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PRELIMINARY NOTE ON OBSERVATIONS MADE ON PHYSICAL CONDITION OF PERSONS ENGAGED IN MEASURING RADIUM PREPARATIONS.

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This report presents the observations made during a period of about a year and a half, from January, 1922, to July, 1923, on the physical condition of the persons employed during that time in the radium section of the United States Bureau of Standards, Washington, D. C. The reasons for making this study were twofold: (1) The necessity for periodic supervision of the physical condition of persons engaged in the constant handling of radium, in order properly to safeguard their health; (2) as a matter of scientific interest, to note the physical effects upon radium workers of continued exposure to radiation.

Practically all the radium that is sold for medical or scientific purposes by manufacturers or commercial firms in the United States is sent to the United States Bureau of Standards for measurement; thus the employees of the radium section of the Bureau of Standards daily handle radium in varying amounts up to 750 milligrams. The total amount that may be on hand at the Bureau of Standards at any one time varies from 0.5 gram to 4 grams. Radium bromide is the salt that is most frequently handled.

It is not the purpose of this report to review the literature dealing with the physical effects on radium workers of continued exposure to radiation, but rather to record as a preliminary note the matters that have come under our observation. Acknowledgment is here made of the excellent cooperation and valuable assistance given during this study by Mr. W. H. Wadleigh, chief of the radium section. Through the courtesy of Dr. G. W. McCoy, director of the Hygienic Laboratory of the United States Public Health Service, all of the blood examinations were made by workers at the Hygienic Laboratory.

It has been well known for several years that persons exposed to large amounts of radiation frequently experience harmful physical effects. Various general symptoms, such as headache, malaise, weakness, undue fatigue, unusual need of sleep, increased excitability,

fretfulness, irritability, disordered menstruation, attacks of dizziness, etc., were said to be caused by long and repeated exposures to radioactive substances (1); but more recent experimental and clinical evidence shows that these general symptoms are perhaps not so frequent in occurrence nor so important as danger signals as are the now well recognized blood changes.

The polymorphonuclear leucocytic and the lymphocytic blood content of radium workers is decidedly lower than that of normal individuals. Even among workers with the least exposure to radiation there was no evidence of leucocytosis. This contrasts with the fact that, in small animals, alternate periods of radiation and freedom from radiation will, under certain conditions, produce profound leucocytosis, and the leucopenia following a single dose of Röntgen rays is often followed by leucocytosis (2).

The low polymorphonuclear blood content commonly found and the anemia of an aplastic type affecting the much exposed workers point to an interference with the output of blood cells from the bone marrow. Among X-ray workers there is rarely any evidence of such an effect, though a small fall in the number of circulating polymorphs and a mild anemia have been noted in a few cases. It would seem that the penetrating gamma rays are able to reach the bone marrow, whereas the relatively soft X-rays used clinically fail in this respect (3).

An initial fall in the number of circulating lymphocytes occurs in the blood soon after exposure to radiation. The experimental and observational data bear upon one another to the extent of showing that both X-rays and gamma rays may be expected to cause lymphocytes to disappear from the circulation. Changes in the red blood cells have also occurred after a single gamma ray exposure; they are not of a pronounced character, however, unless the radiation is very prolonged (4).

There is a constant occurrence of a marked polynuclear leucopenia. The recovery from the leucopenia is very slow. There is agreement in respect to the destruction of lymphocytes. Destructive changes in bone marrow have also been described (5).

A thrombopenia was found to be a lesion common to vitamine-A deficiency and exposure to radium (6).

Undue exposure to the X-rays or radium is associated at times with a moderate leucoplakia, a relative lymphocytosis, a relative polycythemia, and occasionally an eosinophilia. A low blood pressure, which does not seem to be associated with any other definite symptoms, is quite common. The skin changes found in the earlier workers are not increasing and are being avoided entirely by the later ones because of increased knowledge and increased protection (7).

A diminution of the number of polynuclears of 1 and 2 nuclei and an augmentation of the polynuclears of 4 and 5 nuclei were noted (8).

The small variety of mononuclears is especially sensitive to radiation, as measured by their disappearance from the peripheral circulation after exposure of the animal to radiation (9).

The lymphocyte is the most radio-sensitive cell in the animal organism. The change in the numerical relationship of the two types of white cells is not accompanied by noticeable change in the total leucocytic count (10).

The red cells seem to be diminished in numbers in the radium workers. The hemoglobin content of the blood is less affected, so that the color index is high. This finding, combined with the fact that there is no evidence of red cell regeneration, and with the associated polynuclear leucopenia, points to an interference with the production of red cells and polynuclears in the bone marrow. It would seem that the penetrating gamma rays of radium react and injure the bone marrow, whereas the less penetrating rays exhibit their effects chiefly upon lymphocytes and lymphoid tissues, which are not protected by a covering of bone (11).

With increased protection for radium workers, evidence is found of a return of the altered blood condition of the workers to the normal. In the case of the red cells, the polymorphs, and the hemoglobin, the return to normal was complete; only a mild lymphopenia persisted (12). Three deaths were reported in 1921 as occurring among persons employed in handling radium at the London Radium Institute (5). These fatal cases were accompanied by anemia, which has occurred from time to time among radium workers. Taking into account the great rarity of aplastic pernicious anemia, it is reasonable to conclude that exposure to radium was an important etiological factor.

From the available literature on this subject it appears that continued exposure to radiation usually produces the following harmful effects:

1. Pain, sensitiveness, or anesthesia of the skin of exposed fingers or hand.
2. Burns or destruction of the skin and underlying tissues.
3. Effect upon the blood and blood-making organs—usually a profound leucopenia affecting both the polynuclears and lymphocytes; a decrease in blood platelets; also a milder anemia accompanied by a high color index. The reduction of the lymphocytes seems to be definite and regular; the effect upon the polynuclears is irregular.
4. Sterility.
5. The inhibition of the absorption of fat in the intestinal canal. This has been demonstrated experimentally (13).

The extent of the effect of the exposure to radiation depends upon—

- (a) Amount of radium to which the subject is exposed.
- (b) Length of time of the exposures.
- (c) Frequency of the exposures.
- (d) Proximity of the radium to which the subject is exposed.
- (e) Amount and character of protection afforded against radiation.
- (f) Character of the rays to which the subject is exposed.

The following is quoted from J. C. Mottram (11) regarding the biological action of radium:

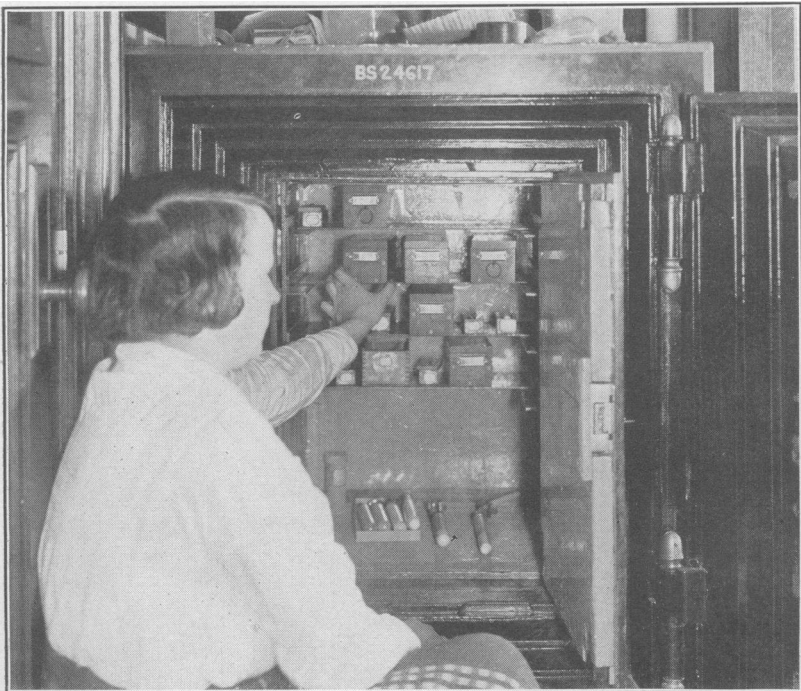
“Surveying the biological action of radiation, one of the first generalizations which may be made is that the various tissues differ widely in their susceptibility; some—for instance, nerve cells—show no changes after relatively large exposures, whereas others—for instance, reproduction cells—are altered by small amounts of radiation. The following tissues are especially sensitive: skin, blood vessels, connective tissues, hair follicles, reproduction cells, lymphoid tissues, and blood cells. Experimental evidence goes to show that the last three are more susceptible than the others, so much so that these tissues would be especially chosen for examination in searching for the earliest effects of radiation. There is no doubt about the sensitiveness of the reproduction cells. The sterility of X-ray workers who have good health in other respects is very clear evidence. As regards the blood changes, it may be mentioned that experiments on rats have shown that, by their blood changes, X-radiation could be detected where a photographic plate gives no record. For this reason, and also because the blood changes have been the subject of large investigation, it may be concluded that they will serve as an excellent indicator for the biological effects of radiation. The present state of our knowledge would lead to the conclusion that in the absence of blood changes the worker had received no more than a harmless amount of exposure to radiation.”

Most of the articles appearing in the literature deal with the harmful effects of continued exposure to radiation upon persons handling radium for therapeutic purposes. As this study was made upon persons who are engaged in measuring the gamma radiations of the radium salts examined, it is believed desirable to describe briefly the methods employed in their work.

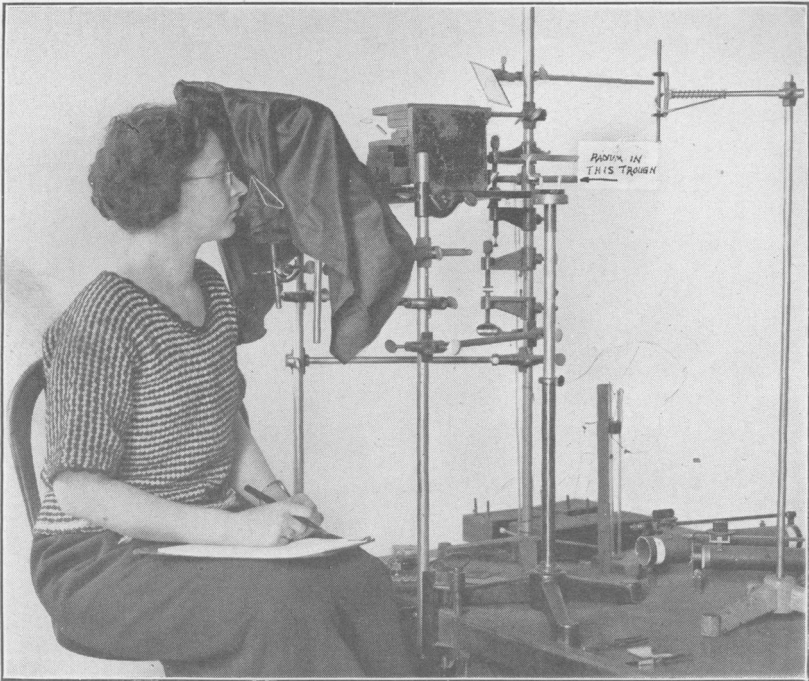
The packages containing the radium that is sent to the Bureau of Standards for examination and measurement come by registered mail or express. They are delivered to the shipping room and then brought to the packing room of the radium section, where the packages are opened by the employees. Approximately one-third of the radium received is in sealed glass tubes from 1 to 2 centimeters in length and about 2 millimeters in diameter, and the remainder is in sealed metal needles from $1\frac{1}{2}$ to $2\frac{1}{2}$ centimeters in length and about $1\frac{1}{2}$ to $2\frac{1}{2}$ millimeters in diameter. The persons who do the unpacking stand behind cast-iron screens which are placed upon a table at



Unpacking and packing radium.



At the radium safe: Representing (1) taking inventory, and (2) removal of radium to and from safe for storage, measurement, and packing.



Measuring radium by means of the gamma ray electroscope—the standard method used for all but exceedingly weak preparations.



Making measurements of length, diameter, and weight of radium tubes, needles, and plaques for purposes of future identification.

the height of the chest so as to protect the workers as much as possible. This use of the cast-iron screens was instituted a short time prior to the beginning of this study and was continued during the time of the study. The hands and arms of the workers are extended around the screens. The applicators containing the radium are removed from the containers in which they arrive and examined closely. To avoid any contamination of the surface of the applicator which may have been acquired during the process of manufacture, the preparations are washed thoroughly with soap and water by means of a small brush and dried with cotton held in forceps. They are then put in larger glass containers, marked for identification purposes, and placed in wooden boxes about 6 inches long, 3 inches wide, and 3 inches high, with a lead lining about one-half inch thick. During this process the preparations are handled entirely with forceps. (See Pl. I.) The boxes containing the radium are carried in a fiber bucket to the safe where all this material is kept.

Radium that is being sent out from the Bureau of Standards is handled in a similar way. The unpacking and packing of radium require the services of two or three persons for about one hour daily.

The chief exposures and sources of exposures to radiation during unpacking and packing appear to be—

1. Exposure of hands, arms, neck, and head. In unpacking and packing, the use of rubber or lead-rubber gloves has not proved satisfactory. The sense of touch alone can not be relied upon; hence it is necessary to see the package and radium containers, and consequently there is also an exposure of the head and neck.

2. Sometimes radium tubes are received in a broken or leaky condition. In such cases, when the package is opened, exposure involving the breathing of radium emanation is very considerable. In case of broken or leaky tubes the radioactive gas is spread through the room. Unless there is proper ventilation of the room by means of electric fans after such occurrences, persons working in the room are exposed to radiation for a considerable time, and from within the lungs as well as from without.

When ready to undertake the measurements on a given tube of radium, the following is the process through which the worker must go: He must visit the safe where all the radium is kept, open the door, and, according to a check list, remove the lead-lined wooden boxes containing the preparations desired. (See Pl. I.) The boxes are then carried to a smaller safe in an adjoining room, from which the preparations are taken one at a time for actual measurement. The individual preparations are taken to the electroscope, or instrument where the measurement readings are made, in a wooden carrier having a long handle. In taking the radium from its place in the

safe and placing it in the wooden carrier, forceps are used for picking up a particular tube from among several others.

During the actual measurements the tube containing the radium that is being measured is placed upon a support about on a level with the face of the operator and at a distance of about 3 feet. (See Pl. II.) The process of making the readings consumes about seven minutes. After the readings have been completed, the radium is placed in the wooden carrier box and returned to the safe. The return of the radium tube to the safe must then be noted on the check list.

The principal exposures and sources of exposure to radiation during this process are as follows:

1. Exposure when standing before the open safe for the purpose of finding, identifying, and checking the particular tube desired.
2. Use of fingers on forceps in taking tube from container and placing it in wooden carrier box.
3. Exposure when tube is being placed upon instrument for reading.
4. Exposure the same as 1 and 2 when the tube is being returned to the safe after the readings are completed.

For the purpose of future identification at any time during which the bureau retains the radium, accurate weighings are made of the applicators containing radium; also, measurements of the external dimensions are made with a comparator. (See Pl. II.) During this process the radium is kept, as much as possible, behind lead screens.

In order to obtain some idea as to the actual amount of radiation to the person exposed during the operation above mentioned, and as to the part of the body that is most frequently exposed, an experiment was made in which standard dental films were worn in various locations on the body for varying lengths of time. A penny was glued to the proper side of each film, and the films were worn on the forehead, neck, chest, and both inguinal regions. These films were worn daily by employees of the section while engaged in their routine work.

For the first experiment five films were worn by each person, as follows: On forehead, neck, chest, right inguinal region, and left inguinal region. Seven persons took part in this experiment, which lasted for a period of two days. During this time the amount of radium to which each person was exposed varied from 10 milligrams to 500 milligrams, and the time of exposure varied from 15 minutes to 2½ hours. None of the films which were worn for two days showed any evidence of exposure to radiation.

Then, in order to obtain a basis upon which to consider the effect upon films of exposure to radiation, several films were exposed to various amounts of radium for varying lengths of time. The amount

of radium, the distance of the film from the radium, and the time of exposure were as follows:

- 10 mg. at 5 cm. for 5 minutes.
- 25 mg. at 5 cm. for 5 minutes.
- 50 mg. at 30.5 cm. for 30 minutes.
- 75 mg. at 40 cm. for 45 minutes.
- 15 mg. at 60 cm. for 2½ hours.

Positive results of exposure were obtained in all films thus used.

A film was exposed at a distance of 60 cm. for 5 minutes before an open safe containing 500 milligrams of radium. Between the film and the radium was interposed a one-half-inch lead screen. The results of this exposure were negative.

A second experiment of wearing films was made. This time the films were worn on the five locations previously mentioned, by six persons for three days. During this time they performed their regular routine work. The amount of radium handled and the length of exposure during this time varied within the limits named for the first experiment; that is, from 10 milligrams to 500 milligrams in amount and from 15 minutes to 2½ hours in time. The films from three persons in this experiment showed positive evidence of exposure to radiation. The three films that were positive were those worn upon the forehead.

The preceding experiments seemed to show that the forehead was the most exposed part of the workers, as the films worn on the other parts of the body were at all times negative; and so in the next experiments with the wearing of the films it was decided that they should be worn only upon the forehead. The films were now worn by six persons for four days. The amount of radium to which they were exposed at this time varied from 10 milligrams to 750 milligrams daily, and the length of time from five minutes to three hours. During the time these films were worn, regular routine duties were performed. All the films used in this experiment showed positive evidence of exposure to radiation.

It would therefore seem, from the results obtained from the wearing of films as above described, that employees of the radium section in the course of their regular routine work receive sufficient radiation to record positive findings upon the dental X-ray films. It would also appear that the head is the part of the body that is exposed to the greatest amount of radiation, except, of course, the hands and forearms.

Having thus considered the possible hazard of exposure to radiation in the work process of the group of persons under discussion, and having further established by experiments that all members of the group receive upon at least one part of the body (the forehead) sufficient radiation to produce positive evidence of exposure on dental

films, the next step in the investigation was a consideration of the general physical condition of the persons thus exposed to radiation.

Accordingly, in the beginning of the study every worker in the radium section was given a complete physical examination. Eight persons were employed in this work at that time. A former employee who had been working with radium for six and one half years past was also examined. During the period covered by this report several employees left the section and one or two new ones came in for a short time. Only five employees were continuously under observation for the entire period of the year and a half which this report covers. Table I gives a summary of the results of the physical examinations made at the beginning of the study:

TABLE I.—Summary of results of physical examinations made at beginning of study of persons employed in radium section, United States Bureau of Standards, Washington, D. C., January, 1922.

Employee.	Sex.	Age.	Length of time present work.	Handles or is exposed to radium daily.	Previous work.	Family history.	Past personal history.	Gain or loss of weight in past 3 months.	Blood pressure		Physical condition and defects.	Remarks.
									S.	D.		
No. 1.....	M.	21	Handled radium for about 10 months, 1919-20; at present has been handling radium since September, 1921.	Handles radium 3 hours daily, 6 days a week.	Student 4 years.	Negative..	Negative.....	Lost 8 pounds...	108	68	Physical condition good; no defects noted.	Notices skin on finger tips is tough; thinks there is some diminution in tactile sense of fingers.
No. 2.....	M.	48	Has actually handled radium for 6 months of this time 3 hours a day.	1 hour daily for 6 days a week.	Teacher of physics 16 years.	.....	Fall from street car 2 years ago; left limb has been numb since; seems to be gradually improving.	No.....	104	90	Somewhat nervous, probably due to overwork and nervous strain.	Has had some digestive disturbances during past year, probably due to nervous strain and overwork.
No. 3.....	F.	23	16 months; began work in radium section October, 1920.	Spends about 5 half days a week handling radium.	Student.....	Negative..	Negative.....	No.....	100	68	Heart slightly enlarged; systolic blood pressure 110.	Menstruation normal.
No. 4.....	F.	21	6 months; began work radium section August, 1921.	Handles radium for 3 hours 4 days a week.	Student 4 years	.....do.....	On diet for diabetes, vom age of 3 to 6 years; frequent attacks of tonsillitis until removal of tonsils, 1917.	No.....	130	110	Thyroid slightly enlarged; presystolic murmur; heart not enlarged.	Do.
No. 5.....	F.	25	18 months; began work radium section August, 1920.	Handles radium 3 1/4 hours 4 days a week.	Student 4 years; clerical work 1 year.	.....do.....	Sick leave Nov. 10, 1921, to January, 1922; physician diagnosed condition as anemia and nerve fatigue.	No.....	115	85	Thyroid slightly enlarged; accentuation of second cardiac sound.	Menstruation normal; feels depressed, somewhat nervous, generally run down.

TABLE I.—Summary of results of physical examinations made at beginning of study of persons employed in radium section, United States Bureau of Standards, Washington, D. C., January, 1922—Continued.

Employees.	Sex.	Age.	Length of time present work.	Handles or is exposed to radium daily.	Previous work.	Family history.	Past personal history.	Gain or loss of weight in past 3 months.	Blood pressure.		Physical condition and defects.	Remarks.
									S.	D.		
No. 6.....	F.	25	2 years.....	Handles radium 1 hour a day 3 days a week.	.....do.....	.....do.....	Has hay fever annually; begins in August.	Lost 5 pounds.....	100	78	Physical condition good; no defects noted.	Menstruation normal; spends 3 days a week pursuing post-graduate studies in university of nearby city. Does not feel tired; appetite good.
No. 7.....	F.	24	18 months.....	Handles radium usually about 1 hour daily 6 days a week.	.....do.....	.....do.....	Appendicitis, 1917; boils last summer; 1 boil now.	No.....	104	80	General appearance suggestive of weight and anemia.	Does not feel tired; appetite good.
No. 8.....	M.	18	7 months.....	Handles radium 1 or 2 hours daily 1 day a week.	Student 5 years.....	.....do.....	Negative.....	Gained 2 pounds.....	118	68	Slight irregularity of pulse rate.	General appearance excellent; student 5 days a week at college; works in radium section only on Saturdays.
No. 9.....	M.	49	1½ years.....	Has been away from radium for 1½ years.	Radium section 6½ years.....	.....do.....	.....do.....	No.....	108	90	Defective hearing both ears, most marked in left.	Slight wartlike growth on dorsal surface of each hand; states that they are now diminishing in size; tactile sense in index and second fingers of right hand is poor; this condition has been present for 2 or 3 years; about 9 months before leaving radium work began to notice blanching of index fingers of

The summary of physical examinations made at beginning of study shows four males and five females. No serious defects were found in any of the group. Two of the males had symptoms of the skin of the fingers and hands which are suggestive of the effects of radiation. One male attributes his nervousness and digestive disturbances to continued exposure to radiation. He states that members of his family, without actually knowing whether he had been exposed to radiation or not, could accurately tell by his increased nervousness and irritability that he had been exposed to radiation. Two females had enlarged thyroid glands. The cardiac findings in all the females are thought to be functional. Menstruation in the females had not been disturbed by exposure to radiation. One female (No. 5) had recently returned from two months' sick leave. A physician had made a clinical diagnosis of anemia and nerve fatigue. At the time of the physical examination made during this study, she still felt nervous and depressed. It will be noted that in all the cases except in No. 4, No. 5, and No. 8 there seems to be a rather low blood pressure. Case No. 5 had only recently returned from sick leave when this reading was made. Case No. 8 works with radium only one day a week, thus leaving case No. 4 as the only one whose blood pressure apparently was not lower than it normally should be. These blood pressure readings were made with a Tyco's instrument, the auscultatory method being used.

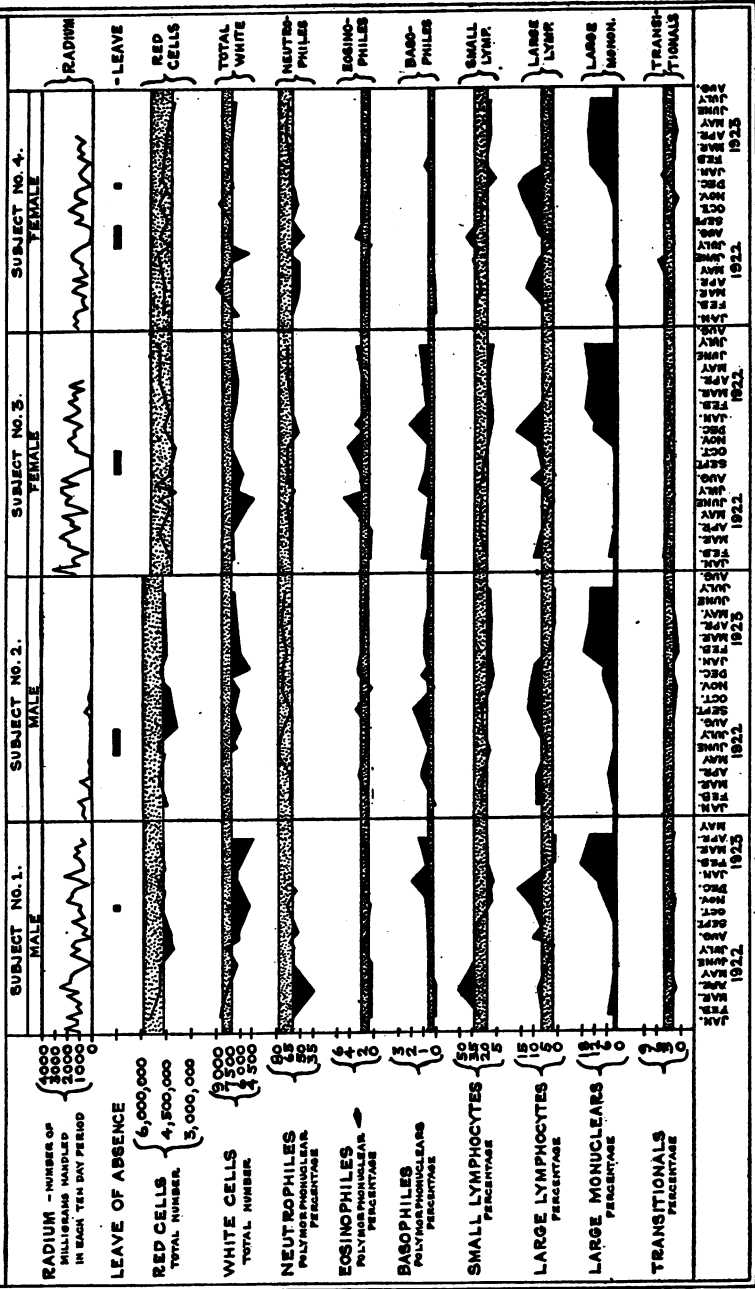
The physical examinations, therefore, seem to show that, of the nine persons examined, only two presented any signs of the effect of radiation upon the skin, and that exposure to radiation apparently produced a lowering of blood pressure in the majority of cases. It was thought that there might exist a relation between the decrease of red or white blood cells in certain members of the group and the low blood pressure, but it appears, upon careful study, that such was not the case. (See Table III.)

The next step in the investigation was an examination of the blood to determine whether any changes could be noted. An examination of the blood of the employees of the section made on February 6, 1922, gave the results shown in Table II.

TABLE II.—Summary of initial blood counts made February 6, 1922.

	Employee.								
	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.	No. 7.	No. 8.	No. 9.
Normal.									
Total reds.....	5,430,500	4,306,000	4,050,000	4,590,000	3,700,000	3,595,000	4,370,000	4,100,000	4,745,000
Men, 5-54 million; women, 44-5 million.									
Hemoglobin (Talquist).....	85	80	90	90	80	80	85	105	
Men, 90-100 per cent; women, 50-100 per cent.									
Total whites.....	8,400	6,800	6,600	6,000	7,400	5,200	6,100	4,800	7,200
Men, 7,500; women, 7,500....									
Polymorphonuclear neutrophiles.....	Per cent. 59	Per cent. 61.5	Per cent. 61.5	Per cent. 57.5	Per cent. 65	Per cent. 61.2	Per cent. 63	Per cent. 62	Per cent. 51
Polymorphonuclear eosinophiles.....	5	0	1.5	1.5	2.5	0	0	5	1.5
Polymorphonuclear basophiles.....	0	23	17	0	0	0	0	5	5
Small lymphocytes.....	25.5	8	32	32	16	20	27	28	21.5
Large lymphocytes.....	5.5	5.5	4	4	6.5	7.2	6	4	11.5
Large mononuclears.....	5	2.5	4.5	5	6.5	4.8	1	2	5
Transitional.....	4	4	4.5	4.5	3.5	6	2	4	8.5
Unclassified.....	.5	.5	1.5	.5	0	.4	.5	0	.5

CHRONOLOGICAL RECORD OF BLOOD COUNTS OF INDIVIDUAL WORKERS IN RADIUM SECTION OF THE U.S. BUREAU OF STANDARDS



In the studies made by Mottram, anything less than an 8 per cent variation was considered "no change." Applying this standard to the blood examinations tabulated above, we find that all in the group were below normal in polymorphonuclear neutrophiles. Two (No. 3 and No. 5) were below normal in small lymphocytes. All save one (No. 8) were above normal in large lymphocytes. Three persons (No. 4, No. 6, and No. 8) were below normal in total white cells. Two persons (No. 5 and No. 6) were below normal for total red cells. Thus we find that three persons (No. 5, No. 6, and No. 8) had a deviation from normal in more than one of the cellular constituents of the blood.

Following the initial examination and blood counts, other blood counts and blood-pressure readings were made at intervals varying from two weeks to two months, covering a period of about a year and a half. The accompanying graphs show results of these several blood counts.

It will be noted that cases No. 10, No. 11, and No. 12 appear in the graphs. These represent employees who entered the section after the study had begun. A record of their physical examinations will be found in the summary shown in Table I, except No. 10, upon whom no physical examination was obtained before he left the section. Again applying the standard that anything less than 8 per cent variation is considered "no change," we find that there were changes and variations in the blood picture as follows:

For the polynuclear neutrophiles there was a tendency to be somewhat below normal, although the last count shows all save one within allowable limits. All members of the section show a decrease below normal in the number of small lymphocytes. The large lymphocytes vary and most of the time are above normal, but the last two counts show a decline in all the members of the section. The total white cells vary also; the last count shows four persons below normal limits, two dropping to 4,900. The last count of total reds shows three below the allowable limit; and during the year several other individuals fell below the lower limit. In the studies to be made henceforth it is planned to run a control group for blood counts. It appears probable that there are appreciable individual differences in the resistance to changes in the blood.

Table III, showing blood-pressure records, is of interest. The readings were made by the auscultatory method; a Tycos instrument was used most of the time. On one or two occasions a mercury instrument was used. From this table it is evident that most of the workers in the radium section have a rather low blood pressure, both systolic and diastolic, as compared with the commonly accepted normal, and that these low blood pressures have continued persistently during the entire period of this study.

A summary of the physical examinations of the employees of the radium section made at the expiration of a year following the beginning of the study shows nothing of special significance. Specimens of semen from No. 1 and No. 2 examined during the study showed motile spermatozoa. There were five males and seven females. The menstrual function of one female worker is noted as disturbed since working with radium. It is also noted that every female employee of the section save one is recorded as having an enlarged thyroid. Two of the female employees had only recently entered the section; hence the enlargement of the thyroid gland in their cases certainly could not be attributed to the work with radium. No connection between enlargement of the thyroid and the work has been noted in this study.

Conclusions.

1. At least two persons, one an employee at the time of the study and one a former employee, who were examined during this study, presented symptoms showing evidence of the effect of radiation upon the skin of the fingers and hands.
2. Employees are exposed to radiation, as is evidenced by positive effects upon dental films worn by employees in regular routine work.
3. Apparently certain blood changes had occurred in the workers; notably, a tendency in the polymorphonuclear neutrophils to remain slightly below the lower normal limit, and a diminution in the small lymphocytes, while the large lymphocytes apparently ran somewhat higher than normal. The total white cells had a tendency to decrease in number, as also had the total red cells.
4. A low blood pressure, as compared with the usually accepted normal, was noted in practically all the employees of the section.

Recommendations.

On the basis of this study it is recommended—

1. That blood examinations and blood pressure readings be made at regular intervals on all employees of the radium section.
2. That complete physical examination of all employees of the section be made at regular intervals.
3. That all new employees of the section, before beginning work, be given complete physical examinations, including examination of the blood.
4. That in the handling of radium, all employees of the section utilize to the greatest possible extent all practicable protective devices, such as screens, lead-lined carrier boxes, and handling forceps.
5. That all rooms in which radium is handled be adequately and thoroughly ventilated. The use of electric fans for this purpose appears to be highly desirable.
6. That all employees of the section be warned to reduce to a minimum the amount of unavoidable unprotected exposure to

radiation, and not to remain in the vicinity of radium longer than is necessary.

7. That in the packing and unpacking of radium in connection with the receipt and dispatch of shipments, all boxes, wrapping paper, and other equipment be assembled, arranged, and prepared so as to expedite the work and thus reduce the amount of unavoidable exposure to radiation.

8. That all employees of the section be allowed to work only five days a week, and that at least a two-day period intervene between the two holidays of each week, these not to be considered annual or sick leave.

9. That all employees of the section be required to take 30 days' annual leave each year, preferably, whenever at all practicable, in two-week periods at six-month intervals.

10. That the 2 days' weekly holiday and the 30 days' annual leave be spent outdoors as much as is possible.

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Appendix.

In the following tables are given the chronological records of the blood counts of the individual workers:

SUBJECT NO. 1.

	Red cells.		White cells.								
	Total number.	Haemoglobin (Tolquist).	Total number.	Polymorphonuclears.			Lymphocytes.		Large mononuclears.	Transitional.	Unclassified.
				Neutrophils.	Eosinophiles.	Basophiles.	Small.	Large.			
Normal.	Men, 5-54 million; women, 4-5 million.	Men, 90-110; women, 80-100.	7,500	65-70	1-2	0.25-0.5	20-30	2-6	1-2	2-4	
1922.		Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
Feb. 6...	5,430,500	85	8,400	59	0.5	0	25.5	5.5	5	4	0.5
Apr. 10...	4,900,000	95	7,800	34.0	.5	0	52.5	8	2.5	1.5	1.
June 14...	4,880,000	100	6,450	59	.4	.4	31.2	3.8	1.6	3.2	.4
July 26...	4,110,000	100	7,600	58	1.6	.6	34.8	1.4	.8	2.6	.2
Aug. 15...	4,200,000	100	6,200	62			28	10			
Sept. 7...	4,260,000	95	6,350	54	1.2	.4	32	5.6	1.2	3.2	2.4
Nov. 11...	4,760,000	95	5,040	67	.7	.7	12	11.7	6.4	1.4	
Dec. 19...	4,580,000	95		56.5	2	1.2	13.5	16.5	8	2.3	
1923.											
Jan. 2...	5,080,000	95	6,520	64	1.5	2	10	11.5	8.5	2.5	
Feb. 13...	4,370,000	100	6,260	59	1.0	.7	16.7	1.7	18.3	2.7	
Apr. 24...	5,080,000	80	4,000	62.7	1.7	1.4	17.6	1.3	13.7	1.6	

SUBJECT NO. 2.

1922.											
Feb. 6...	4,306,000	80	6,800	61.5	0.5	0	23	8	2.5	4	0.5
Apr. 10...	4,960,000	100	7,000	61.5	2	1	20.5	8.0	5	1.5	.5
June 14...	4,510,000	83	7,050	76.2	1.6	.4	13.4	4	2	1.8	.6
June 23...	5,120,000	82	6,300								
July 7...	5,060,000	91	6,600								
Aug. 15...	3,800,000	95	5,800	69	1		21	9			
Sept. 28...	3,980,000	100	6,560	59	2.6	1.66	22	11.6	1.98	1.66	
Nov. 11...	4,190,000	95	6,110	71	.3	0	11.6	10.6	5.2	1.3	
Dec. 19...	4,890,000	95	7,080	68.7	2.3	1	8.7	9.6	7.7	2	
1923.											
Jan. 2...	5,010,000	96	4,680	70	2.5	.5	9	9	7	2	
Feb. 13...	4,450,000	95	5,860	64.8	1.8	.8	11.6	3.4	16.8	.8	
Apr. 24...	4,510,000	80	6,220	71	1.3	.7	11	1	13.7	1.3	
July 19...	4,600,000	85	6,560	67.8	1.2	.2	12.4	1.4	13.8	3.2	

SUBJECT NO. 3.

1922.											
Feb. 6...	4,050,000	90	6,600	61.5	0.5	1	17	9.5	4.5	4.5	1.5
Apr. 10...	4,800,000	97	6,500	61.2	.4	.8	24.8	6.4	2.4	3.2	.8
June 14...	4,260,000	100	5,200	65	3.2	.6	23.8	3.2	.8	3	.4
July 6...	4,900,000	99	4,200	62.8	4.8	.4	22.8	4.8	2	1.6	.8
July 26...	3,900,000	95	6,350	57.25	.75	1.25	31	4.25	2	2.5	1
Aug. 15...	5,050,000	95	6,000	65	2		22	11			
Sept. 6...	4,270,000	95	5,700	65	2	.7	22.6	5.7	7	2	1.3
Nov. 11...	3,880,000	90	7,000	65.5	4	.5	15.5	8.5	3	3	
Dec. 19...	4,440,000	80	7,080	53	1.5	1.5	12.5	16.5	12.5	2.5	
1923.											
Jan. 2...	4,520,000	95	7,100	55.5	3	2	11	14	11.5	3	
Feb. 13...	4,265,000	96	6,610	60	1	.8	11.3	7.5	16.2	3.2	
Apr. 24...	4,810,000	80	6,220	64.5	1.8	1	14.7	2	14.5	1.5	
July 19...	4,800,000	85	6,860	66.8	2.8	1.2	9.5	1.5	16	2.2	

SUBJECT NO. 4.

	Red cells.		White cells.								
	Total number.	Haemoglobin (Tolquist).	Total number.	Polymorphonuclears.			Lymphocytes.		Large mononuclears.	Transitional.	Unclassified.
				Neutrophils.	Eosinophiles.	Basophiles.	Small.	Large.			
Normal..	Men, 5-5½ million; women, 4½-5 million.	Men, 90-110; women, 80-100.	7,500	65-70	1-2	0.25-0.5	20-30	2-6	1-2	2-4	
1922.		<i>Per ct.</i>		<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>
Feb. 6...	4,590,000	90	6,000	57.5	1.5	0	32	4	0.5	4	0.5
Apr. 10..	4,603,000	92	8,800	51	1.5	0	26	13	6	2.5	0
June 14..	4,950,000	100	7,100	53.8	1.4	.2	33	8	1.2	5	.4
July 6...	5,100,000	99	4,800	60.2	1.2	.4	26.4	4.4	2	2	.4
July 26...	4,205,000	100	7,100	56	.4	.4	37.2	2	2	1.6	.4
Aug. 16..	4,810,000	90	7,400	47	3	.....	42	8	.....	.....	.....
Sept. 28..	4,440,000	90	7,160	59	1.56	.35	24.8	10.5	1.4	2.63	.7
Nov. 11..	4,970,000	95	8,460	54.8	1.5	.2	25	14.5	3.2	.8	.....
Dec. 19..	4,460,000	85	6,800	58.3	.7	0	16.3	16	5.7	3	.....
1923.											
Jan. 2...	4,680,000	95	7,000	63.7	1.3	.2	7.5	13.3	9.3	4.7	.....
Feb. 13..	4,680,000	95	7,340	60	1.7	.8	17.5	4	13.8	2.2	.....
Apr. 24..	4,470,000	80	.....	67.5	1	0	13	3	15	.5	.....
July 19..	4,020,000	85	6,400	66	1	0	13.3	3.5	13.7	2.5	.....

SUBJECT NO. 5.

1922.											
Feb. 6...	3,700,000	80	7,400	65	2.5	0	16	6.5	6.5	3.5	0
Apr. 10..	4,400,000	100	9,000	64.5	1.5	.5	20.5	8.5	1.5	2.5	.5
June 14..	4,080,000	95	8,000	56	2	1.25	27	7.5	3.25	2.25	.75
Aug. 15..	4,000,000	90	7,200	57	4	.....	30	8	.....	1	.....
Sept. 6...	4,010,000	95	8,950	52.4	3.2	.8	33	5.6	1.4	2.4	1.2
Sept. 28..	4,720,000	95	7,600	60	.41	.82	24	11.7	1.42	2.05	.41
Nov. 11..	3,870,000	95	7,310	65.5	.5	.5	18	11.5	4	0	.....
Dec. 19..	4,080,000	95	6,400	65.5	1.5	.5	10.5	15	6.5	.5	.....
1923.											
Jan. 2...	4,330,000	90	7,840	68.8	3.4	.2	9.2	9	6.6	2.8	.....
Feb. 13..	4,175,000	100	8,000	66.4	1.8	.8	14.4	2.4	12.6	1.6	.....

SUBJECT NO. 6.

1922.											
Feb. 6...	3,595,000	80	5,200	61.2	0.4	0	20	7.2	4.8	6	0.4
Apr. 10..	4,303,000	90	6,200	61.5	2.5	1	28.5	3	1	2	.5
June 14..	4,410,000	95	7,500	63.6	1.6	0	24.4	3.2	2.8	.8	.4
July 6...	5,000,000	100	5,200	68	.8	0	26	3.6	.8	.8	.....
Nov. 11..	3,940,000	90	6,640	67.8	0	0	15.6	8.3	3.3	5	.....

SUBJECT NO. 7.

