

PUBLIC HEALTH REPORTS

VOL. 33

JUNE 7, 1918

No. 23

BULLETIN ON COLOR BLINDNESS.

The importance of differentiating between those who are dangerously color blind—that is, unable at all times to distinguish between red and green—and those who are only slightly color blind is brought out in a recent study conducted by Surg. George L. Collins, United States Public Health Service, and published as Public Health Bulletin No. 92. The following conclusions were reached:

Conclusions.

Color blindness is best detected by testing with colored lights of known spectral composition.

The Edridge-Green lantern will satisfactorily divide the color blind into the dangerously color blind and the harmlessly color blind, after an understanding of the principles of the test is gained.

The Jennings self-recorded worsted test should not be used for testing sailors or trainmen, but possesses certain practical features which render it superior to other tests where great accuracy and classification of color defects are not essential.

Among healthy individuals in America, color blindness occurs in about 8.6 per cent of men and 2.2 per cent of women. Dangerous color blindness occurs in about 3.1 per cent of men and 0.7 per cent of women.

Among refractive conditions of the eye, color blindness occurs least frequently in eyes apparently without demonstrable refractive error and most frequently in eyes showing mixed astigmatism.

PHOSPHOROUS AS AN INDICATOR OF THE "VITAMINE" CONTENT OF CORN AND WHEAT PRODUCTS.

By CARL VOEGTLIN and C. N. MYERS, Division of Pharmacology, Hygienic Laboratory, United States Public Health Service.

Previous work by the writers has demonstrated that the vitamins are not evenly distributed throughout the corn and wheat kernel. Thus it was shown that the starchy part of these cereals is very deficient in vitamins, whereas the other portions of the grain (bran and

germ)¹ contain a considerable amount of these substances. These results were obtained from experiments on fowls by feeding the particular cereal product in question and noting the time necessary for the appearance of polyneuritic symptoms. When the symptoms appeared after an average of two to three weeks on a given diet, the diet was considered as containing only an insignificant amount of anti-neuritic vitamine. In case the symptoms appeared after three to four weeks the product was regarded as being deficient, but not entirely lacking in this substance. Finally, if no symptoms appeared within 60 days or longer, the diet was considered adequate in this respect.

Information concerning the fat soluble vitamine was furnished by growth experiments on mice and squabs. In this case it was determined whether or not it was necessary to supplement a particular corn or wheat product with fat-soluble vitamine, in the form of butter fat, in order to produce growth in these animals. When the product did not lead to practically normal growth, in spite of the fact that the other dietary deficiencies of the food with the exception of the fat-soluble vitamine were corrected, the product was considered as being deficient in this substance.

These biological procedures for the approximate estimation of the vitamine content obviously have the great disadvantage of being time consuming. On the other hand, chemical methods for the direct quantitative determination of vitamins are not available. Under these circumstances the search for more convenient means, which would permit at least a rough estimate of these food accessories in cereal foods, is urgently needed.

So far as the fat-soluble vitamine is concerned, an estimation of the fat content of the cereal product might yield the necessary information, inasmuch as it has been found that the germ seems to contain most of the fat as well as the fat-soluble vitamine of the grain. The following figures very clearly show the differences in the fat content of the most important corn and wheat products:

CORN. ²		WHEAT. ³	
	Fat in per cent.		Fat in per cent.
Corn (whole).....	3.62	Wheat (whole).....	2.74
Corn grits.....	.48	Flour, patent.....	1.45
Corn meal.....	1.41	Flour, low grade.....	3.86
Germ.....	23.79	Germ.....	15.61
Bran.....	6.71	Bran.....	5.03

There seems to exist a similar relationship between the fat content and the antineuritic substance of wheat and corn foods. In practice this theoretical deduction may very well prove of value.

¹ The terms bran and germ are applied throughout this paper to mill products of a varying degree of purity. Thus the germ is not the pure embryo of the grain, but is always contaminated with some bran. The bran always contains a small amount of the starchy part of the cereal.

² Winton, Burnet and Bornmann, U. S. Dept. Agr. Bull. No. 215 (1915).

³ Richardson, Cl. U. S. Dept. Agr. Bull. No. 4 (1884).

However, the present investigation was confined exclusively to the relation between phosphorus and vitamine content, for the reason that previous work with rice milled to various degrees had demonstrated the intimate relation between phosphorus and antineuritic vitamine. Thus, Fraser and Stanton (1909)¹ on the basis of a wide experience with beri-beri in the East went even so far as to reject as unsafe any rice with a phosphoric oxide content of less than 0.4 per cent when this food formed the principal article of the diet.

The object of the present communication is to correlate the phosphorus content of corn and wheat foods with their content in antineuritic and fat-soluble vitamine. Special emphasis is placed on the distribution of phosphorus in the various products obtained from modern corn and flour mills.

Experimental.

The phosphoric oxide determinations were made on samples dried at 110° C. to constant weight. Five to ten grams of the dried sample are ashed by the Neumann method. Considerable patience is required in the early stages of the process to prevent excessive foaming. It has been found advantageous to allow the sample to remain in contact with concentrated sulphuric acid for about 24 hours before the ashing with nitric acid takes place. The ashed material is neutralized with ammonia until it is alkaline to litmus. After cooling, enough water is added to bring up the volume to about 250 cubic centimeters and the solution made just acid with nitric acid (litmus). One cubic centimeter of 10 per cent nitric acid and 25 cubic centimeters ammonium nitrate² are then added. The flask containing the solution is then immersed in a water bath, kept at 65° to 68° C. After the contents of the flasks have reached this temperature, a sufficient amount of molybdate solution³ acidified by mixing 5 cubic centimeters of concentrated HNO₃ (sp. gr. 1.42) with 100 cubic centimeters of molybdate solution, is added with constant shaking.

The flasks are then heated for 15 minutes in the water bath. The yellow ammonium phosphomolybdate precipitate is now at once filtered off through a Gooch crucible with asbestos filter. The filtrate is always tested for complete precipitation by adding a fresh amount of ammonium nitrate and molybdate solution and reheating in the water bath. The flask and the precipitate are well washed with a 1 per cent ammonium nitrate solution until neutral to litmus, and finally with a little distilled water. The precipitate is now returned to the flask with the addition of about 200 cubic centimeters of distilled water. To this mixture N/2 sodium hydroxide, measured from a burette, is added until the yellow precipitate is completely dissolved. There should be 5 to 10 cubic centimeters of alkali in excess. One cubic centimeter of neutral phenolphthalein solution is added as indicator and the solution immediately titrated back with N/2 sulphuric acid until the pink color just disappears.

The difference between the sulphuric acid and the sodium hydroxide represents the amount of N/2 sodium hydroxide used to neutralize the insoluble precipitate (NH₄)₃PO₄·12MoO₃.

¹ Fraser and Stanton. 1909. Studies from the Institute of Medical Research, Federated Malay States. The etiology of beri-beri.

² Prepared as follows: 3,750 gm. of ammonium nitrate, C. P., are dissolved in 2,500 cc. of hot distilled water; after cooling to room temperature this solution is diluted with distilled water to 5,000 cc. and filtered.

³ This molybdate solution is prepared as follows: 100 gm. of molybdic acid are dissolved in 144 cc. of ammonium hydroxide (sp. gr. 0.90) and 271 cc. of water. This solution is poured slowly and with constant stirring into a mixture of 489 cc. of nitric acid (sp. gr. 1.42) and 1,149 cc. of water contained in a large porcelain dish. This mixture is kept in a warm place for several days, or until a portion heated to 40° C. deposits no yellow sediment, and preserved in glass-stoppered bottles.

One cubic centimeter of $N/2$ NaOH is equivalent to 1.5440 milligrams P_2O_5 .

In regard to the phosphoric oxide determinations, it should be pointed out that the procedure just described will yield reliable results, as shown by the striking agreement of duplicate analyses. However, the results obtained by this method can not be compared with results obtained by other methods, as different analytical procedures will yield slightly different results.

The following tables give the results of the phosphorus determinations, as well as an estimate of both the antineuritic and fat soluble vitamins of these cereal products. The data referring to the vitamin content are taken from two previous papers by the authors.

In order to illustrate the distribution of the phosphorus of the original grain in the course of roller milling, Table 4 is offered. For a better understanding of this table a brief outline¹ of the process of milling is added.

The wheat as received by the mill is first put through a cleaning machine, which is known as the "milling separator." This consists of a series of metallic sieves. The perforations of the first two sieves are just large enough for a kernel of wheat to pass through, and therefore, oats, straw, and other impurities larger than wheat are separated from the wheat. The lowest sieve of the series has perforations considerably smaller than a kernel of wheat, which permit the smaller mustard seeds and other impurities to pass through.

From the milling separator the wheat is passed through the "wheat scourer," which consists of an upright perforated cylinder, in the center of which, revolving about the shaft, are large beaters. The wheat falls down in the center, is struck by the beaters, and is thrown against the outer case, and after revolving a number of times against the casing is passed through the bottom of the cylinder. While it is falling through the cylinder, a strong air current, passing upward, carries off the dust from the scourings.

The wheat (61)² now passes to the first set of corrugated rolls. After passing through these rolls it (62) goes into one end of a long reel, covered with coarse bolting cloth. The middlings (63) pass through the cloth and what remains of the wheat goes to the second reduction rolls, which are similar to the first.

This process is repeated five times, and after the middlings are taken out after the fifth reduction, all that is left of the wheat is the bran (79).

Before the middlings can be reduced to flour, the fine bran and dust must be taken out of them, or, in other words, they must be purified. Before purification can be accomplished thoroughly the middlings must be divided into various grades with respect to size. This is accomplished by running the middlings into one end of a long reel which is covered with bolting cloth of various degrees of fineness. On the head of the reel is a very fine cloth through which the flour passes; the next section is covered with a coarser cloth through which the first grade of middlings passes; the cloth of the next section is still coarser, and so on up to the end of the reel. What is too coarse to go through the last section of the reel passes over the end and is called the coarsest middlings (68).

After the middlings are graded they pass on to the "middlings purifier." This is a long narrow sieve with a strong current of air passing upward through the cloth. The middlings travel from one end of the sieve very gradually to the other end. The air current carries off the fine dust into a dust collector, and the fine bran, being lighter than the middlings, is suspended by the air current from the cloth, while the middlings go through the cloth. The bran (69) is carried by the current of air to the tail of the machine, and is thus separated from the middlings (70).

¹ We are indebted for this description and the samples referred to in Table 4 to the manager of one of the largest flour mills in this country.

² The figures given in parentheses in this and the following paragraphs correspond with those of the diagram and represent the serial numbers of the samples used for the phosphorus determinations.

This process is the same for the various grades of middlings. After the purification the middlings are reduced similarly to the whole wheat, except that instead of corrugated rolls smooth rolls are used. The coarsest grade of middlings is ground, then passed on to a reel, covered with a very fine cloth, through which the flour (74) passes and goes to the flour bin. Particles of the middlings that are too coarse to pass through the cloth go over the end of the reel to another set of rolls and are ground again. This process is repeated for all grades of middlings until all have been reduced to flour. The "clears" and lower grades of flour are made from the fine bran and dust that are taken out of the middlings during the process of purification. This is done by grinding between smooth rolls the fine bran and dust. The bran will not break up, but flattens out. The product is passed on to a reel covered with fine cloth, through which the flour passes. This flour contains very fine particles of bran which it is impossible to separate from it, and therefore this flour can not be run into the highest grades of flour. It is sold as either "first clear" (75), "second clear" (76), or "red dog" (77), according to the amount of bran it contains.

Conclusions.

The phosphoric anhydride determination of wheat and corn products yields fairly satisfactory information as to the content of these products in accessory foods. A low phosphoric anhydride content indicates that the product is poor in vitamins.

TABLE 1.—*Corn products—Content in P_2O_5 and vitamins.*

Sample No.	Nature of product.	Source.	Degree of milling.	P_2O_5 in per cent.	Estimated vitamin content (from feeding experiments).	
					Fat-soluble vitamin.	Antineuritic vitamin.
1	Corn whole.....	Connecticut.....	Not milled.....	0.77	Relatively high.	High.
2	do.....	California.....	do.....	.84	do.....	Do.
3	do.....	Indiana.....	do.....	.73	do.....	Do.
4	do.....	Tennessee.....	do.....	.69	do.....	Do.
5	do.....	Alabama.....	do.....	.57	do.....	Do.
6	do.....	Georgia.....	do.....	.61	do.....	Do.
25	Corn meal.....	Georgia (buhr mill).	Undermilled; considerable bran and germ.	.77	do.....	Do.
27	do.....	South Carolina.....	do.....	.79	do.....	Do.
83	do.....	Tennessee (buhr mill).	do.....	.67	do.....	Do.
32	do.....	Georgia (buhr mill).	do.....	.66	do.....	Do.
31	do.....	South Carolina (buhr mill).	do.....	.67	do.....	Do.
36	do.....	do.....	do.....	.63	do.....	Do.
33	Corn grits.....	do.....	do.....	.67	do.....	Do.
30	Hominy.....	do.....	do.....	.64	do.....	Do.
38	Corn bran.....	do.....	Undermilled; contains some germ.	.78	Doubtful (not estimated).	Fairly high. Prevents polyneuritis when added to highly milled corn grits in proportion of 10 gms. to 35 gms.
7	Corn germ.....	Indiana (roller mill).	Germ plus traces of bran.	2.81	High.....	High.
18	Corn meal.....	Maryland (roller mill).	Highly milled...	.29	Low.....	Very low. Produced polyneuritis in 3 weeks.
17	Corn grits.....	North Carolina (roller mill).	do.....	.13	do.....	Do.
9	do.....	Mississippi State Hospital.	do.....	.18	do.....	Do.
10	do.....	Georgia.....	do.....	.17	do.....	Do.
11	do.....	Georgia (U. S. penitentiary).	do.....	.20	do.....	Do.
12	do.....	Mississippi.....	do.....	.17	do.....	Do.
15	do.....	South Carolina.....	do.....	.18	do.....	Do.

