County.....			2	Hillsdale County.....		89	14
Doniphan County.....		7		Ingham County.....	1	5	7
Douglas County.....			1	Ionia County.....		1	1
Franklin County.....	1			Jackson County.....	16	74	30
Harper County.....	1			Kalamazoo County.....			14
Harvey County.....				Kent County.....	8	2	10
Newton.....		11	12	Lenawee County.....		10	53
Scattering.....			1	Macomb County.....		1	2
Johnson County.....		1		Manistee County.....		1	
Leavenworth County.....			1	Marquette County.....		1	1
Linn County.....		1		Mason County.....			1
Lyon County.....				Mecosta County.....			1
Emporia.....	1	16	5	Midland County.....		1	
Marion County.....		7		Monroe County.....			1
Meade County.....				Montcalm County.....		2	2
Meade.....	27			Muskegon County.....	2	1	
Montgomery County.....	2	11	5	Oakland County.....	1	1	7
Morris County.....		2	4	Ottawa County.....	49	39	48
Reno County.....			3	Saginaw County.....	26	4	3
Republic County.....			1	St. Clair County.....			6
Sedgwick County.....			3	St. Joseph County.....		1	
Seward County.....			2	Sanilac County.....		1	
Washington County.....			1	Shiawassee County.....	32	43	12
Wyandotte County.....			4	Washtenaw County.....			3
<b>Total.....</b>	33	60	49	Wayne County.....	32	123	147
				<b>Total.....</b>	184	417	422

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Minnesota:</b>				<b>Montana—Continued.</b>			
Anoka County.....			1	Missoula County.....	1		4
Becker County.....		1		Park County.....		1	
Blue Earth County.....		1	1	Ravalli County.....	1	5	
Carlton County.....			16	Richland County.....			6
Clearwater County.....			13	Sanders County.....	2	12	
Crow Wing County.....	1			Silver Bow County—			
Dakota County.....	2	2		Butte.....	3	21	113
Douglas County.....			4	Butte R. F. D.....		1	5
Fillmore County.....		2	1	Stillwater County.....			4
Freeborn County.....			2	Toole County.....		4	
Hennepin County.....	2	5	22	Valley County.....			1
Kanabec County.....			7	<b>Total.....</b>	<b>62</b>	<b>187</b>	<b>181</b>
Koochiching County.....	1	3	1	<b>Nebraska.....</b>	<b>10</b>	<b>10</b>	<b>4</b>
Lac Qui Parle County.....	1			<b>New Jersey.....</b>			
Le Sueur County.....	2	3	2	Cumberland County.....		3	3
Nicollet County.....	1	1	3	<b>New York:</b>			
Ottertail County.....			3	Albany County.....		10	18
Polk County.....		4	8	Cattaraugus County.....			6
Ramsey County.....	89	60	69	Chautauqua County.....		9	5
Red Lake County.....			3	Clinton County.....	1		
Redwood County.....			2	Essex County.....			1
Rice County.....	1			New York City.....	1	1	1
St. Louis County.....	29	26	42	Rensselaer County.....		1	5
Sibley County.....			1	Schenectady County.....			3
Stearns County.....		1		Steuben County—			
Todd County.....	1	4	15	South Corning Vil-			
Wabasha County.....		2	4	lage.....			12
Washington County.....			1	Scattering.....			5
Wilkin County.....		1		Westchester County.....	1		
Winona County.....	2			<b>Total.....</b>	<b>2</b>	<b>22</b>	<b>56</b>
<b>Total.....</b>	<b>132</b>	<b>116</b>	<b>221</b>	<b>North Carolina:</b>			
<b>Mississippi:</b>				Anson County.....	5	16	10
Adams County.....			2	Ashe County.....	2		
Bolivar County.....		1	1	Beaufort County.....	2	1	4
Choctaw County.....		1		Bladen County.....	1	1	4
Clarke County.....	4	1	1	Buncombe County.....		2	
Forrest County.....	1	1	1	Cabarrus County.....	2		3
Jasper County.....		2		Catawba County.....	1	19	7
Jefferson Davis County.....			1	Cleveland County.....	2		13
Jones County.....		4		Columbus County.....		1	1
Kemper County.....			1	Craven County.....			4
Lauderdale County.....		23	54	Cumberland County.....			7
Leflore County.....		1		Davidson County.....	12	33	18
Neshoba County.....		3		Durham County.....		1	8
Newton County.....		1	1	Forsyth County.....	1	8	1
Pearl River County.....	1			Gaston County.....	7	38	83
Tallahatchie County.....		1		Guilford County.....	6	16	23
Tishomingo County.....			2	Iredell County.....	2	5	3
Tate County.....			10	Johnston County.....		1	4
Warren County.....		1		Lee County.....		5	6
Wayne County.....			8	Lincoln County.....	1		
Yazoo County.....	2		1	McDowell County.....			14
<b>Total.....</b>	<b>8</b>	<b>40</b>	<b>82</b>	Mecklenberg County.....	18	38	71
<b>Montana:</b>				Moore County.....		1	
Cascade County.....		1	6	Montgomery County.....			3
Daniels County.....		7		Perquimans County.....			1
Dawson County.....			1	Person County.....	1		7
Fergus County.....			2	Pitt County.....	1	3	4
Flathead County—				Polk County.....	2	2	2
Kalispell.....	15	38	7	Randolph County.....		2	2
Kalispell R. F. D.....	2	11	4	Richmond County.....	2	6	18
Whitefish.....	28	38	3	Robeson County.....		7	
Scattering.....	2	25		Rockingham County.....	5	5	1
Glacier County—				Rowan County.....	1		2
Cut Bank.....	4	14	7	Scotland County.....	1		
Glacier Park.....			1	Stanly County.....	10	2	78
Hill County.....	4	6	12	Surry County.....	1		1
Lewis and Clark County.....		2	2	Union County.....	1	2	6
Lincoln County.....		1					
Mineral County.....			2				



## STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>North Carolina—Continued.</b>				<b>Oklahoma—Continued.</b>			
Wake County.....	7	12	1	Custer County.....		1	
Wayne County.....			2	Garfield County.....		1	
Wilson County.....			1	Grady County.....	2		
<b>Total.....</b>	<b>94</b>	<b>228</b>	<b>413</b>	Jackson County.....			8
<b>North Dakota:</b>				Jefferson County.....		2	
Bottineau County.....	2		1	Kiowa County.....		4	21
Burleigh County.....	4		9	Logan County.....	2		1
Cavaller County.....	1		2	McCurtain County.....		1	7
Dunn County.....			2	McIntosh County.....	1	1	
Grand Forks County.....	1		1	Marshall County.....	10		
La Moure County.....			1	Mayes County.....	17	1	
Logan County.....		8	2	Noble County.....	1	1	
McLean County.....		7	5	Pittsburg County.....			6
Morton County.....			1	Pottawatomie County.....			9
Pembina County.....			1	Tulsa County.....	32	9	3
Ramsey County.....			6	<b>Total.....</b>	<b>78</b>	<b>35</b>	<b>45</b>
Sargent County.....	3			<b>Oregon:</b>			
Stark County.....		1		Clackamas County.....	2		
Stutsman County.....	1	1		Columbia County.....			12
Walsh County.....		2	7	Coos County.....	1		2
Ward County.....		1	1	Lane County.....	8	1	
Wells County.....			12	Linn County.....	1	2	4
<b>Total.....</b>	<b>12</b>	<b>20</b>	<b>50</b>	Marion County.....		2	3
<b>Ohio:</b>				Morrow County.....			1
Adams County.....			3	Multnomah County—			
Butler County.....	1	11	5	Portland.....	13	30	20
Clark County.....		1	1	Scatterling.....			6
Clinton County.....	1	3		Umatilla County.....	3	14	5
Columbiana County.....		1	1	Wasco County.....	8	10	12
Cuyahoga County.....		3	5	Washington County.....			1
Defiance County.....	4	12	15	<b>Total.....</b>	<b>36</b>	<b>59</b>	<b>66</b>
Fairfield County.....			2	<b>Pennsylvania:</b>			
Franklin County.....	1	3		Allegheny County.....	2	3	4
Fulton County.....			19	Cambria County.....			3
Greene County.....			1	Crawford County.....			1
Guernsey County.....	2			Delaware County.....	3		8
Hamilton County.....			1	Erie County.....	1	1	
Henry County.....			1	Fayette County.....	1		
Highland County.....			1	Mercer County.....		1	1
Jefferson County.....	1	3	7	Philadelphia County.....	16		2
Knox County.....	1			Somerset County.....	1		
Licking County.....			2	Westmoreland County.....		1	
Lucas County.....	2	11	7	York County.....	3	1	
Mahoning County.....	25	66	55	<b>Total.....</b>	<b>27</b>	<b>7</b>	<b>19</b>
Marion County.....			1	<b>South Carolina:</b>			
Montgomery County.....		6	14	Abbeville County.....		2	
Morgan County.....			6	Allendale County.....			
Muskingum County.....	18	49	85	Bamberg County.....		6	
Noble County.....		1	4	Barnwell County.....		6	17
Ottaway County.....		1	3	Beaufort County.....		1	
Paulding County.....	3	1	15	Calhoun County.....		16	9
Perry County.....		2	1	Cherokee County.....		10	1
Putnam County.....	2		2	Chester County.....		3	1
Richland County.....	1		1	Colleton County.....		100	
Ross County.....	2			Dillon County.....	21	6	5
Sandusky County.....			1	Florence County.....			1
Seneca County.....		1		Greenville County.....		7	4
Shelby County.....		1		Greenwood County.....			3
Stark County.....			1	Kershaw County.....	1		2
Trumbull County.....			11	Laurens County.....	2	2	
Tuscarawas County.....	1		2	Oconee County.....		5	
Van Wert County.....		1	2	Orangeburg County.....		1	6
Williams County.....		8	15	Richland County.....			6
Wood County.....			1	Spartanburg County.....		1	1
<b>Total.....</b>	<b>65</b>	<b>185</b>	<b>291</b>	Sumter County.....	1		
<b>Oklahoma:</b>				Union County.....	11	30	26
Caddo County.....	12			Williamsburg County.....			1
Cherokee County.....			3	York County.....		14	1
Comanche County.....			2	<b>Total.....</b>	<b>36</b>	<b>220</b>	<b>84</b>
Coal County.....	1						

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>South Dakota:</b>				<b>Washington—Continued.</b>			
Beadle County.....		2	1	Pierce County—			
Bon Homme County.....			2	Tacoma.....	13	10	12
Brown County.....		3		Scattering.....		6	18
Charles Mix County.....			1	Skagit County.....			7
Day County.....	1			Snohomish County.....		26	11
Deuel County.....			2	Spokane County—			
Dewey County.....	14		1	Spokane.....	13	43	38
Edmunds County.....			2	Scattering.....	2	12	5
Gregory County.....			1	Thurston County.....		1	
Kingsbury County.....			1	Walla Walla County.....		1	1
Pennington County.....			2	Whatcom County.....			1
Turner County.....			1	Whitman County.....			1
Ziebach County.....	9	2		Yakima County.....		3	3
<b>Total.....</b>	<b>24</b>	<b>7</b>	<b>13</b>	<b>Total.....</b>	<b>50</b>	<b>167</b>	<b>249</b>
<b>Vermont:</b>				<b>West Virginia:</b>			
Addison County.....	7	6	1	Braxton County.....		1	
Chittenden County.....	26	65	34	Brooke County.....			2
Grand Isle County.....		1	6	Cabell County.....			2
Rutland County.....			3	Harrison County.....		1	
Washington County.....	1			Lewis County.....		2	
Windham County.....	1	5	3	Logan County.....		1	4
<b>Total.....</b>	<b>35</b>	<b>77</b>	<b>47</b>	Mineral County.....			4
<b>Virginia:</b>				Mingo County.....		3	
Albemarle County.....		1		Raleigh County.....		1	
Amelia County.....		1	1	<b>Total.....</b>		<b>9</b>	<b>12</b>
Augusta County.....			1	<b>Wisconsin:</b>			
Brunswick County.....	3	7		Ashland County.....			2
Campbell County.....		2		Barron County.....		2	3
Fairfax County.....	1			Bayfield County.....	1		
Henry County.....		1	14	Brown County.....		2	1
Lee County.....			4	Chippewa County.....		1	
Nelson County.....	1	1		Clark County.....	19	26	12
Pittsylvania County.....	3			Crawford County.....	2		
Roanoke County.....	1	3	1	Douglas County.....	2	6	19
Tazewell County.....			4	Eau Claire County.....	1	1	4
<b>Total.....</b>	<b>8</b>	<b>16</b>	<b>25</b>	Fond du Lac County.....	1		3
<b>Washington:</b>				Jackson County.....	1		
Adams County.....	3	17	9	Jefferson County.....			1
Chelan County.....			1	Kenosha County.....	30	3	6
Challam County.....			1	Kewaunee County.....			1
Clarke County.....	7			Manitowoc County.....		1	4
Cowlitz County.....	1	6	47	Marathon County.....	5	1	
Grays Harbor County.....		2	1	Milwaukee County.....	42	12	10
Kings County—				Oneida County.....			1
Seattle.....	5	15	1	Outagamie County.....			4
Scattering.....		1	3	Ozaukee County.....		3	
Kitsap County.....	2			Polk County.....	1	1	1
Klickitat County.....			1	Price County.....			3
Klickitat County.....			1	Racine County.....	6	5	30
Lincoln County.....	4	8	27	Rock County.....			1
Lincoln County.....		15	60	Washburn County.....		1	1
Pacific County.....		1	1	Winnebago County.....			2
				Wood County.....			1
				<b>Total.....</b>	<b>111</b>	<b>65</b>	<b>110</b>

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## SMALLPOX—VACCINATION HISTORIES.