1922.											
Feb. 6...	4,370,000	85	6,100	63	0.5	0	27	6	1	2	0.5
Apr. 10..	4,520,000	90	6,400	60	2	1	27	5	2	3	0
June 14..	4,780,000	100	7,100	66.8	1.6	0	24.4	3.2	2.8	.8	1.6
July 6...	5,200,000	100	5,200	66	2	.4	21.6	5.6	2.8	1.6	.....
July 26...	4,455,000	95	5,500	56.2	1.5	.3	31.8	5.4	2.7	1.8	.3

SUBJECT NO. 8.

1922.											
Feb. 6...	4,100,000	105	4,800	62	0.5	0.5	28	4	2	4	0
Apr. 10..	4,600,000	95	7,000	63.5	.5	0	30	3	2	1	.....
July 26...	4,666,000	105	5,250	60.5	4	.5	24	4.5	3.5	2.5	.5
Aug. 15..	4,500,000	100	6,600	62	1	1	24	8	.....	4	.....
Sept. 6...	4,250,000	100	4,400	60.8	.4	.8	26.4	6.8	2	2	.8

SUBJECT NO. 9.

	Red cells.		White cells.								
	Total number.	Haemoglobin (Tolquist).	Total number.	Polymorphonuclears.			Lymphocytes.		Large mononuclears.	Transitionals.	Unclassified.
				Neutrophiles.	Eosinophiles.	Basophiles.	Small.	Large.			
Normal..	Men, 5-5½ million; women, 4-5 million.	Men, 90-110; women, 80-100.	7,500	65-70	1-2	0.25-0.5	20-30	2-6	1-2	2-4	
1922.		<i>Per ct.</i>		<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>
Feb. 6...	4,745,000	-----	7,200	51	1.5	0.5	21.5	11.5	5	8.5	0.5
May 22...	3,390,000	85	4,000	58	2	2	26	5	2	5	-----
May 29...	4,660,000	95	4,500	56	2	3	14	20	3	2	-----
June 12...	4,620,000	85	7,000	61	4	-----	23	5	4	3	-----
July 10...	4,900,000	98	5,100	63.6	6	.8	-----	5.2	2.8	1.6	-----
Aug. 15...	3,600,000	85	7,000	62	5	-----	34	9	-----	-----	-----
July 19...	4,730,000	90	4,890	65.8	3.2	1.5	12.5	2.2	13	1.8	-----

SUBJECT NO. 10.

1922.											
July 26...	5,050,000		7,200	62.7	4	0.3	24.7	3.3	1.3	2.7	1
Aug. 15...	4,200,000	95	5,600	64	2	-----	28	6	-----	-----	-----

SUBJECT NO. 11.

1922.											
Sept. 6...	4,230,000	95	5,250	66.4	0.3	0.7	26	3.3	1	1.3	1
Sept. 28...	4,500,000	85	7,000	61	1.29	.0	24	8.9	2.4	1.85	-----
Nov. 11...	4,180,000	90	5,940	69.2	.6	.6	16.8	10.6	1.4	.8	-----
Dec. 19...	4,070,000	95	7,100	67.7	.8	1	11.7	11.5	5.5	1.8	-----
1923.											
Jan. 2...	4,100,000	95	6,660	61	1.4	1.2	10	12.4	10	4	-----
Feb. 13...	4,160,000	95	4,280	61.8	1.4	.8	14.8	4.7	15	1.9	-----
Apr. 24...	4,110,000	80	4,680	69.5	.5	.5	13.5	1.5	13.5	1	-----
July 19...	3,920,000	85	6,790	76.7	0	.5	11	1	9.5	1.3	-----

SUBJECT NO. 12.

1923.											
Apr. 24...	4,640,000	80	6,730	66	1	0	14	0	17	2	-----
July 19...	4,490,000	85	4,950	55.3	4.3	.6	18	3	16.7	2	-----

SUBJECT NO. 13.

1923.											
July 19...	5,030,000	90	6,910	69.3	1	0.3	12	2	12.7	2.7	-----

THE PROGRAM FOR ORAL HYGIENE IN THE PUBLIC SCHOOLS OF MINNEAPOLIS, MINN.

By F. E. HARRINGTON, M. D., Director of School Hygiene, Minneapolis, Minn.

The ultimate object of the oral hygiene program for the public schools is to have the teeth of the children put in good condition and to maintain them in that condition, thus eliminating, as far as possible, the necessity for reparative work. To maintain this object,

an extensive educational program has been carried on in the schools this year in connection with the prophylactic and the reparative work.

Educational program.—The purpose of the educational work is to disseminate information in regard to dental hygiene, to arouse interest, and to gain the cooperation of the teachers, parents, and children. To accomplish these purposes an effort has been made to choose the methods which would yield the maximum benefit with the minimum funds available.

The work has been maintained during the past year by two dental nurses, whose duty it has been to examine the teeth of all the children from kindergarten through the sixth grade (inclusive). Up to June 12, 1923, this program had been carried on in 47 schools in the city.

At the first visit to the school (after securing the sanction of the principal), the records are made, the names of the pupils being taken according to rooms. A brief talk is given in each room to explain the 100 per cent program for good teeth and to impress upon the children the necessity for dental care. Four or five children are taken from the room at first, and as one returns another child comes out for the examination. In this way class work is but slightly interrupted.

When the examination is made, a personal talk is given to arouse individual interest. If necessary, a demonstration of the correct method of brushing the teeth is given. Particular stress is also laid upon the importance of caring for the 6-year molars.

A record is kept of each individual case by checking for cleaning, filling, or extraction. If no work is necessary, the case is checked "O. K.," and a gold star is placed after the name. In addition to this, the child is given a notification slip, grading his mouth as "good," "fair," or "poor." If "fair" or "poor," he is also given a dental certificate to be signed by a dentist upon the completion of all necessary dental work. When the certificate is signed, it is returned to the teacher, who keeps it until the check up is made the following month.

On the second and successive visits, the records are checked by collecting the signed certificates and rewarding the pupils with a gold star. Those who have neglected dental care are further urged to complete their treatments or are referred to the nurse for clinical attention if the parents are too poor to employ a dentist. The percentage of dental attention of the class is also used as another incentive. A comparison is made with the percentages of other rooms and the ratings of other schools.

To further this work in the schools it is absolutely essential to have the cooperation of the principals, the teachers, and the nurses, especially the teachers, because, if the children are not constantly reminded of the obligation of the certificates, they become negligent.

The work has proved that through the efforts and splendid cooperation of the teachers, it is possible to increase the percentage of a room to 100 per cent. This has been accomplished in a school situated in a "fair" district, where the examination was made early last fall. At the first examination, there was not one child in the entire room checked "O. K." but through the untiring efforts of the teacher, who succeeded in getting every child to go either to his own dentist or to the school clinic, the room had reached 100 per cent at the time of the first check up made after the Christmas vacation.

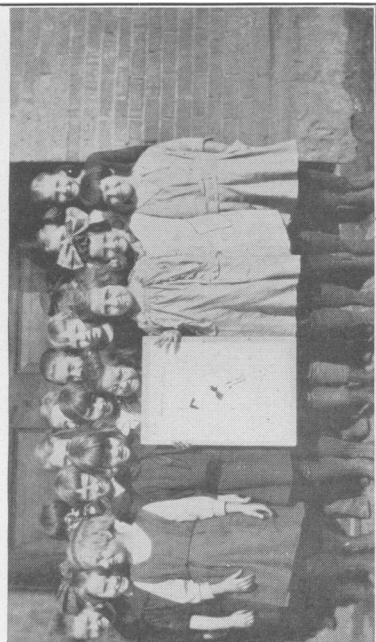
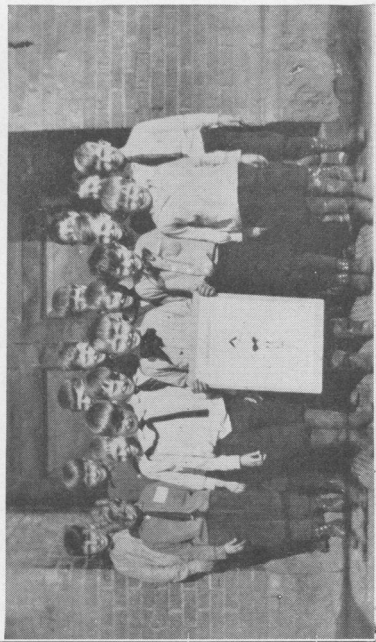
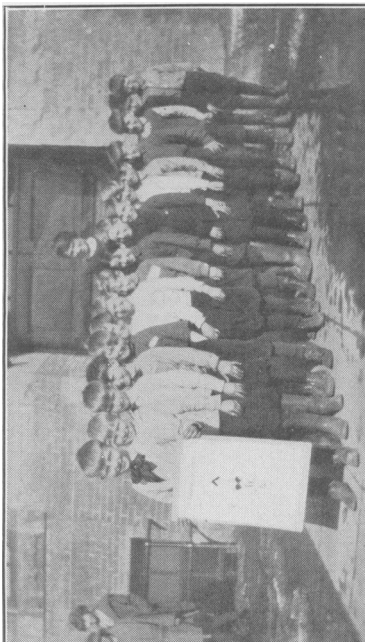
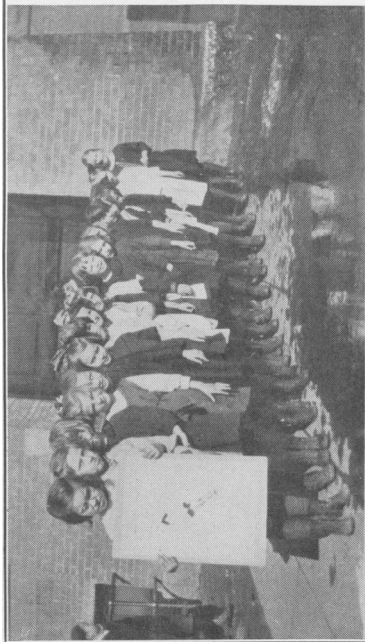
Another remarkable improvement was made in one of the lower grades in a school situated in a poorer district. Here the percentage at the first examination was only 19 per cent, and in three months it also had reached 100. One hundred per cent has also been attained by a higher grade in a very good district and by a class of blind children, so that it seems certain it is not a matter of age, conditions, or other circumstances that brings about such a marked improvement. Credit is largely due the teachers, the nurses, and the principals, who so willingly devoted their efforts.

The accompanying illustrations, made from photographs of one of the 100 per cent rooms, show the "Brownie" chart, which indicates the percentage. Next year there will be a similar chart for each room, and this will constantly keep before the children their steady increase.

Services of dental nurses in training.—Another feature of the work has been the additional help rendered by the senior dental nurses of the University of Minnesota during the last quarter of the school year. The 15 girls who assisted in this work were divided into groups of 5. Each group put in two half-days a week for a period of three weeks. After several days given to observing methods and becoming thoroughly acquainted with the work, they assisted in the examinations and instruction. In this way considerably more work was accomplished, because the groups worked in separate schools, and as a result almost doubled the amount of work that would otherwise have been done. In addition, it was a wonderful opportunity for the student nurses to secure practical experience.

Prophylactic clinics.—Prophylactic treatment has been given during the year in the three dental clinics and at one school. The school clinic is on a part-time basis. The purpose of this clinic is to put the teeth of the children attending this and neighborhood schools in a thoroughly clean condition, so that further home care may be effective.

Arrangements were made for the cooperation with the school of dental hygiene of the University of Minnesota. The senior dental nurses of the above-named institution spent two half-days every week at the Clay clinic.



The school clinic is equipped with adjustable chairs, foot-power engines, and instrument sterilizers. In cleaning the children's teeth, the mouth is first given a thorough examination, and all conditions found are checked on a history chart. While the hand method is used to a certain extent in cleaning the teeth, it has been found much more expedient to use the rotary rubber cups. If reparative work is needed, the child is recommended to visit the dentist.

The aim of this work is not only to clean the teeth, but to instruct the child in the proper care of the mouth. During the winter and spring quarters the senior dental nurses have been giving toothbrush drills to the children in groups. In addition to this, individual instruction is given to each child during the prophylactic treatment regarding the use of dental floss and the benefit of massage. In all, 811 children have received prophylactic treatment at the school clinic.

Educational suggestions.—With the aid of a larger number of dental nurses it will be possible to do more in educational work with reference to toothbrush drills and short talks in the schoolroom. In order to accomplish good results by means of toothbrush drills, however, it will be necessary to have a systematic program and the proper facilities for carrying it out. In addition to this, the sale of toothbrushes should be undertaken, in order to supply every child in need of a brush.

The principal incentive in the 100 per cent program thus far has been the coveted gold star. The "Brownie" charts are a great aid in arousing enthusiasm. However, something new and different should also be added. A little inexpensive button for "good teeth" would be a reward for which most children would work. Also the offering of some reward to the room as a whole, such as the presentation of a banner, or, better still, a half holiday, when it reaches 100 per cent would do much to stir up the interest, especially in districts where a button or gold star means nothing to the child. The higher grades, too, would be more enthusiastic over a reward of this kind.

Educational work should be carried into the homes by means of the distribution of appropriate literature and by talks to mothers' clubs.

Some good book on the teeth and their care should be used as a supplementary reader in all the rooms. Such a book is now being printed. This book will also be used to educate the parents as well as the children. Better results with the children are obtained when their parents are properly informed. At the present time many parents believe that the care of the children's teeth is not necessary.

Prophylactic clinics.—These clinics are, with the exception of the Clay clinic, operating in the same buildings as the reparative clinics. A total of 11,846 children received prophylactic attention in these clinics during the year.

Reparative clinics.—Three reparative clinics have operated on a half-time basis. Clerks, or dental assistants, are employed to assist the dentist and keep all the records. High-school girls are employed in this capacity and are on duty only for the time the reparative clinics are operating, from 1 to 4 p. m. each school day. This arrangement has worked to a good advantage in many ways. It relieves the medical nurse and allows her to take care of the children who are waiting for their turn. It has also worked well in cases where the regular medical nurse could not attend and was compelled to send a substitute. In many cases the substitute was not acquainted with the routine of the clinic and for this reason could not assist advantageously. Clinics have operated nearly to capacity throughout the entire year.

General considerations.—During the year an attempt was made to limit the work of the clinic to the children below the seventh grade; that is, the children from the kindergarten up to the sixth grade, both inclusive.

Free dental facilities have been restricted to the very poor, and an arbitrary limit of \$6 per week income per capita is adopted as the maximum family wage entitling the children to free dental attention. Although in some instances this may work a hardship, on the other hand there are more than enough children coming within this limit to keep the clinics fully occupied. Should the amount per capita be raised to as much as \$8 per week, many of the poorer children would suffer from lack of attention, because the present clinic facilities can only take care of a given number of children.

Special attention is given to the 6-year molar in the clinics, in the educational work, and by the medical nurses, because it is the first permanent tooth to make its appearance, it is the most important tooth in the child's mouth, and it is usually the first permanent tooth to decay.

Another important measure adopted during the year is the sale of toothbrushes at cost to all children. These brushes are sold by the medical nurses at the clinics and by the dental nurses.

MORTALITY FROM CANCER, UNITED STATES REGISTRATION AREA, 1922.

The Department of Commerce announces that compilations made by the Bureau of the Census show that 80,938 deaths were due to cancer in the death registration area in 1922, which comprised about 85.3 per cent of the total population of the United States, and if the rest of the United States had as many deaths from this cause in proportion to the population the total number of deaths from cancer in

the entire United States was 95,000 for 1922, against a corresponding estimate of 93,000 for 1921.

The death rate from cancer in the registration area in 1922 was 86.8 per 100,000 population, as against 86 in 1921. Only five States show lower rates for 1922 than for 1921. In comparing the death rate from cancer in one State with that in another, the bureau uses "adjusted" rates in order to make allowance for differences in the age and sex distribution of the population, because, generally speaking, only persons in middle life and old age have cancer, so that a State with many old persons may be expected to have more deaths from cancer than a State with comparatively few old persons.

The highest adjusted cancer rate for 1922 is 106.9 per 100,000 population for the State of Rhode Island and the lowest is 53.1 for Tennessee. For a few States adjusted rates have been calculated separately for the white and colored populations. In this group of States the highest adjusted rate for the white population is 92.5 per 100,000 for Maryland and the highest for the colored population is 81.7, also for Maryland. The lowest adjusted rate for white population is 52.8 for Tennessee and the lowest rate for the colored population is 40.8 for Florida.

Deaths and death rates from cancer and other malignant tumors in the registration area (exclusive of Hawaii) and in the registration States.

Area.	Number of deaths.			Ad-justed, ¹ 1922.	Death rate per 100,000 population.				
	1922	1921	1920		Crude. ²				
					1922	1921	1920	1919	1918
Registration area.....	80,938	76,274	72,931	(*)	86.8	86.0	83.4	80.5	80.3
Registration States of 1918 (including District of Co- lumbia).....	75,697	72,590	69,363	(*)	90.2	87.6	84.8	81.8	80.3
California.....	4,477	4,010	3,800	95.1	121.1	111.7	109.2	105.3	101.3
Colorado.....	720	718	691	71.4	73.8	74.7	73.0	69.2	76.7
Connecticut.....	1,321	1,377	1,403	95.9	105.0	95.9	100.6	94.4	94.0
Delaware.....	211	179	198	78.1	92.4	79.1	88.4	86.1	(*)
Florida (total).....	556	514	510	58.6	54.3	51.3	52.1	48.5	(*)
White.....	452	422	384	63.5	65.7	63.2	59.2	59.1	(*)
Colored.....	104	92	126	40.8	31.0	27.6	38.0	28.2	(*)
Georgia (total).....	1,182	(*)	(*)	(*)	39.8	(*)	(*)	(*)	(*)
White.....	791	(*)	(*)	(*)	45.1	(*)	(*)	(*)	(*)
Colored.....	391	(*)	(*)	(*)	32.2	(*)	(*)	(*)	(*)
Idaho.....	243	(*)	(*)	(*)	52.9	(*)	(*)	(*)	(*)
Illinois.....	6,440	6,152	5,991	90.9	96.1	93.0	91.8	87.6	82.2
Indiana.....	2,855	2,735	2,645	76.9	95.5	92.2	89.9	87.4	88.7
Kansas.....	1,425	1,412	1,283	69.6	79.6	79.3	72.4	69.2	72.8
Kentucky (total).....	1,337	1,326	1,364	55.9	54.6	54.4	56.3	52.6	53.1
White.....	1,198	1,184	1,222	55.6	34.0	53.7	55.8	51.6	55.0
Colored.....	139	142	142	57.3	60.6	61.2	60.5	61.5	54.2
Louisiana (total).....	1,109	975	888	76.2	60.4	53.6	49.2	49.6	49.2
White.....	742	665	578	80.7	65.3	59.3	52.3	54.7	52.9
Colored.....	367	310	310	68.7	52.5	44.3	44.2	41.7	43.6
Maine.....	964	899	942	86.3	124.4	116.5	122.4	116.2	110.1

¹ The adjusted rate makes allowance for the differences in the age and sex composition of the populations in the 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.

² The crude rate is based on total population and all deaths occurring within the given area.

³ Rate not computed.

⁴ Not added to registration area until a later date.

Deaths and death rates from cancer and other malignant tumors in the registration area (exclusive of Hawaii) and in the registration States—Continued.

Area.	Number of deaths.			Ad-justed, 1922.	Death rate per 100,000 population.				
	1922	1921	1920		Crude.				
					1922	1921	1920	1919	1918
Maryland (total).....	1,482	1,372	1,372	91.2	99.5	93.1	94.1	87.6	84.1
White.....	1,296	1,203	1,200	92.5	104.4	98.1	99.0	92.4	89.9
Colored.....	186	169	172	81.7	75.0	68.5	70.0	63.9	56.0
Massachusetts.....	4,637	4,636	4,469	98.4	116.6	118.0	115.3	107.0	108.7
Michigan.....	3,411	3,336	3,099	81.1	87.7	87.8	83.5	81.9	81.9
Minnesota.....	2,317	2,178	2,293	90.0	93.9	89.4	95.4	89.1	83.2
Mississippi (total).....	800	749	686	56.0	44.7	41.8	38.3	37.6	(*)
White.....	429	385	348	58.6	50.2	45.1	40.6	42.9	(*)
Colored.....	371	364	338	53.0	39.6	33.9	36.2	32.7	(*)
Missouri.....	2,947	2,900	2,630	75.0	85.9	84.8	77.1	74.9	73.5
Montana.....	343	315	282	69.6	57.8	54.7	50.6	55.9	53.4
Nebraska.....	1,091	1,081	999	79.5	82.5	82.4	76.7	(*)	(*)
New Hampshire.....	611	533	521	91.8	136.9	119.8	117.4	108.5	108.6
New Jersey.....	3,021	3,033	2,760	90.5	91.1	93.3	86.6	87.2	81.2
New York.....	11,697	11,182	10,554	99.2	109.2	105.7	101.0	98.7	97.3
North Carolina (total).....	1,228	1,120	1,017	58.0	46.3	42.9	39.5	39.5	42.8
White.....	899	815	767	57.4	48.4	44.6	42.6	42.1	45.1
Colored.....	329	305	250	57.5	41.5	38.8	32.1	33.4	37.8
Ohio.....	5,549	5,312	5,171	79.9	92.3	89.8	89.0	85.7	85.6
Oregon.....	820	759	734	85.5	101.0	94.8	93.0	88.1	84.3
Pennsylvania.....	7,782	7,588	7,315	85.2	86.5	85.4	83.4	80.9	78.3
Rhode Island.....	751	678	606	106.9	121.1	110.4	99.7	96.5	95.8
South Carolina (total).....	670	588	557	53.7	38.8	34.4	32.9	33.6	34.4
White.....	405	366	333	59.6	47.4	43.6	40.9	39.9	41.4
Colored.....	265	222	219	46.1	30.4	25.5	25.3	27.7	28.0
Tennessee (total).....	1,146	1,113	1,094	53.1	48.2	47.1	46.6	43.2	44.1
White.....	936	905	905	52.0	48.5	47.3	47.8	43.3	44.2
Colored.....	210	208	189	53.0	47.0	46.4	41.9	42.6	43.7
Utah.....	316	292	250	82.1	67.4	63.3	55.1	59.5	52.3
Vermont.....	456	400	444	88.0	129.4	113.5	126.0	113.2	103.4
Virginia (total).....	1,366	1,329	1,299	63.3	57.6	56.6	55.9	52.3	53.9
White.....	1,061	1,007	948	66.5	63.3	60.9	58.2	56.0	57.1
Colored.....	305	322	351	52.6	43.8	46.4	50.7	43.9	46.5
Washington.....	1,281	1,192	1,123	84.1	90.7	85.8	82.1	77.7	75.3
Wisconsin.....	2,514	2,614	2,335	81.7	92.8	97.6	88.2	87.3	81.4
Wyoming.....	97	(*)	(*)	(*)	46.9	(*)	(*)	(*)	(*)

* Rate not computed.

† Not added to registration area until a later date.

MORTALITY FROM TUBERCULOSIS, UNITED STATES REGISTRATION AREA, 1922.

The Department of Commerce announces that compilations made by the Bureau of the Census show that 90,452 deaths were due to tuberculosis in the registration area of the United States in 1922, with a death rate of 97 per 100,000 population. This is a drop of 2.4 since 1921, in which year the rate was 99.4 per 100,000 population.

Though 12 States show increases in rates for 1922, in 22 States there are decreases, indicating that the general trend is still downward.

To permit better interstate comparisons for the year 1922, adjusted rates based on the standard million population have been calculated. The highest adjusted rate from tuberculosis for 1922 is 172.6 per 100,000 population for Colorado and the lowest is 36.1 for the adjoining State of Nebraska. The high rate for Colorado should not be

ascribed to unhealthfulness of climate, but rather to the fact that the climate attracts those afflicted with tuberculosis.

For certain States adjusted rates have been calculated separately for the white and colored populations. In this group of States Tennessee has the highest adjusted rates for both white and colored (respectively, 121.8 and 299.8 per 100,000 population). The lowest adjusted rate from tuberculosis for white population is 54.5 for Mississippi, and this State and Florida each show the lowest rate for colored population (171.5 per 100,000 population).

Deaths and death rates from tuberculosis (all forms) in the registration area (exclusive of Hawaii) and in the registration States.

Area.	Number of deaths.			Death rate per 100,000 population.					
	1922	1921	1920	Adjusted, ¹ 1922.	Crude. ²				
					1922	1921	1920	1919	1918
Registration area.....	90,452	88,135	99,916	(*)	97.0	99.4	114.2	125.6	150.0
Registration States (including District of Columbia) of 1918.....	51,772	81,985	93,170	(*)	97.4	99.0	114.0	124.9	148.8
California.....	5,881	5,422	5,555	144.5	159.1	151.1	159.6	175.3	189.7
Colorado.....	1,789	1,775	2,134	172.6	183.3	184.6	225.4	215.1	242.9
Connecticut.....	1,358	1,364	1,666	90.6	93.7	95.9	119.4	126.5	153.9
Delaware.....	273	318	327	115.9	119.6	130.5	146.0	163.6	(*)
Florida (total).....	1,032	959	1,021	101.4	100.8	95.7	101.1	104.8	(*)
White.....	446	417	435	64.3	61.8	62.4	67.1	74.9	(*)
Colored.....	586	542	585	171.5	174.5	162.5	176.8	161.6	(*)
Georgia (total).....	2,613	(*)	(*)	(*)	88.0	(*)	(*)	(*)	(*)
White.....	953	(*)	(*)	(*)	54.9	(*)	(*)	(*)	(*)
Colored.....	1,650	(*)	(*)	(*)	135.9	(*)	(*)	(*)	(*)
Idaho.....	202	(*)	(*)	(*)	44.0	(*)	(*)	(*)	(*)
Illinois.....	5,620	5,617	6,568	80.1	83.8	84.8	100.6	114.9	135.7
Indiana.....	2,619	2,752	3,201	84.6	87.6	92.9	108.8	114.1	140.2
Kansas.....	786	772	855	42.9	43.9	43.3	48.2	36.3	59.8
Kentucky (total).....	3,253	3,197	3,705	138.3	132.8	131.2	152.9	165.3	199.0
White.....	2,567	2,424	2,851	121.6	115.6	109.9	130.3	143.1	169.3
Colored.....	686	773	854	292.7	299.0	333.1	363.8	367.8	465.0
Louisiana (total).....	2,198	2,228	2,550	125.7	119.8	122.4	141.2	143.9	185.8
White.....	789	778	891	73.7	69.4	69.5	80.9	80.8	109.0
Colored.....	1,409	1,450	1,656	208.0	201.7	207.2	236.2	241.7	302.9
Maine.....	654	634	799	81.2	81.4	82.2	103.8	103.4	121.4
Maryland (total).....	1,939	1,997	2,139	127.2	130.2	135.5	146.7	165.8	207.6
White.....	1,255	1,252	1,337	96.9	101.1	102.1	110.4	129.4	163.1
Colored.....	684	745	802	273.7	275.7	301.8	326.6	344.2	423.4
Massachusetts.....	3,732	3,870	4,412	90.0	93.8	98.6	113.8	128.0	159.0
Michigan.....	2,644	2,755	3,101	66.5	68.0	72.5	83.6	85.7	101.5
Minnesota.....	1,714	1,875	2,151	68.0	69.5	77.0	89.5	94.7	104.6
Mississippi (total).....	1,924	1,989	2,287	116.4	107.4	111.1	127.8	136.0	(*)
White.....	413	423	410	54.5	48.4	49.5	47.8	57.3	(*)
Colored.....	1,511	1,566	1,877	171.5	161.3	167.2	201.2	207.1	(*)
Missouri.....	3,258	3,182	3,644	90.7	94.9	93.1	105.9	117.2	144.4
Montana.....	383	356	419	59.0	64.5	61.8	75.1	88.9	95.8
Nebraska.....	483	487	561	36.1	36.5	37.0	43.0	(*)	(*)
New Hampshire.....	398	351	430	85.8	89.2	78.9	97.0	102.5	123.1
New Jersey.....	3,148	3,013	3,635	91.2	95.0	93.6	114.0	127.4	157.4
New York.....	10,695	10,836	12,634	93.8	99.8	102.4	120.9	140.9	167.9
North Carolina (total).....	2,716	2,739	3,001	115.1	102.5	104.8	116.5	122.4	138.7
White.....	1,318	1,266	1,491	79.7	71.0	69.3	82.8	85.0	94.7
Colored.....	1,398	1,473	1,513	198.5	176.2	187.4	194.2	205.9	238.8
Ohio.....	5,159	5,270	5,975	81.8	85.8	89.1	102.8	114.6	133.2
Oregon.....	581	608	703	68.6	71.6	76.0	89.1	90.6	88.1
Pennsylvania.....	8,018	8,197	9,213	87.7	89.2	92.3	105.0	119.1	151.6
Rhode Island.....	588	663	798	91.5	94.8	108.0	131.3	148.8	181.5

¹ The adjusted rate makes allowance for the differences in the age and sex composition of the populations in the 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.

² The crude rate is based on total population and all deaths occurring within the given area.

³ Rate not computed.

⁴ Not added to registration area until a later date.

Deaths and death rates from tuberculosis (all forms) in the registration area (exclusive of Hawaii) and in the registration States—Continued.

Area.	Number of deaths.			Death rate per 100,000 population.					
	1922	1921	1920	Adjusted, 1922.	Crude.				
					1922	1921	1920	1919	1918
South Carolina (total).....	1,891	1,901	2,031	123.0	109.5	111.2	120.0	135.6	144.5
White.....	425	440	540	55.1	49.7	52.4	65.5	68.0	67.9
Colored.....	1,466	1,461	1,491	192.1	168.0	168.0	172.0	199.0	215.4
Tennessee (total).....	3,520	3,304	3,860	157.1	148.1	139.9	164.6	169.0	206.8
White.....	2,195	2,039	2,451	121.8	113.7	106.6	129.3	126.6	151.5
Colored.....	1,325	1,265	1,409	299.8	296.8	282.0	312.6	344.9	432.5
Utah.....	194	184	177	42.9	41.4	39.9	39.1	44.8	47.8
Vermont.....	326	245	288	87.8	92.5	69.5	81.8	91.0	104.5
Virginia (total).....	3,092	3,131	3,319	137.5	130.3	133.4	142.9	150.1	183.6
White.....	1,457	1,423	1,545	91.4	86.9	86.1	91.8	97.5	126.1
Colored.....	1,635	1,708	1,774	246.6	234.8	245.9	256.2	272.0	315.9
Washington.....	1,104	1,150	1,346	75.0	78.2	82.7	98.4	103.0	103.6
Wisconsin.....	1,928	2,014	2,267	70.0	71.2	75.1	85.6	84.1	94.4
Wyoming.....	86	(*)	(*)	(*)	41.6	(*)	(*)	(*)	(*)

* Rate not computed.

† Not added to registration area until a later date.

DEATHS DURING WEEK ENDED DECEMBER 8, 1923.

Summary of information received by telegraph from industrial insurance companies for week ended Dec. 8, 1923, and corresponding week of 1922. (From the Weekly Health Index, Dec. 11, 1923, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Dec. 8, 1923.	Corresponding week, 1922.
Policies in force	55,520,836	51,496,277
Number of death claims.....	10,430	9,810
Death claims per 1,000 policies in force, annual rate....	9.8	9.9

Deaths from all causes in certain large cities of the United States during the week ended December 8, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, Dec. 11, 1923, issued by the Bureau of the Census, Department of Commerce.)

City.	Week ended Dec. 8, 1923.		Annual death rate per 1,000, corresponding week, 1922.	Deaths under 1 year.		Infant mortality rate, week ended Dec. 8, 1923. ³
	Total deaths.	Death rate. ¹		Week ended Dec. 8, 1923.	Corresponding week, 1922.	
Total.....	6,965	12.4	12.8	882	804	.....
Akron, Ohio.....	34	8.5	7.5	3	4	36
Albany, N. Y. ²	39	17.3	13.5	4	2	88
Atlanta, Ga.....	88	20.6	16.1	16	12	.....
Baltimore, Md. ²	216	14.6	15.1	38	34	112
Birmingham, Ala.....	60	16.0	12.8	12	9	.....
Boston, Mass.....	205	13.9	15.2	26	29	74
Bridgeport, Conn.....	25	9.1	9.8	3	0	41
Buffalo, N. Y.....	119	11.6	13.4	10	16	42
Cambridge, Mass.....	30	14.0	16.5	3	7	53
Camden, N. J. ²	35	14.7	12.0	7	6	116

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1922. Cities left blank are not in the registration area for births.

³ Deaths for week ended Friday, Dec. 7, 1923.

Deaths from all causes in certain large cities of the United States during the week ended December 8, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, Dec. 11, 1923, issued by the Bureau of the Census, Department of Commerce)—Continued.

City.	Week ended Dec. 8, 1923.		Annual death rate per 1,000, corresponding week, 1922.	Deaths under 1 year.		Infant mortality rate, week ended Dec. 8, 1923.
	Total deaths.	Death rate.		Week ended Dec. 8, 1923.	Corresponding week, 1922.	
Chicago, Ill. ²	647	11.7	11.0	98	84	83
Cincinnati, Ohio.....	120	15.4	16.2	9	13	59
Cleveland, Ohio ²	171	10.0	10.6	31	19	85
Columbus, Ohio.....	73	14.6	12.3	6	6	62
Dallas, Tex.....	43	12.6	10.9	2	5	.....
Dayton, Ohio.....	30	9.5	11.3	4	4	66
Denver, Colo.....	74	14.2	17.0	4	7	.....
Des Moines, Iowa.....	58	14.1	.....	0	.....	.....
Detroit, Mich.....	219	11.5	10.1	44	43	88
Duluth, Minn.....	20	9.8	6.5	2	2	46
Erie, Pa.....	25	11.6	10.5	2	2	41
Fall River, Mass. ²	27	11.6	20.3	3	3	43
Flint, Mich.....	14	6.2	6.5	0	1	0
Fort Worth, Tex.....	34	12.3	14.1	6	6	.....
Grand Rapids, Mich.....	30	7.1	12.7	0	0	0
Houston, Tex.....	39	13.1	12.9	6	10	.....
Indianapolis, Ind.....	69	10.5	13.1	10	8	77
Jacksonville, Fla.....	35	18.2	13.9	4	2	.....
Jersey City, N. J.....	65	11.0	11.8	4	9	27
Kansas City, Mo.....	116	17.2	13.8	19	11	.....
Los Angeles, Calif.....	204	16.0	14.5	17	20	64
Louisville, Ky.....	81	16.4	13.4	6	4	65
Lowell, Mass.....	22	10.0	13.7	5	6	87
Lynn, Mass.....	18	9.1	14.4	6	3	153
Memphis, Tenn.....	64	19.6	15.2	16	5	.....
Milwaukee, Wis.....	82	8.8	9.8	15	15	74
Minneapolis, Minn.....	89	11.3	11.7	10	9	54
Nashville, Tenn. ²	34	14.6	12.6	6	4	.....
New Bedford, Mass.....	22	8.8	9.4	5	4	78
New Haven, Conn.....	35	10.6	13.2	3	4	39
New Orleans, La.....	163	21.0	20.1	11	31	.....
New York, N. Y.....	1,250	11.0	11.2	161	157	64
Bronx Borough.....	142	8.8	8.8	14	13	49
Brooklyn Borough.....	407	9.8	10.5	54	64	57
Manhattan Borough.....	564	13.0	13.2	84	67	82
Queens Borough.....	89	8.7	9.2	7	10	37
Richmond Borough.....	48	19.6	13.0	2	3	36
Newark, N. J.....	105	12.5	14.0	14	15	66
Norfolk, Va.....	24	7.9	12.1	4	7	71
Oakland, Calif.....	41	8.9	11.6	8	4	39
Omaha, Nebr.....	38	9.7	16.1	5	6	54
Paterson, N. J.....	35	13.1	15.1	3	4	48
Philadelphia, Pa.....	333	14.5	16.8	55	75	71
Pittsburgh, Pa.....	300	17.0	17.2	20	30	79
Portland, Oreg.....	51	9.7	12.0	6	4	61
Providence, R. I.....	68	14.6	13.8	11	8	90
Richmond, Va.....	48	13.8	10.6	14	10	172
Rochester, N. Y.....	64	10.5	8.7	9	4	71
St. Louis, Mo.....	215	13.9	12.5	16	13	.....
St. Paul, Minn.....	54	11.6	13.0	4	7	37
Salt Lake City, Utah ²	30	12.4	11.8	3	10	49
San Antonio, Tex.....	52	14.7	14.9	16	11	.....
San Francisco, Calif.....	144	13.9	16.5	13	7	78
Seattle, Wash.....	44	7.3	9.1	5	5	44
Spokane, Wash.....	23	11.5	16.5	2	3	44
Springfield, Mass.....	28	10.1	14.1	3	4	43
Syracuse, N. Y.....	45	12.7	12.1	6	10	78
Tacoma, Wash.....	19	9.7	10.4	2	2	50
Toledo, Ohio.....	53	10.3	10.0	1	7	10
Trenton, N. J.....	34	13.9	16.7	5	1	85
Utica, N. Y.....	26	13.1	.....	6	.....	127
Washington, D. C.....	102	12.2	13.3	13	11	74
Wilmington, Del.....	30	13.3	9.5	2	4	41
Worcester, Mass.....	49	13.3	14.1	4	7	46
Yonkers, N. Y.....	16	7.8	12.9	1	3	22

²Deaths for week ended Friday, Dec. 7, 1923.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

Reports for Week Ended December 15, 1923.

ARIZONA.		Cases.	CALIFORNIA—continued.		Cases.
Chicken pox.....		8	Smallpox:		
Diphtheria.....		9	Long Beach.....		11
Measles.....		17	Los Angeles.....		55
Mumps.....		3	Los Angeles County.....		17
Scarlet fever.....		21	Orange County.....		8
Tuberculosis.....		98	Scattering.....		21
Typhoid fever.....		1	Typhoid fever.....		15
			Typhus fever—Los Angeles.....		1
ARKANSAS.			COLORADO.		
Chicken pox.....		15	(Exclusive of Denver.)		
Dengue.....		1	Chicken pox.....		13
Hookworm disease.....		1	Diphtheria.....		20
Influenza.....		90	Measles.....		98
Malaria.....		92	Mumps.....		25
Measles.....		43	Pneumonia.....		3
Mumps.....		1	Scarlet fever.....		23
Ophthalmia neonatorum.....		2	Septic sore throat.....		6
Paratyphoid fever.....		1	Smallpox.....		4
Pellagra.....		5	Typhoid fever.....		7
Scarlet fever.....		5	Tuberculosis.....		52
Smallpox.....		12	CONNECTICUT.		
Trachoma.....		2	Cerebrospinal meningitis.....		1
Tuberculosis.....		19	Chicken pox.....		131
Typhoid fever.....		13	Diphtheria.....		73
Whooping cough.....		19	German measles.....		3
CALIFORNIA.			Influenza.....		7
Cerebrospinal meningitis—Los Angeles.....		1	Measles.....		209
Diphtheria.....		320	Mumps.....		46
Influenza.....		35	Pneumonia (lobar).....		25
Jaundice.....		3	Scarlet fever.....		105
Lethargic encephalitis—Stockton.....		1	Septic sore throat.....		4
Measles.....		323	Typhoid fever.....		6
Poliomyelitis:			Tuberculosis (all forms).....		36
Hanford.....		1	Whooping cough.....		28
Los Angeles.....		1			
Los Angeles County.....		2			
Scarlet fever.....		260			

MARYLAND—continued.

	Cases.
Scarlet fever.....	96
Smallpox.....	2
Tuberculosis.....	92
Typhoid fever.....	19
Whooping cough.....	46

MASSACHUSETTS.

Cerebrospinal meningitis.....	1
Chicken pox.....	481
Conjunctivitis (suppurative).....	14
Diphtheria.....	289
German measles.....	11
Influenza.....	6
Lethargic encephalitis.....	1
Malaria.....	1
Measles.....	324
Mumps.....	197
Ophthalmia neonatorum.....	14
Pneumonia (lobar).....	104
Poliomyelitis.....	10
Scarlet fever.....	351
Septic sore throat.....	2
Smallpox.....	4
Trachoma.....	1
Tuberculosis (all forms).....	123
Typhoid fever.....	8
Whooping cough.....	99

MICHIGAN.

Diphtheria.....	205
Measles.....	356
Pneumonia.....	85
Scarlet fever.....	302
Smallpox.....	112
Tuberculosis.....	175
Typhoid fever.....	11
Whooping cough.....	101

MINNESOTA.

Chicken pox.....	185
Diphtheria.....	126
Measles.....	178
Pneumonia.....	6
Poliomyelitis.....	2
Scarlet fever.....	298
Smallpox.....	37
Tuberculosis.....	31
Typhoid fever.....	8
Whooping cough.....	5

MISSISSIPPI.

Diphtheria.....	20
Poliomyelitis.....	1
Scarlet fever.....	8
Smallpox.....	1
Typhoid fever.....	2

MISSOURI.

(Exclusive of Cape Girardeau.)

Cerebrospinal meningitis.....	9
Chicken pox.....	100
Diphtheria.....	122
Influenza.....	10
Measles.....	460
Mumps.....	44
Pneumonia.....	23
Poliomyelitis.....	3

MISSOURI—continued.

	Cases.
Scarlet fever.....	146
Smallpox.....	16
Trachoma.....	32
Tuberculosis.....	61
Typhoid fever.....	8
Whooping cough.....	68

MONTANA.

Diphtheria.....	11
Scarlet fever.....	16
Smallpox.....	49
Typhoid fever.....	1

NEW JERSEY.