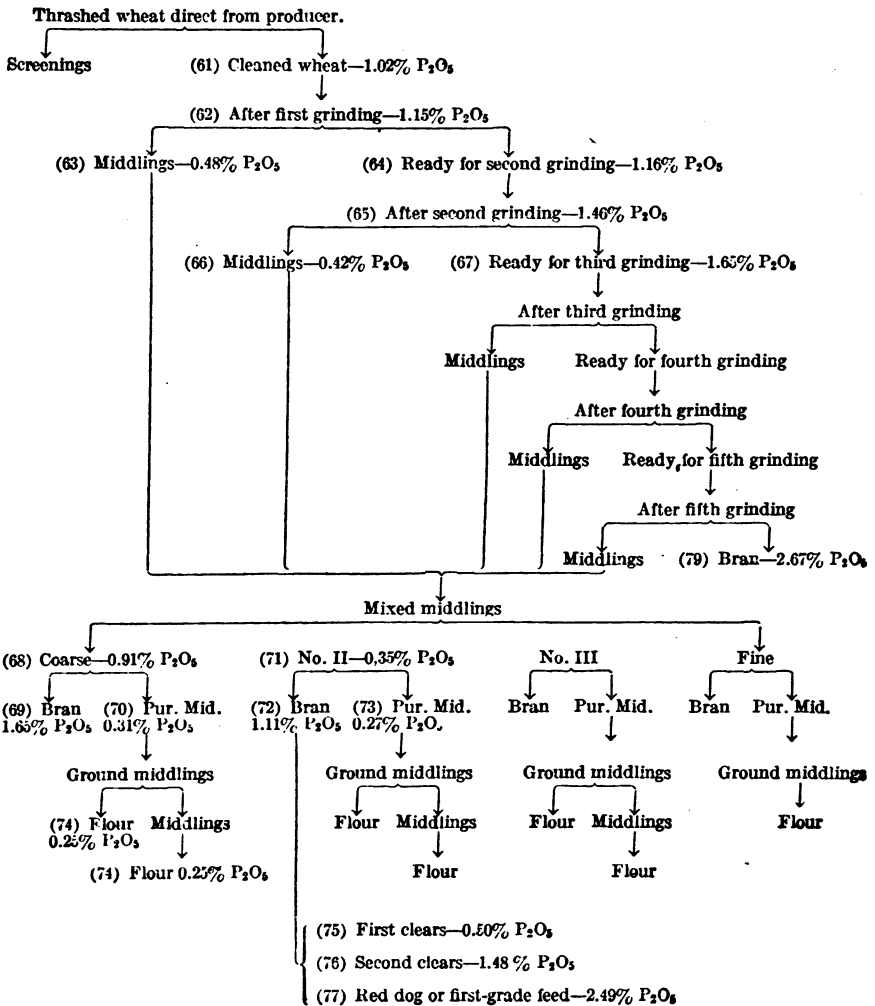
TABLE 2.— P_2O_5 content of various products from same run of corn (Maryland roller mill).

Sample No.	Nature of product.	Appearance.	P_2O_5 in per cent.
37	Corn.....	Whole.....	0.80
39	"Table meal".....	Considerable bran and germ.....	.81
40	"Table hominy".....	No bran or germ.....	.17
41	"Cream meal".....	do.....	.16
43	Corn flour.....	White: no bran or germ.....	.21
42	Corn germ.....	Largely germ; little bran.....	2.57
44	Corn bran.....	Largely bran.....	.69

TABLE 3.—Wheat products—content in P_2O_5 and vitamins.

Sample No.	Nature of product.	Source.	Degree of milling.	P_2O_5 in per cent.	Estimated vitamin content (from feeding experiments).	
					Fat-soluble vitamins.	Antineuritic vitamins.
49	Wheat (whole).....	.....	.....	1.12	Considerable...	High.
61	do.....	.....	.....	1.01	do.....	Do.
86	do.....	South Carolina.....	.....	.89	do.....	Do.
85	"Graham" flour from wheat No. 86.....	South Carolina (buhr mill).....	Undermilled.....	.86	do.....	Do.
92	"Graham" flour.....	do.....	do.....	.82	do.....	Do.
84	Wheat bran.....	do.....	Undermilled; white material adhering to cellulose.....	2.12	Probably deficient (not estimated).	Do.
97	"Whole-wheat" flour.....	Missouri (roller mill).....	Undermilled; contains some germ and bran.....	.62	Considerable...	Do.
98	"Red dog" feed..	Washington, D. C. (roller mill).....	Undermilled.....	.92	do.....	Do.
103	"White" middlings.....	do.....	do.....	1.65	do.....	Do.
101	"Brown" middlings.....	do.....	do.....	1.88	do.....	Do.
88	Wheat flour from No. 86.....	South Carolina (buhr mill).....	Highly milled.....	.26	Very deficient..	Deficient.
91	"Patent" flour..	Virginia.....	do.....	.20	do.....	Very deficient.
94	do.....	Michigan.....	do.....	.21	do.....	Do.
95	do.....	Maryland.....	do.....	.25	do.....	Do.
93	do.....	South Carolina.....	do.....	.22	do.....	Do.

Diagram of flour milling process and distribution of phosphorus.



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.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED JUNE 4.

CAMP BEAUREGARD ZONE, LA.		CAMP DODGE ZONE, IOWA—continued.	
Alexandria:	Cases.	Smallpox:	Cases.
Gonorrhea.....	2	Des Moines.....	11
Malaria.....	1	Fort Des Moines.....	1
Measles.....	1	Syphilis:	
Mumps.....	17	Des Moines.....	12
Smallpox.....	3	Tuberculosis:	
Whooping cough.....	1	Des Moines.....	3
Pineville:		Typhoid fever:	
Cerebrospinal meningitis.....	1	Des Moines.....	6
Typhoid fever.....	1		
CAMP BOWIE ZONE, TEX.		CAMP DONIPHAN ZONE, OKLA.	
Fort Worth:		Pneumonia:	
Chicken pox.....	3	Lawton.....	1
Continued fever.....	1	Smallpox:	
Diphtheria.....	1	Ilwaco.....	1
Gonorrhea.....	16	Fletcher.....	2
Scarlet fever.....	1	Typhoid fever:	
Smallpox.....	15	Lawton.....	1
Syphilis.....	12		
Typhoid fever.....	5	CAMP EBERTS ZONE, ARK.	
CAMP DEVENS ZONE, MASS.		Chancroid:	
Chicken pox:		England.....	1
Lunenburg.....	4	Gonorrhea:	
German measles:		Lonoke.....	7
Lunenburg.....	3	England.....	2
Measles:		Carlisle.....	1
Ayer.....	3	Malaria:	
Littleton.....	1	Lonoke, route 1.....	2
Mumps:		Lonoke, route 4.....	2
Lancaster.....	3	England.....	11
CAMP DODGE ZONE, IOWA.		England, route 4.....	1
Diphtheria:		Keo.....	1
Des Moines.....	2	Ward.....	3
Gonorrhea:		Eberts Field.....	2
Des Moines.....	10	Wattensaw.....	1
Measles:		Measles:	
Polk City.....	1	Lonoke.....	2
Scarlet fever:		Lonoke, route 1.....	1
Des Moines.....	6	Cabor, route 1.....	6
Grimes.....	2	Ward.....	2
		Mumps:	
		England.....	3
		Kerr.....	1

CAMP EBERTS ZONE, ARK.—continued.

Pellagra:	Cases.
Keo.....	2
Pneumonia:	
Wattensaw.....	2
Septic sore throat:	
Ward.....	1
Smallpox:	
Scotts.....	1
Syphilis:	
Lenoke.....	1
Tonsillitis:	
Lenoke, route 1.....	1
Wattensaw.....	1
Tuberculosis:	
Ward.....	1
Typhoid fever:	
Lenoke, route 4.....	1
Ward.....	1

CAMP FUNSTON ZONE, KANS.

Junction City:	
Mumps.....	1
Whooping cough.....	3
Manhattan:	
Chicken pox.....	1
Mumps.....	3
Smallpox.....	1
Whooping cough.....	1

CAMP GORDON ZONE, GA.

Chicken pox:	
At'anta.....	4
Diphtheria:	
At'anta.....	1
Dysentery, bacillary:	
At'anta.....	5
Gonorrhea:	
At'anta.....	6
Malaria:	
At'anta.....	3
Measles:	
At'anta.....	11
Mumps:	
At'anta.....	14
Scarlet fever:	
At'anta.....	1
Smallpox:	
At'anta.....	6
Chamblee.....	1
Syphilis:	
At'anta.....	11
Tuberculosis:	
At'anta.....	9
Typhoid fever:	
Chamblee.....	1
Decatur.....	2
Wesley Chapel.....	1
Whooping cough:	
At'anta.....	9

CAMP GREENE ZONE, N. C.

Charlotte Township:	
Chancroid.....	3
German measles.....	1
Gonorrhea.....	23

CAMP GREENE ZONE, N. C.—continued.

Charlotte Township—Continued.	Cases.
Measles.....	4
Mumps.....	2
Syphilis.....	9
Trachoma.....	73
Tuberculosis.....	2
Typhoid fever.....	1
Whooping cough.....	29

GULFPORT HEALTH DISTRICT, MISS.

Gulfport Health District:

Diphtheria.....	1
Measles.....	1
Mumps.....	1

CAMP HANCOCK ZONE, GA.

Augusta:

Chicken pox.....	1
Diphtheria.....	1
Gonorrhea.....	2
Measles.....	4
Syphilis.....	21
Typhoid fever.....	2

CAMP JACKSON ZONE, S. C.¹

Columbia:

Chicken pox.....	7
Measles.....	2
Mumps.....	15
Tuberculosis.....	4
Typhoid fever.....	1
Whooping cough.....	20

New Brookland:

Typhoid fever.....	1
--------------------	---

South Shandon:

Paratyphoid.....	2
------------------	---

CAMP JOSEPH E. JOHNSTON ZONE, FLA.

Chancroid:

Jacksonville.....	9
-------------------	---

Dysentery:

Jacksonville.....	3
-------------------	---

Gonorrhea:

Jacksonville.....	44
-------------------	----

Chimners Mill:

.....	1
-------	---

Hookworm:

Fishers Corner.....	1
---------------------	---

Panama:

.....	2
-------	---

Malaria:

Jacksonville.....	2
-------------------	---

Measles:

Jacksonville.....	1
-------------------	---

Mumps:

Jacksonville.....	2
-------------------	---

Panama:

.....	1
-------	---

Syphilis:

Jacksonville.....	35
-------------------	----

Fishers Corner:

.....	1
-------	---

Trachoma:

Jacksonville.....	2
-------------------	---

Tuberculosis:

Jacksonville.....	8
-------------------	---

Typhoid fever:

Fishers Corner.....	1
Jacksonville.....	4
South Jacksonville.....	1

¹ Report for week ended June 1, 1918.

CAMP JOSEPH E. JOHNSTON ZONE, FLA.—contd.

Whooping cough:	Cases.
Fishers Corner.....	1
Jacksonville.....	30
Lackawanna.....	1
Ortega.....	2
Seaboard Air Line shops.....	1

FORT LEAVENWORTH ZONE, KANS.

Leavenworth:	
Diphtheria.....	3
Measles.....	1
Scarlet fever.....	1
Smallpox.....	4
Tuberculosis.....	3
Leavenworth County:	
Pneumonia, lobar.....	1

CAMP LEWIS ZONE, WASH.

Mumps:	
Parkland.....	1
Roy.....	1
Steilacoom.....	1
Scarlet fever:	
Roy.....	3
Spanaway.....	1
Tuberculosis:	
Clover Creek.....	1
Whooping cough:	
American Lake.....	8
Parkland.....	1

CAMP LOGAN ZONE, TEX.

Chicken pox:	
Houston.....	2
Gonorrhea:	
Houston.....	26
Humble.....	1
Pasadena.....	1
Mumps:	
Houston.....	2
Syphilis:	
Houston.....	13
Humble.....	1
Goose Creek.....	1
Typhoid fever:	
Houston.....	1
Whooping cough:	
Houston.....	1

CAMP MACARTHUR ZONE, TEX.

Waco:	
Gonorrhea.....	1
Mumps.....	3
Poliomyelitis.....	1
Tuberculosis.....	2
Typhoid fever.....	4

CAMP MCLELLAN ZONE, ALA.