State.	Cases.	Vaccination history of cases.			
		Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California.....	1,107	5	37	1,064	1
District of Columbia.....	43			43	
Florida.....	28	1		22	5
Illinois.....	62	5	2	29	26
Kansas.....	142	4	7	83	48
Maryland.....	13			4	9
Massachusetts.....	4			4	
Minnesota.....	469	6	8	408	47
Montana.....	430	5	8	170	247
New Jersey.....	6			6	
New York.....	80	1	6	68	5
Total.....	2,384	27	68	1,901	388
Per cent of total cases.....	100.0	1.1	2.9	79.7	16.3

## TYPHOID FEVER.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Alabama:				Alabama—Continued.			
Autauga County.....			1	Morgan County.....	1	1	
Baldwin County.....	1		2	Perry County.....	3		
Barbour County.....	6	4		Pike County.....	2		2
Bibb County.....			2	Randolph County.....	4		1
Bulloch County.....	2		2	St. Clair County.....	3	3	1
Butler County.....	7		2	Shelby County.....	1	1	
Calhoun County.....	3	1	3	Sumter County.....	3		
Chambers County.....	1		4	Talladega County.....	2	4	3
Cherokee County.....	2	1	1	Tuscaloosa County.....	3		3
Chilton County.....	3			Walker County.....	7	1	1
Choctaw County.....	1	1		Winston County.....	3	1	
Clay County.....	3	1		Total.....	165	73	55
Cleburne County.....	1			Arizona:			
Coffee County.....	4	3	2	Coconino County.....	2		
Colbert County.....		1		Gila County.....	2		1
Conecuh County.....	5			Maricopa County.....	7	1	4
Covington County.....	3	7		Mohave County.....			1
Crenshaw County.....	4	4		Navajo County.....	1		
Cullman County.....	3	2		Pima County.....	2		
Dale County.....	2	2		Santa Cruz County.....	2		
Dallas County.....	2			Yuma County.....			1
De Kalb County.....	5		1	Total.....	16	1	7
Elmore County.....	3	1		Arkansas:			
Escambia County.....	2			Baxter County.....		1	
Etowah County.....	5	4		Benton County.....	3	2	
Fayette County.....	1	2		Calhoun County.....	1		
Geneva County.....	3	1		Carroll County.....	8	6	5
Henry County.....			3	Columbia County.....	1		
Houston County.....	2			Conway County.....	2	3	3
Jackson County.....	1	2		Craighead County.....	5		1
Jefferson County.....	20	19	10	Crawford County.....		10	
Lamar County.....			2	Cross County.....		2	
Lauderdale County.....		2		Drew County.....		1	
Lawrence County.....	4		1	Faulkner County.....		4	
Lee County.....	2			Franklin County.....	6	1	
Limestone County.....	2	2	2	Hempstead County.....	3		
Lowndes County.....	4	4	1	Hot Spring County.....	9	2	
Madison County.....	5		1	Howard County.....	2		
Madore County.....	9		1	Independence County.....	2		
Marion County.....		1	1	Lafayette County.....			1
Marshall County.....	3	1					
Mobile County.....	5		1				
Monroe County.....	2		1				
Montgomery County.....	2						

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Arkansas—Continued.</b>				<b>Colorado—Continued.</b>			
Logan County.....	1			Las Animas County.....	2	14	11
Lonoke County.....			1	Logan County.....		1	
Madison County.....		1		Mesa County.....		2	
Mississippi County.....	1			Montrose County.....	15	2	
Montgomery County.....	4	4		Otero County.....	7	2	1
Nevada County.....	3			Ourray County.....	2		
Quenchita County.....	1	4	3	Prowers County.....	2		
Perry County.....		1		Pueblo County.....	2	6	2
Pike County.....	1			Rio Grande County.....	1		
Poinsett County.....			4	Saguache County.....	1		
Pulaski County.....	16	10	4	Sedgewick County.....		1	
Randolph County.....	3	5	1	Weld County.....	1		1
St. Francis County.....	1		1	<b>Total.....</b>	<b>69</b>	<b>48</b>	<b>22</b>
Scott County.....	7		2				
Sebastian County.....	17	6		<b>Connecticut:</b>			
Sharp County.....	13	4	14	<b>Fairfield County—</b>			
Union County.....	3	2	1	Stamford.....	14		3
Van Buren County.....	1			Scattering.....	8	3	9
Washington County.....	7	1		Hartford County.....	8	3	2
<b>Total.....</b>	<b>121</b>	<b>70</b>	<b>41</b>	Litchfield County.....	2	3	2
				Middlesex County.....	4	2	
<b>California:</b>				<b>New Haven County—</b>			
Alameda County.....	5	1	3	New Haven.....	11	3	
Butte County.....		2	1	Scattering.....	7	3	7
Colusa County.....			1	New London County.....	4	5	1
Contra Costa County.....	1	2	1	Windham County.....	2		4
Fresno County.....	5	6	1	<b>Total.....</b>	<b>60</b>	<b>22</b>	<b>28</b>
Humboldt County.....		1	1				
Imperial County.....	2	1	4	<b>Delaware:</b>			
Kern County.....	1			Kent County.....	7	1	2
Kings County.....	1			New Castle County.....	10	9	6
Lake County.....	1			Sussex County.....	1	2	2
Los Angeles County—				<b>Total.....</b>	<b>18</b>	<b>12</b>	<b>10</b>
Los Angeles.....	13	13	7				
Scattering.....	16	15	12	<b>District of Columbia.....</b>	<b>14</b>	<b>12</b>	<b>4</b>
Madera County.....	2						
Mendocino County.....		1		<b>Florida:</b>			
Merced County.....		4	1	Alachua County.....	1	2	
Monterey County.....			1	Baker County.....			1
Napa County.....	1			Bay County.....		1	
Orange County.....	6	3	3	Columbia County.....			2
Plumas County.....		1	2	Dade County.....	3	2	2
Riverside County.....	1	1	1	De Soto County.....	1		1
Sacramento County.....	5	1	1	Duval County—			
San Bernardino County.....	23	4	5	Jacksonville.....	4	3	16
San Diego County.....	1	1	1	Scattering.....	2	1	1
San Francisco County.....	5	9	8	Escambia County.....	1	1	4
San Joaquin County.....	6	2	7	Gadsden County.....	3	1	1
San Mateo County.....		1	1	Glades County.....		1	
Santa Barbara County.....		1	3	Hamilton County.....		1	
Siskiyou County.....		1		Hardee County.....			2
Sonoma County.....		4	1	Hernando County.....	1		
Sutter County.....		1		Highlands County.....	2		
Tulare County.....	5	5		Hillsborough County.....	2	1	5
Ventura County.....	1	1		Holmes County.....			1
Yelo County.....	1			Jackson County.....	1	1	2
Place not stated.....	17	14	1	Jefferson County.....			1
<b>Total.....</b>	<b>119</b>	<b>96</b>	<b>66</b>	Lake County.....	1	2	
				Lee County.....		1	
<b>Colorado:</b>				Leon County.....	2	2	
Adams County.....	1	1		Levy County.....			2
Archuleta County.....		2	4	Madison County.....	2		
Boulder County.....			1	Manatee County.....	3	1	3
Denver County.....	13	3		Marion County.....	2		5
Elbert County.....	1			Monroe County.....		1	2
El Paso County.....		1	1	Nassau County.....	1		2
Fremont County.....	5	9		Okeechobee County.....			1
Garfield County.....	5			Orange County.....	3		1
Gunnison County.....	1			Osceola County.....			1
Huerfano County.....	8	3		Palm Beach County.....			2
Kit Carson County.....	1			Pinellas County.....		2	4
La Plata County.....			1	Polk County.....	1		3
Larimer County.....	1	1					

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Florida—Continued.</b>				<b>Illinois—Continued.</b>			
Putnam County		1		Mercer County		1	
St. Johns County			4	Monroe County	2		
St. Lucie County	1		1	Montgomery County	1		
Santa Rosa County		2	1	Morgan County	4	3	3
Seminole County		1		Ogle County		2	
Taylor County			1	Peoria County	7	3	2
Volusia County			3	Perry County	1	5	
Walton County		1		Pike County	1		
Washington County		1		Randolph County		1	
<b>Total</b>	<b>37</b>	<b>30</b>	<b>75</b>	Richland County	1		
<b>Idaho:</b>				Rock Island County	3	2	5
Benewah County			1	Saint Clair County	2	5	
Bingham County	1			Saline County	15	10	2
Bonneville County	1		1	Sangamon County	7	1	2
Canyon County	2			Shelby County	14	4	
Idaho County	1			Stephenson County	1		
Kootenai County		1		Tazewell County			1
Madison County	2	2		Union County	2		
<b>Total</b>	<b>7</b>	<b>3</b>	<b>2</b>	Vermillion County	4	2	
<b>Illinois:</b>				Wayne County	2		2
Adams County	3	1	8	White County	2	2	
Alexander County	1		2	Whiteside County		1	4
Bond County	1		1	Will County	8	10	6
Brown County	1			Williamson County	5	5	8
Bureau County	5	2		Winnebago County	4	1	1
Calhoun County	7			<b>Total</b>	<b>259</b>	<b>315</b>	<b>277</b>
Cass County	1	2		<b>Indiana:</b>			
Champaign County	2			Adams County	7		
Christian County	1	1		Allen County	2		124
Clark County	1	1		Bartholomew County	2	1	
Clay County	2			Cass County			
Clinton County			2	Clay County	2	2	2
Coles County	6	7		Clinton County	2		
Cook County	36	183	194	Daviess County	4	13	
Crawford County	8			Dearborn County			3
Cumberland County		1	2	Delaware County	1	1	
De Kalb County		1	2	Dubois County	7		
Douglas County	1		1	Elkhart County		4	
Du Page County	10	3	2	Fayette County		1	
Edgar County	1		2	Floyd County	1		
Edwards County		1		Gibson County			
Effingham County	4			Grant County	9	2	1
Fayette County	4	5	2	Hamilton County			3
Ford County	5	2		Henry County			1
Franklin County	11	3	1	Howard County	4		1
Fulton County	2	3		Huntington County	1	1	1
Grundy County	1	1	2	Jasper County		4	
Hancock County	3		1	Jay County			2
Hardin County	4			Knox County	1		1
Henry County	2		4	Lake County		3	
Iroquois County	1		1	Laporte County	8		4
Jackson County	5	2		Lawrence County		2	2
Jefferson County	8		7	Madison County	3		1
Jersey County		11		Marion County	6	1	
Kane County	2		3	Marshall County			2
Kankakee County	2	1		Miami County	1		2
Knox County	9	4	2	Monroe County			
Lake County	3			Morgan County		1	1
La Salle County	2	1	4	Newton County	1	1	
Lawrence County	2	1		Noble County			1
Lee County		1	1	Orange County		2	
Logan County	2			Owen County	1		
McDonough County	2		1	Parke County	3		1
McLean County	2		1	Perry County	3		
Macon County	1			Randolph County	1		
Maconupin County	4	5		Ripley County	2	2	1
Madison County	2	3		Saint Joseph County	3	1	
Marion County	1			Shelby County		2	2
Marshall County	1		2	Sullivan County	2	3	
Mason County		1		Tippecanoe County	1		2
Menard County		1		Tipton County	1		
				Union County	1	1	

**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.**

**TYPHOID FEVER—Continued.**

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Indiana—Continued</b>				<b>Louisiana—Continued.</b>			
Vigo County.....	8	1		Orleans Parish.....	19	4	5
Warrick County.....		1	1	Ouachita Parish.....	1		
Wayne County.....		1		Rapides Parish.....	4		1
Wells County.....				Richland Parish.....	1		
Whitley County.....		1	1	Sabine Parish.....	1	1	
Total.....	84	55	157	St. Bernard Parish.....	1		
<b>Kansas:</b>				St. John the Baptist.....	1	3	
Allen County.....	1			Saint Landry Parish.....	2		
Barber County.....	1			Terrebonne Parish.....	1	1	1
Bourbon County.....	1	2	1	Vernon Parish.....			1
Brown County.....	3			Washington Parish.....	4	4	2
Butler County.....	3	4	1	Total.....	65	44	21
Chautauqua County.....			1	<b>Maine:</b>			
Cherokee County.....	7	9	1	Aroostook County.....	3	12	6
Cloud County.....		1		Androscoggin County.....	2	1	
Coffey County.....	1	1		Cumberland County.....	1	2	2
Cowley County.....		1		Kennebec County.....	2		2
Crawford County.....	5	2	2	Knox County.....		1	
Dickinson County.....	1	1		Lincoln County.....	1		
Doniphan County.....			1	Oxford County.....		2	1
Elk County.....	1			Penobscot County.....	1	1	1
Ellsworth County.....		1		Piscataquis County.....	2		
Finney County.....	1			Sagadahoc County.....		1	
Franklin County.....	1			Somerset County.....		9	
Greenwood County.....		5		Waldo County.....	1		
Harper County.....	2	2		York County.....		1	3
Jackson County.....	2			Total.....	13	20	15
Jefferson County.....		2		<b>Maryland:</b>			
Kearney County.....	1			Allegany County.....	10	14	2
Labette County.....	1	2		Anne Arundel County.....	7	2	1
Leavenworth County.....	3			Baltimore County.....	7	4	7
Linn County.....	2			Baltimore City.....	21	18	18
Lyon County.....	3	2		Calvert County.....	1	2	
Marion County.....	4		1	Caroline County.....	7	7	
Marshall County.....		2		Carroll County.....	2	2	
Miami County.....	3	1		Cecil County.....	7	2	1
Montgomery County.....	4	1		Charles County.....	3	1	1
Neosho County.....	1	1		Dorchester County.....	11	6	2
Ness County.....	1			Frederick County.....	7	4	3
Osage County.....	1			Garrett County.....	7	3	2
Ottawa County.....		1		Harford County.....	5	13	2
Pratt County.....	1			Howard County.....			1
Reno County.....	2			Kent County.....	2		
Republic County.....	1	2		Montgomery County.....	13	4	2
Rice County.....	1			Prince Georges County.....	7	3	2
Sedgewick County.....	5	3	2	Queen Annes County.....	6	1	
Shawnee County.....	1	1		Saint Marys County.....	3		1
Sherman County.....	1			Somerset County.....	17	22	11
Stafford County.....		1		Talbot County.....	8	4	
Sumner County.....	1		1	Washington County.....	18	7	6
Thomas County.....	1			Wicomico County.....	17	6	
Woodson County.....	2	1		Worcester County.....	10	8	13
Wyandotte County.....	6			Total.....	196	133	75
Total.....	76	49	10	<b>Massachusetts:</b>			
<b>Louisiana:</b>				Barnstable County.....			1
Ascension Parish.....			2	Berkshire County.....	7	3	
Assumption Parish.....		1		Bristol County.....	11	9	3
Bossier Parish.....	1			Dukes County.....		1	
Caddo Parish.....	14	9	5	Essex County.....	11	6	3
Calcasieu Parish.....		1		Franklin County.....	2	1	
Caldwell Parish.....	1			Hampden County.....	4	3	3
De Soto Parish.....	2	10	1	Middlesex County.....	14	9	7
East Baton Rouge Parish.....	3	3	1	Norfolk County.....	8	2	2
East Feliciana Parish.....	1			Plymouth County.....	4	1	
Franklin Parish.....	2			Suffolk County—			
Iberville Parish.....			1	Boston.....	19	5	9
Jefferson Davis Parish.....	2	4		Scattering.....	6	1	
La Fourche Parish.....	1	2		Worcester County.....	3	6	4
Lincoln Parish.....	1		1	Total.....	89	47	32
Nadison Parish.....		1					
Natchitoches Parish.....	2						

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Michigan:</b>				<b>Minnesota—Continued.</b>			
Alegan County	1	2	-----	Meeker County	-----	1	-----
Alpena County	1	1	-----	Morrison County	-----	3	-----
Antrim County	1	-----	-----	Olmsted County	1	2	-----
Baraga County	4	4	-----	Ottertail County	1	2	4
Bay County	15	9	2	Pine County	1	3	1
Berrien County	1	3	-----	Polk County	1	-----	1
Branch County	3	2	-----	Ramsey County	4	2	4
Calhoun County	5	2	-----	Red Lake County	2	-----	-----
Cass County	-----	1	-----	Redwood County	1	-----	1
Chippewa County	-----	-----	1	Rock County	1	1	1
Clare County	1	-----	-----	Roseau County	-----	-----	3
Delta County	-----	3	2	Saint Louis County	13	3	2
Genesee County	2	2	3	Sherburne County	1	-----	-----
Gogebic County	4	2	-----	Stearns County	1	-----	-----
Grand Traverse County	1	-----	-----	Steele County	1	-----	-----
Griott County	5	6	-----	Todd County	1	-----	-----
Hillsdale County	1	1	1	Traverse County	2	-----	-----
Houghton County	5	6	2	Wabasha County	1	1	1
Huron County	2	-----	-----	Wadena County	-----	-----	1
Ingham County	6	8	7	Washington County	3	-----	-----
Ionia County	3	-----	-----	Winona County	3	1	-----
Iosco County	1	-----	-----	Yellow Medicine County	-----	1	-----
Jackson County	1	1	-----	<b>Total.</b>	<b>65</b>	<b>37</b>	<b>36</b>
Kalamazoo County	4	5	-----	<b>Mississippi:</b>			
Kalkaska County	2	1	-----	Adams County	1	2	3
Kent County	2	4	4	Alcorn County	3	1	2
Lenawee County	5	2	-----	Attala County	1	-----	-----
Livingston County	1	1	1	Benton County	-----	1	-----
Luce County	-----	2	-----	Bolivar County	4	6	-----
Macomb County	-----	1	-----	Carroll County	-----	-----	1
Mason County	1	-----	-----	Chickasaw County	3	3	-----
Meosta County	-----	5	-----	Choctaw County	1	-----	-----
Midland County	4	5	1	Clarke County	-----	1	1
Missaukee County	2	3	-----	Coahoma County	4	-----	-----
Monroe County	3	3	-----	Copiah County	9	3	-----
Montcalm County	3	-----	-----	Covington County	1	-----	-----
Muskegon County	9	9	1	De Soto County	1	1	-----
Newaygo County	-----	-----	1	Forrest County	2	4	2
Oakland County	5	-----	1	Franklin County	2	2	-----
Ocean County	-----	1	-----	Greene County	-----	1	1
Ogemaw County	-----	1	-----	Grenada County	1	1	1
Otsego County	2	-----	-----	Harrison County	1	2	-----
Ottawa County	1	3	1	Hinds County	3	3	-----
Presque Isle County	1	1	-----	Holmes County	4	-----	1
Saginaw County	10	2	3	Humphreys County	-----	3	7
Saint Clair County	3	1	1	Iltawamba County	1	-----	-----
Saint Joseph County	1	1	-----	Jackson County	1	-----	1
Sanilac County	2	2	-----	Jefferson Davis County	2	1	-----
Shiawassee County	1	-----	1	Jones County	1	2	-----
Tuscola County	1	-----	-----	Kemper County	3	-----	-----
Van Buren County	1	-----	2	Lafayette County	2	-----	-----
Washtenaw County	1	-----	1	Lauderdale County	3	1	1
Wayne County	25	22	16	Lawrence County	1	1	-----
Wexford County	3	-----	-----	Leake County	-----	3	1
<b>Total</b>	<b>156</b>	<b>126</b>	<b>52</b>	Lee County	2	2	-----
<b>Minnesota:</b>				Leflore County	4	4	3
Anoka County	-----	-----	1	Lowndes County	-----	1	1
Becker County	4	2	1	Marion County	-----	1	1
Beltrami County	6	1	-----	Marshall County	1	-----	-----
Big Stone County	-----	1	-----	Monroe County	-----	1	-----
Cass County	2	1	-----	Montgomery County	3	-----	2
Chippewa County	2	-----	-----	Neshoba County	-----	1	-----
Chisago County	2	4	1	Newton County	3	2	-----
Clay County	-----	4	7	Noxbee County	-----	-----	1
Crow Wing County	2	1	-----	Oktibbeha County	4	-----	-----
Dakota County	1	-----	-----	Perry County	-----	-----	1
Hennepin County	4	4	2	Pike County	2	-----	-----
Kanabec County	1	-----	-----	Prentiss County	-----	1	1
Kittson County	-----	-----	1	Quitman County	39	1	-----
Lac Qui Parle County	1	1	-----	Scott County	1	2	2
Lake County	-----	1	-----	Sharkey County	5	-----	-----
Le Sueur County	2	-----	-----	Simpson County	1	-----	2
Marshall County	2	2	5	Sunflower County	1	3	-----