Cerebrospinal meningitis.....	1
Chicken pox.....	332
Diphtheria.....	159
Influenza.....	19
Measles.....	182
Pneumonia.....	142
Poliomyelitis.....	6
Scarlet fever.....	116
Trachoma.....	1
Typhoid fever.....	9
Whooping cough.....	74

NEW MEXICO.

Chicken pox.....	10
Diphtheria.....	10
Measles.....	13
Mumps.....	6
Pneumonia.....	1
Scarlet fever.....	9
Tuberculosis.....	15
Typhoid fever.....	2
Whooping cough.....	2

NEW YORK.

(Exclusive of New York City.)

Diphtheria.....	219
Influenza.....	17
Lethargic encephalitis.....	2
Measles.....	802
Pneumonia.....	172
Poliomyelitis.....	6
Scarlet fever.....	301
Smallpox.....	10
Typhoid fever.....	10
Whooping cough.....	364

NORTH CAROLINA.

Chicken pox.....	182
Diphtheria.....	97
German measles.....	1
Measles.....	1,339
Poliomyelitis.....	2
Scarlet fever.....	62
Smallpox.....	75
Trachoma.....	2
Typhoid fever.....	11
Whooping cough.....	344

OREGON.

Chicken pox.....	52
Diphtheria:	
Portland.....	72
Scattering.....	24

Reports for Week Ended December 8, 1923.

DISTRICT OF COLUMBIA.		NORTH DAKOTA.	
	Cases.		Cases.
Chicken pox.....	81	Chicken pox.....	18
Diphtheria.....	16	Diphtheria.....	19
Influenza.....	2	German measles.....	1
Lethargic encephalitis.....	1	Measles.....	220
Measles.....	9	Pneumonia.....	6
Scarlet fever.....	25	Scarlet fever.....	78
Smallpox.....	6	Smallpox.....	6
Tuberculosis.....	27	Trachoma.....	2
Typhoid fever.....	1	Tuberculosis.....	14
Whooping cough.....	11	Typhoid fever.....	3
		Whooping cough.....	7
NEBRASKA.			
Chicken pox.....	37		
Diphtheria.....	33	WYOMING.	
Measles.....	165	Chicken pox.....	13
Mumps.....	11	Diphtheria.....	1
Scarlet fever.....	60	Measles.....	99
Smallpox.....	2	Mumps.....	1
Tuberculosis.....	2	Scarlet fever.....	10
Whooping cough.....	3	Whooping cough.....	26

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.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>October, 1923.</i>										
South Dakota.....	2	116			258		8	173	24	11
<i>November, 1923.</i>										
Alabama.....	4	266	286	392	690	16		136	13	73
Arizona.....		19			43		1	55		1
Arkansas.....		105	355	362	208	26	2	76	29	70
Delaware.....	1	34	2	2	36			94		12
Florida.....	2	66	17	125	291	13	2	9	8	30
Massachusetts.....	9	1,151	23	1	1,096	3	40	1,018		47
Nebraska.....	6	149		1	310		8	157	10	3
Vermont.....		34			592			61	77	5
Virginia.....	11	276	39		45			315	9	93

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923.

ANTHRAX.

City.	Cases.	Deaths.
Pennsylvania:		
Philadelphia.....	1	

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 1, 1923.		City.	Median for previous years.	Week ended Dec. 1, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Connecticut:				New Jersey:			
Bridgeport.....	0	1	1	Bayonne.....	0	1	.....
Louisiana:				Montclair.....	0	1	.....
New Orleans.....	0	1	1	New York:			
Maryland:				New York.....	4	1	2
Baltimore.....	0	1	1	North Carolina:			
Massachusetts:				Wilmington.....	0	.....	1
Boston.....	1	.....	1	Ohio:			
Fall River.....	0	1	.....	Toledo.....	0	1	1
New Bedford.....	0	1	.....	Texas:			
Michigan:				San Antonio.....	0	.....	1
Jackson.....	0	.....	1	Wisconsin:			
Minnesota:				Milwaukee.....	1	1	1
Minneapolis.....	0	1	.....			

DENGUE.

City.	Cases.	Deaths.
Texas:		
San Antonio.....	1

DIPHTHERIA.

See p. 3050; also Current State summaries, p. 3088, and Monthly summaries by States, p. 3042.

INFLUENZA.

City.	Cases.		Deaths, week ended Dec. 1, 1923.	City.	Cases.		Deaths, week ended Dec. 1, 1923.
	Week ended Dec. 2, 1922.	Week ended Dec. 1, 1923.			Week ended Dec. 2, 1922.	Week ended Dec. 1, 1923.	
Alabama:				Illinois:			
Anniston.....	.....	6	.....	Alton.....	.....	.....	1
Birmingham.....	.....	13	5	Champaign.....	2	.....	.....
Mobile.....	.....	.....	1	Chicago.....	7	16	6
Montgomery.....	.....	.....	1	Danville.....	3	.....	.....
Arkansas:				Decatur.....	.....	1	.....
Little Rock.....	.....	2	.....	East St. Louis.....	1	.....	.....
North Little Rock.....	.....	2	.....	Freeport.....	1	.....	.....
California:				Springfield.....	.....	1	1
Long Beach.....	.....	1	.....	Indiana:			
Los Angeles.....	5	14	.....	Newcastle.....	1	.....	.....
Oakland.....	1	.....	.....	Kansas:			
San Diego.....	.....	2	.....	Kansas City.....	1	.....	.....
San Francisco.....	2	3	1	Kentucky:			
Connecticut:				Louisville.....	1	.....	1
New Britain.....	4	.....	.....	Louisiana:			
District of Columbia:				New Orleans.....	1	3	3
Washington.....	2	.....	.....	Maryland:			
Florida:				Baltimore.....	14	0	4
Tampa.....	1	1	.....	Cumberland.....	.....	2	.....
Georgia:				Massachusetts:			
Atlanta.....	3	2	.....	Arlington.....	1	.....	.....
Macon.....	6	.....	.....	Beverly.....	1	.....	.....
Savannah.....	.....	6	.....	Boston.....	2	3	1

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

INFLUENZA—Continued.

City.	Cases.		Deaths, week ended Dec. 1, 1923.	City.	Cases.		Deaths, week ended Dec. 1, 1923.
	Week ended Dec. 2, 1922.	Week ended Dec. 1, 1923.			Week ended Dec. 2, 1922.	Week ended Dec. 1, 1923.	
Massachusetts—Contd.				New York—Continued.			
Fall River.....	1			Schenectady.....		1	1
Fitchburg.....	1			Syracuse.....	1		
Lynn.....	1	2		Ohio:			
Springfield.....			1	Cincinnati.....		1	2
Michigan:				Cleveland.....	1	4	
Detroit.....	2	1		East Cleveland.....		1	
Highland Park.....	1			Steubenville.....	1		
Saginaw.....	1			Oklahoma:			
Minnesota:				Oklahoma.....			1
Minneapolis.....			1	Pennsylvania:			
Missouri:				Philadelphia.....	2		
Kansas City.....	1	2	3	Pittsburgh.....		2	2
St. Louis.....	1	1		Texas:			
Montana:				Dallas.....		2	
Missoula.....	1			Fort Worth.....		1	
New Jersey:				Virginia:			
Bayonne.....	1			Richmond.....			1
Newark.....	16	6		West Virginia:			
Passaic.....		1		Wheeling.....			1
Trenton.....			1				
New York:							
Amsterdam.....		2					
New York.....	43	25	9				

LETHARGIC ENCEPHALITIS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Connecticut:			Michigan:		
New London.....	1	1	Detroit.....	2	
Illinois:			New York:		
Chicago.....	4	1	New York.....	5	3
Maryland:			Texas:		
Baltimore.....		1	Galveston.....	1	1
			San Antonio.....		1

MALARIA.

Georgia:			Rhode Island:		
Augusta.....	2	1	Cumberland.....	1	
Savannah.....	1				

MEASLES.

See p. 3050; also Current State summaries, p. 3038; and Monthly summaries by States, p. 3042.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Arkansas:			Texas:		
Little Rock.....	1		Fort Worth.....	1	

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

PNEUMONIA (ALL FORMS).

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Kentucky:		
Anniston.....	12	3	Covington.....		1
Birmingham.....	8	6	Henderson.....		2
Mobile.....	1	1	Lexington.....		3
Montgomery.....		4	Louisville.....		9
Arkansas:			Louisiana:		
Little Rock.....	4		New Orleans.....		21
North Little Rock.....	2		Maine:		
California:			Auburn.....		1
Bakersfield.....	1		Bangor.....	1	
Berkeley.....	1		Lewiston.....		2
Eureka.....	2		Portland.....		2
Glendale.....		1	Maryland:		
Long Beach.....	2	1	Baltimore.....	39	26
Los Angeles.....	22	15	Cumberland.....		3
Oakland.....		7	Massachusetts:		
Pasadena.....	2		Boston.....		28
Sacramento.....		2	Cambridge.....		6
San Bernardino.....		1	Chelsea.....	6	2
San Diego.....	4	3	Chicopee.....	1	
San Francisco.....	7	4	Easthampton.....	2	1
Santa Ana.....		1	Everett.....	1	
Stockton.....	6	2	Fall River.....		2
Colorado:			Haverhill.....		1
Denver.....		8	Holyoke.....		3
Pueblo.....		2	Lawrence.....		1
Connecticut:			Lowell.....		6
Bridgeport.....		3	Lynn.....	4	
Bristol.....	1		Malden.....		1
Fairfield.....	1		Medford.....	1	
New Haven.....		2	Melrose.....		1
Waterbury.....		4	New Bedford.....		2
Delaware:			North Adams.....		2
Wilmington.....		4	Quincy.....	1	
District of Columbia:			Somerville.....		3
Washington.....		15	Southbridge.....	1	2
Florida:			Springfield.....	1	
Tampa.....		1	Wakefield.....	1	
Georgia:			Waltham.....		1
Atlanta.....	22	17	Watertown.....		1
Augusta.....		4	Woburn.....		1
Rome.....	2		Worcester.....		7
Savannah.....		9	Michigan:		
Illinois:			Ann Arbor.....	2	
Aurora.....	3	1	Battle Creek.....	2	
Chicago.....	160	45	Benton Harbor.....		1
Cicero.....		1	Detroit.....	37	33
Decatur.....	2		Flint.....	4	2
East St. Louis.....		1	Grand Rapids.....	4	
Elgin.....		1	Hamtramck.....	2	1
Herrin.....	1		Highland Park.....	2	
Jacksonville.....		1	Ironwood.....		2
Kewanee.....		1	Jackson.....	3	1
La Salle.....	1		Kalamazoo.....	2	1
Murphysboro.....		1	Muskegon.....	4	3
Oak Park.....	2	1	Pontiac.....	5	2
Quincy.....	1		Port Huron.....	1	
Rock Island.....	1		Saginaw.....		2
Rockford.....	1	1	Minnesota:		
Springfield.....	5	4	Duluth.....		6
Indiana:			Minneapolis.....		7
Bloomington.....		1	Rochester.....		1
Fort Wayne.....		3	St. Paul.....		8
Gary.....		3	Missouri:		
Hammond.....		1	Kansas City.....	14	13
Indianapolis.....		15	St. Joseph.....		5
Kokomo.....		1	Springfield.....		1
Mishwaka.....		1	Nebraska:		
Muncie.....		2	Lincoln.....		2
Newcastle.....		1	Omaha.....		3
South Bend.....		3	New Hampshire:		
Terre Haute.....		1	Keene.....		1
Iowa:			Manchester.....		1
Burlington.....	3	2	New Jersey:		
Kansas:			Atlantic City.....	5	1
Atchison.....	2		Bayonne.....	6	
Kansas City.....	4		Bloomfield.....		1
Topeka.....		1	Camden.....		5
Wichita.....		4			

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
New Jersey—Continued.			Ohio—Continued.		
Elizabeth.....		3	Lancaster.....		1
Englewood.....	4		Lorain.....	1	
Hackensack.....		1	Middletown.....		1
Harrison.....	1		New Philadelphia.....	1	
Hoboken.....		2	Niles.....	1	
Jersey City.....	1		Sandusky.....		2
Kearny.....	1		Toledo.....		3
Newark.....	42	9	Youngstown.....		3
Orange.....	5	2	Oklahoma:		
Passaic.....	1		Oklahoma.....		2
Paterson.....	4		Oregon:		
Porth Amboy.....		1	Portland.....		10
Phillipsburg.....	1		Pennsylvania:		
Plainfield.....	2		Philadelphia.....	72	52
West New York.....		2	Pittsburgh.....		52
West Orange.....	1		Rhode Island:		
New Mexico:			Cumberland.....	2	
Albuquerque.....		1	Pawtucket.....		1
New York:			Providence.....		6
Albany.....	5		South Carolina:		
Auburn.....		1	Columbia.....		2
Buffalo.....	12	5	South Dakota:		
Cohoes.....		1	Sioux Falls.....		2
Geneva.....		1	Tennessee:		
Glens Falls.....		1	Memphis.....		7
Hornell.....	1		Nashville.....		6
Hudson.....	2		Texas:		
Ithaca.....	1		Beaumont.....		1
Lackawanna.....	3		Dallas.....		2
Mount Vernon.....	2		El Paso.....		2
New York.....	295	122	Fort Worth.....		4
Olean.....		1	Houston.....		3
Peekskill.....	1		San Antonio.....		5
Rochester.....	18	1	Waco.....		1
Rome.....	3		Utah:		
Saratoga Springs.....	2	1	Salt Lake City.....		2
Schenectady.....	1		Vermont:		
Syracuse.....	23	6	Burlington.....		1
Troy.....	2		Virginia:		
White Plains.....	3		Lynchburg.....		1
Yonkers.....	2	1	Nowport News.....		1
North Carolina:			Norfolk.....		5
Durham.....		2	Petersburg.....		1
Raleigh.....		2	Portsmouth.....		1
Wilmington.....		1	Richmond.....		1
Winston-Salem.....		2	Roanoke.....	1	
North Dakota:			West Virginia:		
Fargo.....		1	Bluefield.....		2
Ohio:			Charleston.....		1
Akron.....	6		Wheeling.....		1
Ashtabula.....		1	Wisconsin:		
Barberton.....		1	Eau Claire.....	2	
Bellaire.....		2	Kenosha.....	1	
Cambridge.....	1		Madison.....		1
Canton.....		3	Milwaukee.....	5	
Cincinnati.....		13	Oshkosh.....		1
Cleveland.....	23	9	Racine.....		3
Columbus.....		7	Sheboygan.....		1
Cuyahoga Falls.....	1		Wausau.....		1
Dayton.....	1		Wyoming:		
East Cleveland.....	2	1	Cheyenne.....		2
Hamilton.....		2			

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 1, 1923.		City.	Median for previous years.	Week ended Dec. 1, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New Jersey:			
Berkeley.....	0	2	.....	Newark.....	0	2	.....
Long Beach.....	0	1	.....	New York:			
Los Angeles.....	0	2	.....	Middletown.....	0	1	.....
Oakland.....	0	2	.....	New York:	2	6	.....
Connecticut:				Syracuse.....	0		.....
Bridgeport.....	0	1	.....	Pennsylvania:			
District of Columbia:				Philadelphia.....	0	1	.....
Washington.....	0	1	.....			
Illinois:							
Chicago.....	0	2	.....			
Massachusetts:							
Boston.....	1	2	.....			
Lawrence.....	0	2	.....			
Lowell.....	0	1	.....			

RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
California:		Tennessee:	
Los Angeles.....	6	Memphis.....	1
Missouri:			
Kansas City.....	2		

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

SCARLET FEVER.

See p. 3050; also Current State summaries, p. 3038, and Monthly summaries by States, p. 3042.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 1, 1923.		City.	Median for previous years.	Week ended Dec. 1, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New York:			
Long Beach.....	0	1	.....	Albany.....	0	9	.....
Los Angeles.....	0	41	.....	North Carolina:			
Pasadena.....	0	1	.....	Durham.....	0	1	.....
Riverside.....	0	2	.....	Ohio:			
Santa Ana.....	0	1	.....	Cleveland.....	2	2	.....
District of Columbia:				Dayton.....	0	3	.....
Washington.....	0	12	.....	Lancaster.....	0	1	.....
Georgia:				Middletown.....	0	2	.....
Atlanta.....	4	19	.....	Youngstown.....	0	3	.....
Indiana:				Zanesville.....	0	11	.....
Gary.....	0	1	.....	Oregon:			
Indianapolis.....	3	4	.....	Portland.....	3	7	.....
Michigan City.....	.....	2	.....	Tennessee:			
Muncie.....	0	16	.....	Knoxville.....	0	1	.....
Iowa:				Texas:			
Burlington.....	0	1	.....	Beaumont.....	0	3	.....
Clinton.....	0	8	.....	Fort Worth.....	0	1	.....
Council Bluffs.....	2	1	.....	Utah:			
Davenport.....	0	3	.....	Salt Lake City.....	3	2	.....
Michigan:				Vermont:			
Detroit.....	2	17	.....	Burlington.....	0	7	.....
Highland Park.....	0	7	.....	Virginia:			
Holland.....	0	2	.....	Lynchburg.....	0	2	.....
Ironwood.....	0	1	.....	Washington:			
Jackson.....	0	13	.....	Aberdeen.....	2	1	.....
Pontiac.....	0	2	.....	Seattle.....	1	2	.....
Minnesota:				Spokane.....	25	17	.....
Duluth.....	0	1	.....	Tacoma.....	0	2	.....
Mankato.....	0	2	.....	Yakima.....	0	1	.....
Minneapolis.....	4	2	.....	Wisconsin:			
St. Paul.....	12	12	.....	Green Bay.....	0	1	.....
Nebraska:				Milwaukee.....	1	1	.....
Omaha.....	2	1	.....	Superior.....	0	1	.....

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Connecticut:		•	Pennsylvania:		
New Haven.....	1	Philadelphia.....	1	1

TUBERCULOSIS.

See p. 3050; also Current State summaries, p. 3038.

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 1, 1923.		City.	Median for previous years.	Week ended Dec. 1, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Missouri:			
Anniston.....	0	1	.....	Cape Girardeau.....	0	1	.....
California:				St. Louis.....	4	3	.....
Los Angeles.....	2	6	.....	Montana:			
Oakland.....	1	1	.....	Missoula.....	0	1	.....
Richmond.....	0	1	.....	New Hampshire:			
San Bernardino.....	0	1	.....	Manchester.....	0	.....	1
San Diego.....	0	1	.....	New Jersey:			
San Francisco.....	1	.....	1	Atlantic City.....	0	1	.....
Stockton.....	0	1	1	Newark.....	1	1	1
Colorado:				New York:			
Denver.....	0	1	.....	Buffalo.....	2	2	1
Pueblo.....	0	1	.....	New York.....	17	10	1
Connecticut:				Rochester.....	1	3	1
Hartford.....	0	1	.....	Syracuse.....	1	1	1
Waterbury.....	0	4	1	White Plains.....	0	.....	1
Delaware:				North Carolina:			
Wilmington.....	1	2	.....	Wilmington.....	0	1	.....
District of Columbia:				Ohio:			
Washington.....	4	5	1	Columbus.....	0	1	.....
Georgia:				Cuyahoga Falls.....	.....	1	.....
Atlanta.....	0	1	.....	Lorain.....	0	1	.....
Savannah.....	0	1	.....	Mansfield.....	0	1	.....
Illinois:				Youngstown.....	0	1	1
Chicago.....	7	77	1	Oklahoma:			
Evanston.....	0	2	.....	Oklahoma.....	1	2	1
Jacksonville.....	0	3	.....	Oregon:			
Quincy.....	0	2	.....	Portland.....	1	3	.....
Indiana:				Pennsylvania:			
Fort Wayne.....	0	45	2	Lancaster.....	0	1	.....
Hammond.....	0	1	.....	Philadelphia.....	7	3	.....
Indianapolis.....	1	2	.....	Pittsburgh.....	1	1	.....
Logansport.....	0	2	.....	Steeltown.....	0	1	.....
Iowa:				Sunbury.....	0	1	.....
Council Bluffs.....	0	1	.....	York.....	0	2	.....
Kentucky:				Rhode Island:			
Covington.....	0	.....	2	Pawtucket.....	0	1	.....
Lexington.....	1	1	.....	Tennessee:			
Louisville.....	2	3	.....	Memphis.....	1	1	1
Louisiana:				Texas:			
New Orleans.....	1	1	.....	Dallas.....	0	4	.....
Maine:				El Paso.....	0	1	.....
Bangor.....	0	1	.....	Fort Worth.....	0	3	.....
Maryland:				Houston.....	0	.....	1
Baltimore.....	3	1	1	Waco.....	0	.....	2
Frederick.....	0	1	.....	Virginia:			
Massachusetts:				Charlottesville.....	0	1	.....
Belmont.....	0	1	.....	Richmond.....	1	2	.....
Boston.....	2	1	.....	Roanoke.....	0	2	1
Cambridge.....	0	1	.....	Washington:			
Fall River.....	0	1	.....	Seattle.....	0	1	.....
North Adams.....	0	1	1	Tacoma.....	0	2	.....
Springfield.....	0	1	.....	West Virginia:			
Watertown.....	0	1	.....	Fairmont.....	0	1	.....
Michigan:				Wisconsin:			
Detroit.....	4	6	.....	Appleton.....	0	2	.....
Grand Rapids.....	0	3	1	Manitowoc.....	0	1	.....
Muskegon.....	0	1	.....	Milwaukee.....	1	1	.....
Minnesota:				Wausau.....	0	1	.....
Minneapolis.....	2	1	.....			

TYPHUS FEVER.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			Georgia:		
Los Angeles.....	1	.....	Savannah.....	1	.....

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Anniston.....	17, 734	6					1			
Birmingham.....	178, 806	59	7	1			2		4	2
Mobile.....	60, 777	15					1			
Montgomery.....	43, 464	16			2					1
Arkansas:										
Fort Smith.....	28, 870		1				2			
Little Rock.....	65, 142		3		2		3		2	
North Little Rock.....	14, 048		1		1		1			
California:										
Alameda.....	28, 806	2	1		1		4			
Bakersfield.....	18, 638	3					2			
Berkeley.....	56, 036	11	8		14		4		2	1
Eureka.....	12, 923	6			2				3	1
Glendale.....	13, 536	16								5
Long Beach.....	55, 593	27	2	1	2		2		2	1
Los Angeles.....	576, 673	208	78	2	5		46	1	59	20
Oakland.....	216, 261	60	15	3	4		19			2
Pasadena.....	45, 354	16					2			
Richmond.....	16, 843	4	1		2					
Riverside.....	19, 341	7	3				3		3	
Sacramento.....	65, 908	27	4	1			2		1	4
San Bernardino.....	18, 721	10	5				6			3
San Diego.....	74, 683	21	8				5		3	4
San Francisco.....	506, 676	135	66	5	128	1	28		16	10
Santa Ana.....	15, 485	9	2	1						
Santa Cruz.....	10, 917	1			9		1			
Stockton.....	40, 296	13			4		10		2	
Colorado:										
Denver.....	256, 491	54	22		3		17			6
Greeley.....	10, 958	1								
Pueblo.....	43, 050	11	1		3		4		4	1
Trinidad.....	10, 906	1			3	1				
Connecticut:										
Bridgeport.....	143, 555	27	9	1			10		8	2
Bristol.....	20, 620	2	1				2			
Fairfield (town).....	11, 475	2								
Hartford.....	138, 036	8	7		1		9		3	1
Manchester (town).....	18, 370	4	1							
Milford (town).....	10, 193	0								
New Haven.....	162, 537	34	3	1	1		6		7	1
New London.....	25, 688	8					2		1	
Norwich (city).....	22, 304	5	1				2			
Waterbury.....	91, 715	25	8	1			12		5	
Delaware:										
Wilmington.....	110, 168	25	7		1		19			
District of Columbia:										
Washington.....	437, 571	139	17				30	1	20	9
Florida:										
St. Petersburg.....	14, 237	8			6		1			
Tampa.....	51, 608	15	3		5		1			1
Georgia:										
Albany.....	11, 555				1					
Atlanta.....	200, 616	85	4	1	43	2	6		5	4
Augusta.....	52, 548	30	1	1	1					1
Brunswick.....	14, 413	2								
Lagrange.....	17, 038		1		1					
Macon.....	52, 995		1		2		1		2	
Rome.....	13, 252				29					
Savannah.....	83, 252	39	2		11		1		3	2
Idaho:										
Boise.....	21, 393	5					1			
Pocatello.....	15, 091	1								
Illinois:										
Alton.....	24, 682	8	6				3		1	
Aurora.....	36, 397	4	10		1		3			
Berwyn.....	14, 150	2			6				1	1
Bloomington.....	28, 725	3			1		3			
Blue Island.....	11, 424	5	2		1					
Centralia.....	12, 491	5								
Chicago.....	2, 701, 705	570	143	11	42		86	2	139	33
Cicero.....	44, 995	5	4		5		1			
Decatur.....	43, 818	7	1				4			
East St. Louis.....	66, 767	22	1	2			1			

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popu- lation Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
Elgin.....	27,454	6			4				2	
Evanston.....	37,234	4	2				4			
Forest Park.....	10,768	1								
Freeport.....	19,669	8	1						1	
Galesburg.....	23,834	6			3					
Jacksonville.....	15,713	12							4	
Kewanee.....	16,026	6			2		1		1	
La Salle.....	13,050	1					1			
Murphysboro.....	10,703						1			
Oak Park.....	39,858	9	2		3		4			
Quincy.....	35,978	9			1		1		1	1
Rock Island.....	35,177	6	9	1	76					
Rockford.....	65,651	15								3
Springfield.....	59,183	16	3				2		7	
Indiana:										
Anderson.....	29,767	4			67		3			
Bloomington.....	11,595	6	1							
Crawfordsville.....	10,139	4					3			1
Elwood.....	10,790	3			31					
Evansville.....	85,264		9				8			
Fort Wayne.....	86,549	25	7	1			6	1		1
Frankfort.....	11,585	6	1							
Gary.....	55,378	10	9		9					
Hammond.....	36,004	8	1				9			
Huntington.....	14,000	4	1				2			
Indianapolis.....	314,194	108	13		2		2		1	6
Kokomo.....	30,067	4	2						1	
La Fayette.....	22,486	3								
Logansport.....	21,623	6	1						1	
Michigan City.....	19,457	2	3							
Mishawaka.....	15,195	6					2		2	
Muncie.....	36,524	14	1							
Newcastle.....	14,458	2			1					1
Richmond.....	28,765	0	1		1					
South Bend.....	70,983	17	8				19			
Terre Haute.....	66,083	16	1				4			1
Iowa:										
Burlington.....	24,057	11	3	1						
Cedar Rapids.....	45,566						3			
Clinton.....	24,151		5							
Council Bluffs.....	36,162	6	1				2			1
Davenport.....	56,727		8		52					
Dubuque.....	39,141	20	7				1			
Iowa City.....	11,267						4			
Muscatine.....	16,038	8	1		2					
Ottumwa.....	23,003		2							
Sioux City.....	71,227		6		73		5			
Waterloo.....	36,230						6			
Kansas:										
Atchison.....	12,630				27					
Coffeyville.....	13,452	1							1	
Fort Scott.....	10,693	1			2		1			
Hutchinson.....	23,298				1					
Kansas City.....	101,177		3		8		6		3	
Lawrence.....	12,456	1								
Parsons.....	16,028		4				1			
Topeka.....	50,022	9	7				3		2	
Wichita.....	72,217	28	13							
Kentucky:										
Covington.....	57,121	12					13			2
Henderson.....	12,169	7					1	1		
Lexington.....	41,534	18	2		2		1			2
Louisville.....	234,891	64	7		1		6	1	9	6
Owensboro.....	17,424						1			
Louisiana:										
New Orleans.....	387,219	163	21	3	8		7		15	9
Shreveport.....	43,874	20			36		1			1
Maine:										
Auburn.....	16,985	5								
Bangor.....	25,978				1					
Bath.....	14,731	4	1							
Biddeford.....	18,008	1	1		1					
Lewiston.....	31,791	7	1		1				3	1

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Maine—Continued.										
Portland.....	69,272	20	3							
Sanford (town).....	10,691	3	1						3	
Waterville.....	13,351		1		4					
Maryland:										
Baltimore.....	733,826	225	18	1	30		42		21	20
Cumberland.....	29,837	14	3				1			
Frederick.....	11,066	5	4							
Massachusetts:										
Amesbury (town).....	10,036	4								
Arlington (town).....	18,665	8	1				1			
Attleboro.....	19,731	7								1
Belmont (town).....	10,749	3			1					
Beverly.....	22,561	4	1		3		1			
Boston.....	748,060	183	52	5	46		84		21	11
Braintree (town).....	10,560	4								1
Brookline.....	37,748	7			8		8			
Cambridge.....	109,694	32	4		1		13	1	2	
Chelsea.....	43,184	14	1		3		6		3	
Chicopee.....	36,214	11	1							2
Clinton.....	12,979	3								
Danvers.....	11,108				6				2	1
Dedham.....	10,792	2								
Easthampton.....	11,261		1				1			
Everett.....	40,120		5		1				3	1
Fall River.....	120,485	24	5	1	2		4		2	3
Gardner.....	16,971	2	1		3					
Greenfield.....	15,462	1								
Haverhill.....	53,884	12	4				2		2	1
Holyoke.....	60,203	13	6		6		1		1	
Lawrence.....	94,270	23	6		5		4		1	1
Leominster.....	19,744	4					3			
Lowell.....	112,759	21	3		2		3		6	2
Lynn.....	93,148	20	3		1		4			
Malden.....	49,103	9	3		4		2		2	
Medford.....	39,038	8	5		1		2		1	1
Melrose.....	18,204	6	1				4			
New Bedford.....	121,217	20	2		1		1		6	2
Newburyport.....	15,618	3	1							
Newton.....	46,054	8	1	1	1		3		1	
North Adams.....	22,282	11								
Northampton.....	21,951	8					3			
Peabody.....	19,552	2	1				5			
Pittsfield.....	41,763	11	6	1	38				3	
Plymouth.....	13,045	2								
Quincy.....	47,876	3	3		3		2		1	
Revere.....	28,823	7								
Salem.....	42,529				18		14		1	
Somerville.....	93,091	27	4		4		4		2	3
Southbridge.....	14,245	6	1		1					1
Springfield.....	129,614	31	3	1	1		5		6	3
Taunton.....	37,137	7			3					1
Wakefield.....	13,025	3							1	
Waltham.....	30,915	11	12	1	2		1		2	
Watertown.....	21,457	5	1		17		1			
Webster.....	13,258	5	2				1			
West Springfield.....	13,443	5								
Westfield.....	18,604	1								
Winchester.....	10,485	4					3			
Winthrop.....	15,455	6								
Woburn.....	16,574	7								
Worcester.....	179,754	53	19	2			19		4	4
Michigan:										
Ann Arbor.....	19,516	18			1		2			
Battle Creek.....	36,164	2	2		1		8	2	1	
Benton Harbor.....	12,233	14	2				5			
Detroit.....	993,678	212	72	4	80	1	81		35	17
Flint.....	91,599	31	20	4	14		4	1	6	
Grand Rapids.....	137,634	36	7		1		10		7	1
Hamtramck.....	48,615	10	3	1	2					
Highland Park.....	46,499	7	2		3		4			1
Holland.....	12,183		1							
Ironwood.....	15,739	9					3			
Ishpeming.....	10,500	0	1		4		1			

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Michigan—Continued.										
Jackson.....	48,374	15	5	1	5	1	5			
Kalamazoo.....	48,487	22	19	1	10					
Marquette.....	12,718	3		83						
Muskegon.....	36,570	13	7		7					
Pontiac.....	34,273	17	4	1	3	3	1			
Port Huron.....	25,944	11	1		1	1				
Saginaw.....	61,903	17	5	1	6	6				
Sault Ste. Marie.	12,096	2			46	1				
Minnesota:										
Duluth.....	98,917	27	1			13			3	
Hibbing.....	15,089	3				5				
Mankato.....	12,469					1				
Minneapolis.....	380,582	70	41	2	9	61	2	7	2	
Rochester.....	13,722	15			2					
St. Cloud.....	15,873		3			1		1		
St. Paul.....	234,698	63	19	1	6	14		12	2	
Winona.....	19,143	5								
Missouri:										
Cape Girardeau.....	10,252	2			1					1
Independence.....	11,686		2			2				
Joplin.....	29,902				1					
Kansas City.....	324,410	91	15	3	24	14		9	6	
Saint Joseph.....	77,939	31	2		31	3				
Saint Louis.....	772,897	198	41		13	64	1	40	5	
Springfield.....	39,631	8		1						
Montana:										
Billings.....	15,100	1			41	1				
Great Falls.....	24,121	8	2		2	1				
Helena.....	12,037	6							1	
Missoula.....	12,668	7				2				
Nebraska:										
Lincoln.....	54,948	16	11	1	15	1				
Omaha.....	191,601	54	5	1	2	4			3	
Nevada:										
Reno.....	12,016	3								
New Hampshire:										
Berlin.....	16,104	4			4	1				
Concord.....	22,167	6				1				
Dover.....	13,029	2			5					
Keene.....	11,210	1			3					
Manchester.....	78,384	14	3		5	3				
New Jersey:										
Asbury Park ¹	12,400	8								
Atlantic City.....	50,707	8	5						3	
Bayonne.....	76,754	6			5	5			5	
Bloomfield.....	22,019	3								
Camden.....	116,300	34	28		1	7				
Clifton.....	26,470	3	2		1			1		
East Orange.....	50,710	4			2			1		
Elizabeth.....	95,783		10		2	1		2	2	
Englewood.....	11,627	2								
Garfield.....	19,381	1	1			1				
Hackensack.....	17,667	4								
Harrison.....	15,721								2	
Hoboken.....	68,186	18	4			5		4	1	
Jersey City.....	298,103		16		15	11		8		
Kearny.....	26,734	4	2		1	2		2		
Montclair.....	28,810	2								
Morristown.....	12,548	2								
Newark.....	414,524	98	20	1	3	11		23	8	
Orange.....	33,238	9						2		
Passaic.....	63,841	16	11		2	4		1		
Paterson.....	135,875	4			14			3		
Perth Amboy.....	41,707	6	3	1	2					
Phillipsburg.....	16,923	6	1			1				
Plainfield.....	27,700	7			8	3		2	1	
Rahway.....	11,042		3		1					
Summit.....	10,174	1								
Trenton.....	119,289	31	10		5			3	4	
Union (town).....	20,651		1			2				
West New York.....	29,926	6	1							
West Orange.....	15,573	4								

¹ Issue of Dec. 7 should have shown 2 cases scarlet fever instead of 2 deaths.

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popu- lation Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Mexico:										
Albuquerque.....	15,157	13	1	.....	1	.....	1	.....	2	8
New York:										
Albany.....	113,344	.....	30	.....	6	.....	22	.....	2	.....
Amsterdam.....	33,524	11	4	1	.....	9	4	.....	.....	.....
Auburn.....	36,192	17	.....	.....	.....	.....	.....	.....	.....	.....
Buffalo.....	506,775	103	28	1	4	.....	35	.....	21	9
Cohoes.....	22,987	8	.....	.....	20	.....	.....	.....	.....	.....
Geneva.....	14,648	4	.....	.....	.....	.....	.....	.....	.....	.....
Glens Falls.....	16,638	8	1	.....	.....	.....	.....	.....	.....	.....
Hornell.....	15,025	2	.....	.....	.....	.....	.....	.....	.....	1
Hudson.....	11,745	9	.....	.....	.....	.....	.....	.....	2	1
Ithaca.....	17,004	7	2	.....	.....	.....	.....	.....	1	.....
Lackawanna.....	17,918	4	1	1	8	.....	.....	.....	.....	.....
Lockport.....	21,308	5	.....	.....	34	.....	5	.....	1	.....
Middletown.....	18,420	8	.....	.....	1	.....	1	.....	1	.....
Mount Vernon.....	42,726	8	1	.....	1	.....	.....	.....	1	2
New York.....	5,620,018	1,183	181	12	201	2	92	2	153	184
Newburgh.....	30,336	6	.....	.....	.....	.....	1	.....	.....	1
Niagara Falls.....	50,760	10	2	.....	12	.....	.....	.....	3	2
North Tonawanda.....	15,482	5	1	.....	.....	.....	4	.....	.....	.....
Olean.....	20,505	10	.....	.....	1	.....	13	1	.....	.....
Ossining.....	10,739	4	.....	.....	.....	.....	.....	.....	.....	.....
Peekskill.....	15,863	5	1	.....	.....	.....	1	.....	1	1
Rochester.....	295,750	69	11	.....	.....	.....	5	1	16	5
Rome.....	26,341	12	.....	.....	48	1	4	.....	.....	1
Saratoga Springs.....	13,181	4	8	.....	.....	.....	1	.....	.....	.....
Schenectady.....	88,723	10	18	.....	45	.....	9	.....	3	.....
Syracuse.....	171,717	46	7	.....	37	2	34	.....	8	1
Troy.....	72,013	25	9	.....	47	.....	1	.....	2	.....
White Plains.....	21,031	4	.....	.....	5	.....	.....	.....	1	.....
Yonkers.....	100,176	29	7	1	.....	.....	1	.....	.....	4
North Carolina:										
Durham.....	21,719	3	3	.....	.....	.....	.....	.....	.....	.....
Raleigh.....	24,418	10	.....	.....	.....	.....	3	.....	1	.....
Rocky Mount.....	12,742	7	.....	.....	.....	.....	.....	.....	.....	.....
Salisbury.....	13,884	2	.....	.....	.....	.....	.....	.....	.....	.....
Wilmington.....	33,372	13	1	.....	2	.....	.....	.....	.....	1
Winston-Salem.....	48,395	21	2	1	44	1	1	.....	1	.....
North Dakota:										
Fargo.....	21,961	6	.....	.....	.....	.....	.....	.....	.....	2
Grand Forks.....	14,010	.....	.....	.....	.....	.....	2	.....	.....	.....
Ohio:										
Akron.....	208,435	25	13	.....	.....	.....	3	.....	.....	.....
Alliance.....	21,603	5	3	.....	.....	.....	2	.....	.....	.....
Ashtabula.....	22,062	4	.....	.....	.....	.....	1	.....	.....	.....
Barberton.....	18,811	5	1	.....	.....	.....	2	.....	.....	.....
Bellaire.....	15,031	2	.....	.....	1	.....	4	.....	.....	.....
Cambridge.....	13,104	5	1	.....	1	.....	5	.....	.....	.....
Canton.....	87,091	16	21	.....	4	.....	3	.....	1	.....
Chillicothe.....	15,831	4	.....	.....	.....	.....	.....	.....	.....	.....
Cincinnati.....	401,247	142	13	.....	23	1	19	1	11	11
Cleveland.....	795,841	159	27	1	20	.....	37	.....	31	10
Cleveland Heights.....	15,236	.....	.....	.....	.....	.....	1	.....	.....	.....
Columbus.....	237,031	84	19	.....	.....	.....	15	.....	.....	10
Cuyahoga Falls.....	10,200	.....	.....	.....	.....	.....	1	.....	.....	.....
Dayton.....	152,559	35	11	.....	.....	.....	10	.....	2	.....
East Cleveland.....	27,292	2	.....	.....	.....	.....	.....	.....	1	.....
East Liverpool.....	21,411	.....	4	.....	.....	.....	1	.....	.....	.....
East Youngstown.....	11,237	2	.....	.....	.....	.....	.....	.....	.....	.....
Findlay.....	17,021	3	.....	.....	.....	.....	1	.....	.....	.....
Fremont.....	12,468	3	.....	.....	.....	.....	3	.....	.....	.....
Hamilton.....	39,675	6	1	.....	.....	.....	.....	.....	.....	1
Kenmore.....	12,683	.....	1	.....	.....	.....	.....	.....	.....	.....
Lancaster.....	14,706	5	1	.....	.....	.....	1	.....	.....	.....
Lima.....	41,326	9	2	.....	.....	.....	1	.....	.....	1
Lorain.....	37,295	.....	2	.....	.....	.....	18	.....	.....	.....
Mansfield.....	27,824	4	.....	.....	.....	.....	1	.....	.....	.....
Martins Ferry.....	11,634	4	2	.....	.....	.....	2	.....	.....	.....
Middletown.....	23,594	4	1	.....	1	.....	1	.....	.....	1
New Philadelphia.....	10,718	.....	1	.....	50	.....	1	.....	.....	.....
Newark.....	26,718	5	1	.....	.....	.....	2	.....	.....	1

¹ Pulmonary only.