Diphtheria:	
Anniston.....	1
Malaria:	
Precinct 15.....	3
Measles:	
Anniston.....	3
Smallpox:	
Anniston.....	3
Precinct 2.....	1
Precinct 21.....	2
Typhoid fever:	
Anniston.....	1

NORFOLK COUNTY NAVAL DISTRICT, VA.

Cerebrospinal meningitis:	Cases.
Winona.....	1
Chicken pox:	
Edgewater.....	1
Norfolk.....	2
Malaria:	
Portsmouth.....	1
South Norfolk.....	1
Measles:	
Norfolk.....	2
Portsmouth.....	4
South Norfolk.....	1
Mumps:	
Camp Ostella.....	1
Norfolk.....	1
Norfolk County.....	1
Portsmouth.....	2
Quartermaster Terminal.....	4
Scarlet fever:	
Norfolk.....	1
Norfolk County.....	1
Portsmouth.....	1
Smallpox:	
Quartermaster Terminal.....	1
Tetanus:	
South Norfolk.....	1
Typhoid fever:	
Norfolk.....	1
Whooping cough:	
Portsmouth.....	1

FORT OGLETHORPE ZONE, GA.

Cerebrospinal meningitis:	
Missionary Ridge.....	1
Gonorrhea:	
Chattanooga.....	7
Missionary Ridge.....	1
Mumps:	
East Lake.....	1
Scarlet fever:	
Chattanooga.....	3
East Lake.....	1
Syphilis:	
Chattanooga.....	3
Missionary Ridge.....	1
Tuberculosis:	
Chattanooga.....	1
Typhoid fever:	
Chattanooga.....	1
East Lake.....	1
Whooping cough:	
Chattanooga.....	1

CAMP PIKE ZONE, ARK.

Cerebrospinal meningitis:	
Little Rock.....	1
Chicken pox:	
Little Rock.....	1
Diphtheria:	
Little Rock.....	2
Dysentery:	
North Little Rock.....	1
Gonorrhea:	
Little Rock.....	9
Seattle.....	2

CAMP PIKE ZONE, ARK.—continued.

Malaria:	Cases.
Little Rock.....	12
North Little Rock.....	2
Nonresidents.....	3
Measles:	
Little Rock.....	5
Mumps:	
Little Rock.....	2
North Little Rock.....	2
Pellagra:	
Little Rock.....	1
Pneumonia:	
Little Rock.....	1
Scarlet fever:	
Little Rock.....	2
Smallpox:	
Little Rock.....	2
Syphilis:	
Little Rock.....	10
Scotts.....	1
Tuberculosis:	
Little Rock.....	5
Keo.....	1

CAMP SEVIER ZONE, S. C.

Chick Springs Township:	
Cerebrospinal meningitis.....	2
Dysentery.....	1
Mumps.....	2
Tuberculosis, pulmonary.....	1
Greenville Township:	
Tuberculosis, pulmonary.....	1

CAMP SHELBY ZONE, MISS.

Hattiesburg:	
Chicken pox.....	1
Dysentery.....	1
Hookworm.....	2
Malaria.....	20
Meningitis, tubercular.....	1
Mumps.....	5
Tuberculosis, pulmonary.....	2
Typhoid fever.....	1
Venereal.....	6
Whooping cough.....	8

CAMP SHERIDAN ZONE, ALA.

Montgomery:	
Chancroid.....	4
Chicken pox.....	1
Gonorrhea.....	11
Measles.....	1
Syphilis.....	3
Tuberculosis, pulmonary.....	5
Typhoid fever.....	1
United States Government clinic:	
Gonorrhea.....	4
Gonorrhea, chronic.....	1
Syphilis.....	2

CAMP SHERMAN ZONE, OHIO.

Chillicothe:	
Diphtheria.....	2
Gonorrhea.....	2
Measles.....	2
Mumps.....	1
Ophthalmia neonatorum.....	1
Scarlet fever.....	3

CAMP ZACHARY TAYLOR ZONE, KY.

Jefferson County:	Cases.
Cerebrospinal meningitis.....	1
Gonorrhea.....	1
Measles.....	2
Trachoma.....	1
Typhoid fever.....	1
Louisville:	
Cerebrospinal meningitis.....	1
Chicken pox.....	3
Diphtheria.....	5
Malaria.....	2
Measles.....	1
Mumps.....	2
Pneumonia.....	1
Rabies in animal.....	1
Scarlet fever.....	1
Smallpox.....	2
Tuberculosis, pulmonary.....	5
Typhoid fever.....	3
Whooping cough.....	2
United States Government clinic:	
Chancroid.....	1
Gonorrhea.....	47
Syphilis.....	44

TIDEWATER HEALTH DISTRICT, VA.

Hampton:	
Mumps.....	2
Whooping cough.....	7
Newport News:	
Chancroid.....	4
Gonorrhea.....	3
Measles.....	4
Mumps.....	2
Scarlatina.....	1
Smallpox.....	1
Syphilis.....	2
Typhoid fever.....	1
Whooping cough.....	3
Phoenix:	
Whooping cough.....	8

CAMP TRAVIS ZONE, TEX.

San Antonio:	
Dysentery.....	1
Gonorrhea.....	36
Measles.....	1
Mumps.....	4
Pneumonia.....	1
Syphilis.....	11
Tuberculosis.....	1
Typhoid fever.....	14

CAMP WADSWORTH ZONE, S. C.

Chicken pox:	
Spartanburg.....	1
Diphtheria:	
Spartanburg.....	1
Gonorrhea:	
Pauline.....	1
Spartanburg.....	11
Measles:	
Moorea.....	1
Pauline.....	1
Spartanburg.....	2

CAMP WADSWORTH ZONE, S. C.—continued.

Mumps:	Cases.
Spartanburg.....	4
Smallpox:	
Arcadia.....	1
Syphilis:	
Spartanburg.....	3
Typhoid fever:	
Arcadia.....	2
Whooping cough:	
Spartanburg.....	7

CAMP WHEELER ZONE, GA.

Macon:	Cases.
Chancroid.....	1
Chicken pox.....	1
Gonorrhea.....	2
Hookworm.....	1
Malaria.....	1
Measles.....	2
Mumps.....	2
Scarlet fever.....	2
Syphilis.....	7
Typhoid fever.....	1
Whooping cough.....	1

DISEASE CONDITIONS AMONG TROOPS IN THE UNITED STATES.

The following data are taken from telegraphic reports received in the office of the Surgeon General, United States Army, for the week ended May 24, 1918:

Annual admission rate per 1,000 (disease only):

All troops.....	1,068.1
Divisional camps.....	764.5
Cantonments.....	1,200.9
Departmental and other troops.....	1,109.1

Noneffective rate per 1,000 on day of report:

All troops.....	39.8
Divisional camps.....	33.4

Noneffective rate per 1,000 on day of report—Con.

Cantonments.....	46.4
Departmental and other troops.....	35.8

Annual death rate per 1,000 (disease only):

All troops.....	5.7
Divisional camps.....	1.9
Cantonments.....	9.0
Departmental and other troops.....	4.1

New cases of special diseases reported during the week ended May 24, 1918.

Camp.	Pneumonia.	Dysentery.	Malaria.	Venereal.		Measles.	Meningitis.	Scarlet fever.	Deaths.	Annual admission rate per 1,000 (disease only).	Noneffective per 1,000 on day of report.
				Total.	New Infections.						
Beauregard.....	5	8	23	40	5	1				1,166.4	48.8
Bowie.....	4		2	24	22					889.4	30.8
Cody.....	5			6					1	531.3	23.2
Doniphan.....		1		12						2,447.3	53.1
Fremont.....	6			34	19	13		3	3	1,030.2	24.6
Greene.....				4	4	8			1	516.4	20.1
Hancock.....			1	51	4		1			1,071.9	55.4
Kearny.....	2			2		2			3	533.0	27.4
Locan.....				13	1	2				299.3	26.6
MacArthur.....										723.8	36.4
McClellan.....	1		1	20	14	3				546.8	27.6
Sevier.....	10			33	11	4			2	498.4	37.4
Shelby.....		6	3	12	4	1	1		3	1,020.9	41.2
Sheridan.....	2		4	35	14				1	514.4	20.0
Wadsworth.....	1			83		15		1		1,153.5	34.9
Wheeler.....	2			21	6				1	572.0	35.9
Custer.....	10			117	4	1			4	673.4	24.4
Devens.....	37		1	28	6	25			4	661.1	38.0
Dix.....	3	2		63	4	9	1	4	2	893.7	39.2
Dodge.....	33			97		10	1	13	12	1,261.9	78.0
Funston.....	13		1	176	63	5	3	3	3	1,031.1	50.7
Gordon.....	24		2	97	2	41	2		14	2,286.5	76.3
Grant.....	5			14		5	2	8	4	437.7	23.9
Jackson.....	17	1	2	81		30	2		15	3,500.9	64.6
J. E. Johnston.....	5		1	43	23	5			3	869.9	37.0
A. A. Humphreys.....	11			11	7	11	1		2	909.1	21.8
Lee.....			1	123	1	11			2	1,082.7	61.7
Lewis.....	13			58	4	7		3	1	777.7	32.5
Meade.....	6			10	6	4	1	1	2	982.5	31.5
Pile.....	10		3	71	14	17	3		13	1,554.4	63.6
Sherman.....	2			81	5	14	1	5	4	1,014.6	43.5
Taylor.....	11			4		14			3	911.9	56.0
Travis.....	33	1	5	50	3	20		1	11	2,345.1	49.0
Upton.....	8			142	35			2	2	843.8	40.7
Northeastern Department.....				11	1	3	1			662.8	27.2

New cases of special diseases reported during the week ended May 24, 1918—Continued.

Camp.	Pneumonia.	Dysentery.	Malaria.	Venereal.		Measles.	Meningitis.	Scarlet fever.	Deaths.	Annual admission rate per 1,000 (disease only).	Non-effective per 1,000 on day of report.
				Total.	New infectious.						
Eastern Department.....			1	22	12	4			3	871.8	28.9
Southeastern Department.....	1			62	25	9			3	998.1	31.9
Central Department.....	3			24	10	8		4	3	1,225.2	62.0
Southern Department.....	19	3	3	156	37	70	1	11	6	1,168.6	33.7
Western Department.....				31	7	12		3	1	722.2	23.2
Aviation, Signal Corps.....	9		3	124		14	2	4	11	1,134.5	31.4
Alcatraz, Disciplinary Barracks.....				1						478.5	18.4
Columbus Barracks.....	1			8	2			1		643.0	21.1
Depot, Provisional Corps and Army Troops.....	1		3	4					1	1,174.9	46.6
Edgewood-Aberdeen.....		1		2	1	1				300.5	11.1
El Paso.....	7			165	11	12		3	4	585.5	19.1
Hoboken.....				3						979.2	56.2
Holabird.....	5		1	188	8	5				619.8	3.9
Jefferson Barracks.....										2,366.4	86.1
Leavenworth, Disciplinary Barracks.....	1							1	2	1,166.2	37.4
Logan, Fort.....	1			5				3		1,233.3	70.6
McDowell, Fort.....	2			43		1				2,437.5	86.2
Newport News.....	10		2	99	34	8		1	5	800.1	48.1
Raritan.....										490.6	27.7
Slocum, Fort.....	2			26		1				2,311.3	44.4
Springfield Armory.....										276.6	21.2
Thomas, Fort.....	1			17		8			1	1,383.7	38.4
Watervliet.....										536.0	51.5
West Point.....				2						801.4	11.7
National Guard Departments.....				15	7	2		1	1		
National Army Departments.....	9	1	1	481	158	20		8	4		
Total.....	352	24	65	3,145	595	453	21	84	161	1,068.1	39.8

Annual rate per 1,000 for special diseases.

Disease.	All troops in United States. ¹	Departmental and other troops. ¹	Divisional camps. ¹	Cantonments. ¹	Expeditionary forces. ²
Pneumonia.....	14.4	8.5	6.9	23.3	12.8
Dysentery.....	.98	.6	2.6	.4	.3
Malaria.....	2.66	1.6	6.0	1.5	1.0
Venereal.....	129.0	176.2	69.0	123.1	37.8
Paratyphoid.....	.0	.0	.0	.0	.0
Typhoid.....	.1	.1	.0	.2	.0
Measles.....	18.27	21.0	8.7	21.2	12.3
Meningitis.....	.98	.4	.5	1.6	1.4
Scarlet fever.....	3.4	4.7	.7	.38	5.7

¹ Week ended May 24, 1918.

² Week ended May 16, 1918.

CURRENT STATE SUMMARIES.

Connecticut.

From Collaborating Epidemiologist Black, by telegraph, for week ended June 1, 1918:

Smallpox: Voluntown 1, Hartford 1. Cerebrospinal meningitis: New Milford 1, Bridgeport 1. Tetanus: East Lyme 1.

CURRENT STATE SUMMARIES—Continued.**Illinois.**

From Collaborating Epidemiologist Drake, by telegraph, for week ended June 1, 1918:

Diphtheria: 133, of which in Chicago 105, Quincy 5, Alton 5. Scarlet fever: 46, of which in Chicago 22. Smallpox: 109, of which in Quincy 11, Argenta 9, Peoria 6, East Moline 7, Springfield 13, Elgin State Hospital 13. Meningitis: 8, of which in Quincy 1, Chicago 7. Poliomyelitis: 4, of which in Blue Island 1, Alton 2, Petersburg 1.