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Mississippi—Continued.</b>				<b>New Mexico—Continued.</b>			
Tallahatchie County.....	4			Sandoval County.....	1	1	
Tate County.....	3	1	2	San Juan County.....	6		
Tippah County.....	2	4		San Miguel County.....	3	6	
Tishomingo County.....	1			Santa Fe County.....	7	2	
Tunica County.....		6		Taos County.....	2	5	
Union County.....	2		3	Torrance County.....	1	1	
Warren County.....	5	1	3	Union County.....		1	
Washington County.....	6	5		Valencia County.....	1		2
Wilkinson County.....		1	1	<b>Total.....</b>	<b>85</b>	<b>33</b>	<b>25</b>
Yalobusha County.....	2	2	1				
Yazoo County.....	2			<b>New York:</b>			
<b>Total.....</b>	<b>148</b>	<b>81</b>	<b>46</b>	Albany County—			
<b>Montana:</b>				Albany.....	15	4	
Beaverhead County.....	1			Scattering.....	6	4	3
Big Horn County.....	2	1		Allegany County.....	6	2	1
Blaine County.....				Broom County.....	5	5	3
Fort Belknap Agency.....		19		Cattaraugus County.....	4	5	7
Carbon County.....	1	3	3	Cayuga County.....	2	1	
Cascade County.....	4			Chautauqua County.....	2	10	4
Fergus County.....	1	1		Chester County.....	8	4	2
Flathead County.....		1		Chenango County.....	2	1	
Gallatin County.....	3			Clinton County.....	2		1
Golden Valley County.....			1	Columbia County.....		1	
Hill County.....	1			Cortland County.....	2		
Lewis and Clark County.....		2		Delaware County.....	4	1	1
Lincoln County.....			1	Dutchess County.....	3		
Park County.....	1	1	1	Erie County—			
Ravalli County.....			2	Buffalo.....	13	7	
Richland County.....		1		Scattering.....	8	1	1
Roosevelt County.....	1	2		Franklin County.....	1	2	2
Toole County.....	1			Genesee County.....	2	2	1
Treasure County.....		1		Greene County.....	1	4	1
<b>Total.....</b>	<b>16</b>	<b>32</b>	<b>8</b>	Herkimer County.....	3	1	
<b>Nebraska:</b>				Jefferson County.....	9	4	
	5	3	1	Lewis County.....	1		
<b>New Jersey:</b>				Livingston County.....	2		2
Atlantic County.....	6	3		Madison County.....	3	1	
Bergen County.....	1		1	Monroe County.....	4	7	3
Burlington County.....	5			Montgomery County.....	3	1	1
Camden County.....	14	1	4	Nassau County.....	1		
Cape May County.....	1			New York City.....	95	57	9
Cumberland County.....	3	2		Niagara County.....	6	4	6
Essex County.....	11	11	9	Oneida County.....		2	4
Gloucester County.....	3	3	1	Ontario County.....	2	2	
Hudson County.....	7	7	6	Orange County.....	2		
Mercer County.....	6	4	4	Orleans County.....			1
Middlesex County.....	10	2	2	Oswego County.....	3	3	2
Monmouth County.....	5	1	7	Otsego County.....	2	2	
Morris County.....	2		2	Putnam County.....	2	1	
Passaic County.....	3	1	1	Rensselaer County.....	4	6	4
Salem County.....	3		1	St. Lawrence County.....	1	4	1
Somerset County.....	1	3		Saratoga County.....	1	1	2
Union County.....	5	3	3	Schenectady County.....	5	1	1
Warren County.....	1			Schoharie County.....		1	
<b>Total.....</b>	<b>87</b>	<b>41</b>	<b>41</b>	Seneca County.....	1		
<b>New Mexico:</b>				Steuben County.....	3	6	5
Bernalillo County.....	27	4	3	Suffolk County.....	10	7	5
Chaves County.....	3	1	1	Sullivan County.....	5	3	1
Colfax County.....	2	1		Tioga County.....	1	2	
Dona Ana County.....	8	2	2	Tompkins County.....	1	2	1
Eddy County.....	3	3	1	Ulster County.....	7	3	5
Grant County.....	1	1		Warren County.....	3		
Guadalupe County.....	10	1		Washington County.....	1	5	2
Lincoln County.....	1	1	14	Wayne County.....	2		1
McKinley County.....	3			Westchester County.....	9	3	4
Mora County.....	4		1	Wyoming County.....		1	1
Otero County.....	1	1		Yates County.....		1	1
Quay County.....	1	1		<b>Total.....</b>	<b>281</b>	<b>186</b>	<b>92</b>
Rio Arriba County.....	1			<b>North Carolina:</b>			
Roosevelt County.....		1	1	Alamance County.....	4		1
				Beaufort County.....		1	
				Bertie County.....			2



**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER,  
1923—Continued.**

**TYPHOID FEVER—Continued.**

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>North Carolina—Contd.</b>				<b>North Dakota—Contd.</b>			
Buncombe County.....	6	4	2	McHenry County.....			1
Cabarrus County.....	1		1	McLean County.....		1	
Caldwell County.....		2		Morton County.....		1	
Carteret County.....	2			Mountrail County.....			1
Caswell County.....	1		1	Pembina County.....		2	
Catawba County.....	2			Pierce County.....		8	4
Chatham County.....			3	Ramsey County.....		1	1
Cherokee County.....	1			Ransom County.....	1	1	2
Chowan County.....	2	2		Richland County.....		1	4
Cleveland County.....			2	Stutsman County.....	1	5	1
Columbus County.....			1	Walsh County.....		4	1
Craven County.....	3	1	1	Ward County.....		1	
Davidson County.....	1	1		Williams County.....	1		
Durham County.....	4			<b>Total.....</b>	<b>12</b>	<b>28</b>	<b>16</b>
Edgecombe County.....			2				
Forsyth County.....	7	1	2	<b>Ohio:</b>			
Franklin County.....	1			Adams County.....	2		
Gaston County.....	6	2	1	Allen County.....	1	6	2
Granville County.....	1			Ashtabula County.....	1		
Greene County.....	3		1	Ashtabula County.....	2	1	1
Guilford County.....	8	13	1	Athens County.....	2	1	4
Halifax County.....	9	2	1	Auglaize County.....	1	3	
Haywood County.....	1			Belmont County.....	9	5	2
Henderson County.....	3	1		Brown County.....	4	1	
Johnston County.....	2	2	1	Bulter County.....	3	4	1
Jones County.....			1	Carroll County.....	1		
Lenoir County.....	1		1	Champaign County.....	1		
Madison County.....		2	1	Clark County.....	2		
McDowell County.....		2		Clermont County.....	2		2
Martin County.....	2	1		Columbiana County.....	2		
Mecklenburg County.....	10	2		Coshocton County.....	1		
Montgomery County.....			1	Crawford County.....	3		1
Moore County.....	1			Cuyahoga County.....	4	3	9
Nash County.....	2	5	1	Darke County.....	12	4	
New Hanover County.....		6	1	Defiance County.....	7		3
Northampton County.....	1	1		Delaware County.....	4		
Onslow County.....	3		1	Erle County.....	4	1	2
Orange County.....	1			Fairfield County.....	2		
Pamlico County.....	2			Fayette County.....		1	
Pasquotank County.....	3	1	2	Franklin County.....	12	2	1
Perquimans County.....	2	2	2	Fulton County.....	7	1	1
Pender County.....	1			Gallia County.....	6	1	1
Pitt County.....	4		3	Guernsey County.....	3	1	
Polk County.....	1			Hamilton County.....	10	5	1
Randolph County.....	2	1		Hardin County.....	1		1
Richmond County.....	1			Harrison County.....		1	
Robeson County.....	3			Henry County.....	3	1	
Rockingham County.....	6			Highland County.....	2		
Rowan County.....	2			Hocking County.....	16	3	1
Sampson County.....	1			Huron County.....	13	4	
Stanly County.....	2			Jackson County.....	3		
Stokes County.....		1		Jefferson County.....	1	3	
Surry County.....	2	3		Lawrence County.....	5	3	
Swain County.....		1		Licking County.....	4		4
Transylvania County.....	1			Logan County.....	2		
Vanoe County.....	1			Lorain County.....	7	3	1
Wake County.....	1	1	1	Lucas County.....	5	5	2
Warren County.....	1	1		Madison County.....	3		
Watauga County.....	1			Mahoning County.....	3	1	2
Wayne County.....	8			Marion County.....	2		
Wilson County.....	2	1	1	Medina County.....	5		
Yadkin County.....	2			Meigs County.....	1	3	1
Yancey County.....			3	Mercer County.....	9		
<b>Total.....</b>	<b>136</b>	<b>61</b>	<b>42</b>	Miami County.....	11	3	2
				Monroe County.....	1	1	
<b>North Dakota:</b>				Montgomery County.....	6	2	1
Benson County.....	4			Morrow County.....	2	1	
Bottineau County.....		1		Muskingum County.....	2	2	1
Burke County.....	1			Noble County.....	1	1	
Burleigh County.....			1	Ottawa County.....	2		
Cavalier County.....		1		Paulding County.....	3	1	
Grand Forks County.....	1			Perry County.....	14		
Griggs County.....		1		Pike County.....	4	1	
Kidder County.....	3			Portage County.....	4	3	
La Moure County.....			1	Preble County.....			3

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Ohio—Continued.				Oregon—Continued.			
Putnam County		1		Yamhill County		2	
Richland County	11	1					
Ross County	5	4	1	<b>Total</b>	<b>39</b>	<b>15</b>	<b>11</b>
Scioto County	10	4	3	Pennsylvania:			
Seneca County	3	1	1	Adams County	2		3
Shelby County			1	Allegheny County	24	13	3
Stark County		1		Armstrong County	7	1	5
Summit County	3			Beaver County	3	3	1
Trumbull County	4	7	1	Bedford County	10	5	2
Tuscarawas County	7	1		Berks County	8	2	8
Union County	1	1	1	Blair County	9	2	
Vinton County	3			Bradford County	4		
Warren County			1	Bucks County	6	7	6
Washington County	12	2	1	Butler County	2	3	2
Wayne County	1	2		Cambria County	14	8	5
Williams County	2	2		Center County	4	2	1
<b>Total</b>	<b>302</b>	<b>109</b>	<b>60</b>	Chester County	11	3	1
Oklahoma:				Clarion County	6	3	
Alfalfa County	7			Clearfield County	2	3	2
Blaine County		2		Clinton County	4		
Bryan County	10	1		Columbia County	12	1	
Caddo County	3			Crawford County	1		
Cherokee County	3	5	1	Cumberland County	5	1	
Choctaw County		3		Dauphin County	3	5	1
Coal County	4			Delaware County	11	2	1
Custer County	4	3	7	Elk County	1	2	2
Ellis County	4	5		Erie County	3	3	2
Garfield County	1			Fayette County	9	14	6
Garvin County	9			Franklin County	6	2	
Grady County	11	2		Fulton County	7		
Harmon County		1		Greene County	1	1	
Haskell County	2	2		Huntingdon County	3	1	4
Jefferson County	5	2		Indiana County	4	4	1
Kingfisher County	4			Jefferson County	9	3	8
Kiowa County	1			Juniata County		1	
Le Flore County	16			Lackawanna County	1	1	1
Logan County	7	6		Lancaster County	15	6	4
Love County		4		Lawrence County	3		4
McIntosh County	12	2		Lebanon County	2	2	1
Major County	1			Lehigh County	3	3	5
Mayer County	44	29		Luzerne County	9	6	1
Noble County	10			McKean County	2	2	1
Payne County	1			Mercer County	5	4	1
Pittsburg County	2		3	Mifflin County	11	1	
Pottawatomie County	3	3	3	Monroe County		1	
Rogers County	3	1		Montgomery County	10	5	2
Sen. inole County	7	6	4	Montour County	1	1	
Tillman County		12	2	Northampton County	5	4	3
Tulsa County	29	1		Northumberland County	3	1	
Wagoner County		8		Perry County		1	1
Washington County	6			Philadelphia County	55	47	24
Woods County	3			Potter County		1	
Woodward County	2		1	Schuylkill County	3	4	9
<b>Total</b>	<b>214</b>	<b>96</b>	<b>21</b>	Snyder County	1	2	
Oregon:				Somerset County	11	8	7
Baker County	1			Susquehanna County	3	2	
Clackamas County	5			Tioga County	4	5	
Coos County		1		Union County	2		3
Douglas County		2		Venango County	6		
Grant County	1			Warren County	1	1	
Hood River County	2			Washington County	22	2	9
Jackson County		3		Wayne County	2	1	2
Josephine County	5			Westmoreland County	9	12	5
Lane County	8		2	York County	12	12	5
Linn County	2			<b>Total</b>	<b>392</b>	<b>230</b>	<b>152</b>
Marion County	1	2	1	Rhode Island:			
Multnomah County	6	4		Bristol County			1
Polk County			1	Kent County	7		
Umatilla County	3	1		Providence County	1	3	2
Union County	2			Washington County	1		
Wasco County	3		6	<b>Total</b>	<b>9</b>	<b>3</b>	<b>3</b>
Wheeler County			1				