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ohio—Continued.										
Niles.....	13,080		1				1			
Norwood.....	24,966	2	1				1			
Piqua.....	15,044	8	1	1						
Salem.....	10,305	3								1
Sandusky.....	22,897	11					7			
Springfield.....	60,740	15	3				12			1
Steubenville.....	28,508	6			1		2			
Tiffin.....	14,375	4								
Toledo.....	243,164	63	21	2	4		27			4
Youngstown.....	132,358		10	1			10	5	2	2
Zanesville.....	29,569	9	3				2			
Oklahoma:										
Guthrie.....	11,757		2				3			
Oklahoma.....	91,295	26	5		1		3		1	
Shawnee.....	15,348	3			1		1			
Tulsa.....	72,075		1				4			
Oregon:										
Portland.....	258,288	58	24	3	503		3		5	1
Pennsylvania:										
Allentown.....	73,502		6				3		2	
Altoona.....	60,331		7		1		2		4	
Ambridge.....	12,730		3				21			
Beaver Falls.....	12,802				6				1	
Bethlehem.....	50,358		10		4		13		7	
Braddock.....	20,879						1			
Bristol.....	10,273		2							
Butler.....	23,778						1			
Canonsburg.....	10,632		3		1		1			
Carbondale.....	18,640		1		4					
Carlisle.....	10,916		1				3			
Chambersburg.....	13,171				1		4			
Chester.....	58,090		1							
Coatesville.....	14,515						1			
Connellsville.....	13,804						4			
Donora.....	14,131		1							
DuBois.....	13,691						1			
Dunmore.....	20,250		1							
Easton.....	33,813		1		1		1		2	
Eric.....	93,372		1				6		7	
Farrell.....	15,586		17				3			
Greensburg.....	15,033		2				1			
Harrisburg.....	75,917		1		1		2			
Hazleton.....	32,277		2							
Homestead.....	20,452		1				5			
Jeannette.....	10,627		2							
Johnstown.....	67,327		2				1			
Lancaster.....	53,150		3				5			
Lebanon.....	24,643		12		1		7		2	
McKee's Rocks.....	16,713						1		1	
Mahanoy City.....	15,599		1							
Monessen.....	18,179		1				1			
New Castle.....	44,938		1							
New Kensington.....	11,987		1							
Norristown.....	32,319		3							
North Braddock.....	14,928		1							
Oil City.....	21,274								1	
Philadelphia.....	1,823,779	425	95	5	25	2	59		60	33
Pittsburgh.....	588,343	196	42	5	9		37	2	15	12
Plymouth.....	16,500		2							
Punxsutawney.....	10,311						2			
Reading.....	107,784						1			
Scranton.....	137,783		4		9		1			
Sharon.....	21,747		2							
Shenandoah.....	24,726		2							
Steelton.....	13,428						5			
Sunbury.....	15,721						1			
Swissvale.....	10,908		2				1			
Tamaqua.....	12,363		2							
Uniontown.....	15,692		1				3			
Warren.....	14,272				1		2			
Washington.....	21,430				24		6			

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Wilkes-Barre	73,833		1		1					
Williamsport	36,198		2		175		2			
York	47,512		1				1			
Rhode Island:										
Cranston	29,407	5	1				9			
Cumberland (town)	10,077	2	2				4			
East Providence (town)	21,793		1				1			
Newport	30,255	7	1				1			
Pawtucket	64,243	13	1				3			
Providence	237,595	71	11		4		38			1
South Carolina:										
Charleston	67,957	15	2		7		1			
Columbia	37,524	12			22		1		2	
South Dakota:										
Sioux Falls	25,202	9			7		1			
Tennessee:										
Knoxville	77,818				9				1	1
Memphis	162,351	53	8		6		7		8	3
Nashville	118,342	53	6	2			4		2	
Texas:										
Amarillo	15,494	6					2			3
Beaumont	40,422	10	2				3			2
Dallas	158,976	29	19	2	161		4		1	3
El Paso	77,560	14	4		2		2		6	3
Forth Worth	106,452	25	4				1		3	
Galveston	44,255	13								
Houston	138,276	34	4				9			4
San Angelo	10,050	15								3
San Antonio	161,379	43	5	2	2		1		3	8
Temple	11,033		2				1			
Waco	38,500	19					2			1
Utah:										
Provo	10,303	2								
Salt Lake City	118,110	33	1		3		2			2
Vermont:										
Barre	10,008	4					1			
Burlington	22,779	10	2				1			
Virginia:										
Alexandria	18,050	3								
Charlottesville	10,688	1								
Lynchburg	30,070	7	1				4		3	1
Newport News	35,596	6	1		1		3			1
Norfolk	115,777		1		32		2			2
Petersburg	31,012	12	3						3	2
Portsmouth	54,387	15	1		1		1			
Richmond	171,667	56	13		5		5		3	6
Roanoke	50,842	21	3		2		3		1	
Washington:										
Aberdeen	15,337				1					
Bellingham	25,585		1		1					
Everett	27,644		1							
Seattle	315,312		7		105		7			
Spokane	104,437		7		200					
Tacoma	96,965				2		1			
Vancouver	12,637				2		1			
Yakima	18,539		1		85					
West Virginia:										
Bluefield	15,282	7					1			1
Charleston	39,608	26							1	4
Clarksburg	27,869	4	2		2		3	1		4
Fairmont	17,851		1				1			
Huntington	50,177	11					1			
Morgantown	12,127								3	
Parkersburg	20,050	4	1							
Wheeling	56,208	24	3				3			
Wisconsin:										
Appleton	19,561	5	5							
Ashland	11,334	3					3			
Beloit	21,284	1	1				1		1	
Eau Claire	20,906						1		1	
Fond du Lac	23,427	9					9			
Green Bay	31,017		5		2		12			
Janesville	18,293	3	1				2			

CITY REPORTS FOR WEEK ENDED DECEMBER 1, 1923—Continued.

DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Wisconsin—Continued.										
Kenosha.....	40,472		5		1				2	
La Crosse.....	30,421				1		1			
Madison.....	38,378	11	6		2		1			
Manitowoc.....	17,563	7								
Marinette.....	13,610	1	1		4					
Milwaukee.....	457,147		40	1	2		11		2	7
Oshkosh.....	33,162	3			2		1			1
Racine.....	58,593	16	8	1			4			
Sheboygan.....	30,955	13	6		2		3			
Stevens Point.....	11,371		2				10			
Superior.....	39,671	3	3				4			1
Waukesha.....	12,558	3								
Wausau.....	18,661		3				2			
West Allis.....	13,745		3				1			
Wyoming:										
Cheyenne.....	13,829	9					1			

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923.

ANTHRAX.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep- tember.		July.	August.	Sep- tember.
California:				New York:			
Colusa County.....		1		Fulton County— Gloversville.....			1
Glenn County—Wil- liams.....	1			Ohio:			
Napa County—Napa.....			2	Lucas County—To- ledo.....		1	
Sonoma County— Sebastopol.....		1		Trumbull County— Warren.....	1		
Yolo County—Graf- ton.....			1	Total.....	1	1	
Total.....	1	2	3	Pennsylvania:			
Delaware:				Philadelphia.....		1	
New Castle County— Wilmington.....	1		1	Somerset County.....		1	
Florida:				Total.....		2	
Hillsborough Coun- ty— Tampa.....		2		Rhode Island:			
Maryland:				Providence County...	1		1
Worcester County— Bishops township..	1			South Dakota:			
Massachusetts:				Beadle County.....		2	1
Middlesex County— Woburn.....			1	Hutchinson County— Freeman.....		1	
Mississippi.....	1		4	Kingsbury County— Iroquois.....		1	
New Jersey:				Total.....		4	1
Camden County— Camden.....	1						

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

CEREBROSPINAL MENINGITIS (EPIDEMIC).

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Alabama:				Illinois—Continued.			
Calhoun County.....			1	Sangamon County.....	1		
St. Clair County.....			1	Warren County.....	1		
Winston County.....			1	Winnebago County.....		1	
Total.....			3	Total.....	8	12	3
Arkansas:				Indiana:			
Carroll County.....		1		Dearborn County.....			2
Hot Spring County.....		1		Delaware County.....			1
Scott County.....		1		St. Joseph County.....			1
Union County.....	1			Total.....			4
Washington County.....	2			Iowa:			
Total.....	3	3		Fremont County.....			1
California:				Kansas:			
Alameda County.....		1	1	Ellsworth County.....		1	
Fresno County.....	1			Jewell County.....			1
Los Angeles County.....	6	1	2	Montgomery County.....		1	
Merced County.....		1		Morris County.....			1
Napa County.....		1		Neosho County.....			1
Orange County.....	1			Osage County.....		1	
Sacramento County.....	1			Russell County.....		1	
San Bernardino County.....	1			Total.....		4	3
San Diego County.....			2	Louisiana:			
San Francisco County.....				Lafayette Parish.....			2
Sonoma County.....	2	4		Orleans Parish.....	1		
Tulare County.....	1	2		St. Martin Parish.....	1		
Total.....	13	10	5	Total.....	2		2
Colorado:				Maryland:			
Chaffee County.....		1		Baltimore City.....		1	
Larimer County.....			1	Place not stated.....	2		1
Pueblo County.....	1	1		Total.....	2	1	1
San Juan County.....		1		Massachusetts:			
Total.....	1	3	1	Bristol County.....	2	2	1
Connecticut:				Essex County.....	3	1	
Fairfield County.....	1			Hampden County.....		2	4
Hartford County.....		3	1	Middlesex County.....		3	1
New Haven County.....	5		3	Plymouth County.....	1		
New London County.....	3			Suffolk County.....	5	1	3
Total.....	9	3	4	Worcester County.....		1	1
Delaware:				Total.....	11	10	10
New Castle County.....		1		Minnesota:			
District of Columbia.....	1	1		Aitkin County.....	1		
Florida:				St. Louis County.....	1		
Dade County.....		1	1	Total.....	2		
Hardee County.....		1		Montana:			
Hillsborough County.....		3	2	Cascade County.....		1	
Total.....		5	3	Missoula County.....		1	
Hawaii:				County not stated.....			2
Oahu.....		1		Total.....		2	2
Illinois:				New Jersey:			
Adams County.....		1		Bergen County.....		2	1
Alexander County.....		1		Essex County.....	3	5	1
Bureau County.....	1			Hudson County.....	2	1	2
Carroll County.....	1			Passaic County.....	1		
Cook County.....	3	7	1	Union County.....		2	2
Edwards County.....		1		Total.....	6	10	6
Iroquois County.....		1	1				
Lake County.....		1					
Richland County.....	1						
St. Clair County.....		1					

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

CEREBROSPINAL MENINGITIS (EPIDEMIC)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
New York:				Rhode Island:			
Albany County.....	1	1	1	Kent County.....			1
Broomes County.....		1	1	Providence County.....		1	
Chemung County.....			1	Total.....		1	1
Columbia County.....		1	1				
Eric County.....	2	1		South Carolina:			
Genesee County.....			1	Greenville County.....		1	
Herkimer County.....			1				
New York City.....	7	10	13	South Dakota:			
Niagara County.....	2		1	Brown County.....			1
Oneida County.....	1			Lake County.....			1
Oswego County.....			1	Spink County.....	1		
Seneca County.....			1	Total.....	1		2
Ulster County.....			1				
Westchester County..	1	2	3	Virginia:			
Total.....	14	16	25	Accomac County.....	1	1	
North Carolina:				Bedford County.....			2
Forsyth County.....	1		1	Bland County.....			1
Granville County.....		1		Buchanan County.....		1	1
Johnston County.....		1		Charlotte County.....		2	
New Hanover County.....		1		Culpeper County.....		2	
Pitt County.....			1	Cumberland County.....	2		1
Sampson County.....	1			Dickenson County.....		1	
Surry County.....	1			Halifax County.....		2	1
Vance County.....	1			Lec County.....		1	
Total.....	4	3	2	Madison County.....		1	
Ohio:				Nansemond County.....			1
Auglaize County.....			1	Pulaski County.....			1
Cuyahoga County.....	2	1	1	Rockingham County.....	1		
Franklin County.....	2			Smyth County.....	1		
Huron County.....	1			Southampton County.....	2		
Stark County.....	1			Tazewell County.....		1	2
Total.....	6	1	2	Total.....	7	12	10
Oklahoma:				Washington:			
Garvin County.....			1	Chelan County.....		1	1
Mayes County.....		1		King County.....			1
Total.....		1	1	Total.....		1	2
Pennsylvania:				West Virginia:			
Allegheny County.....	1	2		Boone County.....		1	
Blair County.....		1		McDowell County.....		1	
Butler County.....	1			County not stated.....	9		
Chester County.....	1	1		Total.....	9	2	
Dauphin County.....	1	1		Wisconsin:			
Delaware County.....			1	Columbia County.....		1	
Indiana County.....		1		Eau Claire County.....		1	
Lehigh County.....		1		Green County.....		1	
Luzerne County.....	3	4	1	Jackson County.....			1
Mercer County.....	1			Kenosha County.....			1
Montgomery County.....		1		Milwaukee County.....	3	1	1
Philadelphia County.....	3	1	3	Monroe County.....		1	
Potter County.....		1		Rock County.....	1		
Westmoreland County.....	1		1	Sheboygan County.....			1
Wyoming County.....			1	Waukesha County.....			2
Total.....	11	14	7	Total.....	4	5	6
				Wyoming:			
				Fremont County.....		1	

INFLUENZA.

Alabama:				Alabama—Continued.			
Autauga County.....			1	Chambers County.....	4		2
Baldwin County.....	2		1	Cherokee County.....	2		
Bullock County.....		2	2	Chilton County.....	5		

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Alabama—Continued.				California—Continued.			
Coffee County.....	2		1	San Bernardino County.....			1
Colbert County.....	14			San Diego County.....	1		1
Conecuh County.....			3	San Francisco County.....	10	1	1
Covington County.....		6		San Joaquin County.....	1		1
Dallas County.....			1	Santa Barbara County.....	2		
Elmore County.....	1		7	Santa Clara County.....			1
Escambia County.....	3			Santa Cruz County.....			1
Etowah County.....		3	1	Sonoma County.....	2		
Fayette County.....			2	Stanislaus County.....			1
Henry County.....			2	Tehama County.....			2
Houston County.....		1		Total.....	40	17	45
Jackson County.....			25	Colorado:			
Jefferson County.....	1	7	4	Boulder County.....			1
Lawrence County.....			1	Connecticut:			
Limestone County.....	1			Fairfield County.....		1	
Madison County.....	1		1	New Haven County.....	1		2
Marengo County.....		2	56	New London County.....		6	2
Marshall County.....		1	2	Total.....	1	7	4
Mobile County.....	3	2		Delaware:			
Monroe County.....		1		Sussex County.....		3	
Montgomery County.....	3	2	4	District of Columbia:		4	5
Morgan County.....		1		Florida:			
Perry County.....			1	Bay County.....		2	
Pike County.....	1			Brevard County.....		1	
Pickens County.....			16	Dade County.....		6	3
Russell County.....			1	Duval County.....		3	1
Shelby County.....	1		3	Escambia County.....		4	
Sumter County.....	1			Gadsden County.....		2	1
Talladega County.....	3		3	Hillsborough County.....	1		1
Tallahpoosa County.....	1			Jackson County.....		3	1
Tuscaloosa County.....	2			Marion County.....		2	
Wilcox County.....			4	Pasco County.....		1	
Winston County.....	1	5	5	Polk County.....		2	1
Total.....	52	34	198	Putnam County.....		1	
Arkansas:				St. Johns County.....		1	
Ashley County.....	1			Seminole County.....		1	
Baxter County.....			5	Wakulla County.....			1
Carroll County.....	1		1	Total.....	1	29	9
Chicot County.....			2	Hawaii:			
Craighead County.....	2			Hawaii.....	11	18	3
Drew County.....				Kauai.....	131	20	18
Greene County.....		3		Maini.....	3	165	45
Hempstead County.....	2	8	3	Molokai.....	3		1
Hot Spring County.....			6	Oahu.....	6	2	67
Lee County.....	1	1	4	Total.....	154	205	134
Logan County.....		6		Illinois:			
Monroe County.....	2		1	Alexander County.....			3
Montgomery County.....			2	Bureau County.....			1
Ouachita County.....	3	9	18	Champaign County.....			2
Randolph County.....	2	1	4	Clark County.....		1	1
St. Francis County.....		1		Clinton County.....			2
Scott County.....	1	2		Cook County.....	20	2	23
Sebastian County.....	1			Ford County.....	2		
Woodruff County.....	1			Kane County.....		2	
Total.....	17	31	52	Livingston County.....	1	1	
California:				Macon County.....			1
Alameda County.....	2	2	3	Peoria County.....		1	
Butte County.....		1		St. Clair County.....		1	
Los Angeles County.....				Sangamon County.....		3	2
Los Angeles.....	11	11	24	Stephenson County.....	1		
Scattering.....	6	1	7				
Mariposa County.....	1						
Mendocino County.....	3						
Merced County.....		1					
Mono County.....	1						
Napa County.....			1				
Riverside County.....			1				

1 Of these, 56 cases reported as "Devil's grip."

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Illinois—Continued.				Mississippi:			
Tazewell County.....			2	Alcorn County.....			8
Vermilion County.....			2	Bolivar County.....	4	8	8
Wabash County.....			1	Chickasaw County.....	13		3
Winnebago County.....	4		3	Clay County.....	4		5
Total.....	28	11	43	Copiah County.....	5	9	6
Indians:				Covington County.....		24	18
Hendricks County.....	4			De Soto County.....	1		13
Martin County.....	4	17	30	Franklin County.....			4
Monroe County.....		1		George County.....			2
Total.....	8	18	30	Holmes County.....	15	5	5
Iowa:				Jackson County.....			1
Boone County.....	1			Jasper County.....			10
Kansas:				Jefferson Davis County.....	15		
Greenwood County.....		1		Lafayette County.....		25	4
Neosho County.....			1	Lawrence County.....		20	20
Rawlins County.....	1	3		Lee County.....	7	18	
Russell County.....		5		Marion County.....	2		10
Smith County.....			1	Oktibbeha County.....	6		
Thomas County.....		1		Panola County.....		1	
Total.....	1	10	2	Pearl River County.....	7	13	19
Louisiana:				Pike County.....	4		6
Ayoelles Parish.....			1	Sharkey County.....			1
Caddo Parish.....			2	Sunflower County.....			3
Caldwell Parish.....			3	Tallahatchie County.....		12	
De Soto Parish.....			1	Tippah County.....			4
East Baton Rouge Parish.....			4	Tishomingo County.....		6	16
Orleans Parish.....	2	1	2	Union County.....		2	
St. Mary Parish.....			11	Walthall County.....		12	7
Tangipahoa Parish.....		2		Washington County.....	2	10	2
Terrebonne Parish.....		1		Wilkinson County.....	4		
Total.....	2	4	24	Yalobusha County.....		1	
Maryland:				Yazoo County.....		2	
Allegany County.....	1	1	1	Total.....	89	168	175
Baltimore City.....	2	3	5	Montana.....		4	4
Charles County.....			1	Nebraska.....	32	1	7
Dorchester County.....	2	6		New Jersey:			
Frederick County.....		1		Bergen County.....		1	1
Harford County.....	1			Essex County.....	6	11	18
Talbot County.....		6		Hudson County.....		1	1
Washington County.....		1	1	Middlesex County.....		2	
County not stated.....			1	Monmouth County.....			2
Total.....	6	18	9	Passaic County.....	1		6
Massachusetts:				Total.....	7	15	28
Essex County.....		1	1	New Mexico:			
Hampden County.....		1	1	Luna County.....		1	
Middlesex County.....		1	1	Santa Fe County.....			1
Norfolk County.....		1	2	Total.....		1	1
Suffolk County.....		7	9	New York:			
County not stated.....	3			Albany County.....		5	2
Total.....	3	11	14	Cattaraugus County.....			1
Minnesota:				Darke County.....	1	9	1
Clay County.....			1	Montgomery County.....			2
Freeborn County.....	1			Nassau County.....	1		
Goodhue County.....		2		New York City.....	17	22	49
Martin County.....			1	Oncida County.....			1
Pennington County.....		1		Orange County.....	1		
St. Louis County.....	1			Rockland County.....			7
Washington County.....	1			St. Lawrence County.....	1		
Total.....	3	3	2	Ulster County.....	6		
				Westchester County.....		1	
				Total.....	27	37	63
				Ohio:			
				Clinton County.....		1	
				Cuyahoga County.....	2	2	2
				Drake County.....			2
				Franklin County.....	1		

Reported as "Devil's grip."

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Ohio—Continued.				Virginia—Continued.			
Guernsey County.....			1	Nottoway County.....		9	
Lawrence County.....			1	Orange County.....			31
Stark County.....		2		Page County.....	6	1	19
Summit County.....	1		1	Pittsylvania County.....			5
Wayne County.....		1		Powhatan County.....		1	6
Total.....	4	6	7	Prince Edward County.....	6		12
Oklahoma:				Princess Anne County.....	3	8	2
Woods County.....		2		Pulaski County.....			5
County not stated.....	13			Roanoke County.....	2	2	4
Total.....	13	2		Rockbridge County..	3	19	24
Oregon:				Rockingham County..	7	25	26
Umatilla County.....	2			Scott County.....		4	
Rhode Island:				Shenandoah County.....		15	39
Providence County.....			1	Smyth County.....		10	
South Carolina:				Southampton County		18	5
York County.....			5	Tazewell County.....	3	2	
South Dakota:				Warren County.....			5
Minnehaha County.....		2		Washington County..	15	20	21
Virginia:				Westmoreland County.....		3	
Accomac County.....	18	39	20	Wythe County.....	5	10	10
Alleghany County.....	7	16	10	County not stated			
Amelia County.....		15	3	(reported as "Dab-		2,707	
Augusta County.....	15		13	ney's grip").....			
Bedford County.....	4	6		Total.....	140	3,033	431
Botetourt County.....		2	7	Washington.....			1
Brunswick County.....	2	2	4	West Virginia:			
Campbell County.....	2	4	2	Hampshire County.....		1	
Caroline County.....		10		Harrison County.....		2	13
Charlotte County.....			24	Kanawha County.....			2
Clarke County.....			8	Monroe County.....			3
Culpeper County.....		7	3	Upshur County.....		9	
Dickens County.....			2	Wyoming County.....		1	5
Dinwiddie County.....			2	Counties not stated..	18		
Fauquier County.....	5	8	9	Total.....	18	13	23
Franklin County.....			5	Wisconsin:			
Goochland County.....			6	Chippewa County.....	4	3	6
Greensville County.....	1	8		Door County.....			6
Halifax County.....		12	5	Grant County.....	2		
Hanover County.....	15		9	Green County.....		11	2
Henrico County.....	4	15	19	Jefferson County.....	2		
Henry County.....			7	Marquette County.....	2	1	
Isle of Wight County..	2			Monroe County.....	11		3
King and Queen County.....				Sauk County.....			1
Lee County.....		8	4	Sheboygan County.....	2		
Lunenburg County.....		5	11	Vernon County.....	3		2
Madison County.....	14	10	10	Walworth County.....		1	
Mathews County.....	1	3	5	Total.....	26	16	20
Montgomery County.....			15				
Nelson County.....			2				
Northampton County		3	12				

LEPROSY.

Arizona:				Hawaii:			
Mohave County—				Hawaii.....		2	1
Kingman.....	1			Kauai.....		1	2
California:				Mauai.....	1		1
Los Angeles.....	1	1		Oahu.....	3	2	1
District of Columbia.....	1			Total.....	4	5	5
Florida:				Louisiana:			
Bay County—				New Orleans.....		1	6
Panama City.....	1			Minnesota:			
				St. Louis County—			
				Midway township..		1	

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

LETHARGIC ENCEPHALITIS.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Alabama.....	1	1	.....	Minnesota.....	2	.....	2
California.....	12	14	5	Montana.....	.....	.....	3
Connecticut.....	7	5	3	Nebraska.....	1	.....	.....
District of Columbia.....	2	.....	1	New Mexico.....	1	.....	.....
Florida.....	.....	1	.....	New York.....	40	50	23
Idaho.....	.....	1	13	North Dakota.....	.....	1	.....
Illinois.....	4	7	5	Ohio.....	6	2	.....
Kansas.....	.....	5	2	Pennsylvania.....	16	1	5
Louisiana.....	1	.....	1	Washington.....	.....	2	.....
Maryland.....	1	1	2	Wisconsin.....	2	2	1
Massachusetts.....	8	12	8				

MALARIA.

Alabama.....				Alabama—Continued.			
Autauga County.....	4	17	34	Shelby County.....	7	23	21
Baldwin County.....	16	43	57	St. Clair County.....	7	7	8
Barbour County.....	27	16	4	Sumter County.....	15	86	114
Bibb County.....	4	16	15	Tallapoosa County.....	19	7	9
Blount County.....	.....	2	.....	Tallapoosa County.....	.....	1	4
Bullock County.....	4	31	41	Tuscaloosa County.....	13	21	14
Butler County.....	.....	2	2	Walker County.....	35	42	70
Calhoun County.....	6	17	26	Washington County.....	8	7	13
Chambers County.....	2	1	1	Wilcox County.....	6	15	26
Cherokee County.....	8	7	9	Winston County.....	10	24	5
Chilton County.....	.....	8	5	Total.....	634	1,644	1,444
Choctaw County.....	3	14	37	Arkansas:			
Clarke County.....	9	13	28	Arkansas County.....	1	.....	.....
Clay County.....	.....	2	1	Ashley County.....	12	7	13
Cleburne County.....	1	2	2	Baxter County.....	47	57	29
Coffee County.....	3	2	2	Benton County.....	7	1	2
Colbert County.....	12	22	19	Calhoun County.....	2	9	10
Coconah County.....	.....	3	.....	Carroll County.....	5	7	10
Cosa County.....	.....	1	1	Clark County.....	1	4	.....
Covington County.....	3	30	4	Clay County.....	.....	1	1
Crawshaw County.....	7	11	9	Cleveland County.....	21	21	10
Cullam County.....	5	5	12	Columbia County.....	3	.....	1
Dale County.....	2	9	4	Conway County.....	3	13	25
Dallas County.....	27	77	81	Craighead County.....	13	42	9
Dekalb County.....	.....	1	.....	Crawford County.....	.....	2	1
Escambia County.....	12	23	10	Cross County.....	5	30	2
Etowah County.....	15	49	40	Drew County.....	22	56	71
Fayette County.....	.....	17	25	Faulkner County.....	4	26	22
Franklin County.....	10	118	89	Franklin County.....	5	19	9
Geneva County.....	11	55	24	Grant County.....	.....	36	36
Greene County.....	.....	1	18	Greene County.....	10	12	9
Hale County.....	12	83	45	Hempstead County.....	11	32	17
Henry County.....	12	10	16	Hot Spring County.....	51	172	49
Houston County.....	15	70	30	Howard County.....	.....	7	.....
Jackson County.....	1	31	16	Independence County.....	65	66	28
Jefferson County.....	17	79	49	Izard County.....	7	5	6
Lamar County.....	11	30	21	Jackson County.....	204	.....	.....
Lauderdale County.....	21	22	17	Lafayette County.....	19	27	2
Lawrence County.....	19	51	35	Lawrence County.....	21	16	11
Lee County.....	.....	1	.....	Lee County.....	9	33	335
Limestone County.....	43	98	48	Logan County.....	9	11	.....
Lowndes County.....	7	10	13	Lonoke County.....	25	46	4
Macon County.....	3	4	6	Madison County.....	3	12	6
Madison County.....	36	62	38	Marion County.....	2	.....	.....
Marengo County.....	60	149	92	Miller County.....	.....	30	8
Marion County.....	.....	3	1	Mississippi County.....	.....	22	16
Marshall County.....	6	4	2	Monroe County.....	57	4	22
Mobile County.....	14	22	18	Montgomery County.....	18	86	52
Monroe County.....	3	5	7	Ouachita County.....	6	12	11
Montgomery County.....	22	15	17	Perry County.....	24	27	15
Morgan County.....	13	25	29	Pike County.....	23	35	13
Perry County.....	.....	14	19	Poinsett County.....	10	21	.....
Pickens County.....	2	17	28	Prairie County.....	16	20	23
Pike County.....	.....	2	9	Pulaski County.....	.....	.....	.....
Randolph County.....	1	4	2				
Russell County.....	4	2	.....			

1 Deaths.

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923 - Continued.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Arkansas—Continued.				Florida—Continued.			
Randolph County.....	6	6	.....	Glades County.....		1	.....
St. Francis County.....	41	89	33	Hardee County.....		17	11
Saline County.....	15	22	26	Highlands County.....			1
Scott County.....	11	13	.....	Hillsborough			
Sebastian County.....	22	22	31	County—			
Sharp County.....	22	12	28	Tampa.....	5	6	13
Union County.....	39	65	46	Scattering.....	4	11	9
Van Buren County.....	16	20	1	Holmes County.....			1
Washington County..	6	6	1	Jackson County.....		3	3
White County.....	3	3	4	Jefferson County.....		4	1
Woodruff County.....	47	39	24	Lake County.....		3	2
Yell County.....	6	.....	.....	Leon County.....		11	26
Total.....	1,653	1,324	1,080	Levy County.....		4	6
California:				Liberty County.....			1
Alameda County.....	1	.....	2	Madison County.....		1	2
Butte County.....	1	.....	.....	Manatee County.....			3
Calaveras County.....	1	.....	.....	Marion County.....	1	8	1
Columbia County.....	3	.....	.....	Nassau County.....		3	2
Fresno County.....		1	2	Okaloosa County.....			1
Glenn County.....		4	1	Orange County.....		1	2
Kern County.....		1	2	Osceola County.....	1	1	1
Los Angeles County..	2	5	.....	Palm Beach County..		1	.....
Merced County.....	1	1	.....	Pasco County.....	5	8	1
Orange County.....			1	Pinellas County.....	3	4	2
Sacramento County..		5	7	Polk County.....	1	12	14
San Francisco County	2	1	2	Putnam County.....	1	7	2
San Joaquin County..	2	.....	3	St. Johns County.....			1
Shasta County.....	3	3	8	St. Lucie County.....			1
Siskiyou County.....	1	.....	.....	Santa Rosa County..		1	.....
Solano County.....	2	.....	.....	Seminole County.....	2	1	.....
Stanislaus County.....		2	.....	Suwanee County.....			2
Sutter County.....		1	.....	Union County.....		2	.....
Tehama County.....		1	.....	Volusia County.....	1	2	3
Ventura County.....			1	Wakulla County.....			1
Yuba County.....	2	2	.....	Total.....	52	139	145
Total.....	21	26	29	Illinois:			
Connecticut:				Bureau County.....	1	.....	1
Fairfield County.....	3	3	.....	Coles County.....			1
Hartford County.....	7	5	7	Cook County.....	3	3	6
Litchfield County.....			1	Gallatin County.....		3	.....
Middlesex County.....	1	.....	.....	Hancock County.....		1	.....
New Haven County.....	1	1	.....	Iroquois County.....	1	.....	.....
Total.....	12	9	8	Johnson County.....			2
Delaware:				Morgan County.....		1	.....
Kent County.....	3	1	.....	Rock Island County..	3	.....	.....
Sussex County.....	1	6	4	St. Clair County.....	3	1	.....
Total.....	4	7	4	Vermilion County.....		2	.....
Florida:				Washington County..		3	.....
Alachua County.....			5	Total.....	11	14	10
Bay County.....		3	.....	Kansas:			
Brevard County.....	1	.....	6	Coffey County.....		1	.....
Broward County.....		2	.....	Greenwood County...		2	.....
Calhoun County.....		2	.....	Montgomery County..		6	.....
Citrus County.....		1	.....	Shawnee County.....		2	1
Clay County.....	1	.....	.....	Sumner County.....		1	2
Columbia County.....	2	2	6	Wyandotte County..		1	.....
Dade County.....	1	2	1	Total.....		13	3
De Soto County.....			1	Louisiana:			
Dixie County.....		1	.....	Acadia Parish.....		10	9
Duval County—				Allen Parish.....			1
Jacksonville.....	12	8	11	Assumption Parish..	6	11	3
Scattering.....	3	2	1	Avoyelles Parish.....		2	.....
Escambia County.....	3	3	.....	Caddo Parish.....	2	1	14
Flagler.....		1	.....	Catahoula Parish....		2	.....
Franklin County.....	1	.....	.....	De Soto Parish.....	13	5	8
Gadsden County.....	4	.....	1	East Baton Rouge			
				Parish.....	2	2	3
				East Feliciana Parish	3	.....	3
				Franklin Parish.....	1	.....	.....
				Grant Parish.....			2

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Louisiana—Continued.				Mississippi—Continued.			
Iberia Parish.....	1			Calhoun County.....	35	75	150
Iberville Parish.....	55		42	Carroll County.....	139	161	133
Jefferson Parish.....		1		Chickasaw County... ..	78	68	117
Jefferson Davis Par- ish.....		1		Choctaw County.....	42	61	45
Lincoln Parish.....			2	Claiborne County.....	74	74	96
Livingston Parish.....		1		Clarke County.....	96	92	110
Madison Parish.....	1			Clay County.....	88	148	217
Natchitoches Parish..		20	4	Coahoma County.....	683	905	720
Orleans Parish.....	9	4	12	Copiah County.....	96	214	243
Plaquemines Parish..			1	Covington County... ..	57	75	75
Rapides Parish.....	1	4		De Soto County.....	99	219	159
Red River Parish.....		1	1	Forrest County.....	40	71	66
St. James Parish.....			3	Franklin County.....	28	91	71
St. John Parish.....		1		George County.....	29	40	24
St. Landry Parish.....	1	3		Greene County.....	65	73	59
St. Martin Parish.....	1			Grenada County.....	249	210	201
St. Mary Parish.....			2	Hancock County.....	31	67	60
Tangipahoa Parish.....		1	2	Harrison County.....	4	19	2
Terrebonne Parish.....	1			Hinds County.....	225	330	337
Union Parish.....	7			Holmes County.....	447	438	476
Vermillion Parish.....			1	Humphreys County.....	371	370	466
Vernon Parish.....	1	1		Issaquena County.....	69	85	61
Washington Parish.....	11	7	6	Itawamba County.....	58	128	
West Feliciana Parish	2			Jackson County.....	28	25	23
Total.....	118	78	119	Jasper County.....	64	101	89
				Jefferson County.....	90	120	80
Maryland:				Jefferson Davis County.....	51	67	60
Allegany County.....	1			Jones County.....	83	78	72
Anne Arundel County..	4	1	2	Kemper County.....	55	43	75
Baltimore City.....	1	6	7	Lafayette County.....	181	310	266
Baltimore County.....	1	1	4	Lamar County.....	26	51	30
Caroline County.....			1	Lauderdale County... ..	78	78	97
Charles County.....		1		Lawrence County.....	86	60	80
Dorchester County... ..	3	4	1	Leake County.....	44	116	112
Harford County.....			1	Lee County.....	260	305	465
Somerset County.....	2	1	1	Leflore County.....	1,145	1,565	1,350
Talbot County.....	1	4		Lincoln County.....	84	92	76
Wicomico County.....				Lowndes County.....	154	238	175
Salisbury.....	28	12	10	Madison County.....	96	323	117
Scattering.....	2	1	2	Marion County.....	96	126	124
Worcester County.....	1	2		Marshall County.....	45	70	20
Total.....	44	33	29	Monroe County.....	265	446	439
				Montgomery County..	161	154	110
Massachusetts:				Neshoba County.....	64	107	56
Barnstable County.....			1	Newton County.....	47	64	54
Berkshire County.....		1		Noxubee County.....	137	82	170
Essex County.....	1			Oktibbeha County.....	137	175	170
Middlesex County.....			1	Panola County.....	159		197
Suffolk County.....	2	2		Pearl River County... ..	55	55	65
Total.....	3	3	2	Perry County.....	29	40	33
				Pike County.....	170	184	204
Michigan:				Pontotoc County.....	107	116	60
Berrien County.....			1	Prentiss County.....	31	60	65
Genesee County.....		1		Quitman County.....	138	294	303
Muskegon County.....			2	Rankin County.....	56	66	87
Saginaw County.....			1	Scott County.....	132	147	215
Wayne County.....		1		Sharkey County.....	103	183	181
Total.....		3	4	Simpson County.....	62	138	157
				Smith County.....	28	87	68
Minnesota:				Stone County.....	15	7	3
Clay County.....		1		Sunflower County.....	747	1,088	1,244
Mississippi:				Tallahatchie County..	457	650	676
Adams County.....	49	63	63	Tate County.....	167	150	215
Alcorn County.....	42	74	78	Tippah County.....	50	111	79
Amite County.....	45	96	49	Tishomingo County... ..	121	137	114
Attala County.....	141	224	190	Tunica County.....	586	558	578
Benton County.....	19	50	39	Union County.....	72	89	123
Bolivar County.....	1,402	1,844	1,411	Walthall County.....	15	8	16
				Warren County.....	161	215	139
				Washington County... ..	364	414	375
				Wayne County.....	50	50	68
				Webster County.....	46	93	110
				Wilkinson County.....	67	48	141

STATE REPORTS FOR JULY, AUGUST AND SEPTEMBER, 1923 - Continued.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Mississippi—Continued.				Virginia:			
Winston County.....	120	131	160	Accomac County.....	32	50	40
Yalobusha County.....	99	217	168	Alleghany County.....		1	
Yazoo County.....	519	596	487	Amelia County.....	2	7	8
Total.....	13,287	17,141	16,236	Amherst County.....		1	2
Nebraska.....		1		Bedford County.....		2	
New Jersey:				Brunswick County.....	16	11	7
Bergen County.....	1	2		Buchanan County.....			1
Essex County.....	6	3	2	Campbell County.....	2	2	
Hudson County.....	2			Caroline County.....	20	28	6
Mercer County.....		1		Carroll County.....		1	
Middlesex County.....	1			Charles City County.....	5	1	2
Morris County.....		2		Charlotte County.....			6
Passaic County.....	7		1	Chesterfield County.....	3	4	11
Sussex County.....	1			Cumberland County.....	3	17	11
Total.....	18	8	3	Dinwiddie County.....	2	4	3
New Mexico:				Elizabeth City County.....		2	4
Eddy County.....	1	1		Essex County.....			2
Rio Arriba County.....		4		Fauquier County.....		1	1
Santa Fe County.....		2		Franklin County.....		1	2
Total.....	1	7		Gloucester County.....	1	5	3
New York:				Goochland County.....	3	2	
Dutchess County—				Grayson County.....	6		
State Institution.....	13	14	12	Greensville County.....	29	40	27
Scattering.....	1	5	4	Halifax County.....	22	20	20
New York City.....	9	12	2	Hanover County.....	8	14	6
Orange County.....		2		Henrico County.....	7	22	6
Putnam County.....		1		Isle of Wight County.....	7	23	30
Rockland County—				James City County.....	5	6	4
Haverstraw vil- lage.....	6	11	7	King and Queen County.....	6	13	
Ulster County.....			1	King George County.....		10	
Westchester County.....			1	King William County.....		2	2
Total.....	29	45	27	Lancaster County.....			1
Ohio:				Louisa County.....		3	
Cuyahoga County.....	2	3		Lunenburg County.....	9	15	16
Hamilton County.....		2		Mathews County.....	4	3	2
Lorain County.....	2			Mecklenburg County.....	1	19	4
Total.....	4	5		Middlesex County.....	12		10
Oklahoma:				Nansemond County.....	2	13	2
Creek County.....	3			Nelson County.....			1
McIntosh County.....		3		New Kent County.....	3	7	6
Mayer County.....	7	13	8	Northampton County.....	41	24	39
Total.....	10	16	8	Northernland County.....	4	15	8
Oregon:				Nottoway County.....	4	1	2
Clackamas County.....			1	Orange County.....	1		
Pennsylvania:				Pittsylvania County.....	9	12	20
Beaver County.....	1			Powhatan County.....	5	8	10
Erie County.....		1		Prince Edward County.....	6	9	8
Mifflin County.....			1	Prince George County.....	1	1	2
Montour County.....	1			Princess Anne County.....	13	10	5
Philadelphia County.....	1	2		Prince William County.....	3	5	4
Total.....	3	3	1	Richmond County.....	1	8	6
Rhode Island:				Rockbridge County.....		1	3
Providence County.....	1			Scott County.....			3
South Carolina:				Shenandoah County.....	1		
Chester County.....		1		Southampton County.....	31	28	15
Darlington County.....	10	9	8	Spotsylvania County.....	16	7	2
Greenwood County.....	22			Surry County.....	6	8	30
Laurens County.....			1	Sussex County.....	3	9	6
Lexington County.....		34		Warwick County.....	4	9	7
Total.....	32	44	9	Washington County.....		1	1
				Westmoreland County.....	5	9	2
				York County.....	12	31	11
				Total.....	376	546	430
				Washington:			
				County not stated.....			1

STATE REPORTS FOR JULY, AUGUST AND SEPTEMBER, 1923—Continued.
OCCUPATIONAL DISEASES AND DISABILITIES.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Connecticut:				New Jersey:			
Dermatitis venenata.....		1		Lead poisoning.....	1		3
Eczema.....			1	Ohio:			
Occupational der- matifis (cya ide).....		2		Dermatitis.....	45	35	33
Total		3	1	Poisoning—			
Illinois:				Arsenic.....	2		
Lead poisoning.....	12	31	14	Carbon monoxide		2	
Massachusetts:				Lead.....	1	1	2
Aniline poisoning.....	1			Metal (chronic).....		1	
Dermatitis.....	2			Total	48	39	35
Lead poisoning.....	11	4	2				
Total	14	4	2				

PELLAGRA.