Indiana.

From the State Board of Health of Indiana, by telegraph, for week ended June 1, 1918:

Smallpox: Epidemic Clark County; cases at Columbus, Princeton, Bloomington, Anderson, Rome City. Infantile paralysis: One death Newpoint, Decatur County. Rabies: Epidemic dogs Boonville, Warrick County.

Louisiana.

From Collaborating Epidemiologist Dowling, by telegraph, for week ended June 1, 1918:

Meningitis 4, smallpox 22, typhoid 26, diphtheria 44.

Massachusetts.

From Collaborating Epidemiologist Hitchcock, by telegraph, for week ended June 1, 1918:

Unusual prevalence: Measles: Lawrence 139, Malden 51, Methuen 39, Salem 46, Waltham 61. Scarlet fever: Gill 11, Montague 9. Whooping cough; Whitman 28.

Minnesota.

From Collaborating Epidemiologist Bracken, by telegraph, for week ended June 1, 1918:

Smallpox, new foci: Cottonwood County, Rosehill Township, 1; Mahnomon County, Pembina Township, 3; Fine County, Fine City Township 1. One cerebrospinal meningitis, 2 poliomyelitis, reported since May 27.

Nebraska.

From the State Board of Health of Nebraska, by telegraph, for week ended June 1, 1918:

Smallpox: Gretna, Grand Island, Marion, Tekamah, Elkhorn. Scarlet fever: Culbertson.

New Jersey.

From Collaborating Epidemiologist Bowen, by telegraph, for week ended June 1, 1918:

Unusual prevalence. Measles: Ramsey Borough.

CURRENT STATE SUMMARIES—Continued.**Ohio.**

From Collaborating Epidemiologist Freeman, by telegraph, for week ended June 1, 1918:

Typhoid: Coitsville Township, Mahoning County, 21 cases. Diphtheria: Warren Township, Washington County, 7 cases.

Virginia.

From the State Board of Health of Virginia, by telegraph, for week ended June 1, 1918:

Smallpox: Stafford County 1, Culpepper 1, Newport News 7. Cerebrospinal meningitis: Charlotte County 1, Elizabeth City 1, Petersburg 1.

Washington.

From Collaborating Epidemiologist Tuttle, by telegraph, for week ended June 1, 1918:

Scarlet fever: Seattle 25, Tacoma 28, Camas 3, Hoquiam 5. Cerebrospinal meningitis: Seattle 1, Tacoma 1, Bremerton 2. Smallpox: Columbia County 9, Seattle 3. One suspected anterior poliomyelitis Cowlitz County.

CEREBROSPINAL MENINGITIS.**State Reports for February, March, and April, 1918.**

Place.	New cases reported.	Place.	New cases reported.
Alabama (April):		California (April)—Continued.	
Barbour County.....	1	Orange County.....	1
Colbert County.....	2	Santa Ana.....	1
Conceh County.....	1	Riverside County—	
Coosa County.....	1	Perris.....	1
Fayette County.....	1	San Diego County—	
Henry County.....	1	San Diego.....	1
Madison County.....	3	San Francisco.....	9
Morgan County.....	2	San Joaquin County.....	1
Talladega County.....	1	Stockton.....	1
Wilcox County.....	2	San Mateo County—	
Total.....	15	Camp Fremont.....	2
Arkansas (February):		Total.....	29
Calhoun County.....	1		
Chicot County.....	1	Illinois (April):	
Conway County.....	18	Cook County—	
Craighead County.....	1	Chicago.....	39
Perry County.....	1	Henry County—	
Phillips County.....	1	Kewanee.....	1
Saline County.....	4	Jefferson County—	
Total.....	27	Mount Vernon.....	1
		Kane County—	
California (April):		Geneva.....	1
Alameda County—		Macoupin County—	
Oakland.....	1	Nilwood.....	1
Berkeley.....	1	Virden.....	4
Butte County.....	1	Pulaski County—	
Kern County.....	1	Karnak.....	1
Los Angeles County—		Sangamon County—	
Los Angeles.....	4	Thayer.....	1
Lassen County.....	2	Woodford County—	
Napa County.....	1	Roanoke Township.....	1
Napa.....	1	Total.....	50

CEREBROSPINAL MENINGITIS—Continued.

State Reports for February, March, and April, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Iowa (April):		North Dakota (April):	
Keokuk County.....	1	Foster County.....	3
Muscatine County.....	2	Emmons County.....	1
Pottawattamie County.....	1	Total.....	4
Scott County.....	1		
Total.....	5	Ohio (April):	
Kansas (April):		Belmont County.....	1
Barton County—		Cuyahoga County.....	13
Great Bend.....	1	Erie County.....	1
Bourbon County—		Franklin County.....	1
Fort Scott.....	1	Hamilton County.....	10
Butler County—		Lake County.....	1
Eldorado (R. D.).....	1	Licking County.....	1
Coffey County—		Madison County.....	1
Lebo (R. D.).....	1	Montgomery County.....	1
Crawford County—		Ottawa County.....	1
Pittsburg (R. D.).....	1	Poss County.....	1
Doniphan County—		Scioto County.....	4
Bendena (R. D.).....	1	Trumbull County.....	1
Geary County—		Wood County.....	1
Junction City.....	1	Total.....	38
Greenwood County—		Virginia (March):	
Salem Township.....	1	Alexandria County.....	1
Jefferson County—		Bedford County.....	1
McLouth.....	1	Buchanan County.....	1
Johnson County—		Caroline County.....	1
De Soto.....	1	Elizabeth City County.....	1
Marshall County—		Fauquier County.....	2
Winfield.....	1	Goochland County.....	1
Meade County—		Halifax County.....	1
Plains.....	1	Henrico County—	
Pottawatomie County—		Fichmond.....	3
Emmett.....	2	Lee County.....	2
Riley County—		Louisa County.....	1
Manhattan.....	1	Nelson County.....	1
Sedgewick County—		Norfolk County—	
Wichita.....	3	Norfolk.....	4
Shawnee County—		Northampton County.....	1
Topeka.....	1	Page County.....	1
Wyandotte County—		Prince George County.....	6
Kansas City.....	4	Prince William County.....	3
Total.....	23	Rappahannock County.....	1
Mississippi (April):		Roe bridge County—	
Alcorn County.....	1	Puena Vista.....	1
Bolivar County.....	3	Spotsylvania County—	
Calhoun County.....	1	Fredericksburg.....	1
Coahoma County.....	1	Sussex County—	
De Soto County.....	2	Wakefield.....	2
Harrison County.....	2	Warwick County—	
Hinds County.....	1	Newport News.....	10
Holmes County.....	1	Washington County.....	4
Lowndes County.....	1	Wythe County.....	1
Tate County.....	1	Total.....	51
Warren County.....	2		
Washington County.....	2	Washington (April):	
Yazoo County.....	3	Chelan County.....	1
Total.....	21	Clarke County—	
Nevada (April):		Camas.....	2
Humboldt County.....	1	King County—	
New Jersey (April):		Seattle.....	2
Atlantic County.....	1	Pierce County—	
Bergen County.....	3	Tacoma.....	2
Burlington County.....	3	Camp Lewis.....	1
Essex County.....	29	Total.....	8
Gloucester County.....	1		
Hudson County.....	3	Wyoming (April):	
Passaic County.....	3	Natrona County.....	1
Salem County.....	1		
Union County.....	5		
Total.....	49		

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala.	2	.....	New York, N. Y.	15	11
Boston, Mass.	3	 2	North Little Rock, Ark.	1	.....
Bridgeport, Conn.	1	.....	Oklahoma City, Okla.	1	.....
Cambridge, Mass.	2	.....	Petersburg, Va.	1	.....
Chattanooga, Tenn.	.....	1	Pittston, Pa.	1	.....
Chicago, Ill.	12	.....	Plainfield, N. J.	1	.....
Cleveland, Ohio.	2	 1	Portland, Oreg.	.....	1
Cranston, R. I.	1	.....	Providence, R. I.	4	.....
Dayton, Ohio.	1	.....	Quincy, Mass.	1	.....
Detroit, Mich.	3	.....	Racine, Wis.	.....	1
Fall River, Mass.	1	.....	Roanoke, Va.	.....	1
Greenville, S. C.	1	.....	St. Joseph, Mo.	.....	1
Hartford, Conn.	1	 1	St. Louis, Mo.	1	.....
Indianapolis, Ind.	3	.....	Salt Lake City, Utah	1	.....
Little Falls, N. Y.	1	 1	San Diego, Cal.	2	.....
Little Rock, Ark.	2	.....	San Francisco, Cal.	1	.....
Louisville, Ky.	1	 1	Savannah, Ga.	1	.....
Lowell, Mass.	1	.....	Somerville, Mass.	1	.....
Lynn, Mass.	.....	1	Syracuse, N. Y.	1	1
Macon, Ga.	.....	1	Tacoma, Wash.	1	.....
Milwaukee, Wis.	3	3	Taunton, Mass.	1	.....
Montgomery, Ala.	2	1	Troy, N. Y.	1	.....
Nashville, Tenn.	1	2	Washington, D. C.	5	1
Newark, N. J.	2	1	Watertown, Mass.	1	.....
New Bedford, Mass.	1	1	Waycross, Ga.	.....	1
New Haven, Conn.	1	.....	West Springfield, Mass.	1	1
New London, Conn.	.....	1	Youngstown, Ohio.	.....	1
New Orleans, La.	1	1			

DIPHThERIA.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 948.

ERYSIPELAS.

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Brockton, Mass.	1	.....	Milwaukee, Wis.	4	.....
Buffalo, N. Y.	2	.....	Minneapolis, Minn.	2	.....
Burlington, Vt.	.....	1	Nashville, Tenn.	1	1
Chicago, Ill.	17	5	Newark, N. J.	11	.....
Cleveland, Ohio.	2	2	New York, N. Y.	.....	2
Clinton, Iowa.	1	.....	Niagara Falls, N. Y.	2	.....
Denver, Colo.	2	.....	Norfolk, Va.	1	.....
Duluth, Minn.	4	.....	Oakland, Cal.	2	.....
Flint, Mich.	1	.....	Omaha, Nebr.	2	.....
Harrison, N. J.	1	.....	Palestine, Tex.	1	.....
Henderson, Ky.	1	.....	Portland, Oreg.	6	.....
Hornell, N. Y.	.....	5	Providence, R. I.	.....	1
Jackson, Mich.	2	.....	Racine, Wis.	1	.....
Joplin, Mo.	1	8	Richmond, Va.	.....	1
Kansas City, Kans.	1	.....	Rochester, N. Y.	2	.....
Leavenworth, Kans.	1	1	St. Joseph, Mo.	1	.....
Lincoln, Nebr.	1	.....	St. Louis, Mo.	6	.....
Long Beach, Cal.	1	.....	St. Paul, Minn.	5	1
Los Angeles, Cal.	2	.....	San Francisco, Cal.	5	1
Louisville, Ky.	5	1	Schenectady, N. Y.	.....	1
Macon, Ga.	1	.....	Steubenville, Ohio.	1	.....
Manitowoc, Wis.	1	.....	Trinidad, Colo.	2	.....
Milford, Mass.	1	1	Wichita, Kans.	1	.....

LEPROSY.

New Jersey—Phillipsburg.

In July, 1917, two cases of leprosy were discovered in Blackwells Island (N. Y.) Hospital. The patients were brothers, aged 11 and 14 years, respectively. The family were Italians. The children were returned to their father's residence at Phillipsburg, N. J. The mother of these children died in June, 1917. The death certificate gave embolism as the cause of death, but the symptoms were similar to those of the children.

MALARIA.

State Reports for February, March, and April, 1918.

Place.	New cases reported.	Place.	New cases reported.
Alabama (April):		California (April)—Continued.	
Bullock County.....	1	Placer County—	
Calhoun County.....	1	Lincoln.....	3
Coffee County.....	1	Rocklin.....	2
Colbert County.....	5	San Joaquin County.....	1
Callman County.....	3	Stockton.....	2
Dallas County.....	5	Yolo County.....	2
Escambia County.....	3	Yuba County—	
Geneva County.....	1	Marysville.....	3
Houston County.....	32	San Diego County.....	2
Jefferson County.....	11	Camp Kearny.....	2
Lauderdale County.....	3	Tuolumne County.....	1
Lawrence County.....	1	Total.....	28
Limestone County.....	1		
Madison County.....	6	Illinois (April):	
Mobile County.....	1	Hardin County—	
Morgan County.....	1	Rosiclare.....	1
Pike County.....	1	Kankakee County—	
Shelby County.....	5	Waldron.....	1
Sumter County.....	1	Lake County—	
Tuscaloosa County.....	8	Grays Lake.....	1
Walker County.....	1	Perry County—	
Total.....	92	St. Joseph.....	1
		Rock Island County—	
Arkansas (February):		East Moline.....	1
Ashley County.....	8	Union County—	
Bradley County.....	55	Jonesboro.....	2
Chicot County.....	1	Wabash County—	
Clark County.....	20	Bellmont.....	2
Craighead County.....	35	Williamson County—	
Drew County.....	16	Cambria.....	3
Greene County.....	15	Total.....	12
Hot Spring County.....	7		
Izard County.....	7	Mississippi (April):	
Jefferson County.....	6	Adams County.....	17
Little River County.....	4	Alcorn County.....	62
Logan County.....	1	Amite County.....	80
Miller County.....	48	Attala County.....	86
Ouachita County.....	18	Benton County.....	21
Phillips County.....	4	Bolivar County.....	629
Saline County.....	20	Calhoun County.....	62
Sebastian County.....	3	Carroll County.....	58
Sevier County.....	46	Chickasaw County.....	52
St. Francis County.....	25	Choctaw County.....	21
White County.....	10	Claiborne County.....	63
Total.....	349	Clarke County.....	39
		Clay County.....	105
California (April):		Coahoma County.....	381
Butte County.....	3	Copiah County.....	94
Colusa County—		Covington County.....	175
Colusa.....	2	De Soto County.....	54
Contra Costa County—		Forrest County.....	66
Hercules.....	1	Franklin County.....	100
Fresno County—		George County.....	42
Clovis.....	1	Greene County.....	92
Kern County.....	3	Grenada County.....	29

MALARIA—Continued.