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>South Carolina:</b>				<b>Virginia—Continued.</b>			
Abbeville County.....	1			Hanover County.....	1	1	1
Barnwell County.....			1	Henrico County.....	4	5	6
Charleston County.....	3			Henry County.....	3	1	
Cherokee County.....		1		Highland County.....	5		4
Dillon County.....			3	Isle of Wight County.....	8	1	
Greenville County.....	29	6		King and Queen County.....	1	3	1
Greenwood County.....	5			King George County.....			1
Pickens County.....		1	1	King William County.....			1
Richland County.....	4			Lancaster County.....	1	1	
Spartanburg County.....	1			Lee County.....	1		2
Sumter County.....	1			Loudoun County.....		1	1
Union County.....	2	2	2	Lunenburg County.....	3		
York County.....	2			Madison County.....	1		
<b>Total.....</b>	<b>48</b>	<b>10</b>	<b>7</b>	Mathews County.....	1		
<b>South Dakota:</b>				Mecklenburg County.....		4	
Charles Mix County.....	1			Middlesex County.....	1	1	5
Davison County.....			1	Montgomery County.....		5	4
Day County.....	1			Nansemond County.....	7		
Hand County.....	2			Nelson County.....		1	
Hutchinson County.....	3			Norfolk County.....	6		1
Lake County.....	1			Northampton County.....	2	6	
Minnehaha County.....	2		1	Orange County.....	1	3	1
Mellette County.....			1	Page County.....	1		
Spink County.....	1			Patrick County.....		2	1
Tripp County.....		1		Pittsylvania County.....	2		3
Walworth County.....			1	Princess Anne County.....		1	
<b>Total.....</b>	<b>11</b>	<b>1</b>	<b>4</b>	Pulaski County.....	2	1	
<b>Vermont:</b>				Richmond County.....	1		
Addison County.....	1			Roanoke County.....	11	6	2
Bennington County.....			1	Rockbridge County.....	2	2	
Caledonia County.....		1		Rockingham County.....	11		1
Chittenden County.....	1			Russell County.....		2	2
Franklin County.....		2	1	Scott County.....	11	2	2
Rutland County.....	1			Shenandoah County.....	5	1	
Windsor County.....		1		Smyth County.....	2	1	
<b>Total.....</b>	<b>2</b>	<b>5</b>	<b>2</b>	Southampton County.....	2		
<b>Virginia:</b>				Stafford County.....	1		
Albemarle County.....	13	8		Surry County.....	1	1	
Accomac County.....	3	17	2	Sussex County.....	2	2	1
Alleghany County.....	3	1	1	Tazewell County.....	13	2	4
Amelia County.....		1		Warren County.....	2		4
Amherst County.....	1			Warwick County.....	2		1
Appomattox County.....	1		2	Washington County.....	9	3	
Arlington County.....			1	Westmoreland County.....	2		
Bath County.....		2	2	Wythe County.....	2		3
Bedford County.....	9	1		<b>Total.....</b>	<b>200</b>	<b>106</b>	<b>70</b>
Bland County.....	1			<b>Washington:</b>			
Botetourt County.....	4	1	1	Adams County.....	1	2	1
Brunswick County.....	1	2		Asotin County.....	2	2	
Buchanan County.....	3	4	1	Benton County.....	2	2	
Buckingham County.....	1		1	Chelan County.....	3	3	
Campbell County.....	5		1	Clarke County.....	1		1
Caroline County.....	1			Cowlitz County.....	13	7	4
Culpeper County.....	2			Douglas County.....	4	1	
Dickenson County.....	1	2		Grays Harbor County.....	2		
Dinwiddie County.....	4		1	King County.....	11	1	2
Essex County.....	1	4		Kittitas County.....	1		
Fairfax County.....	2			Klickitat County.....	5		
Fauquier County.....		1	1	Lewis County.....	1	3	
Floyd County.....	1			Okanogan County.....	2		
Franklin County.....	1		1	Pierce County.....	5	11	2
Frederick County.....	1			Skagit County.....	1	2	1
Giles County.....			1	Snohomish County.....	5	1	6
Gloucester County.....	1			Stevens County.....		11	
Goochland County.....		1		Spokane County.....	8	1	4
Grayson County.....	1	1	2	Thurston County.....	1	2	
Greene County.....	8	1	1	Walla Walla County.....	1	4	
Greensville County.....	1			Whatcom County.....	1		2
Halifax County.....			1	Whitman County.....		1	1
				Yakima County.....	5	4	3
				<b>Total.....</b>	<b>75</b>	<b>58</b>	<b>27</b>

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>West Virginia:</b>				<b>Wisconsin—Continued.</b>			
Barbour County.....	15	7	2	Calumet County.....		1	
Berkeley County.....	1	1		Chippewa County.....			1
Boone County.....	2	2		Dane County.....		1	
Braxton County.....	1			Dodge County.....		2	
Brooke County.....	97	9	1	Door County.....	2		
Cabell County.....	7	3	2	Douglas County.....		1	
Clay County.....		1		Fau Claire County.....	3	1	
Fayette County.....	4	1		Forest County.....	2	21	
Hancock County.....	1			Grant County.....			1
Harrison County.....	4	1		Green County.....	1		
Jackson County.....	5	4	1	Jefferson County.....		1	1
Jefferson County.....	2	1	1	Kenosha County.....	1		1
Kanawha County.....	12	2	2	La Crosse County.....	1		1
Lewis County.....	2		1	Lafayette County.....	1		
Lincoln County.....		2	1	Lincoln County.....		1	
Logan County.....	21	12	6	Langlade County.....			1
McDowell County.....			1	Mantowoc County.....			2
Marion County.....	9	9	12	Marathon County.....	1	1	
Marshall County.....	3	1		Marinette County.....	1	1	
Mercer County.....	2			Milwaukee County.....	3	6	4
Mineral County.....	8	5	1	Monroe County.....		2	
Mingo County.....	1			Outagamie County.....	5	2	2
Monongalia County.....		3	2	Pierce County.....	5	1	
Morgan County.....	1			Pepin County.....			1
Nicholas County.....	4	2	1	Polk County.....	2	1	
Ohio County.....	24	11	1	Price County.....	5	1	
Preston County.....	13	1		Racine County.....	1	1	
Raleigh County.....	4	1	1	Rock County.....	2		
Randolph County.....	3			Saint Croix County.....		1	
Ritchie County.....	1			Vernon County.....	1		
Roane County.....	2	2		Washington County.....	1		
Summers County.....	8	3	3	Waupaca County.....	1		
Taylor County.....	1	1	1	Winnebago County.....	1	3	1
Tucker County.....	1	3	2	Wood County.....	1		
Upshur County.....	12	4	1				
Wayne County.....		1	1	<b>Total.....</b>	<b>46</b>	<b>53</b>	<b>19</b>
Webster County.....	2						
Wood County.....	6			<b>Wyoming:</b>			
Wyoming County.....	3			Albany County.....	1		
<b>Total.....</b>	<b>285</b>	<b>93</b>	<b>44</b>	Big Horn County.....	1		1
<b>Wisconsin:</b>				Converse County.....	5	1	
Barron County.....	1	3		Natrona County.....	1	2	
Bayfield County.....		1		Sheridan County.....	3		
Brown County.....	3	1	2	Sweetwater County.....	2		
Buffalo County.....			1	Washakie County.....	6		
				<b>Total.....</b>	<b>19</b>	<b>3</b>	<b>1</b>

TYPHUS FEVER.

Alabama.....		3		New York.....	3		
California.....	1	7	2	Ohio.....	1		
Maryland.....	1		1				

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## SUMMARY OF DISEASES.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Alabama:</b>				<b>California—Continued.</b>			
Anthrax		1		Dysentery (bacillary)	17	5	2
Cerebrospinal meningitis (epidemic)		4	3	Encephalitis	9	10	8
Chicken pox	37	142	164	German measles	13	18	37
Dengue	4	1	2	Hookworm disease	1		1
Diphtheria	322	266	114	Influenza	79	102	161
Dysentery	47	20	4	Jaundice (epidemic)	2	1	6
Influenza	1 160	286	2 344	Leprosy			
Lethargic encephalitis		1		Malaria	37	11	12
Malaria	1,095	392	129	Measles	1,217	1,187	1,497
Measles	292	690	1,362	Mumps	71	94	95
Mumps	42	11	33	Ophthalmia neonatorum	3	1	2
Ophthalmia neonatorum			3	Paratyphoid fever	1	10	4
Pellagra	24	16	12	Pellagra	4	4	4
Pneumonia (all forms)	73	307	451	Pneumonia (lobar)	221	234	386
Poliomyelitis	2		1	Poliomyelitis	91	39	28
Rabies (in man)			1	Rabies		1	
Scarlet fever	145	136	72	Rocky Mountain spotted or tick fever		1	
Smallpox	8	13	49	Scarlet fever	630	883	1,086
Tetanus			3	Smallpox	190	374	543
Trachoma	3		2	Tetanus	3	6	5
Tuberculosis (pulmonary)	73			Trachoma	32	26	20
Tuberculosis (all forms)		123	114	Tuberculosis (all forms)	866	712	626
Typhoid fever	165	73	55	Typhoid fever	119	96	66
Typhus fever		3		Typhus fever	1	7	2
Whooping cough	96	104		Whooping cough	137	139	94
<b>Arizona:</b>				<b>Colorado:</b>			
Chicken pox	7	6	30	Anthrax		1	
Diphtheria	19	19	26	Chicken pox	80	248	250
Leprosy			1	Diphtheria	256	248	219
Measles	14	43	72	Influenza		2	3
Mumps	8	3	7	Measles	263	506	686
Poliomyelitis	1	1		Mumps	122	268	75
Scarlet fever	25	55	56	Ophthalmia neonatorum			1
Smallpox	1		2	Paratyphoid fever	1	2	
Trachoma	35	10	156	Pneumonia (all forms)	8	10	26
Tuberculosis (all forms)	174	123	122	Poliomyelitis	1		1
Typhoid fever	16	1	7	Septic sore throat			7
Whooping cough		3		Scarlet fever	119	218	219
<b>Arkansas:</b>				Smallpox	5	4	1
Cerebrospinal meningitis (epidemic)			3	Tuberculosis (all forms)	295	388	279
Chicken pox	47	43	61	Typhoid fever	69	48	22
Dengue			1	Vincent's angina		1	1
Diphtheria	110	105	71	Whooping cough	51	45	40
Hookworm disease	15	3	2	<b>Connecticut:</b>			
Influenza	142	355	350	Actinomycosis			2
Leprosy		1		Cerebrospinal meningitis (epidemic)	8	9	4
Malaria	841	362	191	Chicken pox	115	466	570
Measles	81	208	360	Conjunctivitis (infectious)	2	9	
Mumps	3	5	16	Diphtheria	203	264	306
Ophthalmia neonatorum	1	1	4	Dysentery (amebic)		1	
Paratyphoid fever	8	5	2	Dysentery (bacillary)	1		
Pellagra	49	26	13	Favus	1		
Pneumonia (all forms)	2		1	German measles	2	4	9
Poliomyelitis	3	2		Hookworm disease	1		
Scarlet fever	48	76	23	Influenza	11	22	19
Smallpox	10	29	44	Lethargic encephalitis	2	3	
Trachoma	5	5	55	Malaria	5	1	
Tuberculosis (all forms)	82	42	47	Measles	241	572	883
Typhoid fever	121	70	41	Mumps	50	108	228
Whooping cough	85	136	121	Occupational diseases and disabilities	38	10	7
<b>California:</b>				Ophthalmia neonatorum	1		
Anthrax	1	2		Paratyphoid fever	1		
Botulism	1			Pneumonia (lobar)	42	81	96
Cerebrospinal meningitis (epidemic)	8	15	3	Poliomyelitis	17	9	7
Chicken pox	289	550	648	Scarlet fever	201	342	475
Diphtheria	1,056	1,234	1,316	Septic sore throat	2	13	6
Dysentery (amebic)	2	2	2	Smallpox		2	1

172 cases reported as "Devil's grip."

25 cases reported as "Devil's grip."

154 cases reported as old cases by Indian school.

4 Of these cases 150 reported at U. S. Veterans' Bureau hospitals at Prescott and Tucson.

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Connecticut—Continued.				Hawaii—Continued.			
Tetanus.....	2	1	5	Leprosy.....	5	5	5
Trachoma.....	1	1	1	Measles.....	9	12	13
Trichinosis.....	2			Poliomyelitis.....	1		
Tuberculosis (pulmonary).....	129	119	114	Scarlet fever.....	2	1	2
Tuberculosis (all forms).....	137	133	120	Tetanus.....	2	2	3
Typhoid fever.....	60	22	23	Trachoma.....	206	90	49
Whooping cough.....	100	106	116	Tuberculosis (all forms).....	93	89	62
Delaware:				Typhoid fever.....	17	6	12
Cerebrospinal meningitis (epidemic).....		1		Whooping cough.....	9	8	17
Chicken pox.....	15	12	32	Idaho:			
Diphtheria.....	11	34	29	Cerebrospinal meningitis (epidemic).....	1		
Influenza.....		2		Chicken pox.....	11	89	111
Malaria.....	6	2		Conjunctivitis (epidemic).....		2	
Measles.....	25	36	7	Diphtheria.....	32	6	38
Pneumonia (all forms).....	4	10	13	German measles.....		11	
Scarlet fever.....	71	94	79	Influenza.....	1	1	
Tuberculosis (pulmonary).....	8	12	8	Lethargic encephalitis.....	1		
Tuberculosis (all forms).....	19	30	26	Measles.....	6	93	1,031
Typhoid fever.....	18	12	10	Mumps.....	1	1	
Whooping cough.....	13	23	16	Ophthalmia neonatorum.....			2
District of Columbia:				Paratyphoid fever.....			1
Cerebrospinal meningitis (epidemic).....		2		Poliomyelitis.....	1		
Chicken pox.....	23	171	243	Scarlet fever.....	88	97	255
Diphtheria.....	74	77	62	Smallpox.....	3	5	17
Influenza.....	1	3	7	Tuberculosis (pulmonary).....	3	3	2
Lethargic encephalitis.....	3		2	Typhoid fever.....	7	3	2
Measles.....	9	24	31	Whooping cough.....	19	3	2
Poliomyelitis.....	10	4	1	Illinois:			
Scarlet fever.....	68	101	115	Actinomycosis.....	1		
Smallpox.....	4	25	14	Cerebrospinal meningitis (epidemic).....	11	11	4
Tuberculosis (pulmonary).....		94	90	Chicken pox.....	749	1,802	1,984
Tuberculosis (all forms).....		96	94	Diphtheria.....	1,114	1,318	1,118
Typhoid fever.....	14	12	4	Dysentery.....	197	131	93
Whooping cough.....	53	37	50	German measles.....	18	21	18
Florida:				Influenza.....	194	130	100
Anthrax.....	1			Lethargic encephalitis.....	2	9	3
Cerebrospinal meningitis (epidemic).....	2	2	2	Malaria.....	2	4	3
Chicken pox.....	1	5	24	Measles.....	363	1,053	1,053
Dengue.....	3	7	4	Mumps.....	281	617	800
Diphtheria.....	96	66	145	Occupational diseases and disabilities.....	8		29
Dysentery.....	3	5	15	Ophthalmia neonatorum.....	27	21	29
Hookworm disease.....	85	70	610	Paratyphoid fever.....	6	5	3
Influenza.....	14	17	38	Pneumonia (all forms).....	814	1,012	1,239
Malaria.....	165	125	180	Poliomyelitis.....	63	15	6
Measles.....	176	291	662	Puerperal septicemia.....	1	7	6
Mumps.....		6	12	Scarlet fever.....	768	1,008	1,123
Paratyphoid fever.....		1	1	Septic sore throat.....		16	10
Pellagra.....	3	13	14	Smallpox.....	28	13	21
Pneumonia (all forms).....	44	47	184	Streptococcus sore throat.....	9		
Poliomyelitis.....	3	2		Tetanus.....	3	6	1
Rabies (in animals).....	10	8	11	Trachoma.....	4	5	1
Scarlet fever.....	11	9	13	Trichinosis.....	3		1
Smallpox.....	4	8	20	Tuberculosis (pulmonary).....		1,076	873
Tetanus.....	4	4	16	Tuberculosis (all forms).....	1,385	1,083	886
Trachoma.....	11	11	10	Typhoid fever.....	259	315	277
Tuberculosis (all forms).....	89	68	283	Whooping cough.....	490	494	501
Typhoid fever.....	37	30	75	Indians:			
Whooping cough.....	11	15	36	Cerebrospinal meningitis (epidemic).....	4	2	6
Hawaii:				Chicken pox.....		306	355
Cerebrospinal meningitis (epidemic).....	4	1	1	Diphtheria.....	456	750	794
Chicken pox.....	5	7	4	Influenza.....	18	22	121
Conjunctivitis (follicular).....		46		Measles.....	91	515	1,555
Dengue.....			1	Pneumonia (all forms).....	1	22	67
Diphtheria.....	20	15	17	Poliomyelitis.....	4	4	3
Dysentery (amebic).....	1			Rabies (in animals).....	2		
Hookworm disease.....	2						
Influenza.....	113	121	113				

# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Indiana—Continued.</b>				<b>Maine—Continued.</b>			
Scarlet fever	236	392	532	Diphtheria	63	62	81
Smallpox	61	139	278	German measles	3		13
Tuberculosis (pulmonary)	157	211	95	Influenza	1	3	7
Typhoid fever	84	55	157	Measles	94	117	204
Whooping cough		219	578	Mumps	6	31	120
<b>Iowa:</b>				Pneumonia (all forms)	29	29	50
Cerebrospinal meningitis (epidemic)	1	1	2	Poliomyelitis	1	1	1
Chicken pox	22	132	186	Scarlet fever	68	67	138
Diphtheria	230	233	173	Smallpox		1	2
Influenza		1		Tuberculosis (all forms)	30	34	33
Measles	27	120	283	Typhoid fever	13	30	15
Mumps	7	39	99	Vincent's angina			3
Pneumonia (all forms)	2	6	8	Whooping cough	167	235	201
Poliomyelitis	7	2		<b>Maryland:</b>			
Rabies (in man)		1		Anthrax			1
Scarlet fever	220	323	338	Cerebrospinal meningitis (epidemic)	4	1	2
Smallpox	18	43	30	Chicken pox	107	279	510
Tuberculosis (all forms)	1	3		Diphtheria	278	253	227
Whooping cough	37	58	56	Dysentery	22	10	4
<b>Kansas:</b>				German measles	3		19
Cerebrospinal meningitis (epidemic)		3	2	Impetigo contagiosa	5		1
Chicken pox	156	414	583	Influenza	47	118	110
Diphtheria	420	476	371	Jaundice	1	1	
Dysentery (bacillary)			2	Leprosy		1	
German measles	5	9	16	Lethargic encephalitis	3	6	2
Influenza	1	5	23	Malaria	28	3	3
Lead poisoning (chronic)		1		Malta fever	1		
Lethargic encephalitis		2	1	Measles	77	163	269
Malaria		1		Mumps	24	15	32
Measles	322	419	614	Ophthalmia neonatorum	4	3	5
Mumps	123	351	344	Pneumonia (all forms)	149	277	319
Pneumonia (all forms)	39	94	126	Poliomyelitis	2	6	1
Poliomyelitis	19	7	2	Rabies (in animals)	2	4	7
Scarlet fever	436	436	364	Scabies	3	3	
Septic sore throat	3		3	Scarlet fever	296	319	357
Smallpox	38	60	49	Septic sore throat	3	8	4
Tetanus		1	3	Smallpox	4	4	5
Trachoma	1			Tetanus	1	2	
Tuberculosis (all forms)	261	178	86	Tuberculosis (pulmonary)	105	222	201
Typhoid fever	76	49	10	Tuberculosis (all forms)	208	230	213
Whooping cough	231	358	299	Typhoid fever	196	133	75
<b>Louisiana:</b>				Typhus fever	1		1
Anthrax			1	Vincent's angina	1		2
Cerebrospinal meningitis (epidemic)	2	6	2	Whooping cough	191	196	181
Chicken pox		7	23	<b>Massachusetts:</b>			
Dengue	154	9	3	Actinomycosis	1		
Diphtheria	155	160	143	Andrax	1	1	
Dysentery	3	1	6	Cerebrospinal meningitis (epidemic)	13	9	7
Hookworm disease	54	55	107	Chicken pox	561	1,201	1,583
Influenza	55	45	126	Conjunctivitis (suppurative)	53	47	64
Leprosy	3	1		Diphtheria	1,067	1,151	1,102
Lethargic encephalitis	2	2		Dysentery		2	
Malaria	155	32	104	German measles	23	29	32
Measles	208	835	633	Hookworm disease		1	
Mumps		1	6	Influenza	15	23	30
Ophthalmia neonatorum	1	1		Leprosy		1	
Pellagra	9	6	1	Lethargic encephalitis	9	7	3
Pneumonia (all forms)	141	160	169	Malaria	2	1	1
Poliomyelitis	2	1		Measles	660	1,096	1,320
Rabies	1			Mumps	253	587	797
Scarlet fever	27	47	53	Occupational diseases and disabilities	7	10	4
Smallpox	11	27	62	Ophthalmia neonatorum	91	92	65
Trachoma	1		16	Pellagra		3	2
Tuberculosis (all forms)	129	119	138	Pneumonia (lobar)	197	269	377
Typhoid fever	65	44	21	Poliomyelitis	48	40	25
Whooping cough	24	19	24	Scarlet fever	677	1,018	1,550
<b>Maine:</b>				Septic sore throat	17	15	10
Cerebrospinal meningitis (epidemic)	3	1		Smallpox			4
Chicken pox	80	171	269	Tetanus	2	3	1
				Trachoma	6	4	2

**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.**

**SUMMARY OF DISEASES—Continued.**

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Massachusetts—Continued.</b>				<b>Montana—Continued.</b>			
Trichinosis.....		2	2	Rocky Mountain spotted or tick fever.....		2	1
Tuberculosis (pulmonary).....	542	410	431	Scabies.....		1	1
Tuberculosis (all forms).....	626	465	493	Scarlet fever.....	59	16	137
Typhoid fever.....	89	47	32	Smallpox.....	62	187	181
Whooping cough.....	335	426	411	Septic sore throat.....	1	4	1
<b>Michigan:</b>				Tetanus.....		1	1
Chicken pox.....	412	975	1,362	Trachoma.....		2	
Diphtheria.....	1,002	1,021	945	Tuberculosis (all forms).....	99	48	16
Lethargic encephalitis.....	6		2	Typhoid fever.....	16	32	8
Measles.....	736	1,307	1,901	Whooping cough.....	23	48	26
Mumps.....	102	168	310	<b>Nebraska:</b>			
Pneumonia (all forms).....	311	352	451	Cerebrospinal meningitis (epidemic).....		6	3
Poliomyelitis.....	7	4		Chicken pox.....	33	100	114
Scarlet fever.....	969	1,155	1,373	Diphtheria.....	98	149	133
Septic sore throat.....	1	21	27	German measles.....	1		1
Smallpox.....	184	417	422	Influenza.....	1	1	1
Tuberculosis (all forms).....	353	432	344	Leprosy.....	1		
Typhoid fever.....	156	126	52	Lethargic encephalitis.....	1	1	
Whooping cough.....	331	263	331	Measles.....	77	310	873
<b>Minnesota:</b>				Mumps.....	37	16	21
Cerebrospinal meningitis (epidemic).....	3	2	3	Pneumonia (all forms).....	4	8	2
Chicken pox.....	245	679	844	Poliomyelitis.....	18	8	1
Diphtheria.....	447	663	524	Scarlet fever.....	171	162	201
Dysentery.....	1			Septic sore throat.....	1	5	1
Influenza.....	4		2	Smallpox.....	10	10	4
Lethargic encephalitis.....	1			Tetanus.....	2		
Measles.....	812	676	758	Tuberculosis (pulmonary).....	9	15	4
Pneumonia (all forms).....	10	24	31	Typhoid fever.....	5	3	1
Poliomyelitis.....	14	7	6	Whooping cough.....	24	27	12
Scarlet fever.....	1,039	1,158	1,243	<b>New Jersey:</b>			
Smallpox.....	132	116	221	Cerebrospinal meningitis (epidemic).....	5	9	8
Tetanus.....		1		Chicken pox.....	256	753	1,151
Trachoma.....	4	2		Diphtheria.....	569	603	684
Tuberculosis (all forms).....	258	236	308	Dysentery.....	4		1
Typhoid fever.....	65	37	36	German measles.....	9	32	40
Whooping cough.....	106	73	39	Influenza.....	42	64	104
<b>Mississippi:</b>				Malaria.....	4	2	1
Anthrax.....			1	Measles.....	421	642	751
Chicken pox.....	171	506	706	Occupational diseases.....	1	1	5
Dengue.....	17	23	8	Ophthalmia neonatorum.....	3	7	6
Diphtheria.....	417	290	138	Paratyphoid fever.....	2	2	1
Dysentery (amebic).....	3	5	12	Pneumonia (all forms).....	201	380	621
Dysentery (bacillary).....	266	167	161	Poliomyelitis.....	59	29	11
Hookworm disease.....		237	275	Rabies in man.....		1	
Influenza.....	565	1,266	1,206	Scarlet fever.....	242	363	496
Malaria.....	10,516	5,539	3,327	Smallpox.....		3	3
Measles.....	285	641	1,880	Trachoma.....		7	3
Mumps.....	49	43	69	Trichinosis.....	2		
Ophthalmia neonatorum.....	11	11	9	Tuberculosis (all forms).....	453	406	414
Pellagra.....	265	184	146	Typhoid fever.....	87	41	41
Pneumonia (all forms).....	417	849	1,266	Whooping cough.....	185	246	377
Poliomyelitis.....	7	3	1	<b>New Mexico:</b>			
Purpural septicemia.....	69	43	52	Chicken pox.....	25	36	37
Rabies (in man).....	3	1	2	Conjunctivitis (contagious).....	7		
Rabies (in animals).....	10	12	14	Diphtheria.....	68	54	31
Scarlet fever.....	67	88	37	Dysentery.....	2	1	1
Smallpox.....	8	40	52	German measles.....	2		
Trachoma.....	5		3	Influenza.....	1	5	2
Tuberculosis (all forms).....	222	219	219	Malaria.....	8	1	
Typhoid fever.....	148	81	46	Measles.....	58	146	55
Whooping cough.....	585	729	758	Mumps.....	12	16	33
<b>Montana:</b>				Pellagra.....	1		
Anthrax.....			1	Pneumonia (all forms).....	6	7	9
Cerebrospinal meningitis (epidemic).....	3		3	Poliomyelitis.....	1		
Chicken pox.....	121	270	130	Scarlet fever.....	37	36	43
Diphtheria.....	49	56	39	Septic sore throat.....		4	
Influenza.....	5	3		Tetanus.....			1
Lethargic encephalitis.....		1	1	Trachoma.....	2	13	1
Measles.....	305	672	956	Tuberculosis (all forms).....	88	70	66
Mumps.....	3	10	3	Typhoid fever.....	85	33	25
Pneumonia (all forms).....	5	5	7	Whooping cough.....	10	15	9
Poliomyelitis.....	1	4					



# STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

## SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>New York:</b>				<b>Ohio—Continued.</b>			
Anthrax.....	1	1	1	Measles.....	300	469	532
Cerebrospinal meningitis (epidemic).....	18	13	9	Mumps.....	102	263	402
Chicken pox.....	938	2,454	3,563	Occupational diseases and disabilities.....	38	27	46
Diphtheria.....	1,462	1,876	1,761	Ophthalmia.....	152	144	121
Dysentery.....	9	3	1	Paratyphoid fever.....	25	1	8
German measles.....	31	66	92	Poliomyelitis.....	25	1	4
Influenza.....	87	174	186	Pneumonia (all forms).....	230	314	405
Lethargic encephalitis.....	37	35	30	Puerperal septicemia.....	3	1	2
Malaria.....	17	18	3	Rabies in man.....	2	2	2
Measles.....	1,675	3,327	4,760	Scarlet fever.....	1,689	2,038	1,715
Mumps.....	332	639	1,075	Septic sore throat.....	58	55	83
Ophthalmia neonatorum.....	3	6	1	Smallpox.....	65	185	291
Paratyphoid fever.....	6	1	6	Tetanus.....	1	4	4
Pneumonia (all forms).....	1,105	1,769	2,275	Trachoma.....	10	2	9
Poliomyelitis.....	197	75	36	Tuberculosis (all forms).....	437	444	646
Puerperal septicemia.....	8	7	11	Typhoid fever.....	302	109	60
Rabies.....	1	1	1	Typhus fever.....	1	1	1
Scarlet fever.....	905	1,636	2,205	Whooping cough.....	469	492	483
Septic sore throat.....	16	63	25	<b>Oklahoma:</b>			
Smallpox.....	2	22	56	Cerebrospinal meningitis.....	1	1	1
Tetanus.....	13	9	8	Diphtheria.....	104	84	59
Trachoma.....	11	11	6	Dysentery.....	30	9	3
Tuberculosis (all forms).....	1,783	1,594	1,218	Influenza.....	37	40	41
Typhoid fever.....	281	186	92	Lethargic encephalitis.....	1	1	1
Typhus fever.....	3	3	3	Malaria.....	2	61	2
Vincent's angina.....	12	11	20	Measles.....	48	29	95
Whooping cough.....	1,033	1,350	1,700	Pellagra.....	1	1	1
<b>North Carolina:</b>				Pneumonia (all forms).....	31	42	46
Cerebrospinal meningitis (epidemic).....	2	3	3	Poliomyelitis.....	2	2	2
Chicken pox.....	80	530	758	Puerperal septicemia.....	1	1	3
Diphtheria.....	1,320	851	379	Scarlet fever.....	94	163	76
German measles.....	14	14	14	Smallpox.....	78	35	45
Measles.....	669	1,907	4,979	Trachoma.....	2	2	2
Ophthalmia noenatorum.....	2	1	1	Tuberculosis (all forms).....	48	35	27
Poliomyelitis.....	3	3	2	Typhoid fever.....	214	96	21
Scarlet fever.....	539	445	295	<b>Oregon:</b>			
Septic sore throat.....	20	16	8	Cerebrospinal meningitis (epidemic).....	2	1	1
Smallpox.....	94	228	413	Chicken pox.....	55	117	121
Trachoma.....	1	2	2	Diphtheria.....	131	155	331
Typhoid fever.....	136	61	42	Impetigo.....	46	1	3
Whooping cough.....	874	1,199	1,422	Influenza.....	1	1	2
<b>North Dakota:</b>				Lethargic encephalitis.....	1	1,614	3,123
Cerebrospinal meningitis (epidemic).....	3	1	1	Measles.....	413	11	11
Chicken pox.....	21	50	101	Mumps.....	5	11	11
Diphtheria.....	56	146	132	Pneumonia (all forms).....	2	2	1
Impetigo.....	1	9	1	Poliomyelitis.....	2	1	1
Influenza.....	1	2	4	Rabies (in animals).....	2	2	2
Lethargic encephalitis.....	1	2	4	Scarlet fever.....	73	101	102
Measles.....	262	465	903	Septic sore throat.....	1	1	1
Pneumonia (all forms).....	4	17	50	Smallpox.....	36	59	66
Poliomyelitis.....	3	4	2	Tuberculosis (all forms).....	44	37	44
Scarlet fever.....	183	213	298	Typhoid fever.....	39	15	11
Small pox.....	12	20	50	Whooping cough.....	7	13	8
Tetanus.....	1	1	1	<b>Pennsylvania:</b>			
Trachoma.....	2	5	5	Actinomycosis.....	1	1	1
Tuberculosis (all forms).....	12	22	37	Anthrax.....	2	1	1
Typhoid fever.....	12	28	16	Cerebrospinal meningitis (epidemic).....	14	7	10
Whooping cough.....	25	43	39	Chicken pox.....	1,372	3,452	4,189
<b>Ohio:</b>				Diphtheria.....	1,907	2,164	2,016
Cerebrospinal meningitis (epidemic).....	5	8	4	German measles.....	19	40	39
Chicken pox.....	685	1,939	2,261	Impetigo.....	101	114	47
Diphtheria.....	1,464	1,398	1,257	Leprosy.....	1	1	1
Diarrhea and enteritis (under 2 years).....	31	6	6	Lethargic encephalitis.....	9	1	7
Dysentery.....	1	2	2	Malaria.....	4	3	1
German measles.....	2	14	14	Measles.....	1,037	1,832	2,600
Influenza.....	8	49	48	Mumps.....	282	564	988
Lethargic encephalitis.....	1	1	1	Occupational diseases and disabilities.....	1	1	1
Malaria.....	3	1	1	Ophthalmia.....	14	5	9

STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER, 1923—Continued.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
Pennsylvania—Continued.				Vermont—Continued.			
Pellagra	1		1	Pneumonia( all forms)	2		1
Pneumonia (lobar)	290	404	503	Poliomyelitis	7		
Poliomyelitis	45	31	1	Scarlet fever	36	61	67
Puerperal septicemia	6	3	7	Smallpox	35	77	47
Scabies	65	78	37	Tuberculosis (pulmonary)	29	44	21
Scarlet fever	1,389	1,914	1,950	Typhoid fever	2	5	2
Smallpox	27	7	19	Whooping cough	262	355	344
Tetanus	8	6	1	Virginia:			
Trachoma	2		2	Anthrax	1		
Trichinosis		2		Cerebrospinal meningitis (epidemic)	6	9	11
Tuberculosis (all forms)	471	494	520	Chicken pox	134	493	800
Typhoid fever	392	230	152	Diphtheria	874	721	519
Whooping cough	883	889	1,074	Dysentery	97	63	49
Rhode Island:				Hookworm disease	23	17	10
Cerebrospinal meningitis (epidemic)	2			Influenza	546	802	1,500
Chicken pox	28	39	54	Malaria	343	174	108
Diphtheria	95	91	104	Measles	713	1,016	1,430
German measles		2	1	Pellagra	15	13	7
Malaria		1		Poliomyelitis	10	7	4
Measles	77	58	28	Scarlet fever	337	374	370
Mumps	4	4	4	Smallpox	8	16	25
Ophthalmia neonatorum	3	3		Tuberculosis (pulmonary)	259	200	276
Pneumonia (all forms)	1	8	2	Typhoid fever	200	106	70
Poliomyelitis	1	1		Whooping cough	586	790	1,297
Scarlet fever	59	134	246	Washington:			
Septic sore throat	2	2	2	Botulism	3		
Tetanus	1			Cerebrospinal meningitis (epidemic)	2		2
Tuberculosis (pulmonary)	39	37	30	Chicken pox	165	333	328
Tuberculosis (all forms)	47	42	35	Diphtheria	109	130	164
Typhoid fever	9	3	3	Dysentery	3		
Whooping cough	16	15	13	German measles	8		
South Carolina:				Impetigo contagiosa	2		5
Chicken pox	9	21	50	Lethargic encephalitis	8		1
Diphtheria	421	331	164	Measles	388	1,727	5,036
Dysentery	4			Mumps	24	109	98
Hookworm disease		17	1	Pneumonia (all forms)	21	11	16
Influenza	7	51	45	Poliomyelitis		1	3
Malaria	30	6	5	Rabies (in animals)	1		
Measles	33	165	690	Rocky Mountain spotted or tick fever	1		
Mumps	13	15	66	Scabies			2
Pellagra		1	26	Scarlet fever	178	221	292
Pneumonia (all forms)	1	7		Smallpox	50	167	249
Poliomyelitis		1		Tuberculosis (all forms)	166	156	147
Rabies (in animals)		14	22	Typhoid fever	75	58	27
Scarlet fever	22	26	16	Whooping cough	78	41	38
Septic sore throat	6	6		West Virginia:			
Smallpox	36	220	84	Cerebrospinal meningitis (epidemic)	1	11	
Tuberculosis (all forms)	4	7	3	Chicken pox	106	251	452
Typhoid fever	48	10	7	Diphtheria	356	276	222
Whooping cough	45	105	97	German measles			1
South Dakota:				Influenza	32	39	123
Cerebrospinal meningitis (epidemic)	2		2	Measles	41	45	88
Chicken pox	23	117	165	Ophthalmia neonatorum			2
Diphtheria	116	88	46	Poliomyelitis	2		2
Influenza		4	7	Scarlet fever	340	315	271
Measles	258	332	893	Smallpox		9	12
Mumps	1	18	94	Tuberculosis (all forms)	51	35	55
Pneumonia (all forms)	14	17	40	Typhoid fever	285	93	44
Poliomyelitis	8	3		Whooping cough	126	156	183
Puerperal septicemia			1	Wisconsin:			
Scarlet fever	173	185	256	Cerebrospinal meningitis (epidemic)	12	6	4
Smallpox	24	7	13	Chicken pox	459	1,036	1,375
Trachoma	1	1	3	Diphtheria	719	707	588
Trichinosis			10	German measles	7	4	7
Tuberculosis (all forms)	11	12	25	Influenza	47	73	109
Typhoid fever	11	1	4	Lethargic encephalitis	2	4	2
Whooping cough	19	99		Measles	817	937	1,358
Vermont:							
Chicken pox	39	152	187				
Diphtheria	36	34	21				
Measles	302	592	503				
Mumps	13	13	34				

**STATE REPORTS FOR OCTOBER, NOVEMBER, AND DECEMBER,  
1923—Continued.**

**SUMMARY OF DISEASES—Continued.**

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Oct.	Nov.	Dec.		Oct.	Nov.	Dec.
<b>Winconsin—Continued.</b>				<b>Wyoming:</b>			
Mumps.....	12	33	36	Botulism.....		1	
Ophthalmia neonatorum.....	4	1	1	Chicken pox.....	66	46	109
Pneumonia (all forms).....	39	54	127	Diphtheria.....	27	4	11
Poliomyelitis.....	9	6	5	Influenza.....		8	14
Scarlet fever.....	736	924	1,196	Measles.....	153	206	453
Smallpox.....	111	65	110	Mumps.....			2
Trachoma.....		1		Pneumonia (all forms).....	5	7	2
Tuberculosis (all forms).....	180	198	156	Scarlet fever.....	20	27	33
Typhoid fever.....	46	53	19	Tuberculosis (all forms).....	1		
Whooping cough.....	470	745	770	Typhoid fever.....	19	3	1
				Whooping cough.....	52	40	99

## FOREIGN AND INSULAR.

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### SMALLPOX ON VESSEL.

#### Schooner "Annie M. Parker"—From Oporto, Portugal.

Information dated March 1, 1924, shows the arrival at Liverpool, England, February 28, 1924, via Hull, of three members of the crew of the schooner *Annie M. Parker*, abandoned at sea in the Atlantic after removal of the crew to a vessel bound for Rotterdam, Netherlands, January 23, 1924. The three seamen had been attacked by smallpox on the *Annie M. Parker*, the infection being stated to have been acquired at Oporto. After four weeks in hospital at Rotterdam, they were discharged, and were en route to Newfoundland when detained at Liverpool.

### BRAZIL.

#### Disease Prevalence—Santos and Vicinity.

Information received under date of February 20, 1924, shows malaria to be generally diffused in Santos and the surrounding country and to rank next to tuberculosis as a cause of death. Epidemic measles has been reported continuously present since August, 1923. Syphilis was stated to have been made a notifiable disease by the local health authorities.

#### Plague—Porto Alegre.

During the week ended February 16, 1924, a death from plague was notified at Porto Alegre, Brazil. The existence of several cases was reported during the same period by the local press.

### CHINA.

#### Lethargic Encephalitis—Harbin, Manchuria.

Press reports from Harbin, China, dated February 14, 1924, show the occurrence of four cases of lethargic encephalitis with one death at Harbin. Several other cases were reported in hospitals.

## CZECHOSLOVAKIA.

## Communicable Diseases—October–December, 1923.

Communicable diseases were reported in the five Provinces of Czechoslovakia during the three months ended December 31, 1923, as follows:

Disease.	Cases.	Deaths.	Provinces reporting the greatest number of cases and deaths.
Cerebrospinal meningitis .....	23	15	Bohemia; Cases, 12; deaths, 9.
Diphtheria .....	1,066	76	Bohemia; Cases, 599; deaths, 34.
Malaria .....	8	-----	Slovakia; Cases, 4.
Scarlet fever .....	4,492	248	Moravia; Cases, 1,750; deaths, 69.
Smallpox .....	1	1	Slovakia.
Trachoma .....	709	-----	Slovakia; Cases, 445.
Typhoid fever <sup>1</sup> .....	2,049	143	Slovakia; Cases, 834; deaths, 43.
Typhus fever .....	21	-----	Russia; cases, 20.

<sup>1</sup> Paratyphoid A, 1 case, Bohemia; Paratyphoid B, 13 cases—Bohemia, 10; Silesia, 3.

## Anthrax—Dysentery—Rabies.

During the period under report, 7 cases of anthrax with 1 death, of which 4 cases occurred in the Province of Slovakia; 571 cases of dysentery with 56 deaths, of which 356 cases occurred in Slovakia; and 8 fatal cases of rabies, of which 7 cases occurred in Bohemia, were reported in Czechoslovakia.

## DANZIG-POLISH FRONTIER.

## Typhus Fever.

Under date of March 6, 1924, typhus fever was reported present on the Danzig-Polish frontier, at Mühlbanz, with origin of the infection in the village of Mallinia. Cases were stated to be present in eight families.

## EGYPT.

## Plague—January–February, 1924.

During the period from January 1 to February 28, 1924, 39 cases of plague with 24 deaths were reported in Egypt. Of these, 6 cases occurred at Suez. For distribution of occurrence according to city and province, see page 726.

## ESTHONIA.

## Communicable Diseases—January, 1924.

Communicable diseases were reported in Esthonia during the month of January, 1924, as follows:

Disease.	Cases.	Remarks.
Diphtheria .....	49	Paratyphus fever: Cases, 6.
Measles .....	11	
Scarlet fever .....	87	
Smallpox .....	9	
Tuberculosis .....	154	
Typhoid fever .....	53	

Population, 1,109,479 (estimated officially).

**Leprosy.**

During the period under report, one case of leprosy was notified in the Republic of Esthonia.

**GREAT BRITAIN.****Smallpox—Liverpool, England.**

During the week ended March 8, 1924, a case of smallpox was reported at Liverpool, England, developing in the family of a seaman arrived from Oporto, Portugal, February 3, 1924. Three seamen were reported, March 1, 1924, as arriving at Liverpool, February 28, from Rotterdam via Hull, with history of smallpox outbreak at sea in a vessel recently from Oporto, the vessel having been abandoned at sea.<sup>1</sup>

**MADAGASCAR.****Plague—Vicinity of Tananarive.**

Information received under date of February 4, 1924, shows that country districts surrounding the town of Tananarive, Madagascar, have been declared infected with plague. The area was stated to comprise about 200,000 inhabitants.

**RUSSIA.****Communicable Diseases—Ukraine—August and September, 1923.**

Communicable diseases were reported in the Ukraine, Russia, during the months of August and September, 1923, as follows:

Disease.	August, 1923.	Septem- ber, 1923.
Diphtheria.....	1,086	1,171
Lethargic encephalitis.....	9	20
Malaria.....	79,030	58,988
Measles.....	879	580
Scarlet fever.....	1,683	2,321
Smallpox.....	77	66
Typhoid fever.....	2,179	2,286
Typhus fever.....	454	314
Typhus fever, recurrent.....	1,366	941
Whooping cough.....	5,708	3,991

Population, 26,000,000.

**Anthrax—Dysentery.**

Anthrax and dysentery were reported in the Ukraine as follows:  
 Month of August, 1923—Anthrax, 443 cases; dysentery, 4,411 cases.  
 Month of September, 1923—Anthrax, 252 cases; dysentery, 3,061 cases.

<sup>1</sup> See page 722. Also, Public Health Reports, Mar. 21, 1924, p. 601.

## UNION OF SOUTH AFRICA.

## Plague—Orange Free State.

Plague has been reported in the Orange Free State, Union of South Africa, as follows: Week ended February 2, 1924—12 new cases, 5 in the white and 7 in the colored population, with 2 deaths among natives. The cases occurred in 10 localities in the Kroonstad district. Week ended February 9, 1924—18 new cases, 1 in the white and 17 in the native population, with 11 deaths among natives. The occurrence was in 10 localities of the Kroonstad district, 1 case in the Hoopstad district, and 1 in Winburg district. The death of a white patient, whose case was reported during the preceding week, was reported. The total number of cases reported from December 16, 1923, to February 9, 1924, was 54 (white, 17, with 5 deaths; colored, 37, with 24 deaths).

## VIRGIN ISLANDS.

## Communicable Diseases—February, 1924.

Communicable diseases were reported in the Virgin Islands of the United States during the month of February, 1924, as follows:

Island and disease.	Cases.	Remarks.
St. Thomas and St. John:		
Chancroid.....	1	
Dengue.....	1	
Dysentery.....	2	Unclassified.
Fish poisoning.....	1	
Gonorrhea.....	3	
Tuberculosis.....	5	Chronic pulmonary. Imported, 1.
St. Croix:		
Chancroid.....	2	
Filariasis.....	11	Bancrofti.
Gonorrhea.....	2	
Syphilis.....	5	Secondary. Imported, 1.
Uncinariasis.....	1	Necator Americanus.

## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

The reports contained in the following tables must not be considered as complete or final as regards either the lists of countries included or the figures for the particular countries for which reports are given.

Reports Received During Week Ended April 4, 1924.<sup>1</sup>

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Jan. 13-19, 1924: Cases, 1,089; deaths, 642.
Bombay.....	Feb. 3-16.....	17	17	
Calcutta.....	Feb. 10-23.....	39	33	
Rangoon.....	Feb. 10-16.....	2	2	
Philippine Islands:				
Manila.....	Feb. 3-9.....	1	1	

<sup>1</sup>From medical officers of the Public Health Service, American consuls, and other sources.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received During Week Ended April 4, 1924—Continued.**

**PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Porto Alegre	Feb. 10-16		1	
Ceylon:				
Colombo	do.	5	2	Plague rats, 2.
Egypt:				Jan. 1-Feb. 23, 1924: Cases, 39; deaths, 24.
City—				
Suez	Jan. 2-Feb. 16	6	3	
Province—				
Charkieh	Jan. 31	1	1	
Fayoum	Feb. 18	1	1	
Girgeh	Jan. 17-Feb. 11	3	2	
Kalioubiah	Jan. 6	1		
Menoufieh	Jan. 2-Feb. 23	26	16	
Minia	Feb. 5	1	1	
India:				Jan. 13-19, 1924: Cases, 4,870; deaths, 3,679.
Calcutta	Feb. 17-23	1	1	
Karachi	do.	1	1	
Madras	do.	101	72	
Rangoon	Feb. 10-16	15	12	
Indo-China:				
Saigon	Jan. 27-Feb. 2	1		Including 100 square kilometers of surrounding country.
Java:				
East Java—				
Soerabaya	Jan. 6-19	5	5	
Madagascar:				
Tananarive	Feb. 4			Country districts in vicinity stated to be plague infected.
Straits Settlements:				
Singapore	Feb. 3-9	2	1	
Union of South Africa:				
Orange Free State				Jan. 27-Feb. 9, 1924: Cases, 30; deaths, 13. (White cases, 6; colored cases, 24; deaths, 13). Feb. 10: Death of case (white) previously reported. Total, Dec. 16, 1923-Feb. 9, 1924: Cases, 54; deaths, 29. (White cases, 17; deaths, 5. Colored cases, 37; deaths, 24.)
Iioopstad district	Feb. 3-9	1		
Kroonstad district	Jan. 29-Feb. 9	28	13	
Winburg district	Feb. 3-9	1		