Alabama:				Arkansas—Continued.			
Baldwin County.....		2		Drew County.....		8	30
Barbour County.....			1	Faulkner County.....	5	1	
Bullock County.....	1			Franklin County.....			1
Calhoun County.....	1		1	Garland County.....	1		
Chambers County.....	2			Grant County.....	1	1	
Cherokee County.....		2	1	Greene County.....	1		
Choctaw County.....	2			Hempstead County.....	6		1
Conecuh County.....			1	Howard County.....	2	1	
Crenshaw County.....		1	1	Independence County.....	2	2	1
Cullman County.....		1		Izard County.....		1	
Dallas County.....	1	2	1	Jackson County.....	47		
Escambia County.....	3			Lawrence County.....	1		
Etowah County.....	3	3	3	Lee County.....	5		12
Franklin County.....			2	Little River County.....	4	1	
Jackson County.....	1	3	13	Logan County.....	1		
Jefferson County.....	7	4	1	Lonoke County.....	1	4	
Lamar County.....	1			Monroe County.....	1		
Lauderdale County.....	12			Ouachita County.....	14	12	15
Lawrence County.....	1			Prairie County.....	1	2	
Lee County.....	2	1		Pulaski County.....	2	1	2
Limestone County.....	2	2		St. Francis County.....	20	3	
Lowndes County.....	3			Saline County.....			1
Macon County.....	2			Sebastian County.....	3	1	6
Madison County.....		6		Union County.....	3	3	1
Marengo County.....	1	2	2	White County.....		5	
Marion County.....			1	Woodruff County.....	2	1	3
Marshall County.....		2		Total	152	54	76
Mobile County.....			1	California:			
Monroe County.....	1	2	1	Los Angeles County.....	3	3	1
Montgomery County.....		4	1	San Diego County.....			1
Morgan County.....		1		Santa Clara County.....	1		
Perry County.....			3	Total	4	3	2
Randolph County.....			1	Florida:			
Shelby County.....	3		1	Alachua County.....		1	
Sumter County.....	1	5	1	Bradford County.....		1	
Tallahadea County.....	7		1	Duval County.....	2		
Tallapoosa County.....		4		Franklin County.....		2	
Tuscaloosa County.....	7	2	7	Gadsden County.....		2	1
Walker County.....	3	1		Hillsborough County.....	2		2
Winston County.....		1	2	Lake County.....		1	
Total	65	51	47	Madison County.....		1	1
Arkansas:				Marion County.....		2	1
Ashley County.....	12	1	1	Palm Beach County.....		1	
Calhoun County.....	1	1		Pasco County.....			1
Carroll County.....			1	Pinellas County.....		1	
Clark County.....	1			Putnam County.....		1	
Cleveland County.....	2			St. Johns County.....	2		1
Columbia County.....			1	Seminole County.....		1	
Craighead County.....	9	5		Total	4	16	7
Crawford County.....	2						
Cross County.....	2						

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

PELLAGRA—Continued.

Place.	New cases reported.		
	July.	August.	Sep-tember.
Illinois:			
Cook County.....	1		
Kansas:			
Sedgwick County.....	1		
Louisiana:			
Caddo Parish.....	6	1	1
Caldwell Parish.....	1		
Concordia Parish.....	1		1
De Soto Parish.....	2		
East Baton Rouge Parish.....	1		
East Feliciana Parish.....	1		
Franklin Parish.....	1		
Iberville Parish.....		1	
Jackson Parish.....	2		
Lincoln Parish.....			1
Livingston Parish.....		1	
Madison Parish.....	8		
Natchitoches Parish.....		1	
Orleans Parish.....	3	3	
Rapides Parish.....	2		1
Red River Parish.....	2	1	
Richland Parish.....	2		
Winn Parish.....		1	
Total.....	32	10	4
Maryland:			
Baltimore city.....			1
Massachusetts:			
Essex County.....	2		
Hampshire County.....	1		
Middlesex County.....	1	1	
Suffolk County.....	1	1	1
Total.....	5	2	1
Michigan.....	2		
Mississippi:			
Adams County.....	3	2	5
Alcorn County.....	4	5	1
Amite County.....	2		
Attala County.....	1		
Benton County.....	1	2	1
Bolivar County.....	170	117	54
Carroll County.....	9	3	
Chickasaw County.....	4	2	5
Clarke County.....	4	3	4
Clay County.....	8	2	
Coahoma County.....	68	43	23
Copiah County.....	18	11	7
Covington County.....			1
De Soto County.....	15	14	9
Forrest County.....		9	10
Franklin County.....		1	
George County.....	5	6	3
Greene County.....	4	3	3
Grenada County.....			3
Harrison County.....		1	
Hinds County.....	14	8	14
Holmes County.....	24	24	4
Humphreys County.....	35	13	7
Issaquena County.....		2	
Jackson County.....			2
Jasper County.....	5	2	4
Jefferson County.....	6		3
Jefferson Davis County.....	4	2	1
Jones County.....	8	5	4
Kemper County.....	6		1
Lafayette County.....	8	5	1
Lauderdale County.....	3	2	7
Lawrence County.....	4	4	1

Place.	New cases reported.		
	July.	August.	Sep-tember.
Mississippi—Continued.			
Leake County.....	1	5	1
Lee County.....	4	3	4
Leflore County.....	53	27	40
Lincoln County.....	13	12	7
Lowndes County.....	4	3	2
Madison County.....	28	4	3
Marion County.....	8	5	3
Marshall County.....	2		
Monroe County.....	1	6	10
Montgomery County.....		3	3
Neshoba County.....			4
Newton County.....	3		2
Noxubee County.....	1	2	4
Oktibbeha County.....	4	1	1
Panola County.....	8	5	3
Pearl River County.....	2	5	4
Perry County.....	1	2	
Pike County.....	3	3	2
Pontotoc County.....		1	
Quitman County.....	26	56	10
Rankin County.....	3	1	3
Scott County.....	9	4	1
Sharkey County.....	6	7	13
Simpson County.....		2	1
Stone County.....	1		
Sunflower County.....	75	34	25
Tallahatchie County.....	51	41	35
Tate County.....	19	9	6
Tippah County.....	6	4	1
Tishomingo County.....	2	2	1
Tunica County.....	23	22	2
Union County.....	2	2	4
Walthall County.....	1		
Warren County.....	9	4	4
Washington County.....	52	31	30
Wayne County.....		1	
Webster County.....	1		
Wilkinson County.....	4	3	3
Yalobusha County.....	1	1	4
Yazoo County.....	20	6	2
Total.....	880	608	416
New Mexico:			
Bernalillo County.....			1
Oklahoma:			
Love County.....		1	
Mayes County.....		2	1
Total.....		3	1
Pennsylvania:			
Philadelphia County.....	1	1	
South Carolina:			
Cherokee County.....		1	
Chester County.....		2	
Greenville County.....		1	
York County.....			1
County not stated.....	1		
Total.....	1	4	1
Virginia:			
Accomac County.....			15
Appomattox County.....		1	
Bedford County.....		1	
Brunswick County.....	3		1
Campbell County.....	1		
Carroll County.....	1		
Craig County.....		1	
Dickenson County.....	1		
Dinwiddie County.....	1		

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

PELLAGRA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Virginia—Continued.				Virginia—Continued.			
Floyd County.....			1	Patrick County.....	2		
Greensville County.....	2			Scott County.....	4	1	4
Giles County.....			1	Smyth County.....		1	
Henry County.....	2			Southampton County.....		1	2
Isle of Wight County.....	1			Spotsylvania County.....	1	1	
Lee County.....	1	1	1	Sussex County.....	1		
Louisa County.....			1	Washington County.....	5	2	2
Lunenburg County.....	1			Total.....	29	13	33
Mecklenburg County.....	1	1	5				
Montgomery County.....	1	2					

PLAGUE, HUMAN.

California:				Hawaii:			
San Francisco.....		1		Hawaii—Hamakua.....			1

POLIOMYELITIS (infantile paralysis).

Alabama:				Connecticut:			
Calhoun County.....		1		Fairfield County.....	1	4	4
Chilton County.....		1		Hartford County.....	4		3
Etowah County.....	1			Litchfield County.....			3
Jefferson County.....	1	3		Middlesex County.....		1	
Marshall County.....	1			New Haven County.....	2	10	12
Mobile County.....		1		New London County.....	2	2	1
Randolph County.....		1	2	Windham County.....			1
Walker County.....		2		Total.....	9	17	24
Washington County.....		1		District of Columbia.....			3
Total.....	3	10	2	Florida:			
Arizona:				Duval County.....		2	
Maricopa County.....	1			Hillsborough County.....			1
Arkansas:				Polk County.....			1
Benton County.....		2	3	Total.....		2	2
Crawford County.....		1		Illinois:			
Franklin County.....	1			Adams County.....			3
Lonoce County.....		1		Champaign County.....			1
Washington County.....			1	Clark County.....		1	
White County.....	1			Cook County.....	4	23	28
Total.....	2	4	4	Crawford County.....		1	
California:				Du Page County.....			1
Alameda County.....		1		Effingham County.....			1
Kern County.....		1		Payette County.....		1	2
Kings County.....		2	1	Ford County.....		1	
Los Angeles County.....				Hancock County.....			1
Los Angeles.....	2	6	11	Hardin County.....		2	1
Scattering.....	2	6	17	Jackson County.....	1		1
Mendocino County.....		1		Kane County.....			3
Napa County.....		1		Kankakee County.....		1	1
Riverside County.....	1		2	Lake County.....		1	1
San Bernardino County.....	2	3	7	Livingston County.....		1	
Sacramento County.....		1		McHenry County.....			1
San Diego County.....	1		1	McLean County.....	1		1
San Francisco County.....		1		Macon County.....			1
San Joaquin County.....			1	Madison County.....			1
Total.....	8	23	40	Marion County.....			1
Colorado:				Marshall County.....	1		
Boulder County.....			1	Mason County.....		2	
Cheyenne County.....		1		Morgan County.....			1
Denver County.....			4	Piatt County.....		1	
Total.....		1	5	Randolph County.....		1	
				St. Clair County.....			1
				Sangamon County.....	2		
				Stephenson County.....		1	1
				Tazewell County.....			1
				Vermilion County.....			2

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Illinois—Continued.				Louisiana:			
Washington County..	1			Avoyelles Parish.....			1
Whiteside County....	1			Bossier Parish.....		1	
Total.....	11	37	54	Caddo Parish.....	1		
Indiana:				De Soto Parish.....	1		
Clay County.....			1	Orleans Parish.....	1	1	2
Lake County.....			1	Total.....	3	2	3
Marion County.....	1	1	1	Maine:			
Tippecanoe County.....			1	Cumberland County.....		1	1
White County.....			1	Washington County.....			1
Total.....	1	1	5	York County.....		1	
Iowa:				Total.....		2	2
Adams County.....			2	Maryland:			
Boone County.....			1	Allegany County.....		1	
Cass County.....		1		Baltimore County.....	1		1
Cerro Gordo County.....		1		Garrett County.....		1	
Floyd County.....		1		Total.....	1	2	1
Harrison County.....		3	1	Massachusetts:			
Jasper County.....		1		Barnstable County.....		1	
Johnson County.....		1	1	Berkshire County.....		1	1
Kossuth County.....		1	1	Bristol County.....	1	2	1
Marshall County.....		3	3	Essex County.....		3	2
Mills County.....		2		Franklin County.....		2	
Mitchell County.....		1	1	Hampden County.....	1	1	4
Monona County.....		1	1	Hampshire County.....		2	2
Montgomery County.....		1		Middlesex County.....	2	4	11
Polk County.....		4		Norfolk County.....		2	2
Pottawattamie County.....		6	9	Suffolk County.....	1	2	9
Scott County.....		2	2	Worcester County.....	3	8	6
Total.....		22	24	Total.....	8	26	38
Kansas:				Michigan:			
Atchison County.....			1	Allegan County.....	1	1	
Brown County.....		1	2	Eaton County.....			1
Butler County.....	1	1		Genesee County.....			1
Cherokee County.....	1			Ingham County.....			1
Cloud County.....			1	Lapeer County.....			1
Cowley County.....			1	Mecosta County.....		1	
Decatur County.....			1	Muskegon County.....			1
Dickinson County.....		6	1	Oakland County.....	1	2	
Douglas County.....	1	2		Washtenaw County.....		1	
Geary County.....		1		Wayne County.....	1	2	2
Greenwood County.....		3	1	Total.....	3	7	7
Harvey County.....		1	2	Minnesota:			
Jefferson County.....	1	2	2	Bigstone County.....		1	
Jewell County.....		1	1	Blue Earth County.....			1
Johnson County.....		1		Chippewa County.....		1	
Labette County.....		1		Cottonwood County.....		1	
Lyon County.....	1			Hennepin County.....		1	3
Marion County.....		2		Itasca County.....		2	
Montgomery County.....		1	1	Mahnomen County.....	1	1	
Norton County.....			1	Marshall County.....	1	1	
Osage County.....		1	2	Meeker County.....		1	
Phillips County.....		1	1	Morrison County.....			1
Pottawatomie County.....		3		Mower County.....			1
Republic County.....			1	Murray County.....			1
Riley County.....			1	Nicollet County.....			1
Saline County.....	1	1		Ramsey County.....		1	
Sedgewick County.....	1			Redwood County.....			2
Shawnee County—				Roseau County.....		1	2
Topeka.....		28	6	St. Louis County.....	2	1	3
Dover.....		2		Sherburne County.....		2	
Topeka R. F. D.....		9		Todd County.....		1	
Smith County.....			1	Watsonwan County.....	1		
Sumner County.....		1		Winona County.....			1
Wabaunsee County.....		1	2	Wright County.....			1
Washington County.....	1			Total.....	4	15	17
Wyandotte County.....			1				
Total.....	8	70	29				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Mississippi:				New York—Continued.			
George County.....	1			Washington County.....			3
Harrison County.....	1			Wayne County.....			3
Holmes County.....	1			Westchester County..	1	8	12
Jasper County.....			2	Total.....	127	231	196
Marion County.....	1			North Carolina:			
Warren County.....		1	1	Caswell County.....	1		
Total.....	4	1	3	Davidson County.....	1		
Montana:				Durbin County.....		1	
Cascade County.....		1	2	Guilford County.....		1	
Lincoln County.....			2	Johnston County.....			1
Missoula County.....		2		Orange County.....			1
Teton County.....			1	Total.....	2	2	2
Total.....		3	5	North Dakota:			
Nebraska.....	3	39	32	McHenry County.....			1
New Jersey:				McKenzie County.....		1	
Atlantic County.....		2		Pierce County.....			1
Bergen County.....		9	6	Ramsey County.....			1
Burlington County.....		4	2	Ward County.....		1	
Camden County.....		1		Williams County.....		3	
Essex County.....	1	10	12	Total.....		5	3
Hudson County.....	3	10	9	Ohio:			
Hunterdon County.....			1	Ashtabula County.....			1
Mercer County.....		1		Auglaize County.....	3		
Middlesex County.....	3		1	Butler County.....			1
Monmouth County.....	1	1	3	Cuyahoga County.....	2	2	4
Morris County.....	1	1	1	Crawford County.....			1
Passaic County.....		3	1	Darke County.....		1	
Somerset County.....	1		1	Franklin County.....	1	2	2
Union County.....	3	1	2	Jefferson County.....	1		
Total.....	13	43	39	Lorain County.....			1
New Mexico:				Madison County.....		2	
Bernalillo County.....			1	Mercer County.....		1	
New York:				Montgomery County.....		1	
Albany County.....	1	6	3	Paulding County.....		1	
Broome County.....			2	Portage County.....			3
Chautauqua County.....		3		Richland County.....			1
Chenango County.....			4	Summit County.....			2
Columbia County.....			1	Trumbull County.....	2		1
Delaware County.....			1	Wood County.....			1
Dutchess County.....	2	1	4	Total.....	9	10	18
Erie County.....		4	6	Oklahoma:			
Greene County.....		1		Blaine County.....		1	
Herkimer County.....	1			Coal County.....		1	
Jefferson County.....		1	1	Garvin County.....			1
Lewis County.....		2		Total.....		2	1
Madison County.....			1	Oregon:			
Monroe County.....			2	Baker County.....			1
Nassau County.....	4		1	Pennsylvania:			
New York City.....	109	164	120	Allegheny County....	1	3	2
Niagara County.....		2	1	Blair County.....		1	
Oneida County.....				Bucks County.....			1
Onondaga County.....		5	4	Butler County.....		1	2
Ontario County.....		2		Cambria County.....		1	
Orange County.....	5	15	3	Chester County.....			1
Otsego County.....		3	3	Columbia County.....			7
Rensselaer County.....		1	1	Crawford County.....			1
Rockland County.....		1	4	Delaware County.....		1	
St. Lawrence County.....		1		Erie County.....	1		1
Schenectady County.....			1	Lackawanna County.....		1	
Schuyler County.....			1	Lehigh County.....		3	
Steuben County.....			1	Luzerne County.....	3	8	16
Suffolk County.....	4	3	2	McKean County.....			1
Sullivan County.....		2	2				
Tioga County.....		1					
Ulster County.....		4					

STATE REPORTS FOR JULY, AUGUST AND SEPTEMBER, 1923—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Pennsylvania—Contd.				Virginia—Continued.			
Montour County.....			1	Lee County.....		3	
Northampton County.....			1	Montgomery County.....	1		
Perry County.....		2		Nelson County.....			1
Philadelphia County.....		1	6	Northampton County.....	1		
Potter County.....			1	Pittsylvania County.....	1		
Susquehanna County.....			1	Powhatan County.....	1		
Tioga County.....			3	Prince George County.....	1		
Wyoming County.....			4	Prince William County.....	2		
York County.....		1		Pulaski County.....		1	1
Total.....	5	23	49	Shenandoah County.....		3	
Rhode Island:				Spotsylvania County.....	13		
Providence County.....	2	2		Stafford County.....	19	4	1
South Carolina:				Sussex County.....			1
Lee County.....		1		Washington County.....			3
South Dakota:				Wise County.....	1		
Bon Homme County.....		1	1	Wythe County.....	1		
Corson County.....	3			Total.....	57	20	10
Day County.....			1	Washington:			
Dewey County.....			1	King County.....	1	4	3
Lake County.....	1		1	Pierce County.....			2
Lawrence County.....		1		Spokane County.....		1	
Miner County.....	1		1	Whatcom County.....		1	
Walworth County.....		1	1	Whitman County.....		1	
Total.....	5	3	6	Total.....	1	7	5
Vermont:				West Virginia:			
Bennington County.....		1	4	Boone County.....		5	
Chittenden County.....	1	4	2	Cabell County.....		5	
Franklin County.....		2		Fayette County.....			1
Grand Isle County.....		1	1	Monongalia County.....			1
Rutland County.....		2	1	Counties not stated.....	7		
Washington County.....			1	Total.....	7	10	2
Windham County.....			2	Wisconsin:			
Windsor County.....		1		Dodge County.....		2	1
Total.....	1	9	11	Fond du Lac County.....	1		
Virginia:				Jackson County.....			1
Amherst County.....	1			Jefferson County.....			1
Arlington County.....	1	1		Kenosha County.....	1		
Bland County.....			1	Manitowoc County.....			1
Buchanan County.....		3		Milwaukee County.....	2	7	3
Caroline County.....	8	4		Trempealeau County.....			1
Dickenson County.....			1	Total.....	4	9	8
Fluvanna County.....	2			Wyoming:			
Greensville County.....			1	Sheridan County.....	1		
Halifax County.....		1		Weston County.....		1	
Har over County.....				Total.....	1	1	
King George County.....	3			ROCKY MOUNTAIN SPOTTED OR TICK FEVER.			
King William County.....	1			California:			

California:				Oregon:			
Los Angeles County..	1			Harney County.....	5		
Montana:				Wyoming:			
Garfield County.....	1			Big Horn County.....	1	1	
Lewis and Clark County.....	1			Hot Springs County.....	1		
Missoula County.....	1	1		Sheridan County.....			
Ravalli County.....		1	1	Total.....	2	1	
Rosebud County.....	1			ROCKY MOUNTAIN SPOTTED OR TICK FEVER.			
Total.....	4	2	1	California:			

STATE REPORTS FOR JULY, AUGUST AND SEPTEMBER, 1923—Continued.

SMALLPOX.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Alabama:				Florida—Continued.			
Butler County.....	2			Hillsborough County.....	1		
Cherokee County.....			1	Leon County.....	1		
Chilton County.....		1		Total.....	7	1	
Choctaw County.....			1				
Jefferson County.....		1		Idaho:			
Lamar County.....		1	2	Adams County.....			5
Mobile County.....		4	1	Bannock County.....	1		
St. Clair County.....		1		Benewah County.....	2	1	
Talladega County.....	1			Idaho County.....		1	3
Total.....	3	8	5	Kootenai County.....		6	1
				Total.....	3	8	9
Arizona:							
Yavapai County.....	3			Illinois:			
				Carroll County.....			1
Arkansas:				Cook County.....	18	2	2
Ashley County.....	1			De Witt County.....			1
Benton County.....	6	1		Fayette County.....		1	
Clay County.....	2			Franklin County.....		1	
Columbia County.....	2	3	6	Grundy County.....		3	
Cross County.....	9			Jo Davies County.....	1		
Hempstead County.....			1	Kane County.....	7		
Lafayette County.....		1		Lake County.....	1		
Lawrence County.....	1			La Salle County.....			1
Mississippi County.....	2			Macon County.....	3	11	4
Ouachita County.....	1		1	Madison County.....		1	
Pike County.....	2		8	Montgomery County.....	1		
Union County.....	2			Rock Island County.....	2	4	
Woodruff County.....	5			St. Clair County.....	2		
Total.....	31	5	17	Sangamon County.....		1	
				Vermilion County.....	1		
California:				Whiteside County.....	2		
Alameda County.....	4		3	Will County.....	1		
Eldorado County.....		1		Total.....	39	24	9
Inyo County.....	1						
Kern County.....			1	Indiana:			
Lake County.....		4		Adams County.....	1	1	
Los Angeles County—				Allen County.....	1	1	
Los Angeles.....	36	40	9	Blackford County.....		1	1
Pomona.....	10	14		Cass County.....			1
Scattering.....	33	36	19	Clinton County.....			1
Monterey County.....		2		Dekalb County.....	3		3
Orange County.....	2	1	1	Delaware County.....	24	9	16
Placer County.....	1			Fayette County.....		2	6
San Bernardino				Grant County.....	8	2	
County—				Hendricks County.....	1		
Chino.....	13	11	1	Howard County.....	2		1
Scattering.....	18			Huntington County.....	2	1	1
San Diego County.....		3	1	Jay County.....		7	
San Francisco County.....	1	1		Kosciusko County.....	1		
San Joaquin County.....	5	1		Lake County.....	18	10	7
Santa Barbara County.....	1			Laporte County.....	4	3	6
Santa Clara County.....	4			Lawrence County.....			2
Stanislaus County.....	3	2		Madison County.....	1		
Tulare County.....	1	2		Marion County.....	11		1
Ventura County.....	2	1	3	Miami County.....	2		1
Total.....	135	119	38	Monroe County.....	2		
				Porter County.....		2	
Colorado:				Randolph County.....	2		
Boulder County.....	1			Rush County.....			1
Rio Grande County.....	1			St. Joseph County.....	11		
Total.....	2			Steuben County.....			3
				Tipton County.....	1		
Connecticut:				Union County.....		1	
New Haven County.....		11	2	Vigo County.....			8
				Wabash County.....	1	1	
District of Columbia.....	1	2	19	Wells County.....	1	1	
				Total.....	97	42	59
Florida:							
Dade County.....	4						
Duval.....	1	1					

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Iowa:				Michigan—Continued.			
Appanoose County.....	1			Huron County.....	6		1
Black Hawk County.....	1			Ingham County.....	1	2	4
Clinton County.....			3	Ionia County.....		1	2
Jasper County.....			1	Isabella County.....		1	4
Linn County.....	2		1	Jackson County.....	7	8	2
Plymouth County.....	1	1		Kent County.....		9	7
Polk County.....	6	2		Lenawee County.....	1		
Scott County.....	11	10	8	Mackinac County.....	3		
Union County.....		1		Marquette County.....			1
Total.....	22	14	13	Mecosta County.....	1		
Kansas:				Menominee County.....	2		
Anderson County.....	1			Oakland.....		2	3
Butler County.....	1		7	Ottawa County.....	2	2	12
Chase County.....		1		Saginaw County.....	1		6
Cherokee County.....	1			Sanilac County.....		1	1
Coffey County.....	3			Shiawasee County.....	41	5	8
Crawford County.....	1			Van Buren County.....	1		
Douglas County.....			1	Wayne County.....	44	16	17
Finney County.....	1			Total.....	118	51	78
Harvey County.....	1	1	5	Minnesota:			
Lyon County.....	2			Beltrami County.....	1		
Meade County.....			13	Bigstone County.....		1	
Miami County.....	1			Carlton County.....	2	2	
Montgomery County.....	1	5		Chippewa County.....	1		
Reno County.....	1		1	Chisago County.....			1
Sedgewick County.....	1			Clearwater County.....	1	1	
Trego County.....	1			Crow Wing County.....			1
Wichita County.....		1		Dakota County.....	5		
Woodson County.....		1		Douglas County.....	1		
Wyandotte County.....	1			Fillmore County.....	1		
Total.....	17	9	27	Freeborn County.....			2
Louisiana:				Grant County.....			1
Caddo Parish.....	7	3	1	Hennepin County.....	8	4	4
Caldwell Parish.....		1	1	Itasca County.....			1
De Soto Parish.....			1	Kittson County.....	1		
Grant Parish.....			1	Koochiching County.....	1	7	
Iterville Parish.....		1		Lac Qui Parle County.....	4		1
La Salle Parish.....	1			Lyon County.....		2	
Lincoln Parish.....		1		Nicollet County.....	2	4	
Morehouse Parish.....		1	22	Ottertail County.....	1		
Ouachita Parish.....	3			Polk County.....	18	1	1
Richland.....	1			Ramsey County.....	13	5	8
West Carroll Parish.....	1			Red Lake County.....			
Total.....	13	7	26	Rock County.....	2		
Maine:				St. Louis County.....	9	6	11
Cumberland County.....		3		Scott County.....			1
Maryland:				Wabasha County.....	1	7	1
Baltimore City.....		1	1	Winona County.....	8	1	2
Baltimore County.....			1	Total.....	80	43	34
Prince George County.....			5	Mississippi:			
Total.....		1	7	Benton County.....	1		
Massachusetts:				De Soto County.....		1	
Bristol County.....	1			Lauderdale County.....	2	2	4
Middlesex.....	1			Lee County.....	2		
Total.....	2			Pearl River County.....		5	
Michigan:				Pike County.....	11		
Alger County.....		1		Prentiss County.....			2
Berrien County.....	3		7	Tate County.....	4		
Charlevoix County.....				Warren County.....	2		
Cheboygan County.....	4		2	Washington County.....		1	
Clare County.....				Wayne County.....		1	1
Clinton County.....	1	1		Total.....	22	10	7
Genesee County.....		2		Montana:			
Grafton County.....			1	Dawson County.....	8		
Mississippi:				Deer Lodge County.....	2	1	
Benton County.....	1			Fergus County.....	1		
De Soto County.....		1		Flathead County.....	3	2	8
Lauderdale County.....	2	2	4	Granite County.....	1		
Lee County.....	2			Missoula County.....	4	1	4
Pearl River County.....		5					
Pike County.....	11						
Prentiss County.....			2				
Tate County.....	4						
Warren County.....	2						
Washington County.....		1					
Wayne County.....		1	1				
Total.....	22	10	7				
Montana:							
				Dawson County.....	8		
				Deer Lodge County.....	2	1	
				Fergus County.....	1		
				Flathead County.....	3	2	8
				Granite County.....	1		
				Missoula County.....	4	1	4

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Montana—Continued.				North Carolina—Contd.			
Musselshell County.....			4	Wayne County.....		1	
Ravall County.....		5	11	Wilson County.....	1		
Silver Bow County.....	1		5	Total.....	118	88	52
Wheatland County.....		2		North Dakota:			
Yellowstone County.....	1			Cass County.....	3	2	
Total.....	21	11	32	Cavalier County.....		1	5
Nebraska.....		5	3	Emmons County.....	1		
New Jersey:				Grand Forks County.....	3		
Bergen County.....	2			Grant County.....		2	
Burlington County.....	8			La Moure County.....		4	
Hudson County.....			1	Ramsey County.....	3	12	
Mercer County.....	7			Renville County.....		1	
Total.....	17		1	Richland County.....	2		
New Mexico:				Total.....	12	22	5
Colfax County.....		3		Ohio:			
New York:				Allen County.....	1		
Chautauqua County.....	4	6	2	Belmont County.....	2		1
Erie County.....	10	4	2	Butler County.....	1	2	3
New York City.....	10			Coshocton County.....	1		
Niagara County—				Cuyahoga County.....	6	10	7
Niagara Falls.....	3	12	1	Darke County.....	17	1	4
La Salle.....	21	2		Defiance County.....	20	8	1
Scattering.....	8	1	2	Erie County.....	4	1	
Total.....	56	25	7	Fayette County.....	1		
North Carolina:				Franklin County.....	2		
Beaufort County.....	1		1	Fulton County.....	2	1	
Cabarrus County.....	6	2		Guernsey County.....	19		
Carteret County.....			1	Hamilton County.....	2		
Caswell County.....	5			Hancock County.....	1	1	
Catawba County.....		1	1	Hardin County.....	2		
Chatham County.....	1			Henry County.....	3		
Cherokee County.....		3	2	Huron County.....		1	1
Cleveland County.....	6	1	2	Jackson County.....	1		
Columbus County.....	2	2	5	Knox County.....			3
Cumberland County.....	5	3		Lawrence County.....		1	
Davidson County.....	3	1	3	Lorain County.....	1		
Davie County.....	1			Lucas County.....	7	10	6
Durham County.....	3	6	1	Madison County.....		1	
Forsyth County.....	13	13	4	Mahoning County.....	3		3
Franklin County.....	2			Marion County.....	2		
Gaston County.....	6	11	2	Monroe County.....		1	
Granville County.....		1		Montgomery County.....	3		
Guilford County.....	18		1	Muskingum County.....	1		3
Halifax County.....			2	Paulding County.....			3
Iredell County.....		1	2	Preble County.....	1		
Johnston County.....	2	1	1	Putnam County.....			1
Jones County.....	1			Richland County.....	1		1
Lenoir County.....	1			Ross County.....	2		
Lincoln County.....		6	2	Scioto County.....	3		1
McDowell County.....		1		Summit County.....	2		
Mecklenburg County.....	19	5	10	Tuscarawas County.....			1
Mitchell County.....	1	1		Vinton County.....	2		
Nash County.....	1			Williams County.....	8	3	1
Orange County.....	4	3		Wood County.....	3	5	
Pitt County.....	2	3	2	Total.....	124	46	40
Polk County.....	1	3		Oklahoma:			
Rockingham County.....	3	4	5	Choctaw County.....	2		
Rowan County.....	2	2	2	Garfield County.....			1
Sampson County.....		1		Grady County.....		1	
Scotland County.....	1			Harper County.....	4		
Stanly County.....	4			Jackson County.....	7	8	
Swain County.....	1	10	2	Jefferson County.....	3		
Union County.....		2	2	Logan County.....			1
Vance County.....	1			Marshall County.....		1	
Wake County.....	1			Mayes County.....			1
				Rogers County.....	1		
				Tittman County.....	3		

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Oklahoma—Continued.				Virginia—Continued.			
Tulsa County.....	8		3	Henry County.....	5		
Wagoner County.....	2			Isle of Wight County.....			3
Total.....	30	10	6	Lunenburg County.....		1	1
Oregon:				Roanoke County.....	1	1	2
Baker County.....	9	1		Smyth County.....	1		
Clackamas County.....	13	1		Tazewell County.....	3		
Clatsop County.....		1		Total.....	23	3	15
Columbia County.....		2		Washington:			
Cosco County.....		2		Clarke County.....	15	18	1
Douglas County.....	2	2	1	Cowlitz County.....	1	30	1
Hood River County.....	3	2	2	Franklin County.....	3		
Josephine County.....	2			Grays Harbor County.....	2	1	2
Lane County.....	3	4	1	Jefferson County.....	4	1	
Marion County.....			7	King County—			
Multnomah County—				Seattle.....	12	18	5
Portland.....	25	20	4	Scattering.....	2		
Scattering.....	1		1	Klickitat County.....	1		
Umatilla County.....	1			Lewis County.....		4	2
Wasco County.....	3			Pacific County.....	1	2	1
Washington County.....		1	4	Pend Oreille County.....		1	
Total.....	62	36	20	Pierce County.....	1	5	
Pennsylvania:				Snohomish County.....	2	8	2
Allegheny County.....	10	2		Spokane County—			
Cambria County.....	1			Spokane.....	16	8	3
Delaware County.....	1	4		Scattering.....	4	2	2
Philadelphia County.....	5			Thurston County.....		1	
York County.....	5			Walla Walla County.....	2	2	
Total.....	22	6		Whatcom County.....			1
South Carolina:				Yakima County.....	1	1	
Anderson County.....		1		Total.....	67	68	20
Charleston County.....		2		West Virginia:			
Edgefield County.....	4			Logan County.....	2	2	2
Greenville County.....	1	3		McDowell County.....	4	1	
Laurens County.....			4	Mingo County.....	1	1	
Lexington County.....			2	Nicholas County.....	1		
Oconee County.....	1			Total.....	8	4	2
Orangeburg County.....			2	Wisconsin:			
Pickens County.....	1			Barron County.....	1	2	
Spartanburg County.....		2		Bayfield County.....			1
Total.....	7	8	8	Burnett County.....	1	1	
South Dakota:				Clark County.....	10	2	2
Beadle County.....	1			Columbia County.....	4	2	
Day County.....	1		4	Dodge County.....	6		1
Dewey County.....			24	Douglas County.....	12	9	15
Moody County.....	1	1		Eau Claire County.....	1		
Ziebach County.....			10	Fond du Lac County.....	1		
Total.....	3	1	38	Jefferson County.....	3	1	
Vermont:				Kenosha County.....	17	4	4
Addison County.....	1			La Crosse County.....	4	4	
Chittenden County.....	19	14	5	Marathon County.....			1
Grand Isle County.....	1			Milwaukee County.....	1	5	
Rutland County.....	1			Ozaukee County.....	1		
Windsor County.....			2	Peppin County.....	1		
Total.....	22	14	7	Racine County.....		2	
Virginia:				Rock County.....			1
Accomac County.....			1	Sawyer County.....	1		2
Arlington County.....			1	Vilas County.....			4
Brunswick County.....			2	Waukesha County.....	1	1	
Campbell County.....	1			Waupaca County.....		1	
Carroll County.....	4			Winnebago County.....	1	2	
Franklin County.....	5			Wood County.....	1	1	
Grayson County.....			5	Total.....	67	31	31
Halifax County.....	1	1		Wyoming:			
Henrico County.....	2			Carbon County.....	1		
				Hot Springs County.....	1		
				Sheridan County.....	1		
				Total.....	3		

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

SMALLPOX—VACCINATION HISTORIES.

State.	New cases reported.	Deaths.	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.....	292		4	15	270	3
District of Columbia.....	22				22	
Florida.....	8		1		4	3
Illinois.....	72		5	1	17	49
Kansas.....	53				26	27
Maryland.....	8				8	
Massachusetts.....	2			1	1	
Minnesota.....	157		2	9	108	38
Montana.....	64		1	4	44	15
New Mexico.....	3		1		2	
New York.....	88			1	76	11

TYPHOID FEVER.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Alabama.....				Alabama—Continued.....			
Autauga County.....			1	Madison County.....	8	27	6
Baldwin County.....	2	2	2	Marengo County.....		6	1
Barbour County.....	9	5	3	Marion County.....	3	5	
Bibb County.....	1	1	2	Marshall County.....	9	12	5
Blount County.....		2		Mobile County.....	8	15	5
Bullock County.....			6	Monroe County.....	8	6	1
Butler County.....		12	2	Montgomery County.....	6	15	7
Calhoun County.....	5	10	16	Morgan County.....	14	13	3
Chambers County.....		2		Perry County.....	1	12	1
Cherokee County.....	5	3	1	Pickens County.....	8	3	1
Chilton County.....	2	4	2	Pike County.....	6	14	3
Choctaw County.....		2	1	Randolph County.....	5	7	10
Clarke County.....	3	5	7	Russell County.....		1	
Clay County.....		1		Shelby County.....	5	5	7
C'eburne County.....		2		St. Clair County.....	4	9	3
Coffee County.....	4	3		Sumter County.....		1	3
Colbert County.....	3			Talladega County.....	10	3	4
Conecuh County.....	1			Tallapoosa County.....	10	15	10
Coosa County.....	3	2		Tufaceoosa County.....	3	15	1
Coalington County.....	13	16	1	Walker County.....	5	9	8
Crenshaw County.....	7	6	2	Washington County.....	1		
Cullman County.....	12	3	4	Wilcox County.....	2	1	1
Dale County.....	2	4	6	Winston County.....	4	2	6
Dallas County.....	2	0	7	Total.....	352	500	265
DeKalb County.....	20	23	5	Arizona.....			
Elmore County.....	8	27	5	Apache County.....		1	1
Escambia County.....	6	2	1	Cochise County.....			1
Etowah County.....	16	6	7	Coconino County.....	1		1
Fayette County.....	3	1	1	Gila County.....		2	5
Franklin County.....	2	10		Graham County.....			1
Geneva County.....	1	4	2	Maricopa County.....	3	1	
Greene County.....			1	Pima County.....		2	
Hale County.....			4	Yavapai County.....			1
Henry County.....		1	1	Yuma County.....	2		
Houston County.....	7	8	6	Total.....	6	6	10
Jackson County.....	8	11	2	Arkansas.....			
Jefferson County.....	45	74	56	Arkansas County.....	6		
Lamar County.....	4		3	Ashley County.....	3	2	
Lauderdale County.....	8	5		Baxter County.....	1	1	
Lawrence County.....	3	3	6	Benton County.....		4	1
Lee County.....		12	3				
Limestone County.....	17	12	4				
Lowndes County.....	3	6	6				
Macon County.....	5	3	3				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Arkansas—Continued.				California—Continued.			
Calhoun County.....	5	1	2	San Benito County.....		1	
Carroll County.....	5	4	11	San Bernardino County.....	1	10	10
Clark County.....	2			San Diego County.....		4	1
Clay County.....	2			San Francisco County.....	3	7	2
Cleveland County.....	1	3		San Joaquin County.....	6	10	9
Columbia County.....		4	2	San Mateo County.....		2	
Conway County.....	1	3	3	Santa Clara County.....	1	2	
Craighead County.....	2	17	2	Santa Cruz County.....		2	
Crawford County.....	6	4	1	Shasta County.....			1
Cross County.....	1			Siskiyou County.....	1	1	2
Drew County.....	1	2	1	Solano County.....	1	1	
Faultner County.....	5	8	11	Sonoma County.....	2	2	
Franklin County.....	4		1	Stanislaus County.....		2	1
Garland County.....	1	1	4	Sutter County.....		1	1
Grant County.....		3		Tehama County.....	1		
Greene County.....		1	2	Trinity County.....		1	
Hempstead County.....	2			Tulare County.....		1	1
Hot Spring County.....		5		Ventura County.....		2	
Howard County.....	5	6		Yuba County.....		1	
Independence County.....	11	2	7	Yolo County.....			3
Izard County.....		4	1	Place not stated.....	12	ED	12
Jefferson County.....		2	1				
Lawrence County.....	2		5	Total.....	72	152	93
Lee County.....	2						
Logan County.....	2	2		Colorado:			
Looke County.....			1	Adams County.....	1	2	9
Madison County.....	2	2	6	Alamosa County.....		1	
Miller County.....			10	Archuleta County.....			1
Monroe County.....	2	1		Bent County.....			2
Montgomery County.....		1		Boulder County.....		3	2
Nevada County.....			13	Chaffee County.....			3
Ouchita County.....		4	1	Denver County.....	6	19	26
Perry County.....	5			Dolores County.....	2	1	2
Pike County.....		1		El Paso County.....	4	3	4
Pulaski County.....	29	17	7	Fremont County.....		3	4
Randolph County.....	2	2		Garfield County.....	2		
St. Francis County.....	1	1		Huerfano County.....			18
Saline County.....	7	1		Kit Carson County.....	2		
Scott County.....			9	Lake County.....	2		
Sebastian County.....	27	13	6	Larimer County.....	1	2	2
Sharp County.....	8	8	17	Las Animas County.....	3	2	3
Union County.....	5	1	2	Logan County.....	2	2	
Van Buren County.....		3		Mesa County.....		1	2
Washington County.....	6	20	8	Montezuma County.....	4		
White County.....	2	7	3	Montrose County.....			6
Woodruff County.....		1		Otero County.....	1	16	10
Yell County.....	3			Prowers County.....		1	
Total.....	169	162	138	Pueblo County.....	9	1	1
				Rio Grande County.....			1
California:				Weld County.....	1	6	7
Alameda County.....	1	6	4	Total.....	42	67	103
Butte County.....	1						
Colusa County.....	1			Connecticut:			
Contra Costa County.....	2	10		Fairfield County.....	7	14	9
Eldorado County.....	1	1		Hartford County.....	2	11	9
Fresno County.....	3	8	9	New Haven County.....			
Glenn County.....	1			New Haven.....	8	15	28
Imperial County.....	6	4		Scattering.....	9	9	2
Kings County.....			1	New London County.....	2	6	5
Lake County.....	1			Tolland County.....			2
Lassen County.....		1		Windham County.....	2	1	4
Los Angeles County.....				Total.....	30	56	59
Los Angeles.....	6	15	7				
Scattering.....	14	37	16	Delaware:			
Madera County.....	2			Kent County.....		14	7
Mariposa County.....		4		New Castle County.....	4	7	8
Merced County.....			1	Sussex County.....		3	2
Monterey County.....			3	Total.....	4	24	17
Napa County.....		1					
Nevada County.....		1		District of Columbia.....	12	20	20
Orange County.....			3				
Placer County.....		1	1				
Riverside County.....	2	1	2				
Sacramento County.....	3	1	3				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Florida:				Illinois—Continued.			
Alachua County.....			1	Boone County.....	1		
Baker County.....		1		Bureau County.....	1	1	3
Bay County.....				Cass County.....			2
Bradford County.....		1		Champaign County.....	1	7	3
Broward County.....	1			Christian County.....		4	8
Calhoun County.....		3	1	Clark County.....	1	1	3
Clay County.....				Clay County.....	2	2	1
Columbia County.....		1		Clinton County.....		1	1
Dade County.....	2			Coles County.....	4	5	3
Dixie County.....		1		Cook County.....	18	29	38
Duval County.....	7	5	5	Crawford County.....	1	1	3
Escambia County.....	7	1	4	Cumberland County.....		1	2
Gadsden.....	2	1	1	De Kalb County.....		1	
Hamilton County.....			1	Douglas County.....	4	2	
Hillsborough County.....		2	1	Du Page County.....	1	2	1
Jackson County.....		1	2	Edwards County.....	1		1
Jefferson County.....	1	1	1	Fayette County.....	1		12
Lafayette County.....		2		Ford County.....			1
Lake County.....		2		Franklin County.....	5	6	8
Lee County.....		1		Fulton County.....	2	3	
Leon County.....			1	Gallatin County.....		1	
Levy County.....		2		Grundy County.....			2
Madison County.....		3	1	Hamilton County.....		1	2
Manatee County.....	1	6	1	Hancock County.....		4	1
Marion County.....		7	5	Henry County.....		5	5
Oka. oosa County.....		1	1	Iroquois County.....		2	
Orange County.....	1	5		Jackson County.....		4	9
Osceola County.....		1		Jasper County.....		3	
Palm Beach County.....	1	1		Jefferson County.....		6	3
Pasco County.....	2	1	2	Jersey County.....	1		1
Pinellas County.....		1	2	Johnson County.....	1	3	
Polk County.....	1	3	1	Kane County.....	2		3
St. Johns County.....		1	1	Kankakee County.....	1	2	
Santa Rosa County.....	1	1		Kendall County.....			2
Seminole County.....			2	Knox County.....	1	5	9
Suwannee County.....	1	1		Lake County.....	1	2	4
Union County.....	1	1	1	La Salle County.....		1	1
Volusia County.....	2	2	1	Lawrence County.....		1	2
Wakulla County.....		1		Lee County.....	1		
Walton County.....		1		Livingston County.....			3
Total.....	31	64	36	Logan County.....		1	
Hawaii:				McDonough County.....		1	
Hawaii.....	7	16	11	McLean County.....	1	1	1
Kauai.....	4			Macon County.....	2	7	3
Mau.	1	1	2	Macoupin County.....			1
Oahu.....	5	5	2	Madison County.....	4	5	18
Total.....	17	22	15	Marion County.....	3	1	8
Idaho:				Marshall County.....		2	1
Bannock County.....		3		Massac County.....	2		
Bonneville County.....			6	Menard County.....		2	2
Boise County.....		1		Mercer County.....	2		
Boundary County.....		1		Monroe County.....	2	2	1
Butte County.....		2		Montgomery County.....	1	6	
Canyon County.....			11	Morgan County.....	1	6	2
Caribou County.....		1		Ogle County.....		1	
Elmore County.....			1	Peoria County.....	2	19	44
Fremont County.....		1		Perry County.....			2
Jefferson County.....		1	1	Pike County.....		2	3
Jerome County.....		2		Pulaski County.....		1	
Kootenai County.....			2	Randolph County.....		8	3
Lemhi County.....		1		Richardson County.....	1	1	2
Madison County.....		6		Rock Island County.....			7
Nev. Perce County.....		3		St. Clair County.....	3	5	10
Power County.....		7		Saline County.....	1	2	2
Total.....		28	22	Sangamon County.....	1	1	9
Illinois:				Schuyler County.....	1		
Adams County.....		2	5	Shelby County.....	1	1	1
Alexander County.....		2	3	Stephenson County.....			1
Bond County.....	1	5	11	Tazewell County.....	3	2	1
				Union County.....	1	4	9
				Vermilion County.....		7	2
				Wabash County.....		2	
				Warren County.....		1	
				Wayne County.....		1	2
				White County.....	1	3	2