State Reports for February, March, and April, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Mississippi (April)—Continued.		Virginia (March):	
Hancock County.....	75	Accomac County.....	16
Harrison County.....	149	Greenbackville.....	3
Hinds County.....	262	Alleghany County.....	1
Holmes County.....	207	Amelia County.....	2
Issaquena County.....	54	Amherst County.....	1
Itawamba County.....	39	Bedford County.....	8
Jackson County.....	39	Brunswick County.....	3
Jasper County.....	93	Buchanan County.....	1
Jefferson County.....	102	Campbell County.....	4
Jefferson Davis County.....	61	Caroline County.....	8
Jones County.....	128	Charlotte County.....	1
Kemper County.....	57	Keyville.....	1
Lafayette County.....	57	Chesterfield County—	
Lamar County.....	92	Winterpock.....	3
Lauderdale County.....	24	Cumberland County.....	3
Lawrence County.....	124	Dinwiddie County.....	2
Leake County.....	51	Elizabeth City County.....	1
Lee County.....	114	Essex County.....	3
Leflore County.....	341	Gloucester County.....	6
Lincoln County.....	108	Greensville County.....	6
Lowndes County.....	67	North Emporia.....	6
Madison County.....	48	Halifax County.....	6
Marion County.....	184	South Boston.....	1
Marshall County.....	21	Hanover County.....	3
Monroe County.....	134	Henrico County.....	3
Montgomery County.....	59	Richmond.....	3
Neshoba County.....	21	Isle of Wight County.....	11
Newton County.....	48	Smithfield.....	8
Noxubee County.....	40	James City County.....	4
Oktibbeha County.....	96	King and Queen County.....	4
Panola County.....	114	King William County.....	1
Pearl River County.....	74	Lancaster County.....	3
Perry County.....	169	Lee County.....	1
Pike County.....	122	Louisa County.....	3
Pontotoc County.....	105	Lunenburg County.....	6
Prentiss County.....	54	Victoria.....	1
Quitman County.....	249	Mathews County.....	2
Rankin County.....	71	Mecklenburg County.....	1
Scott County.....	54	Middlesex County.....	8
Sharkey County.....	155	Nansemond County.....	13
Simpson County.....	42	Suffolk.....	4
Smith County.....	45	Northampton County.....	10
Stone County.....	47	Cape Charles.....	2
Sunflower County.....	445	Northumberland County.....	4
Tallahatchie County.....	241	Nottaway County.....	1
Tate County.....	123	Crewe.....	1
Tippah County.....	54	Pittsylvania County.....	7
Tishomingo County.....	84	Powhatan County.....	6
Tunica County.....	181	Prince George County.....	8
Union County.....	62	Hopewell.....	3
Warren County.....	217	Princess Anne County.....	29
Washington County.....	228	Prince William County.....	1
Wayne County.....	85	Rockingham County—	
Webster County.....	36	Bridgewater.....	3
Wilkinson County.....	30	Southampton County.....	3
Winston County.....	59	Franklin.....	2
Yalobusha County.....	59	Spottsylvania County.....	2
Yazoo County.....	279	Stafford County.....	3
		Surry County.....	12
		Sussex County.....	8
		Washington County—	
		Abingdon.....	1
		York County.....	3
Total.....	8,707	Total.....	270
New Jersey (April):			
Bergen County.....	1		
Burlington County.....	1		
Essex County.....	1		
Somerset County.....	1		
Total.....	4		

MALARIA—Continued.

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....	6	.....	Memphis, Tenn.....	2	2
Anniston, Ala.....	2	.....	Mobile, Ala.....	.....	1
Berkeley, Cal.....	1	.....	Montgomery, Ala.....	3	.....
Birmingham, Ala.....	2	.....	North Little Rock, Ark.....	2	.....
Dallas, Tex.....	.....	1	Oklahoma City, Okla.....	.....	1
Hattiesburg, Miss.....	7	.....	Palestine, Tex.....	15	.....
Houston, Tex.....	.....	1	Passaic, N. J.....	1	.....
Joplin, Mo.....	4	.....	San Francisco, Cal.....	2	.....
Laurel, Miss.....	8	.....	Savannah, Ga.....	.....	1
Little Rock, Ark.....	4	.....	Tuscaloosa, Ala.....	4	.....
Macon, Ga.....	3	.....	Waycross, Ga.....	.....	1
Marshall, Tex.....	2	.....	Yonkers, N. Y.....	.....	1
McAlester, Okla.....	2	.....			

MEASLES.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 948.

PELLAGRA.

State Reports for February, March, and April, 1918.

Place.	New cases reported.	Place.	New cases reported.
Alabama (April):		Illinois (April):	
Autauga County.....	2	Southern Illinois State Penitentiary.....	1
Calhoun County.....	1		
Chilton County.....	1	Kansas (April):	
Clay County.....	1	Cherokee County—	
Colbert County.....	2	Galena (I R. D.).....	2
Cullman County.....	1	Montgomery County—	
Etowah County.....	1	Coffeyville.....	1
Hale County.....	1	Sedgwick County—	
Houston County.....	1	Wichita.....	1
Jefferson County.....	21	Total.....	4
Lauderdale County.....	2		
Lee County.....	2	Mississippi (April):	
Limestone County.....	1	Adams County.....	2
Lowndes County.....	2	Alcorn County.....	6
Madison County.....	9	Amite County.....	2
Mobile County.....	1	Attala County.....	1
Montgomery County.....	5	Benton County.....	5
Pickens County.....	1	Bolivar County.....	65
Russell County.....	1	Calhoun County.....	2
Shelby County.....	1	Carroll County.....	2
Tuscaloosa County.....	11	Chickasaw County.....	14
Walker County.....	1	Claiborne County.....	4
Winston County.....	1	Clarke County.....	6
Total.....	70	Clay County.....	9
		Coahoma County.....	76
Arkansas (February):		Copiah County.....	27
Ashley County.....	1	De Soto County.....	7
Clark County.....	1	Forrest County.....	2
Craighead County.....	1	Franklin County.....	1
Hempstead County.....	1	George County.....	6
Hot Spring County.....	4	Greene County.....	9
Saline County.....	2	Hancock County.....	2
Sebastian County.....	4	Harrison County.....	14
Total.....	14	Hinds County.....	39
		Holmes County.....	11
California (April):		Issaquena County.....	1
Fresno County.....	1	Itawamba County.....	4
Kern County.....	1	Jackson County.....	4
Los Angeles County—		Jasper County.....	3
Los Angeles.....	1	Jefferson County.....	7
Orange County—		Jefferson Davis County.....	6
Anaheim.....	1	Jones County.....	8
San Bernardino County.....	1	Kemper County.....	4
Total.....	5	Lafayette County.....	2
		Lamar County.....	3
		Lauderdale County.....	4
		Lawrence County.....	6

PELLAGRA—Continued.

State Reports for February, March, and April, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Mississippi (April)—Continued.		Mississippi (April)—Continued.	
Lee County.....	24	Yalobusha County.....	4
Lefflore County.....	15	Yazoo County.....	25
Lincoln County.....	17		
Lowndes County.....	7	Total.....	780
Madison County.....	11		
Marion County.....	18	Virginia (March):	
Marshall County.....	2	Accomac County.....	1
Monroe County.....	3	Albemarle County—	
Montgomery County.....	2	Charlottesville.....	1
Neshoba County.....	3	Amherst County.....	1
Newton County.....	2	Augusta County.....	1
Noxubee County.....	10	Brunswick County.....	1
Oktibbeha County.....	6	Chesterfield County.....	1
Panola County.....	7	Winterpock.....	2
Pearl River County.....	1	Dinwiddie County—	
Perry County.....	8	Petersburg.....	1
Pike County.....	14	Fairfax County.....	1
Pontotoc County.....	5	Grayson County.....	1
Prentiss County.....	4	Greensville County.....	1
Quitman County.....	20	Halifax County.....	1
Rankin County.....	6	Hanover County.....	2
Scott County.....	5	Henry County.....	3
Sharkey County.....	7	James City County.....	2
Simpson County.....	2	Lee County.....	3
Sunflower County.....	48	Mecklenburg County.....	1
Tallahatchie County.....	35	Northampton County.....	1
Tate County.....	13	Richmond County.....	1
Tippah County.....	2	Roanoke County—	
Tishomingo County.....	14	Roanoke.....	1
Tunica County.....	16	Spotsylvania County—	
Union County.....	9	Fredericksburg.....	1
Warren County.....	22	Wise County.....	1
Washington County.....	18	Big Stone Gap.....	2
Wayne County.....	3	York County.....	2
Webster County.....	6		
Wilkinson County.....	2	Total.....	33

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....	1		Memphis, Tenn.....	2	1
Atlanta, Ga.....		2	Nashville, Tenn.....	3	
Augusta, Ga.....		1	New Orleans, La.....	2	2
Birmingham, Ala.....	1		Petersburg, Va.....	1	
Charleston, S. C.....		3	Pontiac, Mich.....	2	
Chicago, Ill.....	1	1	Richmond, Va.....	1	
Houston, Tex.....	1	1	Spartanburg, S. C.....	1	1
Laurel, Miss.....	2		Waycross, Ga.....		1
Little Rock, Ark.....		2	Wilmington, N. C.....		1
Macon, Ga.....	1	1			

PLAGUE.

Hawaii—Lauparothoe—Plague Rat Found.

The finding of a plague-infected rat was reported May 18, 1918, at Lauparothoe, Hawaii.

PNEUMONIA.

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.	1	.....	Manchester, N. H.	1	1
Atlanta, Ga.	2	11	Marquette, Mich.	1	.....
Binghamton, N. Y.	1	.....	Marshall, Tex.	1	.....
Boston, Mass.	15	22	McAlester, Okla.	2	.....
Brockton, Mass.	1	1	Melrose, Mass.	2	.....
Brookline, Mass.	1	.....	Michigan City, Ind.	1	1
Cambridge, Mass.	4	1	Middletown, Ohio.	1	.....
Chelsea, Mass.	2	1	Milford, Mass.	1	.....
Chicago, Ill.	185	73	Morgantown, W. Va.	1	.....
Cincinnati, Ohio.	1	10	Mount Vernon, N. Y.	1	.....
Cleveland, Ohio.	12	25	New Albany, Ind.	1	1
Dayton, Ohio.	1	2	Newark, N. J.	54	15
Detroit, Mich.	7	33	New Bedford, Mass.	1	.....
Duluth, Minn.	14	3	North Adams, Mass.	1	.....
Elmira, N. Y.	3	3	North Little Rock, Ark.	2	1
Evansville, Ind.	2	2	North Yakima, Wash.	1	.....
Fall River, Mass.	2	1	Oakland, Cal.	1	1
Fitchburg, Mass.	1	.....	Oshkosh, Wis.	2	2
Flint, Mich.	7	2	Oswego, N. Y.	5	.....
Fort Scott, Kans.	2	.....	Palestine, Tex.	6	.....
Fort Worth, Tex.	2	2	Pittsfield, Mass.	3	1
Fremont, Ohio.	1	.....	Pontiac, Mich.	1	.....
Grand Rapids, Mich.	5	3	Port Chester, N. Y.	2	1
Harrison, N. J.	1	.....	Quincy, Mass.	1	.....
Holyoke, Mass.	3	.....	Reno, Nev.	2	3
Houston, Tex.	1	2	Richmond, Va.	1	3
Independence, Mo.	3	2	Rochester, N. Y.	12	2
Iola, Kans.	3	.....	Rutland, Vt.	4	.....
Irrington, N. J.	1	2	Sacramento, Cal.	1	3
Jackson, Mich.	2	1	San Diego, Cal.	5	5
Joplin, Mo.	1	.....	San Francisco, Cal.	3	10
Kalamazoo, Mich.	2	1	Schenectady, N. Y.	5	5
Kansas City, Kans.	3	.....	Somerville, Mass.	2	2
Kansas City, Mo.	8	11	Springfield, Mass.	10	1
Lackawanna, N. Y.	3	1	Stockton, Cal.	3	3
Laurel, Miss.	1	.....	Troy, N. Y.	2	2
Little Rock, Ark.	3	2	Waco, Tex.	1	.....
Los Angeles, Cal.	9	6	Watertown, Mass.	1	1
Louisville, Ky.	2	1	Wichita, Kans.	4	.....
Lynn, Mass.	3	2	Worcester, Mass.	8	4
Madison, Wis.	1	3	Youngstown, Ohio.	1	1

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for March and April, 1918.