**SMALLPOX.**

Brazil:				
Pernambuco	Feb. 10-16		1	
Porto Alegre	Feb. 3-16		3	
Canada:				
Alberta—				
Calgary	Mar. 2-15	12		
Ontario—				
London	Mar. 9-15	1		
Toronto	Mar. 9-22	8	1	
China:				
Amoy	Feb. 3-9		3	Including Kulangsu, 14 deaths, and in hospital, Feb. 9, 1924, more than 30 cases stated to be present.
Chungking	Jan. 27-Feb. 2			Present.
Czechoslovakia				Oct. 1-Dec. 31, 1923: Cases, 1; deaths, 1. Occurring in Slovakia.
Esthonia				Jan. 1-31, 1924: Cases, 9.
Great Britain:				
Liverpool	Mar. 2-8	1		In family of seaman recently returned from Oporto, Portugal.
India:				Jan. 13-19, 1924: Cases, 1,370; deaths, 412.
Bombay	Feb. 3-16	97	45	
Karachi	Feb. 17-23	7	1	
Madras	do.	20	2	
Rangoon	Feb. 10-16	2		
Indo-China:				
Saigon	Jan. 27-Feb. 16	145	77	



## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

### Reports Received During Week Ended April 4, 1924—Continued.

#### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Iraq:				
Bagdad.....	Jan. 22-28.....	6	5	
Japan:				
Kobe.....	Feb. 23-29.....	1		
Java:				
East Java— Soerabaya.....	Jan. 6-19.....	30	3	
Mexico:				
Mexico City.....	Feb. 17-23.....	5		Including municipalities in Federal District.
Palestine:				
Jerusalem.....	Feb. 18-25.....	1		
Portugal:				
Lisbon.....	Feb. 17-Mar. 1.....	22	1	
Oporto.....	Mar. 2-8.....	9	7	
Russia:				
Ukraine.....				August, 1923: Cases, 77. September, 1923: Cases, 66.
Spain:				
Valencia.....	Mar. 2-8.....	20	4	
Switzerland:				
Berne.....	Nov. 17-23.....	3		
Syria:				
Beirut.....	Jan. 21-31.....	1		
Damascus.....	Jan. 29-Feb. 12.....	15		
Turkey:				
Constantinople.....	Feb. 10-16.....		1	
Union of South Africa:				
Cape Province.....	Feb. 3-9.....			Outbreaks. Do.
Orange Free State.....	Jan. 27-Feb. 2.....			
On vessel:				
Schooner Annic M. Parker.....	Jan. 23.....	3		At sea. Vessel abandoned and crew removed to vessel bound for Rotterdam. Patients arrived at Liverpool, Feb. 23, bound for Newfoundland.

#### TYPHUS FEVER.

Chile:				
Talcahuano.....	Feb. 17-23.....	1		Reports from two districts of the province of Valparaiso. Oct.-Dec., 1923: Cases, 21.
Valparaiso.....	Dec. 30-Jan. 12.....		15	
Czechoslovakia:				
Danzig—Polish Frontier:				
Mühlbanz.....	Mar. 6.....			Present. Origin stated to be focus at Mallinia. January, 1924: Paratyphus fever, 6 cases.
Estonia.....				
Greece:				
Athens.....	Feb. 14-20.....		6	
Hungary:				
Budapest.....	Feb. 17-23.....	2	1	
Mexico:				
Mexico City.....	Do.....	9		Including municipalities in Federal District.
Palestine:				
Jerusalem.....	Feb. 19-25.....	1		
Russia:				
Ukraine.....				August, 1923: Cases, 454. September, 1923: Cases, 314. Recurrent typhus: August, 1923: Cases, 1,366; September, 1923: Cases, 941.
Union of South Africa:				
Cape Province.....	Jan. 27-Feb. 9.....			Outbreaks. Do. Do.
Natal.....	Jan. 27-Feb. 2.....			
Orange Free State.....	Feb. 3-9.....			
Transvaal— Johannesburg.....	Feb. 10-16.....	2		
Venezuela:				
Maracaibo.....	Feb. 17-Mar. 1.....		2	

## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 29, 1923, to March 28, 1924.<sup>1</sup>

### CHOLERA.

China:				
Hongkong.....	Nov. 18-24.....	1		
India.....				Oct. 14-Dec. 22, 1923: Cases, 14,117; deaths, 9,148.
Do.....				Dec. 30, 1923-Jan. 12, 1924: Cases, 2,625; deaths, 1,737.
Bombay.....	Dec. 23-29.....	1	1	
Calcutta.....	Nov. 11-Dec. 29.....	85	69	
Do.....	Dec. 30-Feb. 9.....	138	116	
Madras.....	Nov. 25-Dec. 29.....	15	5	
Do.....	Dec. 30-Feb. 16.....	22	10	
Rangoon.....	Nov. 11-Dec. 29.....	8	5	
Do.....	Feb. 3-9.....	1	1	
Indo-China:				
Saigon.....	Dec. 31-Jan. 5.....	1	1	Including 100 square kilometers in surrounding country.
Siam:				
Bangkok.....	Nov. 18-Dec. 8.....	4	2	
Do.....	Dec. 31-Jan. 19.....	6	4	
Turkey:				
Constantinople.....	Dec. 2-8.....		1	

### PLAGUE.

Azores:				
St. Michael Island.....	Oct. 20-Nov. 10.....	9	5	At localities 3 to 9 miles from port of Ponta Delgada.
Bolivia:				
La Paz.....	Oct. 1-31.....		3	
Brazil:				
Bahia.....	Nov. 11-Dec. 22.....	5	3	
Do.....	Dec. 30-Jan. 19.....	4	5	
Rio de Janeiro.....	Jan. 20-26.....	1		
British East Africa:				
Kenya—				
Mombasa.....	Oct. 14-20.....	1	1	Infected rats, 2. Dec. 9-15, 1923: Cases, 4; deaths, 2; removed from vessel arrived Dec. 11, 1923.
Do.....	Dec. 30-Jan. 5.....	1	1	
Nairobi.....	Nov. 1-21.....	40		In rural districts, several hundred.
Tanganyika.....				To Nov. 24, 1923: Cases, 39; deaths, 25.
Uganda:				
Entebbe.....	Aug. 1-Oct. 31.....	734	719	
Canary Islands:				
Las Palmas.....	Oct. 15-Nov. 15.....	14	14	
Santa Cruz de Teneriffe.....	Feb. 19.....	2		
San Juan de la Rambla.....	Dec. 11.....	1		Locality 52 km. from Teneriffe.
Celebes Island.....	Nov. 30.....			Epidemic.
Ceylon:				
Colombo.....	Nov. 11-Dec. 29.....	31	21	Plague rodents, 24.
Do.....	Dec. 30-Feb. 9.....	57	57	Plague rodents, 26.
China:				
Nanking.....	Dec. 16-29.....			Present.
Do.....	Dec. 30-Feb. 9.....			Do.
Ecuador:				
Guayaquil.....	Nov. 16-Dec. 31.....	45	13	Rats taken, 53,240; found infected, 133.
Do.....	Jan. 1-31.....	50	16	Rats taken, 36,650; found infected, 247.
Do.....	Feb. 1-15.....	21	7	Rats taken, 20,479; found infected, 90.
Jipijapa.....	Nov. 16-Dec. 15.....			Present.
Quevedo.....	Jan. 1-31.....	3	2	
Quito.....	Nov. 1-30.....	11	1	
Vino del Milagro.....	Dec. 1-15.....	1		
Egypt:				
City—				Jan. 1-Dec. 31, 1923: Cases, 1,519; deaths, 725.
Alexandria.....		65	33	Last case, Nov. 29.
Cairo.....		2	2	Last case, Dec. 25.
Port Said.....		51	29	Last case, Sept. 10.
Suez.....		46	24	Last case, Dec. 30.
Province—				
Assiout.....		370	211	Last case, Aug. 6.
Beni-Souef.....		63	23	Last case, Dec. 2.
Dakhalieh.....		2	2	Last case, Aug. 29.
Fayoum.....		34	9	Last case, July 27.

<sup>1</sup>From medical officers of the Public Health Service, American consuls, and other sources.

# CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 29, 1923, to March 28, 1924—Continued.

## PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt—Continued.				
Province—Continued.				
Gharbieh.....		23	9	Last case, Dec. 12.
Girgah.....		337	193	Last case, Dec. 13.
Gizah.....		3	4	Last case, May 3.
Kalioubiah.....		76	10	Last case, Dec. 16.
Kena.....		50	24	Last case, Dec. 5.
Menoufieh.....		290	98	Last case, Dec. 27.
Minia.....		106	44	Last case, Dec. 30.
Hawaii:				
Honokaa.....				Jan. 8-10, 1924: Three plague-infected rodents.
Paauihau.....				Dec. 14, 1923: One plague rat.
				Feb. 14, 1924: One plague rat.
India.....				
Do.....				Oct. 14-Dec. 29, 1923: Cases, 34,542; deaths, 23,778.
Bombay.....	Oct. 28-Dec. 22.....	5	5	Dec. 30, 1923-Jan. 12, 1924: Cases, 6,555; deaths, 4,706.
Do.....	Dec. 30-Feb. 2.....	6	5	
Calcutta.....	Dec. 23-29.....	1	1	
Do.....	Jan. 6-12.....	1	1	
Karachi.....	Nov. 11-Dec. 20.....	42	33	
Do.....	Dec. 30-Feb. 16.....	4	1	
Madras Presidency.....	Nov. 4-Dec. 29.....	1,657	1,021	
Do.....	Jan. 27-Feb. 16.....	403	241	
Rangoon.....	do.....	20	15	
Do.....	Dec. 30-Feb. 9.....	35	36	
Indo-China:				
Saigon.....	Oct. 28-Dec. 8.....	19	6	Including 100 square kilometers in surrounding country.
Iraq:				
Bagdad.....	Nov. 11-Dec. 29.....	8	6	
Do.....	Jan. 6-21.....	9	3	
Java.....				
Province—				
Djakakarta.....	Oct. 1-Dec. 31.....		146	
Kedoe.....	do.....		1,287	
Pekalongan.....	do.....		150	
Samarang.....	do.....		430	
Soerabaya.....	do.....		9	
Do.....	Dec. 26-Jan. 7.....	18	18	Nov. 11-24, 1923: Cases, 2; deaths, 2.
Soerakarta.....	do.....		886	2. Dec. 9-15, 1923: Cases, 2; deaths, 2.
Madagascar:				
Tananarive Province.....	Oct. 1-Dec. 31.....	324	272	Bubonic, pneumonic, septicemic.
Tananarive town.....	do.....	74	74	
Paraguay:				
Asuncion.....	Dec. 18.....	6	4	
Peru.....				
Locality—				
Callao.....	Jan. 1-31.....	2		Nov. 1-Dec. 31, 1923: Cases, 38; deaths, 24. Jan. 1-31, 1924: Cases, 37; deaths, 15.
Canete.....	Nov. 1-30.....	1	1	
Chancay.....	Dec. 1-31.....	2		
Chepen.....	Nov. 1-30.....	1		
Chilayo.....	Nov. 1-Dec. 31.....	2	1	
Chilca.....	Jan. 1-31.....	1		
Huarmey.....	do.....	6		
Lima (city).....	Nov. 1-Dec. 31.....	22	15	
Do.....	Jan. 1-31.....	25	14	
Lima (country).....	Nov. 1-Dec. 31.....	8	7	
Do.....	Jan. 1-31.....	3	1	
Lurin.....	do.....	2		
Portugal:				
Lisbon.....	Dec. 13-21.....	7		
Do.....	Dec. 31-Jan. 6.....		1	
Portuguese West Africa:				
Angola—				
Loanda.....	Oct.-Nov.....	59	23	
Russia:				
Bukeeve Province.....				
				Oct. 1, 1923-Feb. 4, 1924: Cases, 319; deaths, 294. 66 plague centers.
Ural Provinces.....				
				Oct. 1, 1923-Feb. 4, 1924: Cases, 441. 4 plague centers.
Siam:				
Bangkok.....	Nov. 4-Dec. 8.....	3	2	
Do.....	Jan. 13-19.....	1	1	

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**

**Reports Received from December 29, 1923, to March 28, 1924—Continued.**

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Siberia: Transbaikalia— Chita.....	Jan. 27.....	2	2	Pneumonic. Occurring in veterinary laboratory workers.
Spain: Malaga.....	Dec. 1-31.....	4		
Straits Settlements: Singapore.....	Nov. 11-Dec. 22.....	4	4	
Do.....	Dec. 30-Feb. 2.....	8	7	
Syria: Beirut.....	Nov. 1-Dec. 10.....	3		
Do.....	Jan. 1-10.....	1		
Turkey: Constantinople.....	Dec. 2-22.....	6	3	
Union of South Africa: Cape Province— Uitenhage district.....	Dec. 9-15.....			
Orange Free State— Kroonstad district.....	Dec. 16-27.....	7	3	
Do.....	Jan. 6-26.....	15	7	Vicinity of Hoopstad. At Hoopstad, Dec. 9-15, 1923, one death of case previously reported.
Wonderfontein farm.....	Dec. 2-8.....	4		
On vessels: .....	Dec. 11.....	4	2	At Mombasa, British East Africa. At Varna, Bulgaria, from Syrian port.
.....	Jan. 24.....	2		

**SMALLPOX.**

Algeria: Algiers.....	Nov. 1-30.....	1		Imported.
Arabia: Aden.....	Dec. 16-22.....	1		
Do.....	Jan. 13-19.....	1		
Belgium: Brussels.....	do.....	10		
Bolivia: La Paz.....	Oct. 1-Dec. 31.....	45	15	
Do.....	Jan. 1-31.....	6	2	
Brazil: Bahia.....	Jan. 6-12.....	2		
Pernambuco.....	Nov. 4-Dec. 1.....	15	3	
Do.....	Jan. 6-26.....		6	
Porto Alegre.....	Dec. 23-29.....		1	
Do.....	Dec. 30-Jan. 5.....		1	
Rio de Janeiro.....	Nov. 18-24.....	3	1	
Do.....	Jan. 6-26.....	3	1	
Sao Paulo.....	Sept. 3-9.....	1		
British East Africa: Tanganyika Territory.....	Sept. 30-Oct. 27.....	14	1	
Do.....	Nov. 25-Dec. 29.....	8	3	
Uganda.....	Sept. 1-30.....	6	1	
Entebbe.....	Oct. 1-Nov. 30.....	4	1	
Zanzibar.....	Sept. 1-Oct. 31.....	116	18	Sept. 1-30, 1923: In areas 27 miles from town of Zanzibar. Oct. 1-31, 1923: In vicinity, 1 case, 1 death. In Mikotoni district, 30 cases, 14 deaths reported.
Canada: Alberta— Calgary.....	Jan. 27-Mar 1.....	15		
British Columbia— Vancouver.....	Dec. 22-29.....	10		
Do.....	Dec. 30-Feb. 23.....	54		
Victoria.....	Feb. 10-Mar. 1.....	2		
Manitoba— Winnipeg.....	Nov. 25-Dec. 29.....	21		
Do.....	Dec. 30-Mar. 8.....	60		
New Brunswick— Frederickton.....	.....			Feb. 1-29, 1924: Cases 3.
Gloucester County.....	Mar. 2-8.....			
Madawaska County.....	Dec. 8-15.....	1		

# CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 29, 1923, to March 28, 1924—Continued.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
New Brunswick—Contd.				
Restigouche County	Feb. 10-16	2		Jan. 1-Feb. 29, 1924: Cases, 3.
Victoria County	do	3		
Westmoreland County	do			
Ontario				
Fort William and Port Arthur.	Dec. 16-29	3		Jan. 1-Feb. 29, 1924: Cases, 176. Occurring at Fort William.
London	Feb. 3-Mar. 1	2		
North Bay	do	1		
Perth	Mar. 4	3		
Toronto	Jan. 17-Mar. 8	4		
Windsor	Feb. 1-Mar. 15	44	10	
Quebec—				
Montreal	Nov. 30-Feb. 23	7		
Saskatchewan—				
Regina	Dec. 9-15	1		
Do	Dec. 30-Feb. 23	6	1	
Ceylon:				
Colombo	Nov. 11-17	1		Port case
Do	Jan. 20-Feb. 2	5	1	
Chile:				
Antofagasta	Jan. 6-19	4	1	
Concepcion	Oct. 1-Dec. 31		14	
Talcahuano	Nov. 26-Dec. 2	3		Dec. 22, 1923: Five cases present.
Valparaiso	Dec. 9-15		1	
China:				
Amoy	Nov. 18-Dec. 8			Present.
Do	Jan. 6-Feb. 16		6	
Antung	Dec. 31-Feb. 3	2	2	
Canton	Dec. 23-Jan. 13			Do.
Chungking	Nov. 4-Dec. 29			Present and endemic.
Do	Dec. 30-Jan. 26			Present.
Foochow	Nov. 4-Dec. 15			Do.
Do	Dec. 31-Feb. 2			Do.
Hongkong	Oct. 28-Dec. 29	718	630	
Do	Dec. 30-Jan. 19	292	322	
Manchuria—				
Dairen	Dec. 31-Jan. 20	2		
Harbin	Nov. 12-Dec. 22	36		
Do	Jan. 1-Feb. 18	9	5	
Nanking	Dec. 2-15			Do.
Do	Dec. 30-Jan. 26			Do.
Shanghai	Dec. 29			Prevalent.
Do	Jan. 6-Feb. 9	19	41	Cases, foreign.
Chosen (Korea):				
Chemulpo	Jan. 1-31	1		
Seoul	Nov. 1-30	1		
Colombia:				
Buenaventura	Nov. 18-Dec. 15	8		
Costa Rica:				
Port Limon	Feb. 18-24	1		
Dominican Republic:				
La Romana	Jan. 27-Feb. 2	8		
Ecuador:				
Esmeraldas	Nov. 16-30	4		
Guayaquil	Dec. 1-31	1		
Do	Jan. 1-Feb. 15	2		
Quito	Nov. 1-30	167	26	
Egypt:				
Port Said	Nov. 24-Dec. 2	1		
Esthonia				
				Nov. 1-30, 1923: Cases, 32. Dec. 1-31, 1923: Cases, 6.
France:				
Cherbourg	Feb. 9-15	1		British seaman.
Greece:				
Saloniki	Oct. 22-Dec. 30		11	
Do	Dec. 31-Jan. 27	2	1	
Guadeloupe (West Indies)				
Abymes	Feb. 16			Jan. 2-16, 1924: Present. Present. Vicinity of Point à Pitre.
Basse Terre	Dec. 18			Present.
Do	Jan. 12-Feb. 16			Do.
Marie Galante Island	Dec. 18			Off shore island; present.
Do	Feb. 16			Present. Estimated 60 cases.
Moule	Jan. 12-Feb. 16			Present.
Point à Pitre	Dec. 18			Present in vicinity.

# CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 29, 1923, to March 28, 1924—Continued.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Haiti:				
Cape Haitien .....	Feb. 3-9 .....	3		
Hinche .....	Feb. 10-16 .....	1		
Port au Prince .....	Feb. 17-Mar. 1 .....	2	1	
India .....				Developed at Limbe, Haiti.
Do .....				Oct. 14-Dec. 29, 1923: Cases, 9,720; deaths, 2,241.
Do .....				Dec. 30, 1923-Jan. 12, 1924: Cases, 2,865; deaths, 929.
Bombay .....	Oct. 28-Dec. 29 .....	55	25	
Do .....	Dec. 30-Feb. 2 .....	113	53	
Calcutta .....	Dec. 16-29 .....	4	4	
Do .....	Dec. 30-Feb. 9 .....	5	5	
Karachi .....	Dec. 30-Feb. 16 .....	11	1	
Madras .....	Nov. 4-Dec. 29 .....	23	3	
Do .....	Dec. 30-Feb. 16 .....	54	2	
Rangoon .....	Nov. 4-Dec. 29 .....	12	4	
Do .....	Dec. 30-Feb. 9 .....	5	1	
Indo-China:				
City—				
Saigon .....	Nov. 4-Dec. 29 .....	133	74	Including 100 square kilometers of surrounding country.
Do .....	Dec. 31-Jan. 26 .....	139	88	
Iraq:				
Bagdad .....	Oct. 24-Dec. 29 .....	46	28	
Do .....	Dec. 30-Jan. 21 .....	37	27	
Italy:				
Trieste .....	Feb. 17-23 .....	4		
Turin .....	Feb. 18-24 .....	1		
Jamaica .....				Nov. 25-Dec. 29, 1923: Cases, 115.
Do .....				Dec. 30, 1923-Feb. 16, 1924: Cases, 153. Reported as alastrim.
Kingston .....	Nov. 25-Dec. 29 .....	3		
Do .....	Dec. 30-Feb. 2 .....	6		
Japan:				
Kobe .....	Feb. 14-20 .....	6	2	
Taiwan .....	Jan. 1-10 .....	6		
Tokyo .....	Jan. 1-Feb. 3 .....	79		
Java:				
East Java—				
Soerabaya .....	Oct. 23-Dec. 29 .....	348	60	
Do .....	Dec. 30-Jan. 5 .....	37	10	
West Java—				
Batavia .....	Oct. 27-Dec. 28 .....	65	13	
Do .....	Dec. 29-Jan. 18 .....	19	4	
Latvia .....				Oct. 1-31, 1923: Cases, 3. Nov. 1-30, 1923: Cases, 1. Dec. 1-31, 1923: Cases, 2.
Mexico:				
Guadalajara .....	Jan. 27-Feb. 23 .....		3	
Manzanillo .....	Dec. 4-10 .....	5	1	
Mexico City .....	Nov. 25-Dec. 29 .....	32		Including municipalities in Federal District.
Do .....	Jan. 30-Feb. 9 .....	65	23	
Salina Cruz .....	Jan. 1-31 .....	1		
Tampico .....	Jan. 21-Feb. 29 .....	24		From Irapuato, 9; La Barra, 1.
Vera Cruz .....	Nov. 3-Dec. 30 .....	1	4	
Do .....	Jan. 6-27 .....	1	2	
Netherlands:				
Rotterdam .....	Jan. 20-26 .....	3		
Palestine:				
Jaffa .....	Jan. 15-28 .....	3		
Persia:				
Teheran .....	Sept. 24-Dec. 23 .....		4	
Poland .....				Sept. 23-Dec. 8, 1923: Cases, 46; deaths, 7.
Portugal:				
Lisbon .....	Nov. 11-Dec. 29 .....	19	10	Corrected report.
Do .....	Dec. 31-Feb. 16 .....	45	9	
Oporto .....	Nov. 25-Dec. 29 .....	39	23	
Do .....	Dec. 30-Feb. 23 .....	56	32	
Portuguese East Africa:				
Lourenco Marques .....	Dec. 30-Jan. 5 .....	2		
Siam:				
Bangkok .....	Oct. 28-Dec. 8 .....	33	18	Nov. 25-Dec. 1, 1923: Epidemic.
Do .....	Dec. 30-Jan. 12 .....	2	1	
Siberia:				
Dauria Station .....	Oct. 21 .....			Present. Locality on Chita Railway, Manchurian frontier.

## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 29, 1923, to March 28, 1924—Continued.

### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Siberia: Transbaikalia— Chita.....	Jan. 27.....	2	2	Pneumonic. Occurring in veterinary laboratory workers.
Sierra Leone: Sherbro District— Tagbail.....	Nov. 1-15.....	3		
Spain: Barcelona.....	Nov. 15-Dec. 26.....		2	
Do.....	Jan. 3-9.....		2	
Valencia.....	Nov. 25-Dec. 29.....	152	12	
Do.....	Dec. 30-Mar. 1.....	213	21	
Straits Settlements: Singapore.....	Dec. 16-29.....	2	1	
Do.....	Dec. 30-Jan. 26.....	3		
Switzerland: Basel.....	Jan. 27-Feb. 9.....	4		Corrected.
Berne.....	Nov. 18-Dec. 22.....	12		
Do.....	Jan. 6-Feb. 16.....	11		
Lucerne.....	Nov. 1-30.....	34		
Do.....	Dec. 1-31.....	26		
Zurich.....	Jan. 27-Feb. 2.....	1		
Syria: Aleppo.....	Nov. 25-Dec. 1.....	1		In vicinity, at Djisir Choughour.
Damascus.....	Nov. 16-Dec. 15.....	7		
Tunis: Tunis.....	Oct. 27-Nov. 2.....	5	1	
Do.....	Jan. 8-Feb. 4.....	3	2	
Turkey: Constantinople.....	Nov. 11-Dec. 8.....	3		
Do.....	Jan. 6-12.....	1		
Union of South Africa: Cape Province.....	Oct. 28-Dec. 8.....			Oct. 1-31, 1923: Colored, cases, 41; deaths, 2; white, cases, 3. Outbreaks.
Do.....	Jan. 20-26.....			Do.
Natal.....	Oct. 28-Nov. 3.....			Do.
Northern Rhodesia.....	Dec. 4-31.....	40	5	Jan. 1-31, 1924: Cases, 50; deaths, 11; reported from Balovale, Kalabo, and Mankoya districts.
Orange Free State.....	Oct. 28-Nov. 24.....			Outbreaks.
Do.....	Jan. 20-26.....			Do.
Transvaal.....	Nov. 18-Dec. 1.....			Do.
Johannesburg.....	Nov. 25-Dec. 15.....	3		
Do.....	Feb. 3-9.....	1		Do.
Uruguay: Montevideo.....	Oct. 1-31.....	1		
Venezuela: Caracas.....	Jan. 22.....			Epidemic.
On vessels: S. S. Torres.....	Jan. 14.....	1		At New Orleans quarantine station from Tampico, Mexico, via ports. Case in seaman signed on at Galveston, Tex., on outward voyage.
S. S. Tupper.....	Jan. 20-26.....	1		At Gonaves, Haiti.
S. S. Vasari.....	Dec. 31.....	1		At Trinidad, West Indies, from Buenos Aires, Argentina. Vessel left Buenos Aires Dec. 15, 1923, for New York, via Santos, Rio de Janeiro, Trinidad, Barbados.

### TYPHUS FEVER.

Algeria: Algiers.....	Nov. 1-Dec. 31.....	7	3
Do.....	Jan. 1-Feb. 10.....	8	5
Bolivia: La Paz.....	Oct. 1-Dec. 31.....	43	5
Do.....	Jan. 1-31.....	4	1

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received from December 29, 1923, to March 28, 1924—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Bulgaria: Sofia.....				Nov. 18-Dec. 15, 1923: Paratyphus fever, cases, 17. Jan. 6-Feb. 9, 1924: Paratyphus fever, cases, 6.
Canary Islands: Teneriffe.....	Jan. 14-Feb. 17.....		2	
Chile: Antofagasta.....	Dec. 2-8.....	4		
Concepcion.....	Oct. 1-Nov. 30.....		4	Dec. 11-24, 1923: Deaths, 3.
Do.....	Jan. 8-28.....	2		In district, at 12 localities, 92 cases.
Iquique.....	Jan. 20-26.....		1	
Talcahuano.....				Dec. 5, 1923: 3 cases under treatment. Jan. 12, 1924: 1 case under treatment.
Do.....	Dec. 31-Feb. 9.....	3		Dec. 24, 1923: In hospital, 34 cases.
Valparaiso.....	Nov. 25-Dec. 15.....		29	
China: Antung.....	Nov. 12-Dec. 30.....	5		
Chungking.....	Nov. 18-24.....			Present.
Do.....	Dec. 16-29.....			Endemic.
Do.....	Dec. 30-Jan. 26.....			Do.
Ecuador: Quito.....	Nov. 1-30.....	14	1	
Egypt: Alexandria.....	Nov. 19-Dec. 23.....	3		
Do.....	Jan. 8-Feb. 25.....	4		
Cairo.....	Sept. 10-Dec. 31.....	39	11	
Esthonia.....				Nov. 1-30, 1923: Paratyphus fever, cases, 8. Dec. 1-31, 1923: Typhus fever, cases, 15. Paratyphus, cases, 4.
Finland.....				Dec. 1-15, 1923: Paratyphus fever, cases, 15.
Germany: Coblentz.....	Jan. 27-Feb. 2.....	1		
Greece: Athens.....	Jan. 11-20.....		1	
Saloniki.....	Nov. 26-Dec. 30.....	7	3	
Hungary: Budapest.....	Jan. 27-Feb. 16.....	11	6	July 1-Aug. 31, 1923: Cases, 24.
Java: East Java— Soerabaya.....	Dec. 9-29.....	12		
Do.....	Dec. 30-Jan. 5.....	2		
Latvia.....				Oct. 1-31, 1923: Cases, 12; paratyphus fever, 7; recurrent typhus, 3. Nov. 1-30, 1923: Case, 1; paratyphus fever, 2 cases. Dec. 1-31, 1923: Cases, 9; paratyphus, cases, 3.
Mexico: Durango.....	Dec. 1-31.....		2	
Do.....	Jan. 1-Feb. 29.....		3	
Guadalajara.....	Jan. 27-Feb. 16.....		2	
Mexico City.....	Nov. 25-Dec. 29.....	86		Including municipalities in Federal district.
Do.....	Dec. 30-Feb. 16.....	27	8	Do.
San Luis Potosi.....	Jan. 17-23.....		1	
Torreón.....	Feb. 1-29.....		2	
Norway: Stavanger.....	Dec. 25-31.....	1		
Palestine: Jaffa.....	Jan. 1-21.....	3		
Persia: Teheran.....	Sept. 24-Oct. 23.....		1	
Poland.....				Sept. 23-Dec. 8, 1923: Cases, 581; deaths, 49; recurrent typhus, cases, 49; deaths, 1.
Portugal: Oporto.....	Jan. 27-Feb. 2.....	2		
Rumania: Kishineff District.....	Nov. 1-Dec. 31.....	15		
Spain: Barcelona.....	Nov. 29-Dec. 12.....		2	
Do.....	Jan. 3-Feb. 13.....		5	
Madrid.....	Dec. 1-31.....		7	



## CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 29, 1923, to March 28, 1924—Continued.

### TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Syria:				
Damascus.....	Jan. 27-Feb. 2.....	1		
Tunis:				
Tunis.....	Feb. 5-11.....	1		
Turkey:				
Constantinople.....	Nov. 11-Dec. 29.....	15	1	
Do.....	Dec. 30-Jan. 26.....	6		
Union of South Africa.....				Oct. 1-31, 1923: Colored, 287 cases, 58 deaths; white, 2 cases; total, 289 cases, 58 deaths.
Cape Province.....				Oct. 1-31, 1923: Colored, cases, 245; deaths, 47.
Do.....	Oct. 28-Dec. 8.....			Outbreaks.
Natal.....				Oct. 1-31, 1923: Colored, cases, 4; deaths, 3.
Do.....	Oct. 28-Nov. 3.....			Outbreaks.
Durban.....	Nov. 24-Dec. 1.....	73		Cases occurring among native stevedores in the harbor area of the port and confined to one barracks.
Orange Free State.....				Oct. 1-31, 1923: Colored, cases, 25; deaths, 8.
Do.....	Dec. 15.....			Outbreaks.
Kroonstad District.....	Jan. 20-26.....			Outbreaks on two farms.
Transvaal.....				Oct. 1-31, 1923: Colored, cases, 13.
Do.....	Oct. 28-Dec. 1.....			Outbreaks.
Do.....	Jan. 1-31.....	4	1	
Johannesburg.....	Oct. 1-Dec. 31.....	3	4	
Do.....	Jan. 6-Feb. 2.....	5		
Potschefstrom District.....	Jan. 20-26.....			Outbreaks on seven farms.
Venezuela:				
Maracaibo.....	Dec. 16-22.....		1	
Yugoslavia:				
Croatia—				
Zagreb.....	Dec. 2-15.....	3		
Serbia—				
Belgrade.....	Nov. 25-Dec. 1.....	1		

### YELLOW FEVER.

Brazil:				
Pernambuco City.....	Nov. 16.....	3	2	

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