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Illinois—Continued.				Iowa—Continued.			
Whiteside County....	1			Jefferson County.....		1	
Will County.....	1	10	16	Jones County.....		1	1
Williamson County....	11	13	9	Lee County.....	1	3	
Winnebago County....	1		2	Mills County.....			1
Total.....	99	233	320	Montgomery County..			1
Indiana:				Plymouth County.....		1	1
Allen County.....	1	2	24	Polk County.....	2		
Bartholomew County..	1	1		Scott County.....			2
Cass County.....	1	1	1	Tama County.....	1		
Clay County.....	2	3	2	Wapello County.....			1
Clinton County.....	1		4	Woodbury County....		6	
Daviess County.....		2	3	Total.....	8	25	18
Decatur County.....		2		Kansas:			
Delaware County.....	2		1	Allen County.....		8	4
Dubois County.....		3	1	Anderson County....	2		
Floyd County.....		3		Atechison County....	1	2	
Fountain County.....		1		Barber County.....		3	1
Grant County.....		1	4	Barton County.....		1	
Hancock County.....			2	Bourbon County.....		4	2
Harrison County.....	1			Brown County.....	1	5	5
Hendricks County....	1			Butler County.....	2	4	3
Howard County.....	1		2	Chautauqua County..		1	
Huntington County..		2	1	Cherokee County.....	1	2	6
Jackson County.....	2	2	1	Cheyenne County....	1	1	1
Jennings County....		3	2	Clark County.....			1
Johnson County.....		1		Clay County.....			1
Kosciusko County....	1		1	Cloud County.....		1	1
Knox County.....		1		Coffee County.....	2	1	2
Lake County.....	2	2	13	Comanche County....		1	1
Laporte County.....		1		Cowley County.....	11	4	1
Lawrence County....		1	4	Crawford County....	4	8	1
Madison County.....	3		3	Decatur County.....		3	
Marion County.....	4	7	13	DeClinson County—			
Martin County.....			2	Herington.....		19	21
Monroe County.....		3		Scattering.....		3	2
Newton County.....		1		Douglas County.....		7	2
Noble County.....			3	Elk County.....	1	1	
Owen County.....	1		2	Ellis County.....	2		
Parke County.....			1	Ellsworth County....	1	2	1
Perry County.....			2	Finney County.....	1	12	
Pike County.....			3	Ford County.....			1
Posey County.....			2	Franklin County.....			1
Randolph County....			1	Geary County.....		2	
Ripley County.....	1		3	Greenwood County..	5	5	3
St. Jo'eph County....	3	4	8	Harper County.....	3	2	
Steuben County.....			1	Harvey County.....		1	
Sullivan County.....		3		Hodgeman County....		1	
Tippecanoe County..	1			Jefferson County....		1	3
Tipton County.....			1	Jewell County.....	3		
Union County.....	7	6	5	Johnson County....		2	2
Vanderburgh County.		2	6	Kearny County.....	1		
Vigo County.....		4	9	Kingman County....	1	1	
Wayne County.....		3	2	Kiowa County.....	4		
Wells County.....			2	Labette County.....	2	6	3
White County.....			1	Leavenworth County	2	1	
Total.....	35	60	137	Lincoln County.....		3	
Iowa:¹				Linn County.....		4	6
Adair County.....		1		Lyon County.....	1	2	3
Black Hawk County..	1			Marion County.....	4	4	1
Boone County.....			1	Marshall County....		1	
Buchanan County....	1			Meade County.....		1	
Cerro Gordo County..			4	Miami County.....	2		1
Clay County.....			1	Montgomery County-			
Clinton County.....	1	1		Colleyville.....	12	7	3
Crawford County....	1			Scattering.....	6	10	8
Fayette County.....		10	3	Morris County.....		5	2
Humboldt County....			2	Nemaha County.....	2	1	
Ida County.....		1		Neosho County.....	1		
				Ness County.....	2	1	1
				Osage County.....	1	2	5

¹ Typhoid fever is not required by law to be reported in Iowa.

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Kansas—Continued.				Louisiana—Continued.			
Osborne County.....	2	1	.....	Webster Parish.....	2	6	2
Pottawatomie County.....		1	.....	West Baton Rouge Parish.....		1	.....
Pratt County.....			.....	Total.....	102	127	89
Reno County.....	3	6	1	Maine:			
Rice County.....	1	4	1	Androscoggin County.....			2
Riley County.....	1		3	Aroostook County.....	2	9	11
Rooks County.....		1	.....	Cumberland County.....	4	5	7
Russell County.....		3	.....	Hancock County.....	2	2	.....
Saline County.....		1	1	Kennebec County.....	3		.....
Sedgwick County.....	11	8	7	Knox County.....			1
Shawnee County.....	1	4	4	Lincoln County.....			1
Smith County.....		1	.....	Penobscot County.....	1	3	1
Stafford County.....	1	5	6	Piscataquis County.....		1	.....
Sumner County.....	4	12	4	Sagadahoc County.....		1	.....
Thomas County.....		2	.....	Somerset County.....	1		.....
Wabaussee County.....	1	1	.....	Washington County.....		1	4
Washington County.....		1	.....	York County.....	1		.....
Wilson County.....		4	.....	Total.....	14	22	27
Woolson County.....	1	2	10	Maryland:			
Wyandotte County.....	2	7	10	Allegany County.....	2	12	7
Total.....	108	226	146	Anne Arundel County.....	10	12	5
Louisiana:				Baltimore City.....	31	47	45
Acadia Parish.....		7	6	Baltimore County.....	5	13	7
Allen Parish.....	2	1	.....	Calvert County.....		5	2
Ascension Parish.....	1		.....	Caroline County.....	3	14	21
Assumption Parish.....	1		.....	Carroll County.....	1	1	2
Avoyelles Parish.....			3	Cecil County—			
Bienville Parish.....			3	North East.....	3	10	11
Bossier Parish.....			1	Scattering.....	3	1	2
Caddo Parish.....	20	7	11	Charles County.....	1	5	4
Calcasieu Parish.....	3		1	Dorchester County.....	4	22	11
Claiborne Parish.....	1		1	Frederick County.....	2	8	8
De Soto Parish.....	8	2	3	Garrett County.....		10	8
East Baton Rouge Parish.....	2	2	1	Harford County.....	2	1	10
East Carroll Parish.....		1	.....	Howard County.....		6	.....
East Feliciana Parish.....			2	Kent County.....	4	3	2
Franklin Parish.....	1	2	.....	Montgomery County.....	4	11	16
Iberia Parish.....	1	1	1	Prince Georges County.....	7	14	12
Iberville Parish.....	1	1	1	Queen Annes County.....	1	9	4
Jackson Parish.....		4	4	St. Marys County.....	2	2	.....
Jefferson Parish.....	1	3	1	Somerset County.....	6	23	9
Jefferson Davis Parish.....		2	.....	Talbot County.....	3	3	2
Lafayette Parish.....	5	4	.....	Washington County.....	12	14	13
La Fourche Parish.....	1	1	2	Wicomico County.....	8	7	9
La Salle Parish.....	1	5	.....	Worcester County.....		14	11
Lincoln Parish.....		2	3	State institutions.....		8	5
Madison Parish.....	19	1	1	Total.....	114	275	226
Morehouse Parish.....	1		.....	Massachusetts:			
Natchitoches Parish.....		26	12	Barnstable County.....	1		.....
Orleans Parish.....	8	2	.....	Berkshire County.....	1	1	4
Ouachita Parish.....		5	2	Bristol County.....	5	6	10
Plaquemines Parish.....	3	1	.....	Essex County.....	13	13	22
Pointe Coupee Parish.....	4	2	.....	Franklin County.....	2	1	.....
Rapides Parish.....	2	6	10	Hampden County.....	2	6	2
Richland Parish.....		3	2	Hampshire County.....	1		.....
Red River Parish.....			1	Middlesex County.....	8	8	18
Sabine Parish.....		2	5	Nantucket County.....	3		.....
St. Charles Parish.....		1	.....	Norfolk County.....	1	1	6
St. Helena Parish.....			2	Plymouth County.....	1	3	10
St. Landry Parish.....	1	4	.....	Suffolk County—			
St. Martin Parish.....	2		.....	Boston.....	11	15	16
St. Mary Parish.....	2	1	.....	Scattering.....	2		.....
St. Tammany Parish.....		1	.....	Worcester County.....	7	10	10
Tangipahoa Parish.....	2		.....	Total.....	58	64	93
Tensas Parish.....	1	2	.....			
Terrebonne Parish.....		8	1				
Union Parish.....		1	.....			
Vermilion Parish.....	1	3	1				
Vernon Parish.....	1	2	.....			
Washington Parish.....	4	4	5				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Michigan:				Minnesota—Continued.			
Alcona County.....		1		Clay County.....		1	2
Allegan County.....			1	Cottonwood County.....		1	2
Alpena County.....	2			Crow Wing County.....	1	3	2
Antrim County.....	3		1	Fillmore County.....			3
Baraga County.....			20	Goodhue County.....		1	1
Bay County.....	4	3	15	Hennepin County.....		8	11
Berrien County.....	3		1	Itasca County.....		2	
Benzie County.....		1		Kittson County.....			3
Calhoun County.....	3			Koochiching County.....	1		
Cass County.....		1		Le Sueur County.....			1
Cheboygan County.....	1		1	Lyon County.....			1
Clinton County.....	1			McLeod County.....		1	
Delta County.....			1	Marshall County.....		1	
Eaton County.....	1	1	1	Mille Lacs County.....	1	1	
Genesee County.....	3	1	11	Morrison County.....	1		
Gogebic County.....			1	Mower County.....			1
Grand Traverse County.....			2	Nicollet County.....			2
Gratiot County.....	1	1	6	Norman County.....		1	
Hillsdale County.....		1	2	Olmsted County.....			1
Houghton County.....	2		4	Pine County.....			1
Huron County.....	1			Polk County.....			1
Ingham County.....	2	2	5	Ramsey County.....	8	7	7
Ionia County.....		1	1	Red Lake County.....	1		2
Iosco County.....			1	Red Wood County.....	4	1	
Iron County.....			1	Rice County.....			1
Isabella County.....		1		Rock County.....		1	1
Jackson County.....	2	3	2	Roseau County.....		1	
Kalamazoo County.....		4	2	St. Louis County.....	1	2	8
Kalkaska County.....		3	3	Stearns County.....	1		
Kent County.....	1	18	8	Steele County.....		1	
Lake County.....		3		Stevens County.....	1	1	
Lapeer County.....		4	1	Swift County.....		1	
Lenawee County.....		9	3	Todd County.....			1
Livingston County.....		2		Wabasha County.....		1	2
Luce County.....			1	Washington County.....		2	
Macomb County.....		5	2	Watsonwan County—			
Manistee County.....			2	St. James.....	4	14	1
Marquette County.....			2	Scattering.....	1		
Mason County.....			2	Winona County.....	1	3	2
Midland County.....			4	Wright County.....			1
Mecosta County.....	2	3		Yellow Medicine			
Menominee County.....		1		County.....		1	1
Montcalm County.....		2	1				
Muskegon County.....		6	4	Total.....	31	65	67
Oakland County.....	1	1	3				
Ottawa County.....			2	Mississippi:			
Saginaw County.....	7	6	9	Adams County.....	4	2	2
St. Clair County.....	3	1		Alcorn County.....	1	2	2
St. Joseph County.....	1			Amite County.....	4	10	
Sanilac County.....		1	3	Attala County.....	3	14	2
Schoolcraft County.....			1	Benton County.....		1	
Shiawassee County.....		3	1	Bolivar County.....	36	24	22
Tuscola County.....		1	1	Calhoun County.....	1		4
Van Buren County.....	1	1		Chickasaw County.....	3	1	2
Washtenaw County.....	1		2	Choctaw County.....	2	2	1
Wayne County.....	27	16	25	Claiborne County.....		1	
Wexford County.....	4			Clarke County.....	4	5	9
Total.....	77	106	160	Clay County.....	6	1	5
Minnesota:				Coahoma County.....	5	8	9
Aitkin County.....	2			Copiah County.....	12	23	2
Anoka County.....		2	1	Covington County.....	5	3	1
Becker County.....		3	2	De Soto County.....	14	13	4
Beltrami County.....	1			Forrest County.....	1	1	3
Benton County.....			2	Franklin County.....			1
Bigstone County.....	1			George County.....	3	1	
Blue Earth County.....		2	3	Greene County.....	1		1
Brown County.....	1			Grenada County.....	1		
Carlton County.....		1		Harrison County.....	4	3	1
Cass County.....		2		Hinds County.....	5	6	5
Chippewa County.....			1	Holmes County.....	3	1	
Chisago County.....			1	Humphreys County.....	4		
				Itawamba County.....	1		
				Jackson County.....			1

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Mississippi—Continued.				Montana—Continued.			
Jasper County.....	1	2	4	Tooe County.....		1	.....
Jefferson County.....	1	2	1	Valley County.....		1	.....
Jefferson Davis County.....	8	5	5	Wheatland County.....	2		
Jones County.....	1	6	1	Yellowstone County.....			7
Kemper County.....	1		5	Total.....	19	15	34
Lafayette County.....	3	3	4	Nebraska.....	24	6	4
Lauderdale County.....	4	3	5	New Jersey:			
Lawrence County.....	1	5	6	Atlantic County.....	3	4	3
Leake County.....	4	2	3	Bergen County.....	3	11	3
Lee County.....	12	9	12	Burlington County.....	3	6	3
Leflore County.....	12	1	8	Camden County.....	3	5	12
Lincoln County.....	17	7	2	Cape May County.....		1	1
Lowndes County.....	4	5	4	Cumberland County.....	2	2	6
Madison County.....	7	4		Essex County.....	8	14	10
Marion County.....	3	3	2	Gloucester County.....	1	2	7
Marshall County.....	2	4	1	Hudson County.....	3	10	7
Monroe County.....	9	3	4	Hunterdon County.....			1
Montgomery County.....	8	4	7	Mercer County.....	4	10	10
Neshoba County.....		1	1	Middlesex County.....	2	12	11
Newton County.....	3	5	4	Monmouth County.....	2	4	13
Noxubee County.....	1	4	2	Morris County.....	4	1	3
Oktibbeha County.....	1	4	4	Passaic County.....	4		2
Panola County.....	7	5	3	Salem County.....		2	3
Pearl River County.....	2	5	1	Somerset County.....	4	2	3
Perry County.....	1	1	1	Sussex County.....	1		
Pike County.....	14	6	2	Union County.....	6	9	2
Pontotoc County.....	3	4	1	Warren County.....		1	
Prentiss County.....	4	4	15	Total.....	53	96	100
Quitman County.....	4	3	1	New Mexico:			
Rankin County.....	1	5	3	Bernalillo County.....	3	5	10
Scott County.....	4	3	3	Chaves County.....		2	2
Sharkey County.....			6	Colfax County.....	2	2	4
Simpson County.....	2	5	4	Curry County.....	4		1
Sunflower County.....	5	12	5	Dona Ana County.....		7	8
Tallahatchie County.....	5	8	2	Eddy County.....	3	9	9
Tate County.....	5	4	5	Guadalupe County.....		2	
Tippah County.....	6	2	1	Lincoln County.....	1	2	
Tishomingo County.....	3	10	5	Luna County.....	1	1	1
Tunica County.....	3		2	McKinley County.....		1	
Union County.....	3	6	5	Mora County.....		12	2
Walthall County.....	3	5	2	Otero County.....		1	1
Warren County.....	2	2	2	Quay County.....		2	4
Washington County.....	13	11	6	Rio Arriba County.....			2
Wayne County.....	1	2	2	Roosevelt County.....	1	1	
Webster County.....	6	3		Sandoval County.....		2	1
Wilkinson County.....		1	2	San Juan County.....	11	5	3
Winston County.....		5		San Miguel County.....	1	1	3
Yalobusha County.....	1	2	2	Santa Fe County.....		1	10
Yazoo County.....	3	2	1	Taos County.....	2		4
Total.....	327	320	241	Union County.....	1		
Montana:				Valencia County.....	1	4	5
Big Horn County.....		1		Total.....	31	67	75
Blaine County.....	2		3	New York:			
Cascade County.....	2			Albany County.....	11	6	7
Dawson County.....		3	2	Allegany County.....	4	2	5
Fergus County.....	2	1	3	Broome County.....	1	2	1
Flathead County.....			2	Cattaraugus County.....		1	2
Garfield County.....		1	1	Cayuga County.....	1		2
Glacier County.....			1	Chautauqua County—			
Hill County.....			2	Jamesstown.....	15	10	1
Lewis and Clark County.....	1			Scattering.....	3	6	3
Lincoln County.....	7		5	Chemung County—			
McCone County.....		3	2	Elmira.....		32	3
Madison County.....	2			Scattering.....	1		1
Meagher County.....			1	Chenango County.....		4	3
Missoula County.....		1		Clinton County.....	1	1	3
Musselshell County.....			1	Columbia County.....	2	7	7
Park County.....		1	2	Cortland County.....		1	
Roosevelt County.....		2	1				
Silver Bow County.....			1				
Stillwater County.....	1						

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
New York—Continued.				North Carolina—Cont.			
Delaware County.....		1	2	Davidson County.....	13	5	2
Dutchess County.....	1	5	1	Davie County.....	3	1	.....
Eric County—				Duplin County.....	2	.....	2
Buffalo.....	8	11	15	Durham County.....	3	1	5
Scattering.....	1	1	10	Edgecombe County..	2	5	5
Essex County.....	2	1	2	Forsyth County.....	6	20	12
Franklin County.....				Franklin County.....	1	4	.....
Fulton County.....		2	1	Gaston County.....	16	16	2
Greene County.....	1	4	2	Gates County.....	2	1	1
Hamilton County.....		1	2	Granville County.....	8	2	1
Herkimer County.....	1	2	11	Greene County.....	2	.....	.....
Jefferson County.....			8	Guilford County.....	74	39	16
Lewis County.....		1	1	Halifax County.....	19	6	7
Livingston County.....		1	1	Harnett County.....	3	2	2
Madison County.....			3	Haywood County.....	3	2	1
Monroe County—				Henderson County.....	2	4	3
Rochester.....	1	6	17	Hoke County.....	1	.....	.....
Scattering.....	1	1	4	Iredell County.....	1	3	1
Montgomery County.....		4	4	Jackson County.....	12	.....	5
Nassau County.....	2	4	4	Johnston County.....	26	3	5
New York City.....	55	180	205	Jones County.....	1	1	.....
Niagara County.....	1	4	5	Lenoir County.....	3	.....	.....
Oneida County.....	2	1	3	Lincoln County.....	3	5	2
Onondaga County.....	10	3	6	McDowell County.....	1	1	.....
Ontario County.....	1	.....	1	Macon County.....			4
Orange County.....	2	5	.....	Madison County.....	2	1	1
Orleans County.....		3	1	Martin County.....	6	4	5
Otsego County.....	3	2	1	Mecklenburg County..	25	12	13
Rensselaer County.....	9	9	13	Mitchell County.....		2	.....
Rockland County.....	2		2	Montgomery County..	3	1	.....
St. Lawrence County.....		7	4	Moore County.....	1	1	.....
Saratoga County.....	2	4	.....	Nash County.....	10	8	3
Schenectady County.....	2	3	1	New Hanover County..	2	4	3
Schoharie County.....	2	1	.....	Northampton County..	3	2	2
Schuyler County.....			1	Onslow County.....	1	1	.....
Steuven County.....	2	2	7	Orange County.....		3	8
Suffolk County—				Pasquotank County...	7	7	4
Islip.....			14	Pender County.....	2	.....	1
Scattering.....	3	2	1	Perquimans County...	2	2	3
Sullivan County.....		5	3	Person County.....	5	2	1
Tioga County.....	1	4	.....	Pitt County.....	10	10	7
Tompkins County.....	3	2	2	Polk County.....	2	.....	.....
Ulster County.....	6	6	3	Randolph County.....	3	12	2
Warren County.....	3	2	1	Richmond County.....	2	3	1
Washington County.....	1	1	1	Robeson County.....	12	5	2
Wayne County.....	1	3	.....	Rockingham County..	3	8	1
Westchester County.....	12	17	7	Rowan County.....	8	6	1
Yates County.....	1	1	.....	Sampson County.....	4	5	4
Total.....	181	353	409	Stanly County.....		3	.....
				Stokes County.....	1	3	3
North Carolina:				Surry County.....	2	3	.....
Alamance County.....	6	4	6	Swain County.....	4	3	3
Alexander County.....		5	.....	Transylvania County..	1	3	1
Anson County.....	1	1	.....	Union County.....		1	1
Ashe County.....	4	.....	4	Vance County.....	1	1	2
Avery County.....			2	Wake County.....	12	23	3
Beaufort County.....	3	3	4	Warren County.....		3	.....
Bertie County.....	13	5	3	Washington County...	1	1	1
Bladen County.....	3	1	2	Watauga County.....		1	.....
Burcombe County.....	9	10	11	Wayne County.....	13	4	8
Burke County.....	1	.....	.....	Wilkes County.....	9	3	.....
Cabarrus County.....	14	3	.....	Wilson County.....	5	4	1
Caldwell County.....	2	5	.....	Yadkin County.....	6	5	2
Carteret County.....			1	Yancey County.....	1	5	.....
Caswell County.....	2	.....	1	Total.....	461	342	206
Catawba County.....	3	3	4	North Dakota:			
Chatham County.....	1	1	1	Barnes County.....		2	7
Cherokee County.....	2	.....	.....	Burleigh County.....	1	5	2
Chowan County.....	1	1	.....	Cass County.....		1	4
Clay County.....			.....	Dickey County.....			1
Cleveland County.....	10	5	4	Eddy County.....			1
Columbus County.....	6	2	.....	Griggs County.....			3
Craven County.....	5	4	.....	La Moure County.....			1
Cumberland County.....	2	2	.....			

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923 --Continued.

TYPHOID FEVER--Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
North Dakota--Cont.				Ohio--Continued.			
Morton County.....		3	2	Portage County.....		1	2
Pembina County.....			5	Preble County.....		1	1
Pierce County.....		3	1	Putnam County.....	3		2
Ramsey County.....		1		Richland County.....	1	2	7
Richland County.....	2		2	Ross County.....	6	7	3
Stark County.....		2		Sandusky County.....	4		2
Stutsman County.....			2	Scioto County.....	5	18	13
Walsh County.....		1		Seneca County.....	1	4	2
Williams County.....		1		Shelby County.....		1	
Total.....	3	19	31	Stark County.....	5	4	9
Ohio:				Summit County.....	11	10	11
Adams County.....	3	1	1	Trumbull County.....	1	2	11
Allen County.....	11	1	2	Tuscarawas County.....	5	5	8
Ashland County.....	1		2	Union County.....		1	
Ashabula County.....	1	3	2	Van Wert County.....		1	1
Athens County.....	1	34	16	Vinton County.....		5	3
Auglaize County.....		2	2	Warren County.....			2
Belmont County.....	2	1	12	Washington County.....		7	3
Brown County.....	6	2	2	Wayne County.....	2	3	2
Butler County.....	3	3	4	Williams County.....	3	2	2
Carroll County.....	3	1	1	Wood County.....		4	3
Champaign County.....			2	Wyandot County.....	1		2
Clark County.....	2	7	3	Total.....	223	315	353
Clermont County.....		4	3	Oklahoma:			
Clinton County.....		1	3	Atoka County.....	5		
Columbiana County.....	6		11	Blaine County.....		5	
Coshocton County.....		1	5	Bryan County.....	4		
Crawford County.....		3	2	Caddo County.....	1	3	
Cuyahoga County.....	42	20	20	Cherokee County.....			1
Darke County.....		2	11	Choctaw County.....	1	6	
Defiance County.....		2	1	Coal County.....	3	1	
Erie County.....			1	Comanche County.....	2		
Fairfield County.....		1	1	Custer County.....	5	7	3
Fayette County.....	3	1	4	Ellis County.....		1	
Franklin County.....	9	8	14	Garfield County.....	1	1	1
Fulton County.....	2	7	4	Garvin County.....			1
Gallia County.....		1	5	Grady County.....		5	
Greene County.....	4	1	1	Grant County.....			2
Guernsey County.....	2	5	6	Harmon County.....	1		2
Hamilton County.....	8	21	8	Haskell County.....	1	2	
Hancock County.....			1	Jackson County.....	2	1	
Hardin County.....	1	1	5	Kingsfisher County.....	9	2	
Harrison County.....		2		Lincoln County.....	4		
Henry County.....		2	7	Logan County.....		8	7
Highland County.....	2	4	6	Mayes County.....	17	44	18
Hocking County.....	2	1	3	Major County.....			1
Holmes County.....	1	1	1	Noble County.....	4		
Jackson County.....	2	1	1	Oklahoma County.....		1	
Jefferson County.....	1	4		Pittsburg County.....		3	1
Knox County.....	1		2	Pottawatomie County.....	12	17	1
Lake County.....	2		1	Rogers County.....	3	2	2
Lawrence County.....	17	8	8	Seminole County.....	3		
Licking County.....	5	3	5	Sterhens County.....	1		
Logan County.....		1	4	Tullman County.....	6	10	
Lorain County.....	1	2	5	Tulsa County.....	29		5
Lucas County.....	8	16	14	Wagoner County.....		2	
Madison County.....		5	2	Washington County.....		34	
Mahoning County.....	1	7	8	Woods County.....	6	3	4
Marion County.....	1	2	2	Woodward County.....	1	5	
Medina County.....	1	1		Total.....	121	164	48
Meigs County.....	2	1		Oregon:			
Mercer County.....		1	3	Benton County.....			6
Miami County.....		6	4	Clackamas County.....			5
Monroe County.....			3	Coos County.....	1	6	
Montgomery County.....	13	7	10	Crook County.....			1
Morgan County.....	1	3	1	Deschutes County.....		1	
Morrow County.....			2	Douglas County.....		1	
Muskingum County.....	2	12	7	Hood River County.....			2
Noble County.....		1	5	Lane County.....		4	4
Ottawa County.....		6	2	Linn County.....	1		1
Perry County.....	1		2	Marion County.....		2	
Pickaway County.....		1					
Pike County.....	1	5	1				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Oregon—Continued.				Rhode Island:			
Multnomah County.....	1	4	9	Bristol County.....	2	3	
Umatilla County.....	2	1	1	Providence County.....	5	6	
Union County.....			4	Washington County.....		1	
Wallowa County.....	1			Total.....	7	10	
Wasco County.....		3	2	South Carolina:			
Total.....	5	23	34	Abbeville County.....		1	1
Pennsylvania:				Anderson County.....		8	
Adams County.....	1	2	1	Charleston County.....			4
Allegheny County.....	27	31	33	Cherokee County.....	4	2	
Armstrong County.....	2	2	2	Chester County.....		2	
Beaver County.....	2	3	13	Chesterfield County.....	2	1	1
Bedford County.....	4	6	3	Darlington County.....	2		1
Berks County.....	3	5	7	Edgefield County.....	1	1	
Blair County.....	1	22	6	Greenville County.....	20	31	14
Bradford County.....			1	Greenwood County.....	6	3	
Bucks County.....		11	11	Lexington County.....	2		
Butler County.....	2	6	4	Marlboro County.....		3	
Cambria County.....	1	12	23	Oconee County.....	7	5	
Center County.....	1	4	2	Orangeburg County.....		2	3
Chester County.....		9	8	Richland County.....	1	5	3
Clarion County.....			1	Saluda County.....	3		
Clearfield County.....	3	9	12	Spartanburg County.....		4	
Clinton County.....			2	Total.....	48	68	27
Columbia County.....		4	1	South Dakota:			
Cumberland County.....	2	3	2	Beadle County.....	1	1	1
Dauphin County.....	7	8	5	Butte County.....		1	1
Delaware County.....	2	12	17	Charles Mix County.....			1
Elk County.....	2	2	3	Davison County.....		1	
Erie County.....		6	10	Day County.....			1
Fayette County.....	6	6	22	Grant County.....			1
Franklin County.....	16	3	7	Hamlin County.....		1	
Fulton County.....			2	Hand County.....			1
Greene County.....	1	2	2	Hanson County.....		1	
Huntingdon County.....	5	2	8	Hutchinson County.....		1	
Indiana County.....		10	3	Kingsbury County.....	1		
Jefferson County.....	6	2	1	Lake County.....			3
Juniata County.....			1	McPherson County.....		3	1
Lackawanna County.....	3		1	Mellette County.....	2	2	
Lancaster County.....	9	4	14	Minnehaha County.....			1
Lawrence County.....	3	7	2	Roberts County.....		1	
Lebanon County.....		8	7	Sanborn County.....		1	
Lehigh County.....	3	2	4	Spink County.....		2	2
Luzerne County.....	3	9	5	Tripp County.....	4	1	
Lycoming County.....	2	2	4	Total.....	8	16	13
McKean County.....		2	6	Vermont:			
Mercer County.....	2	1	8	Bennington County.....		2	2
Mifflin County.....	1	10	21	Caledonia County.....			1
Monroe County.....			2	Chittenden County.....			1
Montgomery County.....	7	10	7	Franklin County.....	2		1
Montour County.....		1	1	Rutland County.....			1
Northampton County.....	2	5	5	Total.....	2	2	6
Northumberland County.....			27	Virginia:			
Perry County.....		3	1	Accomac County.....	13	22	13
Philadelphia County.....	24	31	56	Albemarle County.....	4	7	7
Schuylkill County.....	6	3	8	Allegheny County.....	3	8	4
Snyder County.....			3	Amelia County.....	5	2	1
Somerset County.....		13	7	Amherst County.....	3	2	1
Susquehanna County.....			5	Appomattox County.....	2	1	
Tioga County.....	1		2	Arlington County.....	1	1	2
Union County.....			2	Augusta County.....	4	8	2
Venango County.....			2	Bath County.....	1	3	
Warren County.....	1			Bedford County.....		4	
Washington County.....	7	15	13	Bland County.....	1	1	1
Wayne County.....	2	3	1	Botetourt County.....	4		
Westmoreland County.....	5	6	4	Brunswick County.....	7	3	
Wyoming County.....			1	Buchanan County.....	1	2	3
York County.....	5	3	9	Campbell County.....	4	9	12
Total.....	180	321	448				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Virginia—Continued.				Virginia—Continued.			14
Caroline County.....	3	6	5	Rockingham County.....	7	5	2
Carroll County.....	8	4	1	Russell County.....	10	4	8
Charlotte County.....	2	.....	.....	Scott County.....	3	9	11
Chesterfield County.....	.....	1	.....	Shenandoah County.....	1	3	9
Clarke County.....	.....	4	.....	Smyth County.....	1	6	.....
Culpeper County.....	2	.....	4	Southampton County.....	39	30	.....
Cumberland County.....	.....	2	2	Spotsylvania County.....	4	4	.....
Dickenson County.....	4	5	7	Stafford County.....	.....	.....	1
Dinwiddie County.....	4	7	.....	Surry County.....	.....	.....	3
Elizabeth City County.....	.....	.....	.....	Sussex County.....	1	.....	3
Essex County.....	3	3	2	Tazewell County.....	23	13	9
Fairfax County.....	.....	1	1	Warren County.....	.....	7	2
Fauquier County.....	1	1	2	Washington County.....	3	11	8
Fluvanna County.....	5	8	.....	Westmoreland County.....	.....	.....	.....
Floyd County.....	2	2	2	Wise County.....	6	4	2
Fluvanna County.....	2	.....	.....	Wythe County.....	1	.....	3
Franklin County.....	4	1	.....	York County.....	4	9	2
Frederick County.....	.....	1	2	Total.....	358	381	264
Giles County.....	3	1	1	Washington:			
Gloucester County.....	.....	.....	5	Asotin County.....	.....	2	.....
Goochland County.....	.....	2	2	Benton County.....	.....	.....	1
Grayson County.....	7	2	4	Chelan County.....	1	1	2
Greene County.....	2	5	3	Clarke County.....	.....	2	2
Greensville County.....	2	.....	4	Cowlitz County.....	.....	1	7
Halifax County.....	5	4	.....	Franklin County.....	.....	1	.....
Hanover County.....	1	3	4	Grant County.....	1	1	.....
Henrico County—	.....	.....	.....	Grays Harbor County.....	1	.....	.....
Richmond.....	5	21	10	King County.....	4	9	13
Scattering.....	2	.....	.....	Kitsap County.....	.....	.....	1
Henry County.....	1	27	2	Klickitat County.....	1	1	6
Isle of Wight County.....	15	.....	2	Lewis County.....	4	3	1
James City County.....	2	1	.....	Lincoln County.....	1	.....	.....
King and Queen County.....	2	3	1	Okanogan County.....	.....	1	6
King William County.....	2	2	1	Pacific County.....	.....	.....	3
Lancaster County.....	1	1	.....	Pierce County.....	3	10	9
Lee County.....	2	1	2	Skagit County.....	.....	3	2
Loudoun County.....	3	4	2	Snohomish County—	.....	.....	.....
Louisa County.....	4	2	2	Everett.....	6	58	9
Lunenburg County.....	4	1	2	Scattering.....	.....	5	3
Madison County.....	6	3	2	Spokane County.....	.....	2	7
Mathews County.....	1	.....	.....	Thurston County.....	.....	.....	1
Mecklenburg County.....	1	1	1	Walla Walla County.....	1	5	7
Middlesex County.....	6	1	2	Whatcom County.....	.....	1	1
Montgomery County.....	4	8	3	Whitman County.....	1	.....	.....
Nansemond County.....	3	5	5	Yakima County.....	9	2	14
Nelson County.....	1	1	.....	Total.....	33	108	96
New Kent County.....	1	.....	.....	West Virginia:			
Norfolk County—	.....	.....	.....	Barbour County.....	.....	3	8
Norfolk.....	16	9	3	Berkeley County.....	3	2	7
Portsmouth.....	17	6	2	Boone County.....	6	8	7
Scattering.....	11	4	3	Braxton County.....	1	6	10
Northampton County.....	3	3	9	Brooke County.....	.....	.....	4
Northumberland County.....	.....	1	.....	Cabell County.....	13	3	3
Nottoway County.....	.....	.....	2	Calhoun County.....	.....	1	3
Orange County.....	3	3	1	Clay County.....	.....	2	1
Page County.....	.....	.....	1	Doddridge County.....	.....	1	5
Patrick County.....	.....	4	.....	Fayette County.....	3	.....	3
Pittsylvania County.....	6	8	2	Gilmer County.....	.....	1	2
Powhatan County.....	1	.....	.....	Grant County.....	.....	.....	2
Prince Edward County.....	2	.....	1	Greenbrier County.....	2	.....	2
Prince George County.....	1	.....	.....	Hampshire County.....	2	3	1
Princess Anne County.....	5	1	4	Hancock County.....	.....	.....	1
Prince William County.....	1	.....	.....	Harrison County.....	2	6	1
Pulaski County.....	2	3	2	Jackson County.....	.....	2	5
Rappahannock County.....	.....	1	1	Jefferson County.....	1	.....	7
Roanoke County—	.....	.....	.....	Kanawha County.....	22	22	15
Roanoke.....	4	7	12	Lewis County.....	2	3	5
Scattering.....	2	4	2	Lincoln County.....	1	8	3
Rockbridge County.....	1	1	7				

STATE REPORTS FOR JULY, AUGUST, AND SEPTEMBER, 1923—Continued.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	July.	August.	Septem-ber.		July.	August.	Septem-ber.
West Virginia—Contd.				Wisconsin—Continued.			
Logan County.....		15	18	Jefferson County.....		1	
McDowell County.....		7	2	Kewaunee County.....	1		
Marion County.....	6	2	5	La Crosse County.....			1
Marshall County.....			4	Lafayette County.....	1		1
Mason County.....			10	Lincoln County.....			1
Mercer County.....	2	8		Manitowoc County.....	1		
Mineral County.....	2	2	2	Marathon County.....	2	8	7
Mingo County.....	7	13	4	Marinette County.....	3	1	
Monongalia County.....	5		6	Milwaukee County.....	2	3	3
Monroe County.....	1	1		Monroe County.....			1
Morgan County.....	2		1	Oneida County.....	2	5	
Nicholas County.....		8	7	Outagamie County.....		1	3
Ohio County.....	1	13	9	Price County.....		2	4
Pendleton County.....	5	1	1	Racine County.....		1	
Pocahontas County.....	5			Rock County.....	5	1	
Preston County.....	3	17	20	St. Croix County.....	1		
Putnam County.....	1	4	6	Sawyer County.....	1		
Raleigh County.....	6	3	2	Shawano County.....		1	
Randolph County.....	9	9		Trempealeau County.....	1		
Ritchie County.....	2		1	Vernon County.....		1	3
Roane County.....	4	11	16	Washington County.....	1	1	1
Summers County.....	4	8	30	Waupaca County.....	1	1	2
Taylor County.....		3	4	Winnebago County.....	2	1	2
Tucker County.....	11		6	Wood County.....		3	
Tyler County.....	1	1		Total.....	27	36	36
Upshur County.....		7	1	Wyoming:			
Wayne County.....	2		3	Big Horn County.....		2	1
Webster County.....	1	8	3	Campbell County.....		3	1
Wirt County.....		3	1	Fremont County.....		1	
Wood County.....		2	6	Hot Springs County.....	2		1
Wyoming County.....	2	4	7	Laramie County.....	1		
Total.....	140	221	270	Natrona County.....	2	2	6
Wisconsin:				Park County.....	1		1
Barron County.....	1		1	Sheridan County.....	3		
Brown County.....		2	3	Sweetwater County.....		1	
Crawford County.....			1	Washakie County.....			4
Door County.....			1	Total.....	9	9	14
Douglas County.....	1	2					
Forest County.....			1				
Green County.....	1	1					

TYPHUS FEVER.