Place.	New cases reported.	Place.	New cases reported.
Alabama (April):		Illinois (April)—Continued.	
Autauga County	1	Cook County—	
Clay County	1	Chicago	10
Total	2	Greene County—	
California (April):		Roodhouse	1
Imperial County	1	Kankakee County—	
Holtville	1	Kankakee	1
Los Angeles County—		Lake County—	
Los Angeles	1	Waukegan	1
San Francisco	1	La Salle County—	
Santa Clara County—		La Salle	1
Palo Alto	1	Will County—	
Siskiyou County	1	Joliet	1
Total	6	Total	16
Colorado (April):		Kansas (April):	
Weld County	1	Doniphan County—	
Illinois (April):		Wathena	1
Cass County—		Maine (April):	
Beardstown	1	Piscataquis County—	
		Foxcroft (town)	1

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.**State Reports for March and April, 1918—Continued.**

Place.	New cases reported.	Place.	New cases reported.
Mississippi (April):		Virginia (March):	
Itawamba County.....	1	Accomac County.....	2
Panola County.....	1	Bedford County.....	1
Total.....	2	Campbell County—	
		Lynchburg.....	1
New Jersey (April):		Caroline County.....	1
Bergen County.....	1	Henrico County—	
Hudson County.....	1	Richmond.....	2
Hunterdon County.....	1	James City County—	
Total.....	3	Williamsburg.....	1
		Rockingham County.....	5
Ohio (April):		Bridgewater.....	5
Allen County.....	1	Smyth County.....	2
Fairfield County.....	2	Total.....	20
Franklin County.....	3		
Knox County.....	1	Washington (April):	
Scioto County.....	1	Chelan County.....	1
Trumbull County.....	1	Douglas County.....	2
Total.....	9	Total.....	3

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.....	2	.....	La Crosse, Wis.....	1	1
Cleveland, Ohio.....	1	.....	Toledo, Ohio.....	1	1
Duluth, Minn.....	1	.....			

RABIES IN ANIMALS.**City Reports for Week Ended May 18, 1918.**

During the week ended May 18, 1918, there were reported five cases of rabies in animals at Detroit, Mich., three cases at Greeley, Colo., one case at Rochester, N. Y., and one case at Winston-Salem, N. C.

SCARLET FEVER.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 948.

SMALLPOX.**State Reports for April, 1918.**

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
California:						
Fresno County.....	2	.....	.....	.....	2	.....
Fresno City.....	6	.....	.....	.....	6	.....
Kern County.....	2	.....	.....	.....	2	.....
Bakersfield.....	1	.....	.....	1	.....	.....
Kings County—						
Hanford.....	1	.....	.....	.....	1	.....
Imperial County—						
Brawley.....	3	.....	.....	.....	3	.....
Calexico.....	4	.....	.....	.....	4	.....

SMALLPOX—Continued.

State Reports for April, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
California—Continued.						
Los Angeles County—						
Los Angeles.....	10			1	8	1
Orange County.....	5				5	
Riverside County—						
Corona.....	2				2	
Blythe.....	5				5	
San Francisco.....	16				15	1
San Joaquin County—						
Stockton.....	4				4	
Siskiyou County.....	2				2	
Stanislaus County.....	3				3	
Modesto.....	2				2	
Tulare County—						
Tulare City.....	4				4	
Total.....	72			2	68	2
Colorado:						
Adams County.....	4				4	
Arapahoe County.....	1				1	
Boulder County.....	3					3
Cheyenne County.....	1				1	
Crowley County.....	1				1	
Delta County.....	2					2
Douglas County.....	5				5	
Denver.....	141		22		115	4
El Paso County.....	1					1
Garfield County.....	11				11	
Huerfano County.....	1				1	
Jefferson County.....	4				3	1
Kit Carson County.....	7				6	1
Larimer County.....	1				1	
Mesa County.....	5				1	4
Morgan County.....	1				1	
Otero County.....	1				1	
Pitkin County.....	1				1	
Pueblo County.....	6				2	4
Rio Blanco County.....	8				5	3
Rio Grande County.....	4		1		3	
Washington County.....	2				2	
Weld County.....	21		1		11	9
Yuma County.....	7		1		2	4
Total.....	239		25		178	36
Kansas:						
Allen County—						
Humboldt (R. D.).....	1				1	
Iola.....	19			1	17	1
La Harpe (1 R. D.).....	7				7	
Moran.....	2				2	
Atchison County—						
Atchison.....	6			3	3	
Effingham.....	1				1	
Huron.....	1				1	
Muscotah (R. D.).....	1				1	
Barton County—						
Ellinwood.....	1				1	
Great Bend (R. D.).....	2				2	
Heizer.....	2				2	
Pawnee Rock.....	1				1	
Bourbon County—						
Fort Scott (2 R. D.).....	36			1	35	
Mapleton (R. D.).....	3				3	
Uniontown (R. D.).....	4			1	3	
Brown County—						
Hiawatha.....	3				3	
Horton.....	8			1	7	
Morrill.....	3				3	
Pendennis.....	1				1	

SMALLPOX—Continued.

State Reports for April, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Butler County—						
Augusta.....	11				11	
Douglas (R. D.).....	2				2	
Eldorado (4 R. D.).....	38				38	
Latham (2 R. D.).....	3				3	
Oil Hill.....	2				2	
Towanda (R. D.).....	4				4	
Whitewater (R. D.).....	1				1	
Chase County—						
Florence.....	2				2	
Chautauqua County—						
Cedra Vale (1 R. D.).....	2				2	
Sedan (2 R. D.).....	3				3	
Cherokee County—						
Baxter Springs.....	3				3	
Columbus (6 R. D.).....	8				8	
Galena.....	9			1	8	
Hallowell.....	1				1	
Scammon.....	5				5	
Sherwin.....	1				1	
Weir (1 R. D.).....	7				7	
Cheyenne County—						
Jaqua.....	1				1	
St. Francis (2 R. D.).....	6				6	
Clark County—						
Ashland (R. D.).....	9			1	8	
Minneola (3 R. D.).....	4				4	
Clay County—						
Clay Center.....	1				1	
Clifton.....	1				1	
Cloud County—						
Clyde (2 R. D.).....	12				12	
Concordia.....	3				3	
Jamestown.....	1				1	
Coffey County—						
Burlington.....	2				2	
Waverly.....	4				4	
Comanche County—						
Coldwater (3 R. D.).....	4				4	
Protection (9 R. D.).....	14				14	
Wilmore.....	2				2	
Cowley County—						
Arkansas City.....	11			1	9	1
Dale.....	1				1	
Udall.....	1				1	
Winfield (1 R. D.).....	7				7	
Crawford County—						
Arcadia.....	1				1	
Chicopee.....	1				1	
Croweburg.....	1				1	
Farlington (R. D.).....	7				7	
Franklin.....	1				1	
Frontenac.....	15				15	
Girard (7 R. D.).....	11				11	
Midway.....	1				1	
Mulberry.....	2				2	
Pittsburg (6 R. D.).....	10				10	
Radley.....	1				1	
Yale.....	1				1	
Decatur County—						
Cedar Bluffs (R. D.).....	1				1	
Lyle.....	8				8	
Oberlin (5 R. D.).....	12				10	2
Doniphan County—						
Elwood.....	4				4	
Severance (R. D.).....	2				2	
Troy (R. D.).....	6				6	
Douglas County—						
Lakeview.....	1				1	
Lawrence (1 R. D.).....	5				5	
Edwards County—						
Belpre (2 R. D.).....	5				5	
Fellsburg.....	3				3	
Kinslev.....	3			2	1	

SMALLPOX—Continued.

State Reports for April, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Ellis County—						
Ellis.....	1				1	
Hays.....	1				1	
Ellsworth County—						
Ellsworth.....	4		1		3	
Kanopolis.....	1				1	
Langley.....	1				1	
Wilson.....	1				1	
Ford County—						
Dodge City.....	2				2	
Sears.....	1				1	
Franklin County—						
Ottawa.....	1				1	
Princeton (11 R. D.).....	13				13	
Rantoul.....	2				2	
Geary County—						
Junction City.....	1				1	
Milford.....	3				3	
Graham County—						
Bogue (R. D.).....	3				3	
Hill City (7 R. D.).....	9			1	8	
Morland (R. D.).....	15				15	
Gray County—						
Cimarron.....	1				1	
Ingalls.....	1				1	
Greenwood County—						
Reece.....	1				1	
Harper County—						
Danville.....	1				1	
Freeport.....	1				1	
Harper.....	2				2	
Harvey County—						
Burton.....	1				1	
Hesston.....	3				3	
Newton (5 R. D.).....	6				6	
Whitewater (R. D.).....	1				1	
Jackson County—						
Straight Creek.....	2				2	
Jefferson County—						
Dunavant.....	1				1	
Perry (1 R. D.).....	2				2	
Williamstown (R. D.).....	2				2	
Jewell County—						
Cawker.....	1				1	
Glen Elder.....	1				1	
Ionia.....	1				1	
Mankato (R. D.).....	3				2	1
Superior, Nebr. (R. D.).....	1				1	
Johnson County—						
Olathe.....	2				2	
Kingman County—						
Mount Vernon.....	3				3	
Kiowa County—						
Mullinville.....	1				1	
Labette County—						
Altamont (R. D.).....	1				1	
Bartlett (R. D.).....	1				1	
Chetopa.....	3				3	
Oswego (R. D.).....	2				2	
Parsons.....	8		1		7	
Leavenworth County—						
Bonner Springs (R. D.).....	1				1	
Easton.....	3				3	
Lansing (R. D.).....	2				2	
Leavenworth (1 R. D.).....	9				9	
Tonganoxie.....	1				1	
Lincoln County—						
Lincoln.....	1			1		
Shady Bend.....	1				1	
Linn County—						
Centerville.....	5				5	
Parker (7 R. D.).....	16			2	14	
Pleasanton (R. D.).....	1				1	
Logan County—						
Oakley.....	2			2		

SMALLPOX—Continued.

State Reports for April, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Lyon County—						
Emporia.....	2				2	
Osage City (R. D.).....	1				1	
Marion County—						
Hillsboro.....	1				1	
Marion (2 R. D.).....	3			1	2	
Tampa (R. D.).....	1				1	
Marshall County—						
Barretts.....	2				2	
Beattie.....	1				1	
Blue Rapids.....	14				14	
Marysville.....	1				1	
Frankfort.....	1				1	
McPherson County—						
Inman.....	3				3	
McPherson.....	1				1	
Mound Ridge.....	1				1	
Miami County—						
Louisburg (2 R. D.).....	3				3	
Osawatimie.....	13			2	10	1
Pao'a (1 R. D.).....	5				5	
Mitchell County—						
Cawker City (R. D.).....	3				3	
Montgomery County—						
Caney.....	4				4	
Cherryvale.....	7			1	6	
Coffeyville.....	27			1	26	
Dearing.....	3				3	
Independence.....	6				6	
Nemaha County—						
Centralia (R. D.).....	2				2	
Corning (R. D.).....	2				2	
Onida.....	4				4	
Seneca.....	3				3	
Sabetha.....	1				1	
Neosho County—						
Chanute (1 R. D.).....	9				7	2
Norton County—						
Norton.....	1				1	
Osage County—						
Overbrook (1 R. D.).....	1				1	
Quenemo.....	1				1	
Wakarusa (R. D.).....	2				2	
Osborne County—						
Alton.....	4				4	
Osborne (2 R. D.).....	31				31	
Tipton (R. D.).....	2				2	
Ottawa County—						
Culver.....	1				1	
Longford.....	2				2	
Minneapolis (3 R. D.).....	9				9	
Pawnee County—						
Larned.....	1				1	
Rozel (10 R. D.).....	16			1	15	
Rush Center.....	1				1	
Phillips County—						
Logan (R. D.).....	1				1	
Phillipsburg.....	1				1	
Pottawatomie County—						
Blaine.....	1				1	
Garrison (R. D.).....	8				8	
Pratt County—						
Cullison (R. D.).....	2				2	
Pratt.....	1				1	
Reno County—						
Castleton (R. D.).....	1				1	
Haven.....	21				21	
Hutchinson (13 R. D.).....	29				26	3
Whiteside (R. D.).....	1				1	
Republic County—						
Belleville (1 R. D.).....	4			1	3	
Courtland (5 R. D.).....	12				12	
Scandia.....	1				1	

SMALLPOX—Continued.