Arkansas.....	2	4		District of Columbia.....		1	
California.....	2	2	1				

SUMMARY OF DISEASES.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	Aug.	Sept.		July.	Aug.	Sept.
Alabama:				Alabama—Continued.			
Cerebrospinal meningitis (epidemic).....			3	Measles.....	625	555	272
Chicken pox.....	25	27	26	Mumps.....	14	3	4
Dengue.....	12	19	9	Ophthalmia neonatorum.....	5		
Diphtheria.....	54	153	259	Pellagra.....	65	51	47
Dysentery.....	295	233	71	Pneumonia (all forms).....	71	81	44
Influenza.....	52	34	98	Poliomyelitis.....	3	10	2
Lethargic encephalitis.....	1	1		Scarlet fever.....	30	56	78
Malaria.....	634	1,644	1,444	Smallpox.....	3	8	5

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	Aug.	Sept.		July.	Aug.	Sept.
Alabama—Continued.				California—Continued.			
Tetanus.....	4			Scarlet fever.....	325	254	238
Tuberculosis (all forms).....	137	164	108	Smallpox.....	135	119	38
Typhoid fever.....	352	500	265	Tetanus.....	5	9	7
Whooping cough.....	218	166	132	Trachoma.....	5	12	32
Arizona:				Tuberculosis (all forms).....	573	827	650
Chicken pox.....	1	1	2	Typhoid fever.....	72	152	93
Diphtheria.....	9	32	9	Typhus fever.....	2	2	1
Leprosy.....	1			Whooping cough.....	340	313	166
Measles.....	10	8	10	Colorado:			
Mumps.....	2		1	Cerebrospinal meningitis (epidemic).....	1	3	1
Pneumonia (all forms).....	2	2	3	Chicken pox.....	51	18	30
Poliomyelitis.....	1			Diphtheria.....	159	145	193
Rabies.....			1	Impetigo contagiosa.....		1	1
Scarlet fever.....	12	9	20	Influenza.....			1
Smallpox.....	3			Measles.....	291	124	59
Trachoma.....		1	1	Mumps.....	48	11	48
Tuberculosis (all forms).....	66	195	114	Paratyphoid fever.....	1		3
Typhoid fever.....	6	6	10	Pneumonia (all forms).....	2	2	6
Whooping cough.....	12	2		Poliomyelitis.....		1	5
Arkansas:				Rabies.....	1		
Cerebrospinal meningitis (epidemic).....	3	3		Scarlet fever.....	62	44	62
Chicken pox.....	43	50	43	Septic sore throat.....			1
Dengue.....			6	Smallpox.....	2		
Diphtheria.....	9	21	39	Tuberculosis (all forms).....	412	361	232
Hookworm disease.....	6	6	7	Typhoid fever.....	42	67	103
Influenza.....	17	31	52	Whooping cough.....	110	93	39
Malaria.....	1,053	1,324	1,080	Connecticut:			
Measles.....	328	118	76	Cerebrospinal meningitis (epidemic).....	9	3	4
Mumps.....	19	9	111	Chicken pox.....	95	17	16
Ophthalmia neonatorum.....	1	2	1	Conjunctivitis (infectious).....	1	2	1
Paratyphoid fever.....	12	9	3	Diphtheria.....	127	125	115
Pellagra.....	152	54	76	Dysentery (amebic).....	1	1	1
Pneumonia (all forms).....		1		Dysentery (bacillary).....	3	5	7
Poliomyelitis.....	2	4	4	German measles.....	8	10	7
Scarlet fever.....	7	10	27	Influenza.....	1	7	4
Smallpox.....	31	5	17	Lethargic encephalitis.....	7	5	3
Trachoma.....	7	11	8	Malaria.....	12	9	8
Tuberculosis (all forms).....	105	55	52	Measles.....	258	113	28
Typhoid fever.....	169	162	138	Mumps.....	31	19	20
Typhus fever.....	2	4		Occupational diseases and disabilities.....		3	1
Whooping cough.....	284	134	142	Ophthalmia neonatorum.....	1		
California:				Paratyphoid fever.....	1	2	1
Anthrax.....	1	2	3	Pneumonia (lobar).....	32	22	24
Beriberi.....		1		Poliomyelitis.....	9	17	24
Cerebrospinal meningitis (epidemic).....	13	10	5	Scarlet fever.....	115	99	91
Chicken pox.....	311	145	126	Septic sore throat.....	3	5	3
Diphtheria.....	517	578	634	Smallpox.....		11	2
Dysentery (amebic).....	3	8	1	Trichinosis.....		4	
Dysentery (bacillary).....	12	30	1	Tuberculosis (pulmonary).....	132	132	120
German measles.....	22	16	7	Tuberculosis (all forms).....	143	148	134
Hookworm disease.....		2		Tetanus.....	3	3	4
Influenza.....	40	17	45	Typhoid fever.....	30	56	59
Jaundice (epidemic).....		3		Whooping cough.....	289	229	171
Leprosy.....	1	1		Delaware:			
Lethargic encephalitis.....	12	14	6	Anthrax.....	1		1
Malaria.....	21	26	29	Cerebrospinal meningitis (epidemic).....		1	
Measles.....	1,617	923	830	Chicken pox.....	1	2	5
Mumps.....	36	29	24	Diphtheria.....	5	8	9
Ophthalmia neonatorum.....	2	7	6	Influenza.....		3	
Paratyphoid fever.....		3	6	Malaria.....	4	7	4
Pellagra.....	4	3	2	Measles.....	9	7	5
Plague (human).....		1		Pneumonia (all forms).....	2	1	2
Pneumonia (lobar).....	185	193	170	Puerperal septicemia.....	1		
Poliomyelitis.....	8	23	40				
Rabies.....		1	1				
Rocky Mountain spotted or tick fever.....	1						

180 of these cases reported by Government hospitals.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Delaware—Continued.				Idaho:			
Scarlet fever.....	20	35	17	Chicken pox.....		2	.....
Tuberculosis (all forms).....	17	25	15	Diphtheria.....	1	6	33
Typhoid fever.....	4	24	17	Lethargic encephalitis.....		1	13
Whooping cough.....	5	8	1	Measles.....	12	10	23
District of Columbia:				Mumps.....	3	.....	.....
Cerebrospinal meningitis (epidemic).....	1	1	.....	Ophthalmia neonatorum.....		1	1
Chicken pox.....	47	9	5	Paratyphoid fever.....		.....	1
Diphtheria.....	11	14	26	Scarlet fever.....	3	12	16
Influenza.....		4	5	Smallpox.....	3	8	9
Leprosy.....	1	.....	.....	Trachoma.....		.....	2
Lethargic encephalitis.....	2	.....	1	Tuberculosis (pulmonary).....	6	13	9
Measles.....	73	11	7	Typhoid fever.....		28	22
Poliomyelitis.....		.....	3	Whooping cough.....	3	23	7
Scarlet fever.....	23	7	26	Illinois:			
Smallpox.....	1	2	19	Cerebrospinal meningitis (epidemic).....	8	12	3
Tuberculosis (pulmonary).....	122	109	92	Chicken pox.....	327	113	159
Tuberculosis (all forms).....	126	114	98	Continued fever.....		2	.....
Typhoid fever.....	12	20	20	Diphtheria.....	392	411	607
Typhus fever.....		1	.....	Dysentery.....	135	260	282
Whooping cough.....	96	34	32	German measles.....	13	5	9
Florida:				Influenza.....	28	11	43
Anthrax.....		2	.....	Lethargic encephalitis.....	4	7	5
Cerebrospinal meningitis (epidemic).....		5	3	Malaria.....	11	14	10
Chicken pox.....		5	.....	Measles.....	1,420	306	125
Dengue.....	3	3	1	Mumps.....	247	110	123
Diphtheria.....	21	43	48	Occupational diseases and disabilities.....	12	31	14
Dysentery.....	1	11	5	Ophthalmia neonatorum.....	27	38	33
German measles.....		1	.....	Paratyphoid fever.....	5	3	1
Hookworm disease.....	54	112	70	Pellagra.....	1	.....	.....
Influenza.....		29	9	Pneumonia (all forms).....	388	330	471
Leprosy.....	1	.....	.....	Poliomyelitis.....	11	37	54
Lethargic encephalitis.....		1	.....	Puerperal septicemia.....	4	4	4
Malaria.....	52	139	145	Scarlet fever.....	241	227	444
Measles.....	101	69	79	Septic sore throat.....	3	4	3
Mumps.....	1	2	1	Smallpox.....	39	24	9
Ophthalmia neonatorum.....	2	.....	1	Tetanus.....	7	6	11
Paratyphoid fever.....		.....	1	Trachoma.....	3	7	3
Pellagra.....	4	16	7	Trichinosis.....		6	.....
Pneumonia (all forms).....	2	73	39	Tuberculosis (all forms).....	1,151	1,122	1,096
Poliomyelitis.....		2	2	Typhoid fever.....	99	233	320
Scarlet fever.....	4	4	1	Whooping cough.....	953	694	490
Smallpox.....	7	1	.....	Indiana:			
Tetanus.....		13	5	Cerebrospinal meningitis (epidemic).....		.....	4
Tuberculosis (all forms).....	35	158	75	Diphtheria.....	64	111	269
Typhoid fever.....	31	64	36	Influenza.....	8	18	30
Whooping cough.....	24	24	25	Measles.....	498	145	96
Hawaii:				Pneumonia (all forms).....	3	2	2
Cerebrospinal meningitis (epidemic).....		1	.....	Poliomyelitis.....	1	1	5
Chicken pox.....	6	2	4	Scarlet fever.....	75	76	166
Conjunctivitis (follicular).....		1	.....	Smallpox.....	97	42	59
Diphtheria.....	24	8	11	Tuberculosis (all forms).....	192	154	143
Dysentery (amebic).....	1	.....	2	Typhoid fever.....	35	60	137
Influenza.....	154	205	134	Iowa:			
Leprosy.....	4	5	5	Cerebrospinal meningitis (epidemic).....		.....	1
Measles.....	11	9	13	Chicken pox.....	5	1	9
Plague.....		.....	1	Diphtheria.....	58	74	170
Scarlet fever.....	6	1	.....	Influenza.....	1	.....	.....
Tetanus.....		3	1	Measles.....	60	10	5
Trachoma.....		3	7	Mumps.....	3	.....	3
Tuberculosis (all forms).....	87	58	83	Pneumonia (all forms).....	1	2	.....
Typhoid fever.....	17	22	15	Poliomyelitis.....		22	24
Whooping cough.....	14	4	7	Scarlet fever.....	61	78	125
				Smallpox.....	22	14	13
				Tuberculosis (all forms).....	6	14	.....

* Deaths.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Iowa—Continued.				Maryland—Continued.			
Typhoid fever [*]	8	25	18	Diphtheria.....	86	112	129
Whooping cough.....	70	14	9	Dysentery.....	59	77	41
Kansas:				German measles.....	2	2	2
Actinomycosis.....	1			Impetigo contagiosa.....			2
Cerebrospinal meningitis (epidemic).....		4	3	Influenza.....	6	18	9
Chicken pox.....	40	5	53	Lethargic encephalitis.....	1	1	2
Continued fever.....	1			Malaria.....	44	33	29
Diphtheria.....	89	103	190	Measles.....	695	198	85
Dysentery (bacillary).....	1	2	2	Mumps.....	39	18	14
German measles.....			2	Ophthalmia neonatorum.....	3	3	3
Influenza.....	1	10	2	Pellagra.....			1
Lethargic encephalitis.....		5	2	Pneumonia (all forms).....	91	76	95
Malaria.....		13	3	Polio-myelitis.....	1	2	1
Measles.....	435	123	111	Rabies in animals.....			3
Mumps.....	38	26	24	Scarlet fever.....	114	128	112
Ophthalmia neonatorum.....	1			Septic sore throat.....	3		3
Pellagra.....	1			Smallpox.....		1	7
Pneumonia (all forms).....	9	18	13	Tetanus.....	2	5	2
Polio-myelitis.....	8	70	29	Tuberculosis (all forms).....	285	206	193
Scarlet fever.....	90	174	248	Typhoid fever.....	114	275	226
Septic sore throat.....	2			Vincent's angina.....	1	2	1
Smallpox.....	17	9	27	Whooping cough.....	388	264	196
Tetanus.....	4		2	Massachusetts:			
Tuberculosis (all forms).....	184	154	79	Actinomycosis.....	1		1
Typhoid fever.....	108	223	146	Anthrax.....			
Whooping cough.....	419	205	142	Cerebrospinal meningitis (epidemic).....	11	10	10
Louisiana:				Chicken pox.....	377	116	137
Beriberi.....	1			Conjunctivitis (suppurative).....	47	44	
Cerebrospinal meningitis (epidemic).....	2		2	Diphtheria.....	486	564	612
Chicken pox.....	1			Dysentery.....		1	
Dengue.....	9	58	91	German measles.....	20	14	9
Diphtheria.....	44	95	81	Hookworm disease.....	1		3
Dysentery.....	8	2		Influenza.....	3	11	14
Hookworm disease.....	31	19	60	Lethargic encephalitis.....	8	12	8
Influenza.....	2	4	24	Malaria.....	3	3	2
Leprosy.....		1	6	Measles.....	1,035	271	165
Lethargic encephalitis.....	1		1	Mumps.....	270	101	108
Malaria.....	118	78	119	Occupational diseases and disabilities.....	14	4	2
Measles.....	138	30	21	Ophthalmia neonatorum.....	77	70	120
Mumps.....	1			Pellagra.....	5	2	1
Ophthalmia neonatorum.....	1	2		Pneumonia (lobar).....	92	80	110
Pellagra.....	32	10	4	Polio-myelitis.....	8	26	38
Pneumonia (all forms).....	50	41	65	Rabies.....			1
Polio-myelitis.....	3	2	3	Scarlet fever.....	441	282	312
Scarlet fever.....	2	15	10	Septic sore throat.....	6	9	4
Smallpox.....	13	7	26	Smallpox.....	2		
Tuberculosis (all forms).....	107	113	109	Tetanus.....	6	3	3
Typhoid fever.....	102	127	89	Trachoma.....	9	3	5
Whooping cough.....	54	32	19	Trichinosis.....		2	1
Maine:				Tuberculosis (all forms).....	601	499	553
Chicken pox.....	30	9	32	Typhoid fever.....	58	64	98
Diphtheria.....	20	23	33	Whooping cough.....	472	375	341
German measles.....	4		1	Michigan:			
Measles.....	302	148	128	Chicken pox.....	199	43	46
Mumps.....	1		4	Diphtheria.....	371	419	600
Paratyphoid fever.....		1	1	Malaria.....		3	4
Pneumonia.....	9	5	6	Measles.....	2,027	357	222
Polio-myelitis.....		2	2	Mumps.....	72	22	24
Scarlet fever.....	42	74	53	Pellagra.....	2		
Smallpox.....		3		Pneumonia (all forms).....	209	130	170
Tuberculosis (all forms).....	20	61	42	Polio-myelitis.....	3	7	7
Typhoid fever.....	14	22	27	Scarlet fever.....	453	363	539
Whooping cough.....	94	56	162	Smallpox.....	118	51	78
Maryland:				Streptococcal sore throat.....	9		
Anthrax.....	1			Tuberculosis (all forms).....	759	411	353
Cerebrospinal meningitis (epidemic).....	2	1	1	Typhoid fever.....	77	106	160
Chicken pox.....	65	15	24	Whooping cough.....	821	574	250

* Typhoid fever is not required by law to be reported in Iowa.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Minnesota:				Nebraska—Continued.			
Cerebrospinal meningitis (epidemic).....	2	.....	.....	Malaria.....	.....	1	.....
Chicken pox.....	54	26	85	Measles.....	35	14	35
Diphtheria.....	205	245	460	Mumps.....	26	7	5
Influenza.....	3	3	2	Pneumonia (all forms).....	1	.....	.....
Leprosy.....	.....	1	.....	Poliomyelitis.....	3	39	32
Lethargic encephalitis.....	2	.....	2	Scarlet fever.....	33	39	111
Malaria.....	.....	1	.....	Septic sore throat.....	2	1	6
Measles.....	327	81	337	Smallpox.....	.....	5	3
Pneumonia (all forms).....	10	6	12	Tetanus.....	1	.....	.....
Poliomyelitis.....	4	15	17	Tuberculosis (pulmonary).....	24	.....	10
Scarlet fever.....	367	396	738	Tuberculosis (all forms).....	.....	13	.....
Smallpox.....	80	43	34	Typhoid fever.....	24	6	4
Tetanus.....	.....	2	.....	Whooping cough.....	42	44	47
Trachoma.....	1	.....	7	New Jersey:			
Tuberculosis (all forms).....	301	348	263	Anthrax.....	1	.....	.....
Typhoid fever.....	31	65	67	Cerebrospinal meningitis (epidemic).....	6	10	6
Whooping cough.....	117	92	80	Chicken pox.....	202	49	59
Mississippi:				Diphtheria.....	291	268	348
Anthrax in man.....	1	.....	4	Dysentery.....	4	.....	3
Chicken pox.....	178	151	175	German measles.....	15	9	6
Dengue.....	14	8	8	Influenza.....	7	15	28
Diphtheria.....	60	137	348	Malaria.....	18	8	3
Dysentery (amoebic).....	48	25	7	Measles.....	645	110	88
Dysentery (bacillary).....	1,824	660	513	Occupational diseases and disabilities.....	.....	1	3
Hookworm disease.....	302	385	319	Ophthalmia neonatorum.....	5	5	1
Influenza.....	80	168	175	Paratyphoid fever.....	2	4	1
Malaria.....	13,287	17,141	16,336	Pneumonia (all forms).....	109	126	109
Measles.....	664	407	250	Poliomyelitis.....	13	43	39
Mumps.....	88	39	70	Rabies (in man).....	.....	1	.....
Ophthalmia neonatorum.....	13	16	20	Scarlet fever.....	114	84	108
Pellagra.....	880	608	416	Smallpox.....	17	.....	1
Pneumonia (all forms).....	188	248	236	Trachoma.....	2	1	2
Poliomyelitis.....	4	1	3	Tuberculosis (all forms).....	476	383	403
Puerperal septicemia.....	32	49	36	Typhoid fever.....	53	96	100
Rabies in animals.....	6	12	15	Whooping cough.....	372	271	169
Rabies in man.....	1	.....	2	New Mexico:			
Scarlet fever.....	14	24	73	Chicken pox.....	2	2	.....
Smallpox.....	22	10	7	Conjunctivitis (acute).....	.....	2	6
Trachoma.....	5	4	2	Diphtheria.....	84	81	67
Tuberculosis (all forms).....	265	248	219	Dysentery.....	.....	3	5
Typhoid fever.....	327	320	241	Influenza.....	.....	1	1
Whooping cough.....	1,060	736	736	Lethargic encephalitis.....	1	.....	.....
Montana:				Malaria.....	1	7	.....
Actinomycosis.....	1	.....	.....	Measles.....	45	28	22
Cerebrospinal meningitis (epidemic).....	.....	2	2	Mumps.....	2	1	3
Chicken pox.....	29	7	35	Pellagra.....	.....	.....	1
Diphtheria.....	11	32	35	Pneumonia (all forms).....	5	1	4
Dysentery.....	.....	1	.....	Poliomyelitis.....	.....	.....	1
German measles.....	.....	1	.....	Puerperal septicemia.....	1	.....	.....
Influenza.....	.....	4	4	Rabies (in animals).....	3	.....	1
Lethargic encephalitis.....	.....	.....	3	Scarlet fever.....	1	7	17
Measles.....	49	24	153	Septic sore throat.....	.....	2	1
Mumps.....	.....	.....	3	Smallpox.....	.....	3	.....
Pneumonia (all forms).....	3	4	6	Trachoma.....	3	1	48
Poliomyelitis.....	.....	3	5	Tuberculosis (all forms).....	39	51	72
Rabies (in man).....	1	.....	.....	Typhoid fever.....	31	60	75
Rocky Mountain spotted or tick fever.....	4	2	1	Whooping cough.....	6	12	16
Scarlet fever.....	37	28	31	New York:			
Septic sore throat.....	4	.....	1	Anthrax.....	.....	.....	1
Smallpox.....	21	11	32	Cerebrospinal meningitis (epidemic).....	14	16	25
Tuberculosis (all forms).....	20	31	32	Chicken pox.....	849	297	234
Typhoid fever.....	19	15	34	Diphtheria.....	959	660	788
Whooping cough.....	12	18	25	Dysentery.....	5	1	4
Nebraska:				German measles.....	102	44	28
Chicken pox.....	10	.....	25	Influenza.....	27	37	63
Diphtheria.....	28	83	66	Lethargic encephalitis.....	40	50	23
Influenza.....	32	1	7	Malaria.....	29	45	27
Lethargic encephalitis.....	1	.....	.....	Measles.....	4,866	1,164	627
				Mumps.....	473	184	165

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
New York—Continued.				Oklahoma:			
Ophthalmia neonatorum.....	5	1	.....	Cerebrospinal meningitis (epidemic).....	.....	1	1
Paratyphoid fever.....	6	9	8	Diphtheria.....	22	28	33
Pneumonia (all forms).....	793	596	709	Dysentery.....	27	29	14
Poliomyelitis.....	127	231	196	Influenza.....	13	2	.....
Puerperal septicemia.....	8	6	2	Malaria.....	10	16	8
Scarlet fever.....	685	425	527	Measles.....	45	52	5
Septic sore throat.....	18	11	7	Pellagra.....	.....	3	1
Smallpox.....	56	25	7	Pneumonia (all forms).....	.....	5	.....
Tetanus.....	25	9	15	Poliomyelitis.....	.....	2	1
Trachoma.....	14	1	.....	Puerperal septicemia.....	.....	3	.....
Tuberculosis (all forms).....	2,081	1,855	1,544	Rabies.....	.....	1	.....
Typhoid fever.....	181	383	409	Scarlet fever.....	21	20	45
Vincent's angina.....	15	12	14	Smallpox.....	30	10	6
Whooping cough.....	1,237	1,130	975	Trachoma.....	.....	3	.....
North Carolina:				Tuberculosis (all forms).....	.....	29	.....
Cerebrospinal meningitis (epidemic).....	4	3	2	Typhoid fever.....	121	164	48
Chicken pox.....	63	27	44	Whooping cough.....	15	9	.....
Diphtheria.....	144	311	817	Oregon:			
German measles.....	4	2	11	Chicken pox.....	32	13	18
Measles.....	1,754	699	510	Diphtheria.....	27	36	57
Ophthalmia neonatorum.....	2	.....	.....	Influenza.....	2	.....	.....
Poliomyelitis.....	2	2	2	Malaria.....	.....	14	1
Scarlet fever.....	51	135	288	Measles.....	22	14	46
Septic sore throat.....	10	3	23	Mumps.....	10	5	4
Smallpox.....	118	88	52	Pneumonia (all forms).....	.....	.....	1
Trachoma.....	2	1	1	Poliomyelitis.....	.....	.....	1
Typhoid fever.....	461	342	206	Rocky Mountain spotted or tick fever.....	5	.....	.....
Whooping cough.....	1,419	867	921	Scarlet fever.....	39	48	60
North Dakota:				Septic sore throat.....	.....	.....	2
Chicken pox.....	26	9	6	Smallpox.....	62	36	20
Diphtheria.....	10	51	37	Tuberculosis (all forms).....	44	47	23
Lethargic encephalitis.....	.....	1	.....	Typhoid fever.....	5	23	34
Measles.....	144	97	57	Whooping cough.....	32	15	17
Mumps.....	1	.....	.....	Pennsylvania:			
Pneumonia (all forms).....	6	5	5	Anthrax.....	.....	2	.....
Poliomyelitis.....	.....	5	3	Cerebrospinal meningitis (epidemic).....	11	14	7
Scarlet fever.....	26	62	49	Chicken pox.....	442	153	223
Smallpox.....	12	22	5	Diphtheria.....	707	786	1,132
Trachoma.....	2	7	.....	German measles.....	21	9	16
Tuberculosis (all forms).....	11	14	17	Impetigo.....	21	7	92
Typhoid fever.....	3	19	31	Lethargic encephalitis.....	16	1	5
Whooping cough.....	12	29	30	Malaria.....	3	3	1
Ohio:				Measles.....	1,615	400	459
Anthrax.....	1	1	.....	Mumps.....	133	102	104
Cerebrospinal meningitis (epidemic).....	6	1	2	Ophthalmia.....	5	4	15
Chicken pox.....	318	78	160	Pellagra.....	1	1	.....
Diarrhea and enteritis (under 2 years).....	5	53	27	Pneumonia (lobar).....	159	169	179
Diphtheria.....	382	526	823	Poliomyelitis.....	5	23	49
Dysentery.....	2	3	3	Puerperal fever.....	9	3	3
German measles.....	16	5	2	Scabies.....	1	1	28
Influenza.....	4	6	7	Scarlet fever.....	424	416	722
Lethargic encephalitis.....	6	2	.....	Smallpox.....	22	6	.....
Malaria.....	4	5	.....	Tetanus.....	.....	5	5
Measles.....	960	283	99	Trachoma.....	7	2	7
Mumps.....	49	26	28	Tuberculosis (all forms).....	552	459	454
Occupational diseases and disabilities.....	48	39	35	Typhoid fever.....	180	321	448
Ophthalmia neonatorum.....	133	155	149	Whooping cough.....	1,309	1,040	997
Paratyphoid fever.....	4	7	5	Rhode Island:			
Pneumonia (all forms).....	109	137	123	Anthrax.....	1	.....	1
Poliomyelitis.....	9	10	18	Cerebrospinal meningitis (epidemic).....	.....	1	1
Puerperal septicemia.....	1	1	1	Chicken pox.....	10	2	3
Scarlet fever.....	442	469	744	Diphtheria.....	43	43	43
Septic sore throat.....	27	24	40	Dysentery.....	1	.....	1
Smallpox.....	124	46	40	Influenza.....	.....	.....	1
Tetanus.....	7	4	2	Malaria.....	1	.....	.....
Trachoma.....	14	12	3	Measles.....	63	9	20
Tuberculosis (all forms).....	610	582	463	Mumps.....	9	2	1
Typhoid fever.....	223	315	353	Ophthalmia neonatorum.....	.....	3	1
Whooping cough.....	1,096	790	493	Paratyphoid fever.....	.....	1	.....
				Pneumonia (all forms).....	5	.....	2

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	August.	September.		July.	August.	September.
Rhode Island—Con.				Virginia—Continued.			
Poliomyelitis.....	2	2	.....	Malaria.....	376	546	430
Scarlet fever.....	27	13	25	Measles.....	1,680	836	462
Septic sore throat.....		1	.....	Pellagra.....	29	13	33
Tetanus.....		3	.....	Poliomyelitis.....	57	20	10
Tuberculosis (pulmonary).....	48	36	33	Scarlet fever.....	72	160	214
Tuberculosis (all forms).....	57	6	43	Smallpox.....	23	3	15
Typhoid fever.....	7	38	.....	Tuberculosis (all forms).....	179	97	130
Whooping cough.....	25	10	6	Typhoid fever.....	358	381	264
South Carolina:		2		Whooping cough.....	785	631	578
Cerebrospinal meningitis (epidemic).....		1	.....	Washington:			
Diphtheria.....	99	193	231	Cerebrospinal meningitis (epidemic).....		1	2
Dysentery.....	7	4	.....	Chicken pox.....	69	51	28
Hookworm disease.....	3	15	3	Diphtheria.....	77	77	84
Influenza.....			5	Dysentery.....		4	4
Malaria.....	32	44	9	German measles.....	4	13	3
Measles.....	62	40	33	Impetigo contagiosa.....	1	.....	5
Mumps.....	3	12	10	Influenza.....			1
Ophthalmia neonatorum.....		10	.....	Lethargic encephalitis.....		2	.....
Paratyphoid fever.....		3	.....	Malaria.....			1
Pellagra.....	1	4	1	Measles.....	177	61	52
Poliomyelitis.....		1	.....	Mumps.....	34	14	12
Scarlet fever.....	3	13	15	Pneumonia (all forms).....		2	12
Septic sore throat.....		17	.....	Poliomyelitis.....	1	7	5
Smallpox.....	7	8	8	Scarlet fever.....	75	95	136
Tuberculosis (all forms).....	8	15	4	Smallpox.....	67	68	20
Typhoid fever.....	48	68	27	Septic sore throat.....		1	.....
Whooping cough.....	28	63	35	Tuberculosis (all forms).....	137	171	111
South Dakota:		4		Typhoid fever.....	33	108	96
Anthrax.....			1	Vincent's angina.....		1	.....
Cerebrospinal meningitis (epidemic).....	1		2	Whooping cough.....	233	192	59
Chicken pox.....	16	5	11	West Virginia:			
Diphtheria.....	32	24	58	Cerebrospinal meningitis (epidemic).....	9	2	.....
Influenza.....		2	.....	Chicken pox.....		6	30
Measles.....	159	70	46	Diphtheria.....	55	76	273
Mumps.....		1	.....	German measles.....	10	11	.....
Pneumonia (all forms).....	6	5	2	Influenza.....	18	13	23
Poliomyelitis.....	5	3	6	Measles.....	436	94	88
Scarlet fever.....	50	66	123	Poliomyelitis.....	7	10	2
Smallpox.....	3	1	38	Scarlet fever.....	89	113	265
Tetanus.....	1	1	.....	Smallpox.....	8	4	2
Trachoma.....	1	1	2	Tuberculosis.....	140	37	44
Trichinosis.....	2		.....	Typhoid fever.....	140	221	270
Tuberculosis (all forms).....	26	19	18	Whooping cough.....	250	173	257
Typhoid fever.....	8	16	13	Wisconsin:			
Whooping cough.....	10	15	23	Cerebrospinal meningitis (epidemic).....	4	5	6
Vermont:				Chicken pox.....	208	51	88
Chicken pox.....	28	35	24	Diphtheria.....	255	211	238
Diphtheria.....	15	9	24	German measles.....	4	.....	3
Measles.....	483	159	126	Influenza.....	26	16	20
Mumps.....	33	36	22	Lethargic encephalitis.....	2	2	1
Pneumonia (all forms).....	1	1	.....	Measles.....	1,360	283	140
Poliomyelitis.....	1	9	11	Mumps.....	6	2	5
Scarlet fever.....	29	25	36	Ophthalmia neonatorum.....	3	.....	2
Septic sore throat.....		9	.....	Pneumonia (all forms).....	15	8	20
Smallpox.....	22	14	7	Poliomyelitis.....	4	9	8
Tuberculosis (pulmonary).....	16	34	25	Scarlet fever.....	448	234	285
Typhoid fever.....	2	2	6	Smallpox.....	67	31	31
Whooping cough.....	103	151	194	Tuberculosis (all forms).....	235	136	158
Virginia:				Typhoid fever.....	27	36	36
Cerebrospinal meningitis (epidemic).....	7	12	10	Whooping cough.....	654	517	393
Chicken pox.....	89	65	73	Wyoming:			
Diarrhea.....	2,421	1,435	698	Cerebrospinal meningitis (epidemic).....		1	.....
Diphtheria.....	95	181	499	Chicken pox.....	2	.....	7
Dysentery.....	1,553	789	326	Diphtheria.....	1	1	5
Hookworm disease.....	32	28	10	Dysentery.....		2	1
Influenza.....	140	3,033	431	Measles.....	95	41	23

*2,707 cases reported as "Dabney's grip."

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	July.	August.	Sep-tember.		July.	August.	Sep-tember.
Wyoming—Continued.				Wyoming—Continued.			
Mumps.....			2	Scarlet fever.....	10	7	10
Paratyphoid fever.....			2	Smallpox.....	3		
Pink eye.....			4	Tuberculosis (all forms).....	4	4	2
Pneumonia (all forms).....	1	1	4	Typhoid fever.....	9	9	14
Polio-myelitis.....	1	1		Whooping cough.....	4	13	11
Rocky Mountain spotted or tick fever.....	2	1					

MAINE REPORT FOR JUNE, 1923 (DELAYED).

	New cases reported.		New cases reported.
Cerebrospinal meningitis (epidemic):		Tuberculosis.....	38
York County.....	1	Typhoid fever:	
Chicken pox.....	52	Androscoggin County.....	2
Diphtheria.....	32	Aroostook County.....	15
German measles.....	78	Cumberland County.....	6
Measles.....	906	Hancock County.....	2
Mumps.....	2	Penobscot County.....	3
Pneumonia.....	31	Waldo County.....	1
Scarlet fever.....	98	York County.....	4
Smallpox:		Total.....	33
Androscoggin County.....	1	Whooping cough.....	75
Oxford County.....	7		
Washington County.....	2		
Total.....	10		

OKLAHOMA REPORT FOR JUNE, 1923 (DELAYED).

	New cases reported.		New cases reported.
Cerebrospinal meningitis (epidemic):		Smallpox—Continued.	
Mayes County.....	1	Pawnee County.....	6
Diphtheria.....	16	Rogers County.....	1
Dysentery.....	28	Texas County.....	10
Influenza.....	30	Tillman County.....	21
Malaria:		Wagoner County.....	3
Mayes County.....	9	Washita County.....	1
Tillman County.....	1	Total.....	90
Total.....	10	Typhoid fever:	
Measles.....	215	Blaine County.....	1
Pellagra:		Carter County.....	16
Carter County.....	3	Choctaw County.....	3
Choctaw County.....	1	Cimarron County.....	1
McIntosh County.....	3	Comanche County.....	1
Total.....	7	Ellis County.....	1
Scarlet fever.....	34	Garfield County.....	6
Smallpox:		Grady County.....	5
Bryan County.....	1	Le Flore County.....	4
Carter County.....	6	McIntosh County.....	1
Choctaw County.....	3	Mayes County.....	3
Garfield County.....	8	Noble County.....	1
Grady County.....	4	Oklahoma County.....	1
Johnston County.....	8	Pottawatomie County.....	1
Le Flore County.....	3	Rogers County.....	2
Major County.....	6	Tillman County.....	1
Marshall County.....	5	Woods County.....	7
Noble County.....	2	Total.....	55
		Whooping cough.....	47

FOREIGN AND INSULAR.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	November 21-30, 1923.		Remaining under treatment November 30, 1923.
	New cases.	Deaths.	
Diphtheria.....	5	1	4
Leprosy.....			15
Malaria.....	28	2	131
Measles.....	1		2
Paratyphoid fever.....			1
Scarlet fever.....			1
Typhoid fever.....	16	2	133

¹ From the interior, 23; from abroad, 1.

² From the interior, 19.

EGYPT.

Status of Plague.

Plague has been reported in Egypt as follows:

October 1-7, 1923—13 cases, of which 2 occurred at Alexandria, 3 at Suez, the remaining cases being distributed in three districts. October 8-14, 1923—16 cases, of which 2 occurred at Alexandria, 1 at Suez, and 13 in three districts. October 22-28, 1923—6 cases, of which 2 occurred at Alexandria, 1 at Suez, and 3 were distributed in two districts. October 29-November 4, 1923—17 cases, 1 each occurring at Alexandria and Suez, the remaining cases being distributed in three districts, the greatest number of cases having been notified in the district of Luxor, viz, 12. The total number of cases reported from January 1 to November 4, 1923, was 1,413, as compared with 459 cases reported during the corresponding period of the preceding year.

JAVA.

Plague—Smallpox.

Epidemic plague and smallpox have been reported in the island of Java as follows: October 3, 1923—at Kepoh, Residency of Soerakarta, epidemic plague; October 19, 1923, at Soerabaya City, epidemic smallpox. The municipal health department was stated to have offered free vaccination to all natives.

MALTA.**Communicable Diseases—October, 1923.**

Communicable diseases were reported in the Island of Malta during the month of October, 1923, as follows: Influenza, 2 cases; malaria (imported), 2 cases; pneumonia, 7 cases, with bronchopneumonia, 4 cases; trachoma, 229 cases; undulant fever, 80 cases; whooping cough, 208 cases. Population, 218,510.

POLAND.**Communicable Diseases—Sept. 16-22, 1923.**

Communicable diseases have been notified in Poland as follows:

Disease.	Cases.	Deaths.	Districts showing greatest number of deaths.
Cerebrospinal meningitis.....	10	5	Former Russian Poland.
Diphtheria.....	91	7	Posen.
Measles.....	213	14	Lodz.
Scarlet fever.....	414	33	Do.
Tuberculosis.....	67	140	Lwow.
Typhoid fever.....	344	27	Lodz; Lwow.
Typhus fever.....	43	4	Former Russian Poland.
Typhus fever, recurrent.....	4	.....	.....
Whooping cough.....	75	7	Do.

Dysentery—Rabies.

During the period September 16 to 22, 1923, 361 cases of dysentery with 42 deaths, area of greatest mortality, Lwow district, and 1 death from rabies occurring in Nowogrodek district, were reported in Poland.

UNION OF SOUTH AFRICA.**Plague—Cape Province.¹**

During the week ended October 27, 1923, a contact case of plague developed at Braklaagte Farm, 11 miles from Haarhoff's Kraal, where the occurrence of three cases of plague was reported October 18, 1923. The case at Braklaagte Farm developed in a member of the family of an infected native at Haarhoff's Kraal, and terminated fatally October 26, 1923. Investigation of the outbreak of plague shows the occurrence of two fatal cases among natives at Helpekaar Farm, about five miles from Haarhoff's Kraal on September 1 and 13 last. One of the cases occurring at Haarhoff's Kraal was found to have attended the funeral of the second case at Helpekaar, and to have spent two days at that place.

¹ Public Health Reports, Dec. 7, 1923, p. 2915.

Plague Infection in Wild Rodents.

Survey of the Union as regards veld rodents and plague shows that plague infection exists or has recently existed among veld rodents in a number of districts and localities in the Cape Province, Orange Free State, and the Transvaal.

Smallpox—Typhus Fever—September, 1923.

Smallpox and typhus fever were reported in the Union of South Africa during the month of September, 1923, as follows: Smallpox: Cases 40; deaths, 1, occurring among the native population. Typhus fever: Cases occurring in the native (colored) population, 316; deaths, 94; occurring in the white population, cases, 5; deaths, 1. For distribution of occurrence according to States see pages 3099-3100.

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 list of countries included or the figures for the particular countries for which reports are given.

Reports Received During Week Ended December 21, 1923.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Sept. 23-29, 1923: Cases, 1,063; deaths, 639.
Madras.....	Oct. 28-Nov. 3....	1	1	
Philippine Islands: Province— Davao.....	July 1-14.....	3	1	

PLAGUE.

Brazil:				
Bahia.....	Oct. 28-Nov. 3....	2	1	
Ceylon:				
Colombo.....	Oct. 21-27.....	3	1	Plague rodents, 4.
Ecuador:				
Ambato.....	Oct. 16-31.....	8	4	Actual date, Oct. 1-15, 1923.
Chongon.....	do.....	2		
Guayaquil.....	do.....	1		Rats taken: 18,590; found infected 35.
Jipijapa (Manabi).....	do.....			Present.
Zozoranga (Loja).....	do.....			Present; county district.
Egypt.....				Jan. 1-Nov. 8, 1923: Cases, 1,416; deaths, 687.
City—				
Alexandria.....	Oct. 1-Nov. 4....	7		
Suez.....	do.....	6		
India.....				Sept. 23-29, 1923: Cases, 7,258; deaths, 4,747.
Bombay.....	Oct. 14-20.....	3	3	
Karachi.....	Oct. 28-Nov. 3....	2	1	
Rangoon.....	Oct. 14-20.....	2		
Java:				
East Java— Kepoh.....	Oct. 3.....			Epidemic.
Siam:				
Bangkok.....	Oct. 14-27.....	2	2	
Union of South Africa:				
Cape Province— Braklaagte Farm.....	Oct. 26.....	1	1	In contact with case at Haarloff's Kraal.

¹ 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 December 21, 1923—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Porto Alegre.....	Nov. 4-10.....		1	
Canada:				
British Columbia— Vancouver.....	Nov. 11-Dec. 1....	3		
China:				
Amoy.....	Nov. 4-10.....		1	
Chungking.....	Oct. 21-Nov. 3....			Present.
Shanghai.....	Nov. 5-11.....	4	1	Cases, fore:gn; deaths, Chinese.
Chosen (Korea):				
Fusan.....	Oct. 1-31.....	1		
Ecuador:				
Latacunga.....	Oct. 16-31.....			Present.
India:				Sept. 23-29, 1923: Cases, 516; deaths, 134.
Bombay.....	Oct. 14-20.....	2	1	
Madras.....	Oct. 28-Nov. 3....	3		
Rangoon.....	Oct. 14-20.....	3		
Iraq (Mesopotamia):				
Bagdad.....	Oct. 9-16.....	1		
Japan:				
Kobe.....	Nov. 9-16.....	1		
Java:				
East Java— Soerabaya.....	Oct. 7-20.....	129	9	Oct. 19: Reported epidemic.
West Java— Batavia.....	Oct. 19-26.....	13	1	City and Province.
Mexico:				
Mexico City.....	Nov. 4-10.....	4		Including municipalities in Federal district.
Portugal:				
Oporto.....	Nov. 18-24.....	25	15	
Siam:				
Bangkok.....	Oct. 14-27.....	31	19	
Spain:				
Valencia.....	Nov. 18-24.....	34	1	
Tunis:				
Tunis.....	Nov. 19-25.....		1	
Union of South Africa:				
Cape Province.....				Sept. 1-30, 1923: Cases, 40; deaths 1 (colored).
Natal.....	Oct. 21-27.....			Sept. 1-30, 1923: Cases, 34 (colored).
Orange Free State.....				Outbreaks. Sept. 1-30, 1923: Cases, 5; deaths, 1.
Do.....	Oct. 14-20.....			Outbreaks.
Transvaal.....				Sept. 1-30, 1923: Cases, 1.
Do.....	Oct. 21-27.....			Outbreaks.

TYPHUS FEVER.

Bulgaria:				
Sofia.....	Oct. 14-Nov. 3....	3		Paratyphus fever, Oct. 14-Nov. 17, 1923: Cases, 39.
Mexico:				
Mexico City.....	Nov. 4-10.....	15		Including municipalities in Federal district.
Palestine:				
Jaffa.....	Nov. 6-12.....	3		
Persia:				
Teheran.....	Aug. 24-Sept. 24..		4	
Poland:				
				Sept. 16-22, 1923: Cases, 43; deaths, 4; Recurrent: Cases, 4.
Union of South Africa:				Sept. 1-30, 1923: Cases (colored), 316; deaths, 94. Cases (white), 5; deaths, 3; total, 321 cases, 97 deaths.
Cape Province.....				Sept. 1-30, 1923: Cases, 269; deaths, 81 (colored). White population, 3 cases, 1 death.
Do.....	Oct. 14-27.....			Outbreaks.
Natal.....				Sept. 1-30, 1923: Cases, 10; deaths, 3 (colored.) White, 1 case, 1 death.
Do.....	Oct. 14-20.....			Outbreaks.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received During Week Ended December 21, 1923—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Cont. Orange Free State.....				Sept. 1-30, 1923: Cases, 23; deaths, 5. (colored). White, 1 case, 1 death.
Do.....	Oct. 21-27.....			Outbreaks.
Transvaal.....				Sept. 1-30, 1923: Cases, 14; deaths, 5
Johannesburg.....	Oct. 27-Nov. 3....	1		

Reports Received from June 30 to December 14, 1923.¹**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Sept. 16-22.....		2	
China:				
Canton.....	Aug. 26-Sept. 1....	1		
Foochow.....	July 29-Sept. 1....			Present.
Shanghai.....	Aug. 20-Sept. 2....	2	28	Cases, foreign: deaths, native.
Do.....	Aug. 28-Sept. 16..		12	Reported moderately prevalent Aug. 28.
India:				Apr. 15-June 30, 1923: Cases, 19,470; deaths, 14,608. July 1-Sept. 22, 1923: Cases, 21,602; deaths, 12,299.
Bombay.....	June 3-30.....	34	23	
Do.....	July 1-Sept. 29....	131	76	
Calcutta.....	May 6-June 30....	371	300	
Do.....	July 8-Oct. 20....	223	172	
Madras.....	June 3-30.....	2		
Do.....	July 1-Oct. 27....	20	10	
Rangoon.....	May 13-June 30....	18	15	
Do.....	July 1-Oct. 6....	36	33	
Indo-China:				Oct. 1-31, 1923: Cases, 92; deaths, 53. Preceding month: Cases, 24; deaths, 14. October, 1921: Cases, 100; deaths, 61. Nov. 1-Dec. 31, 1922: Cases, 161; deaths, 50 (native); European, 1 case.
City—				Including 100 square kilometers of surrounding country.
Saigon.....	May 20-June 30....	12	11	Do.
Do.....	July 1-28.....	13	12	
Province—				Epidemic.
Annam.....	Sept. 1-Dec. 31....	179	66	
Do.....	Feb. 1-28.....			
Cambodge.....	Sept. 1-Dec. 31....	47	27	
Cochin-China.....	do.....	51	33	
Do.....	Jan. 1-Feb. 28....	19	8	
Tonkin.....	Oct. 1-Dec. 31....	1		
Iraq (Mesopotamia):				
Bagdad.....	Sept. 3-17.....	46	37	
Basrah.....	Aug. 8-Oct. 9....	592	434	Port declared infected since Aug. 6, 1923.
Philippine Islands:				
City—				
Manila.....	June 10-16.....	2	1	Death in foreign case from Chinkiang, China.
Province—				
Bulacan.....	May 17-23.....	1		
Capiz.....	May 27-June 2....	1	1	
Cebu.....	Apr. 8-21.....	1	1	
Cotobato.....	Apr. 8-14.....	1	1	
Laguna.....	May 6-June 9....	2	1	
Mindoro.....	Aug. 5-11.....	2	2	
Mountain.....	Mar. 25-31.....	1	1	
Occidental Negros.....	July 22-28.....	1	1	
Pangasinan.....	June 24-30.....	2	2	
Viscaya.....	July 7-14.....	1	1	
Russia (Soviet).....				Jan. 1-May 15, 1923: Cases, 10.
Siam:				
Bangkok.....	May 13-June 30....	10	11	
Do.....	July 1-Sept. 29....	7	4	

¹ 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 June 30 to December 14, 1923—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Aug. 11-20.....	2	1	Actual dates of occurrence: Aug. 16 and 17, 1923.
St. Eugène.....	Aug. 1-20.....	2	2	Locality 5 miles north of Algiers.
Australia:				
Sydney.....	June 30.....	1	1	
Azores:				
St. Michael Island.....	May 6-26.....	12	5	In one locality.
Bolivia:				
La Paz.....	Sept. 1-30.....		1	
Brazil:				
Bahia.....	Sept. 2-15.....	3	2	
Do.....	Oct. 14-27.....	3	1	
Porto Alegre.....				Jan. 1-Mar. 31, 1923: Deaths, 19.
British East Africa:				
Kenya—				
Kisumu.....	June 10-16.....	2	1	
Do.....	Aug. 5-11.....		1	
Mombasa.....	Aug. 19-Oct. 13.....	21	15	Plague rats, 6.
Kilindini Area.....	do.....			Plague rats, 12.
Tanganyiki.....	May 6-June 2.....	3	3	Territory.
Do.....	July 5-21.....	20	12	
Uganda.....	Apr. 1-30.....	7	5	
Canary Islands:				
Las Palmas.....	June 7.....	1		
Teneriffe.....	Nov. 6.....			Present.
Ceylon:				
Colombo.....	May 6-June 30.....	18	19	Plague rats, 45.
Do.....	July 1-Oct. 20.....	75	69	Plague rats, 30. One plague-infected cat.
China:				
Amoy.....	May 13-June 25.....		10	
Do.....	July 1-Oct. 27.....		24	Rodent plague present.
Foochow.....	May 27-June 23.....			Present.
Do.....	July 8-Sept. 1.....			Reported as endemic.
Hongkong.....	Apr. 29-June 30.....	63	40	
Do.....	July 1-Oct. 6.....	33	39	
Manchuria—				
Yakoshih.....	May 31.....	1	1	Station on Eastern Chinese Railway. Occurring in tarabagan (marmot) hunter. Bubonic.
Nanking.	June 17-30.....			Rodent plague present.
Do.....	July 1-Nov. 3.....			Present.
Ecuador:				
Guasmote.....	Aug. 1-15.....	9	2	Country district.
Guayaquil.....				May 16-June 30, 1923: Rats examined, 13,800; found infected, 39. July 1-Aug. 15, 1923: Rats examined, 13,450; found infected, 23. Aug. 16-30, 1923: Rats taken, 54,304; found infected, 66. (Number examined not reported.)
Do.....	July 1-Sept. 30.....	10	3	
Santa Ana (Manabi).....	July 16-Aug. 15.....	7	3	
Egypt.				Jan. 1-June 21, 1923: Cases, 1,051; deaths, 548. May 1-29: Cases, 345. Jan. 1-June 24, 1923: Cases, 1,069. Jan. 1-Oct. 4, 1923: Cases, 1,360; deaths, 652.
City—				
Alexandria.....	Jan. 7-June 24.....	35	15	
Do.....	July 1-Nov. 11.....	18	3	
Port Said.....	Jan. 7-June 24.....	24	12	
Do.....	July 1-Sept. 30.....	30	5	
Suez.....	Mar. 2-June 15.....	12	7	
Do.....	July 16-Aug. 30.....	11	1	
Province—				
Assiout.....	May 1-29.....	64		Deaths not reported.
Benisouef.....	do.....	7		Do.
Fayoum.....	do.....	14		Do.
Garbich.....	do.....	2		Do.
Geizeh.....	do.....	3		Do.
Girgeh.....	do.....	123		Sept. 26: One case.
Keneh.....	do.....	22		Deaths not reported.
Menoufieh.....	do.....	34		Sept. 15: Cases, 1; deaths, 1.
Minieh.....	do.....	46		Deaths not reported.
France:				
Paris.....	Aug. 13.....	1		Published in Public Health Reports, Sept. 14, 1923, pp. 2189 and 2190.

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

Reports Received from June 30 to December 14, 1923—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Greece:				
Syra Island	Sept. 10.....			Present.
Hawaii:				
Hamakua				Plague-infected rats: Pohakaa, May 23, 1923; 1 rat; vicinity of Pacific Sugar Co. mill, June 2, 1 rat; Aug. 2, 1 rat at Hamakua Mill Co. plantation. Aug. 16, plague rat found at Kapuleua.
Honokaa	Sept. 21.....	1	1	July 20, 1923: One plague rat; July 30, 2 plague rats; Honokaa Sugar Co. mill and Honokaa village.
India:				
Bombay	Apr. 29-June 20.....	503	411	Apr. 29-June 23, 1923: Cases, 5,783; deaths, 4,481. July 1-Sept. 22, 1923: Cases, 23,225; deaths, 15,850.
Do.....	July 1-Oct. 13.....	50	42	
Calcutta	May 6-June 9.....	13	13	
Do.....	Aug. 12-Sept. 15.....	2	2	
Karachi	May 13-June 30.....	110	85	Plague rats, 5.
Do.....	July 1-Oct. 20.....	123	111	
Madras Presidency.....	May 13-June 30.....	254	141	
Do.....	July 1-Oct. 27.....	4,022	2,447	
Rangoon	May 6-June 30.....	260	229	
Do.....	July 1-Oct. 13.....	332	291	
Indo-China:				
City—				
Saigon	June 24-30.....	5	5	Oct. 1-Dec. 31, 1922: Cases, 245; deaths, 237. Sept. 1-30, 1922: 70 cases, 68 deaths.
Do.....	July 1-7.....	1	1	Including 100 square kilometers of surrounding country. Do.
Province—				
Annam	Oct. 1-Dec. 31.....	40	36	Preceding month, 15 deaths.
Do.....	Jan. 1-Feb. 28.....	47	39	
Cambodge.....	Oct. 1-Dec. 31.....	145	145	Preceding month, 51 deaths.
Do.....	Jan. 1-Feb. 28.....	152	152	
Cochin-China.....	Oct. 1-Dec. 31.....	4	1	Preceding month, 4 cases, 2 deaths.
Do.....	Jan. 1-Feb. 28.....	3	3	
Iraq (Mesopotamia):				
Bagdad	May 1-June 30.....	335	224	
Basrah	Aug. 8-Sept. 4.....	4	2	
Java:				
Province—				
Djokjakarta.....	June 1-30.....		5	May 1-June 30, 1923: Deaths, 912.
Do.....	July 1-Sept. 30.....		13	July 1-Sept. 30, 1923: Deaths, 1,554.
Kedoe.....	June 1-30.....		135	
Do.....	July 1-Sept. 30.....		382	
Pekalongan.....	June 1-30.....		48	
Do.....	July 1-Sept. 30.....		137	
Samarang.....	June 1-30.....		143	
Do.....	July 1-Sept. 30.....		458	
Soerabaya.....	June 1-30.....		1	
Do.....	Aug. 1-Sept. 30.....		3	May 16, 1923: Epidemic in 5 districts.
Soerakarta.....	June 1-30.....		109	Apr. 1-June 30, 1923: Cases, 84; deaths, 81. July 1-Aug. 15, 1923: Cases, 11; deaths, 9. Sept. 1-30, 1923: Cases, 41; deaths, 37.
Do.....	July 1-Sept. 30.....		561	
Madagascar:				
Tananarive Province.....	Apr. 1-June 30.....	60	57	
Do.....	July 1-Sept. 30.....	41	4	
Tananarive town.....	Apr. 1-June 30.....	24	24	
Do.....	July 1-Sept. 30.....	11	10	
Mauritius Island.....				May 4-21, 1923: 2 cases.
Port Louis	May 4.....	1		
Mexico:				
Tampico				Apr. 15-21, 1923: 1 plague rat. Aug. 8, 1923: At Dona Cecolia, a suburb of Tampico, 1 plague-infected rat found. From Jan. 1 to Aug. 8, 1923, plague-infected rats found, 5.
Morocco:				
Dar-Kebdani.....	Aug. 31-Sept. 13.....	1		Camp in Spanish Zone, Melilla District.
Larache (El Arish).....	Nov. 2.....			Present. Spanish Zone.
Melilla	Aug. 1-Oct. 19.....	7		
Palestine:				
Haifa	Sept. 8-Oct. 1.....	2		
Jaffa	June 19-July 16.....	10	1	Bubonic and septicemic.

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

Reports Received from June 30 to December 14, 1923—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru.....				May 1-June 30, 1923: Cases, 111; deaths, 68. July 1-Oct. 31, 1923: Cases, 58; deaths, 30.
Locality—				
Ayabaca.....	May 16-June 30...	15	13	
Do.....	July 1-31.....	4	2	
Callao.....	May 1-June 30...	5	3	
Do.....	July 1-Sept. 30...	4	2	
Canete.....	May 16-June 30...	3	2	
Do.....	July 1-Oct. 31.....	8	4	
Cerro Azul.....	May 1-31.....	3	1	
Chiclayo.....	May 1-June 30...	9	2	
Do.....	July 1-Aug. 31.....	6	4	
Cutervo.....	May 1-15.....	2	1	
Guadaloupe.....	Sept. 1-30.....			Present.
Huancahamba.....	May 1-June 30...	34	25	
Huscho.....	July 1-Oct. 31.....	2		
Huaral.....	June 1-30.....	2		
Do.....	July 1-Sept. 30...	3	1	Sept. 1-30, 1923: Present on country estates.
Lima (city).....	May 1-31.....	17	8	
Do.....	July 1-Oct. 31.....	24	14	
Lima (country).....	May 1-31.....	7	4	
Do.....	July 1-Oct. 31.....	6	2	
Mollendo.....	June 1-30.....	1	1	
Reque.....	Aug. 1-31.....	1	1	
Salaverry.....	May 1-June 30...	11	3	
Trujillo.....	do.....	2	3	
Portugal:				
Lisbon.....	Oct. 25.....	2	1	
Russia.....				Jan. 1-May 15, 1923: Few cases in Far East regions.
Senegal:				
Dakar.....	July 1-31.....	4	4	Reported to have come from port of Rufisque, Senegal.
Rufisque.....	Aug. 6.....			Present.
Siam:				
Bangkok.....	Apr. 20-June 30...	31	30	
Do.....	July 1-Oct. 13.....	16	15	
Siberia.....				Sporadic cases of plague reported yearly in localities vicinity of stations Matsievskaya and Borzja, Transbaikal Railway.
Haramhor.....	May 6.....	1	1	Village in zone of endemic tarabagan (marmot) plague, Transbaikal region.
Station No. 83.....				Station on Transbaikal Railway. Marmot plague during recent years.
Do.....				Do.
Soktu.....				
Straits Settlements:				
Singapore.....	May 6-June 30...	6	8	
Do.....	July 22-Oct. 20...	7	7	
Syria:				
Beirut.....	May 12-June 20...	3		
Do.....	July 1-Sept. 30...	7	1	
Turkey:				
Constantinople.....	Aug. 19-Sept. 22...			On Aug. 16, 1923, 2 cases reported.
Do.....	Oct. 14-20.....	1	1	
Union of South Africa:				
Haarhoff's Kraal.....	Oct. 18.....	3	3	
On vessel:				
S. S. Crewe Hall.....	Oct. 15.....	1		At Catania, Italy. Patient embarked at Port Said, Egypt. Vessel left Vizagapatam, India, Aug. 29; at Colombo, Ceylon, Sept. 12; Aden, Sept. 23; Port Sudan, Sept. 26; sailed for New York, Oct. 15, 1923.

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

Reports Received from June 30 to December 14, 1923—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	May 1-31.....	2		
Do.....	July 1-Aug. 10.....	3		
Arabia:				
Aden.....	May 27-June 2.....	8	2	
Do.....	July 8-Sept. 30.....	8	2	
Austria:				
Vienna.....	July 29-Aug. 4.....	1		
Azores:				
St. Michael Island.....	July 15-21.....	7		Mild.
Bolivia:				
La Paz.....	Apr. 1-June 30.....	2	3	
Do.....	Aug. 1-Sept. 30.....	5	6	
Brazil:				
Bahia.....	Aug. 19-Oct. 6.....	7		
Manaos.....				Year 1921: Cases, 2. Year 1922:
Pernambuco.....	May 6-June 16.....	5		1 case.
Do.....	July 1-Oct. 27.....	72	7	
Rio de Janeiro.....	May 13-June 23.....	25	3	
Do.....	July 15-Oct. 20.....	46	10	
Rio Grande do Sul.....				Jan. 1-Mar. 31, 1923: Present with
British East Africa:				some mortality.
Kenya—				
Mombasa.....	May 20-26.....	1		From vessel from Bombay.
Tanganyika.....	Apr. 20-June 9.....	3		Territory.
Do.....	July 1-Sept. 29.....	93	19	Do.
Uganda—				
Entebbe.....	Apr. 1-30.....	4		
Zanzibar.....				July 1-31, 1923: Cases, 7; deaths, 3.
Canada:				
Alberta—				
Calgary.....	May 27-June 2.....	1		Infection from Deer Lodge, Mont.
British Columbia—				
Vancouver.....	May 27-June 30.....	33	1	
Do.....	July 1-Nov. 10.....	23	1	Clear.
Victoria.....	Aug. 5-25.....	2		
Manitoba—				
Winnipeg.....	June 3-30.....	1		
Do.....	July 1-Nov. 17.....	9		
New Brunswick—				
Kent County.....	July 1-7.....	1		
Ontario.....				June 1-30, 1923: Cases, 13. July
London.....	July 15-21.....	1		1-Sept. 30, 1923: Cases, 48.
Sarnia.....	Nov. 4-24.....	1		Nov. 1-30, 1923: Cases, 53.
Toronto.....	June 24-30.....	3		
Do.....	July 15-21.....	1		
Quebec—				
Quebec.....	June 10-16.....	1		Varioloid.
Saskatchewan—				
Moose Jaw.....	July 8-14.....	1		
Regina.....	June 24-30.....	3		
Do.....	Oct. 7-13.....	1		
Ceylon:				
Colombo.....	May 6-June 2.....	23	1	
Chile:				
Concepcion.....	May 22-June 11.....	3	2	June 1-30, 1923: Cases, 2. July
Do.....	Sept. 1-30.....	3	3	1-31, 1923: 1 death.
Talcahuano.....	Aug. 12-Nov. 4.....	6	1	Landed from vessel.
Valparaiso.....	May 7-June 23.....	6	121	June 10-16, 1923: 29 cases reported
Do.....	July 1-Oct. 27.....	12	13	from 2 districts.
				July 30, 1923: 25 cases in lazaretto.
				Aug. 6: 20 cases. Aug. 14: 60
				cases present.
China:				
Amoy.....	May 13-June 23.....		3	June 19-25, 1923: Present.
Do.....	July 1-Oct. 27.....			Present.
Antung.....	May 14-20.....	1		
Canton.....				June 1-30, 1923: Present. July
Chungking.....	May 13-June 30.....			1-31, 1923: Present.
Do.....	July 1-Oct. 20.....			Present and endemic.
Foochow.....	May 13-Oct. 27.....			Do.
Hongkong.....	Apr. 29-June 30.....	98	82	Present.
Do.....	July 1-Oct. 20.....	151	101	
Manchuria—				
Dairen.....	May 21-27.....	1		
Harbin.....	May 7-June 24.....	5		
Do.....	July 1-Oct. 21.....	16		

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

Reports Received from June 30 to December 14, 1923—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Manchuria—Continued.				
Mukden.....	May 13-20.....	1		
Nanking.....	May 13-June 23.....			Present.
Do.....	June 24-Nov. 3.....			Do.
Shanghai.....	May 21-June 3.....	4		Foreign.
Do.....	July 2-Nov. 4.....	4	5	Cases, foreign; deaths, Chinese
Chosen (Korea):				
Chemulpo.....	May 1-31.....	1		
Fusan.....	May 1-June 30.....	4		
Do.....	July 1-31.....	22	6	
Gensan.....	May 1-31.....	1		
Seoul.....	May 1-June 30.....	42	13	
Do.....	July 1-Aug. 31.....	7	9	
Colombia:				
Barranquilla.....	Oct. 15-21.....		1	
Cuba:				
Antilla.....	July 8-14.....		2	From Preston.
Czechoslovakia.				
Province—				
Bohemia.....	Jan. 1-Mar. 31.....	15		Jan.-Mar., 1923: Cases, 15. Apr.-June, 1923: Cases, 16; deaths, 4.
Ecuador:				
Alansi.....	July 16-31.....	3		
Bahia.....	Sept. 1-15.....	4		
Esmeraldas.....	Aug. 16-Sept. 15.....	5		
Guayaquil.....	May 16-31.....	1		
Jipijapa.....	Sept. 1-15.....	8		
Monte Cristi (Manabi).....	do.....	20		May 16-30, 1923: Present.
Riobama.....	May 16-31.....	1	1	
Rocafuerte.....	do.....			Do.
Santa Ana.....	Sept. 1-15.....	10		
Vinces.....	do.....			Present in district.
Zaruma (El Oro).....	May 16-31.....			Present.
Egypt:				
Cairo.....	Mar. 12-July 1.....	24	8	
Do.....	Aug. 6-26.....	2	1	
Esthonia.....				
Finland.....				
French Guiana.....				
Cayenne.....				Nov.-Dec., 1922: Present. June 6, 1923: Present.
Great Britain:				
Birmingham.....	June 19-30.....	3		Year 1922: Present.
Bristol.....	June 28.....			Present.
Cardiff.....	June 3-30.....	6		Do.
Gloucester.....	June 28.....			
Do.....	July 12.....	19		123 cases reported in hospital; present in rural districts. July 15, 1923: Present. Aug. 9, 1923: 33 cases in isolation hospital; two weeks previously about 250 cases present in hospital.
London.....	Sept. 9-29.....	5	1	Sept. 22, 1923: Additional cases in Middlesex County.
Nottingham.....	June 3-9.....	1		May 1-31, 1923: Cases, 211.
Do.....	July 8-Sept. 22.....	6		
Sheffield.....	Sept. 16-22.....	3		
Greece:				
Athens.....	May 1-31.....	53		
Patras.....	Apr. 24-June 15.....		19	
Saloniki.....	Apr. 30-May 20.....	2	2	
Do.....	June 25-July 8.....	2	3	
Guadeloupe (West Indies).....				
Basse Terre.....				
Pointe à Pitre.....				
	Aug. 17-Oct. 13.....			July 22-Aug. 4, 1923: Present in epidemic form. (Reported as alastrim.) Aug. 17, 1923: Stated to be officially declared present. Sept. 14-20: Epidemic generally diffused. Oct. 13-24, 1923: Epidemic.
	Aug. 17.....			Present. Estimated from 2,000 to 3,000 cases. Sept. 2-8, 1923: 1,500 cases present; 8 deaths reported. Oct. 14-20, 1923: 1,000 cases present.

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

Reports Received from June 30 to December 14, 1923—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Hungary.....				July 15—Aug. 4, 1923: Cases, 28.
India.....				Apr. 15—June 30, 1923: Cases, 8,112; deaths, 2,933. July 1—Sept. 22, 1923; Cases, 10,801; deaths, 2,567.
Bombay.....	Apr. 22—June 30.....	298	141	
Do.....	July 1—Oct. 13.....	80	40	
Calcutta.....	May 13—June 9.....	12	9	
Do.....	July 1—Sept. 8.....	19	14	
Karachi.....	May 13—June 30.....	24	8	
Do.....	July 1—Oct. 13.....	17	5	
Madras.....	May 13—June 23.....	91	16	
Do.....	July 8—Oct. 27.....	64	17	
Rangoon.....	May 6—June 30.....	125	67	
Do.....	July 1—Oct. 13.....	51	19	
Indo-China.....				Nov. 1—Dec. 31, 1922: Cases, 234; deaths, 68.
City—				Including 100 surrounding square kilometers.
Saigon.....	May 20—June 30.....	34	23	Do.
Do.....	July 1—28.....	31	18	
Province—				
Annam.....	Nov. 1—30.....	3	1	
Do.....	Jan. 1—Feb. 28.....	10	1	
Cambodge.....	Nov. 1—Dec. 31.....	97	41	
Do.....	Jan. 1—Feb. 28.....	63	17	
Cochin-China.....	Nov. 1—Dec. 31.....	125	34	
Do.....	Jan. 1—Feb. 28.....	231	67	
Laos.....	Feb. 1—28.....			A few cases.
Tonkin.....	Dec. 1—31.....	9	1	
Do.....	Jan. 1—Feb. 28.....	69	13	
Iraq (Mesopotamia):				
Bagdad.....	Apr. 1—June 30.....	32	11	
Do.....	July 31—Sept. 4.....	13	1	
Basrah.....	Sept. 25—Oct. 9.....	3	1	
Italy:				
Leghorn.....	Sept. 17—23.....	6	1	
Turin.....	May 28—June 3.....	1	1	
Do.....	July 2—15.....	2	1	
amaica.....				May 27—June 30, 1923: Cases 226. July 1—Nov. 24, 1923: Cases; 437. (Reported as alastrim.)
Kingston.....	May 27—June 30.....	39	1	
Do.....	July 1—Nov. 24.....	52	1	
Japan:				
Kobe.....	May 28—June 10.....	2	1	
Do.....	July 2—8.....	1	1	
Java:				
East Java.....				Aug. 26—Sept. 1, 1923: Cases, 36; deaths, 3.
Soerabaya.....	Apr. 22—June 30.....	187	22	
Do.....	July 15—Oct. 6.....	285	49	
Soerakarta.....				July 31, 1923: Epidemic.
West Java—				
Batavia.....	May 5—June 8.....	17	3	Province.
Do.....	June 30—Oct. 19.....	22	1	Do.
Latvia.....				Apr. 1—May 31, 1923: Cases, 8. Aug. 1—31, 1923, 1 case.
Martinique.....				May 26—Nov. 10, 1923: Present.
Mexico:				
Agascalientes.....	July 8—14.....		1	
Chihuahua.....	June 11—24.....	7	1	
Guadalajara.....	July 22—Sept. 22.....		10	June 1—30, 1923: Cases, 15; deaths 2.
Mexico City.....	May 19—June 30.....	164	1	Including municipalities in Federal district.
Do.....	July 1—Nov. 3.....	211	1	Do.
Vera Cruz.....	Nov. 12—18.....		1	
Palestine:				
Jaffa.....	June 5—11.....	1	1	
Persia:				
Tabriz.....	Apr. 1—June 30.....		2	District.
Teheran.....	Feb. 22—June 14.....	30	1	Mar. 22—June 22, 1923: Deaths, 12.
Do.....	July 24—Aug. 24.....		1	June 23—July 22, 1923: Deaths, 9.
Peru:				
Lima.....	Oct. 1—31.....	2	1	
Poland.....				Apr. 29—June 30, 1923: Cases, 1,861; deaths, 43. July 1—Sept. 1, 1923: Cases, 39; deaths, 10.
Portugal:				
Lisbon.....	May 20—June 30.....	35	3	
Do.....	July 1—Nov. 10.....	49	13	
Oporto.....	June 10—30.....	6	3	
Do.....	July 9—Nov. 17.....	168	67	

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

Reports Received from June 30 to December 14, 1923—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Portuguese West Africa:				
Angola—				
Loanda.....	Apr. 1-21.....	2		
Do.....	July 29-Aug. 18.....		2	
Rhodesia (British Africa):				
Northern Rhodesia.....	May 8-14.....	21	8	
Southern Rhodesia.....	May 3-16.....	4	2	
Siam:				
Bangkok.....	Apr. 29-June 30.....	90	53	
Do.....	July 1-Nov. 13.....	432	256	Apr. 22-Aug. 25, 1923: Cases, 329; deaths, 184. Sept. 8, 1923: Reported prevalent.
Sierra Leone:				
Freetown.....	July 16-23.....	1		Landed from S. S. Tsad, from Southampton via Las Palmas. In Sembchun district.
Kaballa.....	May 1-15.....	1		
Pujehun.....	May 16-31.....	1		
Sambuya.....	Aug. 1-15.....	1		
Spain:				
Barcelona.....	May 31-June 6.....		1	
Do.....	June 28-Oct. 17.....		9	
Seville.....	July 19-25.....		1	
Valencia.....	May 15-June 30.....	44	2	
Do.....	July 1-Nov. 17.....	79	16	
Switzerland:				
Basel.....	May 27-June 30.....	4		
Do.....	July 8-Aug. 25.....	8		
Berne.....	May 20-June 30.....	11		
Do.....	July 1-Nov. 10.....	16		
Luzerne.....	May 1-June 7.....	36		
Do.....	July 1-Oct. 31.....	34		
Zurich.....	May 20-June 23.....	10		
Do.....	July 15-Sept. 15.....	9		
Syria:				
Aleppo.....	July 15-31.....	6		
Damascus.....	May 15-June 11.....	7		
Do.....	Aug. 16-Oct. 2.....	11	1	
Do.....	Oct. 17-23.....	3		
Tunis:				
Bizerta.....	June 10-20.....	1		
Tunis.....	June 11-17.....	1		
Do.....	June 26-July 1.....	1		
Do.....	Nov. 5-11.....	1		
Turkey:				
Constantinople.....	May 13-June 26.....		45	
Do.....	June 27-Sept. 22.....	1	18	
Do.....	Oct. 28-Nov. 3.....		1	
Union of South Africa:				
Cape Province.....				
Do.....	May 6-June 30.....			May 1-June 30, 1923: Cases, 66; deaths, 1 (colored), July 1-31, 1923: Cases, 17 (colored).
Do.....	July 1-Sept. 15.....			May 1-31, 1923: Cases, 32 (colored. July 1-31, 1923: Cases, 10 (colored).
Do.....	Sept. 30-Oct. 13.....			Outbreaks.
Do.....	July 8-14.....	1		Do.
East London.....	July 8-14.....	1		July 1-31, 1923: 1 case (colored).
Natal.....	do.....			Outbreaks.
Orange Free State.....	Apr. 29-June 30.....			July 1-31, 1923: Cases, 4 (colored).
Do.....	Sept. 9-15.....			Outbreaks.
Do.....	Oct. 7-13.....			Do.
Transvaal.....	July 1-Aug. 31.....			May 1-31, 1923: 1 case, July 1-31, 1923: Cases, 2 (colored).
Do.....	July 1-Aug. 31.....			Outbreaks.
Yugoslavia:				
Province—				
Bosnia-Herzegovina.....	July 1-7.....	1		July 1-Aug. 25, 1923: Cases, 150; deaths, 22.
Croatia-Slavonia.....	do.....	4	1	
Zagreb.....	June 24-30.....	1		
Serbia.....	July 1-7.....	2	1	
Belgrade.....	June 10-16.....	1	1	
Do.....	July 8-14.....		1	
Woivodina.....	July 1-7.....	1		

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

Reports Received from June 30 to December 14, 1923—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
On vessels:				
S. S. Kargola.....	May 20-26.....	1		At Mombasa, British East Africa. Vessel arrived from Bombay, Mar. 25, 1923.
S. S. Makura.....	May 26.....	2		Two cases in quarantine (reported as alastrim). Vessel left Victoria, B. C., Apr. 28, 1923. Touched at Honolulu.
S. S. Tsad.....	July 16-31.....	1		At Freetown, Sierra Leone, Africa, from European and West African ports.
S. S. —.....	Aug. 12-18.....	1		Landed at Talcahuano, Chile.

TYPHUS FEVER.

Algeria:				
Algiers.....	May 1-June 30.....	66	19	
Do.....				July 1-Oct. 31, 1923: Cases, deaths, 6.
Argentina:				
Rosario.....	May 25-31.....		3	
Do.....	Sept. 1-30.....		1	
Austria:				
Vienna.....	Sept. 23-Oct. 13.....	1		
Bolivia:				
La Paz.....	June 1-30.....	4		
Do.....	July 1-Sept. 30.....	18	3	
Bulgaria:				
Sofia.....	Apr. 22-June 23.....	11	2	Paratyphus. 2 cases; 2 deaths.
Do.....	July 15-Sept. 1.....	17	1	Paratyphus. 5 cases. Sept. 2-29, 1923: Paratyphus, cases 6.
Canary Islands:				
Teneriffe.....	Oct. 22-Nov. 4.....		2	
Chile:				
Antofagasta.....	Oct. 21-Nov. 9.....	15	1	
Concepcion.....	May 22-June 18.....		3	
Do.....	Aug. 7-Sept. 30.....		2	
Iquique.....	Sept. 2-Oct. 13.....		2	
Talcahuano.....	May 13-19.....	1		
Valparaiso.....	May 7-June 23.....		26	June 11, 1923: 34 cases in Salvador Hospital. July 30, 1923: 45 cases in hospital. Aug. 6: 58 cases. Aug. 12-18: 82 cases stated to be present. Aug. 25: 88 cases in lazaretto.
Do.....	July 1-Nov. 1.....		91	
China:				
Antung.....	May 28-June 24.....	12		
Do.....	July 16-Oct. 28.....	9		
Chungking.....	Aug. 25-Oct. 20.....			Endemic.
Hankow.....	May 19-25.....	1		
Manchuria—				
Harbin.....	May 6-13.....	1		
Do.....	Aug. 27-Sept. 2.....	2		
Mukden.....	May 14-20.....	2		
Czechoslovakia				
Province—				Jan.-Mar., 1923: Cases, 191; deaths, 6. Apr. 1-June 30: Cases, 132; deaths, 4. paratyphoid A, 1; paratyphoid B, 20.
Bohemia.....	Apr. 1-June 30.....	8		
Moravia.....	do.....	2		
Russinia.....	do.....	98	1	
Silesia.....	do.....	1	1	
Slovakia.....	do.....	23	2	
Egypt:				
Alexandria.....	May 14-June 24.....	7	5	
Do.....	June 25-Nov. 11.....	13	8	Paratyphoid fever, 2 cases.
Cairo.....	Apr. 12-June 24.....	44	29	
Do.....	June 25-Aug. 26.....	31	29	Date corrected from previous report.
Port Said.....	Aug. 3-19.....	1		
Estonia.....				June 1-30, 1923: Recurrent typhus, 1 case; paratyphus, 2 cases.
Finland.....	Sept. 16-30.....	1		Aug. 1-Oct. 15, 1923: Paratyphus 109 cases. Sept. 1-15, 1923: One case recurrent typhus.

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

Reports Received from June 30 to December 14, 1923—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
France:				
Marseille.....	Mar. 1-May 31.....		3	
Germany:				
Coblenz.....	May 27-June 2.....		1	
Do.....	July 23-Sept. 22.....	10		
Hamburg.....	May 20-26.....	3		
Do.....	July 29-Aug. 4.....	1		Case developed July 28, 1923, at Emigration Hall, Hamburg.
Königsberg.....	May 13-June 2.....	2		
Do.....	Aug. 12-Oct. 20.....	3		
Stettin.....	May 27-June 9.....	1	1	
Stuttgart.....	Sept. 2-Nov. 3.....	8	1	
Great Britain:				
Ireland—				
Cork.....	Aug. 19-25.....	1	1	
Greece.....				May 1-31, 1923: Cases, 876.
Athens.....	May 1-31.....	150	5	
Do.....	July 22-31.....		1	
Patras.....	Apr. 24-June 15.....		30	
Do.....	Aug. 16-31.....		2	
Piræus.....	May 1-June 30.....	356	11	
Do.....	July 1-10.....	3		
Saloniki.....	Apr. 30-June 24.....	56	16	Apr. 30-May 27, 1923; Recurrent typhus: Cases, 3; deaths, 3.
Do.....	July 9-Oct. 21.....	2		
Guatemala:				
Guatemala City.....	Apr. 1-June 30.....		5	
Hungary.....				Jan. 1-May 19, 1923: Cases, 318; deaths, 38. In 11 counties.
Budapest.....	Jan. 1-June 2.....	48	12	
Do.....	Sept. 2-8.....	1		
Iraq (Mesopotamia):				
Basrah.....	Sept. 5-Oct. 1.....	1		
Bagdad.....	Apr. 1-June 30.....	3		
Do.....	Aug. 8-15.....	1	1	
Japan:				
Nagasaki.....	July 2-8.....	1		
Java:				
East Java—				
Soerabaya.....	July 29-Oct. 6.....	28	5	
Latvia.....				Apr. 1-June 30, 1923: Cases, 231; paratyphus, 5 cases. June 1-Sept. 30, 1923: Cases, 95; paratyphus, 11 cases; recurrent typhus, 2 cases.
Mexico:				
Guadalajara.....	June 1-30.....	1		Sept. 16-22, 1923: 1 death.
Do.....	July 1-Oct. 30.....	2	1	
Mexico City.....	May 20-June 30.....	75		Including municipalities in Federal district.
Do.....	July 1-Nov. 3.....	166		
San Luis Potosi.....	July 29-Aug. 4.....		1	
Palestine:				Aug. 14-20, 1923: 1 case, in northern district.
Haifa.....	Oct. 16-22.....	1		
Jaffa.....	May 22-28.....	2		
Do.....	June 26-Oct. 1.....	7		Reiapsing fever, 1 case.
Jerusalem.....	May 22-28.....	1		
Persia:				
Tabriz.....	Apr. 1-14.....	2		
Teheran.....	Feb. 22-June 14.....		4	
Do.....	July 1-22.....		1	
Poland.....				Mar. 4-Apr. 7, 1923: Cases, 2,253; deaths, 172. Recurrent typhus: Cases, 338; deaths, 6. Apr. 29-June 30, 1923: Cases, 2,206; deaths, 177. July 1-Sept. 1, 1923: Cases, 672; deaths, 52. Recurrent typhus: Apr. 29-June 23, 1923: Cases, 337; deaths, 3. July 1-Sept. 1, 1923: Cases, 117; deaths, 4.
Portugal:				
Oporto.....	June 10-16.....	1		
Do.....	July 1-21.....	3		
Rumania:				
Kishineff.....	May 1-June 30.....	41		District.
Do.....	Aug. 1-31.....	10		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received from June 30 to December 14, 1923—Continued.
TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia.....				Jan. 1-Apr. 30, 1923: Cases, 106,854. (Corresponding period 1922: Cases, 847,516.) Feb. 1-28, 1923: Cases, 17,577. Recurrent, Jan. 1-Feb. 28, 1923: Cases, 43,540.
European Russia and autonomous republics.	Jan. 1-Apr. 30.....	93,999		
Siberia, Caucasus, and Central Asia.	do.....	9,921		
Waterways and railways.....	do.....	2,934		
Spain:				
Barcelona.....	June 21-27.....		1	
Do.....	Aug. 23-Oct. 31.....		14	
Madrid.....	May 1-31.....		1	
Do.....	July 1-31.....		2	
Sumatra:				
Medan.....	May 1-June 30.....	34		
Switzerland:				
Zurich.....				Sept. 16-22, 1923: Paratyphus fever, cases, 5.
Syria:				
Aleppo.....	May 20-June 16.....	4	2	
Do.....	July 15-21.....	3	1	
Beirut.....	May 1-10.....	1		
Tunis:				
Tunis.....	May 28-June 24.....	3	2	
Do.....	July 9-Oct. 7.....	1	2	
Turkey:				
Constantinople.....	May 13-June 26.....		19	
Do.....	June 27-Nov. 3.....	11	11	
Union of South Africa.....				May 1-June 30, 1923: Cases, 230; deaths, 47 (colored). White—Cases, 15; deaths, 1. Total, 245 cases, 48 deaths. July 1-31, 1923: Cases, 133 (colored, 132 cases; white, 1 case); deaths, 24. May 1-31, 1923: Cases, 49 (colored); white, 5. July 1-31, 1923: Cases, 94; deaths, 21 (colored). Outbreaks. May 1-31, 1923: One case (colored). May 1-31, 1923: Cases, 45 (colored). July 1-31, 1923: Cases, 36; deaths, 3 (colored). One case in white population. Outbreaks. Do. May 1-31, 1923: Cases, 7. July 1-31, 1923: Cases, 2 (colored).
Cape Province.....				
Do.....	Aug. 12-Oct. 13.....			
Natal.....				
Orange Free State.....				
Do.....	May 6-June 16.....			
Do.....	Aug. 12-Oct. 13.....			
Transvaal.....				
Johannesburg.....	May 1-June 30.....	4	4	
Do.....	Oct. 6-13.....	1		
Yugoslavia.....				July 1-7, 1923: Cases, 4.
Province—				
Bosnia-Herzegovina.....	July 1-7.....	4		
Croatia-Slavonia—				
Zagreb.....	May 27-June 2.....	1		
Serbia—				
Belgrade.....	Aug. 12-18.....	1		

YELLOW FEVER.

Brazil:				
Bahia.....	May 13-June 30.....	25	6	
Do.....	July 1-Sept. 8.....	13	6	
Colombia:				
Bucaramanga.....	June 25-Aug. 26.....			Present.

X