State Reports for April, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Rice County—						
Lyons.....	1				1	
Riley County—						
Manhattan (1 R. D.).....	3				3	
Rooks County—						
Webster (R. D.).....	2				2	
Woodston.....	1				1	
Russell County—						
Bunker Hill (R. D.).....	5				5	
Russell (R. D.).....	3				3	
Saline County—						
Assaria (R. D.).....	1				1	
Salina (3 R. D.).....	27				27	
Solomon (R. D.).....	1				1	
Sedgwick County—						
Cheney.....	2				2	
Furley.....	2				2	
Kechi (R. D.).....	1				1	
Wichita (3 R. D.).....	78				78	
Seward County—						
Liberal.....	6				6	
Shawnee County—						
Shorey.....	1				1	
Tecumseh.....	1				1	
Topeka.....	32				32	
Sheridan County—						
Hoxie.....	2				2	
Studley (R. D.).....	1				1	
Smith County—						
Bellaire.....	1				1	
Stafford County—						
Hudson (2 R. D.).....	2				2	
Macksville.....	7				7	
Stevens County—						
Moscow.....	9				9	
Sumner County—						
Belle Plaine.....	1				1	
Hunnewell.....	1				1	
Oxford.....	1				1	
Wellington.....	1				1	
Thomas County—						
Colby.....	1				1	
Trego County—						
Collyer.....	1			1		
Wakeeney.....	2				2	
Wabaunsee County—						
Belvue (R. D.).....	1				1	
Maple Hill (R. D.).....	1				1	
McFarland.....	1				1	
Washington County—						
Haddam.....	1				1	
Washington.....	1				1	
Wilson County—						
Fredonia (R. D.).....	1				1	
Neodesha.....	1				1	
Woodson County—						
Vernon.....	8				8	
Yates Center.....	13				13	
Wyandotte County—						
Bonner Springs.....	1				1	
Kansas City.....	77				76	1
Rosedale.....	4				4	
Total.....	1,130		2	26	1,090	12
Ohio:						
Allen County.....	44				41	3
Ashland County.....	10					10
Ashtabula County.....	7				6	1
Athens County.....	10				1	9
Augsleize County.....	1				1	1
Brown County.....	6					6

SMALLPOX—Continued.

State Reports for April, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio—Continued.						
Butler County.....	85		2	1	46	36
Clark County.....	2					2
Clinton County.....	7					7
Columbiana County.....	54		4	1	29	20
Coshocton County.....	4				2	2
Crawford County.....	8				7	1
Cuyahoga County.....	139				1	138
Darke County.....	1					1
Defiance County.....	3				3	
Delaware County.....	5				5	
Erie County.....	3				1	2
Fairfield County.....	8				6	2
Fayette County.....	3					3
Franklin County.....	17				14	3
Fulton County.....	6				1	5
Gallia County.....	15				14	1
Green County.....	9			1	8	
Guernsey County.....	13					13
Hamilton County.....	67			1	19	47
Hancock County.....	5				2	3
Hardin County.....	4					4
Henry County.....	25				20	5
Highland County.....	1					1
Hocking County.....	10				10	
Holmes County.....	17		1		5	11
Huron County.....	2			1		1
Jackson County.....	11					11
Jefferson County.....	14				12	2
Knox County.....	1					1
Lake County.....	1				1	
Lawrence County.....	8				4	4
Licking County.....	8				4	4
Logan County.....	2		1			
Lorain County.....	12		2		3	7
Lucas County.....	22		7		11	4
Mahoning County.....	12				2	10
Medina County.....	19		1	1	12	5
Meigs County.....	1					1
Mercer County.....	4			2	2	
Miami County.....	5				3	2
Montgomery County.....	21				1	20
Morgan County.....	5					5
Morrow County.....	1					1
Muskingum County.....	15				4	11
Ottawa County.....	6					6
Paulding County.....	4					4
Perry County.....	20					20
Pickaway County.....	14					14
Pike County.....	4					4
Portage County.....	48		1		5	42
Preble County.....	2					2
Putnam County.....	2				1	1
Richland County.....	6				1	5
Ross County.....	4				1	3
Sandusky County.....	7				5	2
Scioto County.....	58				55	3
Seneca County.....	2				2	
Shelby County.....	6				6	
Stark County.....	9				2	7
Summit County.....	120			2	26	92
Trumbull County.....	9				9	
Tuscarawas County.....	30			1	25	4
Van Wert County.....	11				1	10
Warren County.....	9				7	2
Wayne County.....	15				2	13
Williams County.....	2				2	
Wood County.....	8				4	4
Wyandot County.....	15				3	12
Total.....	1,164		19	11	458	676

SMALLPOX—Continued.

Miscellaneous State Reports.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama (April):			Illinois (April)—Continued.		
Autauga County.....	6		Alexander County—		
Baldwin County.....	3		Cairo.....	1	
Barbour County.....	3		Bureau County—		
Bibb County.....	4		Mineral.....	4	
Butler County.....	3		Cass County—		
Calhoun County.....	51		Beardstown.....	2	
Cherokee County.....	2		Chandlerville.....	4	
Chilton County.....	5		Champaign County—		
Choctaw County.....	1		Champaign.....	4	
Clarke County.....	1		Sidney Township.....	2	
Clay County.....	4		St. Joseph Township..	3	
Colbert County.....	30		Urbana.....	1	
Crenshaw County.....	3		Christian County—		
Dallas County.....	3		Morrisonville.....	2	
Escambia County.....	1		Pana.....	2	
Etowah County.....	3		Taylorville.....	2	
Hale County.....	1		Clinton County—		
Jackson County.....	12		Avison.....	1	
Jefferson County.....	166		Breese.....	4	
Lauderdale County.....	6		Breese Township.....	1	
Lee County.....	6	1	Coles County—		
Madison County.....	3		Charleston.....	2	
Mobile County.....	20		Cook County—		
Monroe County.....	1		Chicago.....	31	
Montgomery County.....	12		Chicago Heights.....	1	
Morgan County.....	6		Cicero.....	3	
Pike County.....	5		Cumberland County—		
Randolph County.....	3		Toledo.....	1	
Shelby County.....	20		Edgar County—		
St. Clair County.....	6		Kansas.....	1	
Tallapoosa County.....	7		Paris.....	4	
Tuscaloosa County.....	7		Franklin County—		
Walker County.....	3		Benton Township.....	5	
Wilcox County.....	1		Christopher.....	2	
Total.....	408	1	Goode Township.....	2	
Arkansas (February):			Royalton.....	3	
Arkansas County.....	16		Six Mile.....	2	
Ashley County.....	18		West City.....	4	
Bradley County.....	11		Ziegler.....	4	
Clark County.....	2		Fulton County—		
Conway County.....	19		Bryant.....	10	
Craighead County.....	19		Buckhart Township.....	2	
Dallas County.....	6		Canton Township.....	1	
Desha County.....	3		Gallatin County—		
Drew County.....	24		Greene.....	1	
Faulkner County.....	4		Ridgeway.....	1	
Franklin County.....	3		Greene County—		
Garland County.....	3		Wrights Township....	6	
Greene County.....	12		Hamilton County—		
Hempstead County.....	12		Knights Prairie		
Hot Spring County.....	8		Township.....	2	
Izard County.....	7		Harden County—		
Jefferson County.....	33		Hicks Township.....	1	
Lee County.....	2		Henry County—		
Lincoln County.....	25		Alba Township.....	2	
Little River County.....	2		Colona Township.....	1	
Logan County.....	8		Kewanee.....	1	
Monroe County.....	4		Jackson County—		
Ouachita County.....	28		Degonia Township.....	2	
Phillips County.....	10		Elk Township.....	12	
Poinsett County.....	12		Murphysboro.....	2	
Randolph County.....	1		Jefferson County—		
Saline County.....	30		Dodds Township.....	5	
Sebastian County.....	12		Jersey County—		
Sevier County.....	3		Jerseyville.....	2	
Sharp County.....	20		Johnson County—		
St. Francis County.....	13		Vienna.....	2	
Washington County.....	6		Kane County—		
White County.....	200		Aurora.....	3	
Total.....	566		Elgin.....	1	
Illinois (April):			Montgomery.....	1	
Adams County—			Kankakee County—		
Melrose Township....	1		Sumner Township....	2	
Quincy.....	51		Knox County—		
Riverside Township..	14		E. Galesburg.....	1	
Ursa Township.....	1		Henderson Township..	3	
			Salem Township.....	1	
			Yates City.....	7	

SMALLPOX—Continued.

Miscellaneous State Reports—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Illinois (April)—Continued.			Illinois (April)—Continued.		
Livingston County—			Wayne County—		
Bella Prairie Town-			Jasper Township.....	1	.....
ship.....	2	.....	Mount Erie Township	1	.....
Logan County—			Will County—		
Lincoln.....	1	.....	Joliet.....	1	.....
Macon County—			Williamson County—		
Decatur.....	7	.....	Cambria.....	1	.....
Macon.....	2	.....	Energy.....	1	.....
Milan Township.....	2	.....	Herrin.....	3	.....
Macoupin County—			Winnebago County—		
Verden.....	4	.....	Petacaonica.....	2	.....
White City.....	7	.....	Rockton.....	2	.....
Madison County—			Woodford County—		
Alton.....	64	.....	Montgomery Town-		
Collinsville.....	11	.....	ship.....	1	.....
E. Alton.....	5	.....	State Institutions—		
Nameoki Township.....	1	.....	Jacksonville State		
Wood River Town-			Hospital.....	3	.....
ship.....	19	.....	Lincoln State School		
Marion County—			and Colony.....	2	.....
Oden.....	1	.....	Soldiers and Sailors		
Mason County—			Home.....	1	.....
Manito Township.....	2	.....			
McDonough County—			Total.....	524	.....
Bushnell.....	4	.....			
McHenry County—			Iowa (April):		
Harvard.....	1	.....	Adair County.....	1	.....
McLean County—			Appanoose County.....	2	.....
Bloomington.....	1	.....	Audubon County.....	1	.....
LeRoy.....	1	.....	Boone County.....	2	.....
West Township.....	1	.....	Bremer County.....	2	.....
Montgomery County—			Cass County.....	8	.....
Coffeen.....	4	.....	Cerro Gordo County.....	9	.....
E. York Township.....	1	.....	Chickasaw County.....	2	.....
Morgan County—			Clay County.....	2	.....
Jacksonville.....	9	.....	Clayton County.....	10	.....
Peoria County.....			Crawford County.....	1	.....
Averyville.....	8	.....	Dallas County.....	9	.....
Chillicothe Township.....	2	.....	Davis County.....	4	.....
Limestone Township.....	1	.....	Delaware County.....	1	.....
Peoria.....	65	.....	Des Moines County.....	7	.....
Perry County—			Dubuque County.....	2	.....
Duquoin Township.....	2	.....	Emmet County.....	3	.....
Randolph County—			Fayette County.....	2	.....
Chester.....	1	.....	Floyd County.....	2	.....
Chester precinct.....	1	.....	Grundy County.....	4	.....
Rock Island County—			Guthrie County.....	4	.....
Moline.....	1	.....	Hancock County.....	3	.....
Rock Island.....	1	.....	Hardin County.....	4	.....
Saline County—			Harrison County.....	3	.....
Cottage Township.....	1	.....	Henry County.....	7	.....
Harrisburg.....	4	.....	Jasper County.....	7	.....
Sangamon County—			Johnson County.....	11	.....
Curran Township.....	2	.....	Kossuth County.....	3	.....
Shelby County—			Linn County.....	19	.....
Cold Springs Town-			Lucas County.....	1	.....
ship.....	1	.....	Madison County.....	2	.....
Stark County—			Mahaska County.....	7	.....
Goshen Township.....	1	.....	Marion County.....	6	.....
St. Clair County—			Marshall County.....	2	.....
East Carondolet.....	2	.....	Mills County.....	2	.....
Marissa.....	1	.....	Mitchell County.....	1	.....
Stephenson County—			Monona County.....	4	.....
Redott Township.....	2	.....	Monroe County.....	10	.....
Tazewell County—			Montgomery County.....	2	.....
Cincinnati Township.....	1	.....	Osceola County.....	1	.....
Pekin.....	4	.....	Palo Alto County.....	2	.....
Pekin Township.....	2	.....	Plymouth County.....	3	.....
Union County—			Polk County.....	83	.....
Douglas.....	7	.....	Pottowattamie County.....	61	.....
Vermilion County—			Poweshiek County.....	6	.....
Danville.....	5	.....	Ringgold County.....	3	.....
Hoopeston.....	2	.....	Scott County.....	5	.....
Wabash County—			Shelby County.....	2	.....
Mount Carmel.....	1	.....	Sioux County.....	6	.....
Warren County—			Union County.....	1	.....
Monmouth.....	1	.....	Van Buren County.....	2	.....

SMALLPOX—Continued.

Miscellaneous State Reports—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Iowa (April)—Continued.			Mississippi (April)—Contd.		
Wapello County.....	42	.....	Sunflower County.....	71	.....
Washington County.....	2	.....	Tallahatchie County.....	28	.....
Wayne County.....	1	.....	Tate County.....	23	.....
Webster County.....	7	.....	Tippah County.....	10	.....
Winnebago County.....	1	.....	Tunica County.....	7	.....
Woodbury County.....	1	.....	Union County.....	4	.....
Worth County.....	2	.....	Warren County.....	17	.....
Wright County.....	7	.....	Washington County.....	13	.....
Total.....	410	.....	Winston County.....	2	.....
Maine (April):			Yalobusha County.....	1	.....
Aroostook County—			Yazoo County.....	11	.....
Fort Fairfield (town).....	1	.....	Total.....	662	.....
Sherman (town).....	6	.....	Nevada (April):		
St. John (plantation).....	1	.....	Elko County.....	1	.....
Kennebec County—			Humboldt County.....	1	.....
Augusta.....	2	.....	Total.....	2	.....
Benton (town).....	7	.....	New Jersey (April):		
Oxford County—			Atlantic County.....	8	.....
Bethel (town).....	1	.....	North Dakota (April):		
Rumford (town).....	1	.....	Adams County.....	1	.....
Penobscot County—			Bottineau County.....	3	.....
Exeter (town).....	1	.....	Burleigh County.....	1	.....
Bangor.....	2	.....	Cass County.....	4	.....
Piscataquis County—			Hettinger County.....	1	.....
Greenville (town).....	2	.....	La Moure County.....	3	.....
Somerset County—			McHenry County.....	1	.....
Caratunk (plantation).....	1	.....	McKenzie County.....	6	.....
Madison (town).....	4	.....	McLean County.....	2	.....
Total.....	29	.....	Mountain County.....	3	.....
Mississippi (April):			Pembina County.....	1	.....
Adams County.....	2	.....	Pierce County.....	2	.....
Alcorn County.....	9	.....	Ramsey County.....	1	.....
Attala County.....	5	.....	Renville County.....	2	.....
Benton County.....	10	.....	Rolette County.....	1	.....
Bollivar County.....	3	.....	Stutsman County.....	4	.....
Calhoun County.....	2	.....	Towner County.....	1	.....
Carroll County.....	5	.....	Traill County.....	2	.....
Chickasaw County.....	3	.....	Ward County.....	3	.....
Clarke County.....	5	.....	Wells County.....	1	.....
Clay County.....	12	.....	Williams County.....	8	.....
Coahoma County.....	10	.....	Total.....	51	.....
Copiah County.....	3	.....	Virginia (March):		
Covington County.....	13	.....	Albemarle County—		
De Soto County.....	10	.....	Charlottesville.....	2	.....
Forrest County.....	2	.....	Alexandria County.....	2	.....
Franklin County.....	1	.....	Alleghany County.....	4	.....
Greene County.....	2	.....	Clifton Forge.....	2	.....
Harrison County.....	2	.....	Bedford County.....	10	.....
Hinds County.....	31	.....	Botetourt County.....	5	.....
Holmes County.....	19	.....	Franklin County.....	6	.....
Issaquena County.....	6	.....	Gloucester County.....	6	.....
Jasper County.....	11	.....	Grayson County.....	5	.....
Jefferson Davis County.....	1	.....	Halifax County.....	20	.....
Jones County.....	17	.....	Henrico County—		
Kemper County.....	3	.....	Richmond.....	1	.....
Lafayette County.....	24	.....	Lancaster County.....	1	.....
Lamar County.....	1	.....	Lee County.....	10	.....
Lauderdale County.....	60	.....	Loudoun County.....	1	.....
Lee County.....	4	.....	Louisa County.....	4	.....
Leflore County.....	78	.....	Norfolk County—		
Lincoln County.....	11	.....	Norfolk.....	4	.....
Lowndes County.....	8	.....	Northampton County.....	1	.....
Montgomery County.....	5	.....	Cape Charles.....	2	.....
Newton County.....	1	.....	Orange County.....	2	.....
Oktibbeha County.....	7	.....	Pittsylvania County.....	19	.....
Panola County.....	46	.....	Roanoke County—		
Pearl River County.....	5	.....	Roanoke.....	18	.....
Perry County.....	7	.....	Russell County.....	2	.....
Pike County.....	3	.....	Scott County.....	4	.....
Pontotoc County.....	4	.....	Spotsylvania County.....	10	.....
Prentiss County.....	1	.....	Stafford County.....	12	.....
Quitman County.....	6	.....			
Sharkey County.....	11	.....			
Smith County.....	5	.....			
Stone County.....	1	.....			

SMALLPOX—Continued.

Miscellaneous State Reports—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Virginia (March)—Contd.			Washington (April)—Contd.		
Tazewell County.....	13	.....	Spokane County.....	11	.....
Pocahontas.....	3	.....	Cheney (Tyler).....	12	.....
Warwick County.....	4	.....	Itillyard.....	4	.....
Newport News.....	5	.....	Spokane.....	75	.....
Washington County.....	4	.....	Stevens County.....	3	.....
Wise County.....	29	.....	Thurston County--		
East Stone Gap.....	1	.....	Olympia.....	3	.....
York County.....	1	.....	Whatcom County.....	2	.....
Total.....	209	.....	Bellingham.....	2	.....
Washington (April):			Yakima County--	1	.....
Benton County.....	1	.....	Zillah.....		
Chelan County.....	2	.....	Total.....	190	.....
Ferry County.....	2	.....			
Republic.....	2	.....	Wyoming (April):		
King County.....	3	.....	Albany County.....	2	.....
Seattle.....	31	.....	Converse County.....	2	.....
Kittitas County--			Fremont County.....	1	.....
Cle Elum.....	1	.....	Hot Springs County.....	3	.....
Klickitat County.....	1	.....	Johnson County.....	20	.....
Pierce County.....	9	.....	Laramie County.....	3	.....
Tacoma.....	5	.....	Natrona County.....	17	.....
Wilkeson.....	3	.....	Sheridan County.....	1	.....
Snohomish County.....	5	.....	Uinta County.....	1	.....
Arlington.....	8	.....	Total.....	50	.....
Everett.....	4	.....			

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	25	.....	Fremont, Ohio.....	1	.....
Alexandria, La.....	4	.....	Fresno, Cal.....	2	.....
Alton, Ill.....	5	.....	Galesburg, Ill.....	2	.....
Anniston, Ala.....	2	.....	Grand Rapids, Mich.....	8	.....
Atlanta, Ga.....	5	.....	Greeley, Colo.....	2	.....
Barberton, Ohio.....	1	.....	Houston, Tex.....	1	.....
Beloit, Wis.....	1	.....	Independence, Kans.....	2	.....
Birmingham, Ala.....	11	.....	Independence, Mo.....	6	.....
Buffalo, N. Y.....	3	.....	Indianapolis, Ind.....	34	.....
Cairo, Ill.....	1	.....	Iola, Kans.....	9	.....
Canton, Ohio.....	4	.....	Joplin, Mo.....	3	.....
Cape Girardeau, Mo.....	2	.....	Kalamazoo, Mich.....	7	.....
Cedar Rapids, Iowa.....	3	.....	Kansas City, Kans.....	7	.....
Chanute, Kans.....	4	.....	Kansas City, Mo.....	30	.....
Charleston, W. Va.....	6	.....	Knoxville, Tenn.....	3	.....
Chattanooga, Tenn.....	1	.....	La Crosse, Wis.....	3	.....
Chicago, Ill.....	2	.....	Laurel, Miss.....	3	.....
Cincinnati, Ohio.....	9	.....	Leavenworth, Kans.....	3	.....
Cleveland, Ohio.....	32	.....	Lebanon, Pa.....	1	.....
Clinton, Iowa.....	1	.....	Lima, Ohio.....	2	.....
Coffeyville, Kans.....	14	.....	Lincoln, Nebr.....	9	.....
Columbus, Ohio.....	3	.....	Little Rock, Ark.....	2	.....
Council Bluffs, Iowa.....	7	.....	Lorain, Ohio.....	1	.....
Dallas, Tex.....	7	.....	Louisville, Ky.....	2	.....
Danville, Ill.....	4	.....	Ludington, Mich.....	1	.....
Davenport, Iowa.....	7	.....	Macon, Ga.....	2	.....
Dayton, Ohio.....	4	.....	Madison, Wis.....	1	.....
Denver, Colo.....	35	.....	Marion, Ind.....	1	.....
Des Moines, Iowa.....	24	.....	Marshall, Tex.....	1	.....
Detroit, Mich.....	11	.....	McAlester, Okla.....	1	.....
Dubuque, Iowa.....	4	.....	Memphis, Tenn.....	2	.....
Dunkirk, N. Y.....	6	.....	Middletown, Ohio.....	7	.....
Elmira, N. Y.....	1	.....	Minneapolis, Minn.....	16	.....
El Paso, Tex.....	1	.....	Missoula, Mont.....	1	.....
Elyria, Ohio.....	3	.....	Mobile, Ala.....	7	.....
Evansville, Ind.....	4	.....	Moline, Ill.....	1	.....
Fairmont, W. Va.....	1	.....	Montgomery, Ala.....	5	.....
Flint, Mich.....	4	.....	Muncie, Ind.....	5	.....
Fort Dodge, Iowa.....	2	.....	Muscatine, Iowa.....	1	.....
Fort Scott, Kans.....	4	.....	Muskegon, Mich.....	6	.....
Fort Worth, Tex.....	13	.....	New Orleans, La.....	2	.....

SMALLPOX—Continued.

City Reports for Week Ended May 18, 1918—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Niagara Falls, N. Y.	1	.....	Sioux City, Iowa	5	.....
North Little Rock, Ark.	2	.....	Spartanburg, S. C.	1	.....
Oklahoma City, Okla.	24	.....	Spokane, Wash.	17	.....
Omaha, Nebr.	16	.....	Springfield, Ill.	6	.....
Parkersburg, W. Va.	2	.....	Springfield, Mo.	5	.....
Peoria, Ill.	6	.....	Stockton, Cal.	2	.....
Pine Bluff, Ark.	2	.....	Superior, Wis.	1	.....
Pontiac, Mich.	9	.....	Toledo, Ohio	1	.....
Quincy, Ill.	4	.....	Topeka, Kans.	12	.....
Richmond, Ind.	1	.....	Utica, N. Y.	8	.....
Roanoke, Va.	2	.....	Waco, Tex.	2	.....
Rockford, Ill.	1	.....	Walla Walla, Wash.	1	.....
St. Joseph, Mo.	38	.....	Warren, Ohio	1	.....
St. Louis, Mo.	26	.....	Washington, D. C.	2	.....
Salt Lake City, Utah	5	.....	Waterloo, Iowa	3	.....
San Francisco, Cal.	3	.....	Wichita, Kans.	17	.....
Sault Ste. Marie, Mich.	1	.....	Winston-Salem, N. C.	1	.....
Seattle, Wash.	2	.....			

TETANUS.

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Cairo, Ill.	1	1	Kansas City, Mo.	7	1
Chicago, Ill.	1	1	Marshall, Tex.	1	.....
Columbus, Ohio	.....	1	Montgomery, Ala.	.....	1
Dayton, Ohio	.....	1	Pine Bluff, Ark.	1	.....

TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 948.

TYPHOID FEVER.

State Reports for February, March, and April, 1918.

Place.	New cases reported.	Place.	New cases reported.
Alabama (April):		Arkansas (February):	
Barbour County	1	Benton County	1
Bullock County	1	Carrall County	1
Calhoun County	1	Logan County	32
Cherokee County	2	Saline County	1
Chilton County	1	Total	35
Colbert County	1		
Covington County	1	California (April):	
Cullman County	1	Alameda County—	
Dallas County	7	Oakland	3
Etowah County	1	Alameda	1
Franklin County	1	Berkeley	1
Jefferson County	12	Butte County	1
Lauderdale County	2	Contra Costa County—	
Marion County	3	Pittsburg	1
Mobile County	7	Richmond	4
Monroe County	1	Imperial County	2
Montgomery County	1	Calexico	2
Morgan County	4	Los Angeles County	1
Tuscaloosa County	1	Glendale	1
Walker County	3	Long Beach	1
Total	52	Los Angeles	8
		Whittier	1

TYPHOID FEVER—Continued.

State Reports for February, March, and April, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
California (April)—Continued.		Illinois (April)—Continued.	
Fresno County—		Macon County—	
Fresno City.....	1	Decatur.....	1
Madera County.....	2	Madison County—	
Merced County.....	1	Alton.....	1
Orange County.....	2	Mason County—	
Riverside County—		Easton.....	1
Blythe.....	3	McHenry County—	
Corona.....	1	Crystal Lake.....	1
Sacramento County.....	1	Piatt County—	
Sacramento.....	2	Monticello.....	1
San Bernardino County—		Pike County—	
Ontario.....	1	Pleasant Hill.....	4
San Diego County—		Rock Island County—	
Chula Vista.....	1	Moline.....	6
National City.....	1	Rock Island.....	1
San Joaquin County.....	1	Sangamon County—	
Stockton.....	3	Pleasant Plains.....	1
San Francisco.....	8	Rochester.....	1
San Mateo County—		Rochester Township.....	1
Daly City.....	1	Vermilion County—	
Santa Barbara County—		Danville.....	2
Santa Barbara.....	1	Wabash County—	
Santa Cruz County—		Bellmont.....	1
Santa Cruz.....	1	Will County—	
Sonoma County—		Frankfort.....	1
Santa Rosa.....	1	Joliet Township.....	1
Stanislaus County.....	2	Williamson County—	
Newman.....	1	Cambria.....	1
Sutter County—		Total.....	66
Yuba City.....	1		
Yolo County.....	2		
Total.....	65	Kansas (April):	
Colorado (April):		Anderson County—	
Chaffee County.....	4	Garnett.....	1
Denver.....	2	Bourbon County—	
Huerfano County.....	1	Hiattville.....	1
Las Animas County.....	2	Cloud County—	
Mesa County.....	1	Hollis (R. D.).....	1
Montrose County.....	5	Crawford County—	
Otero County.....	1	Pittsburg.....	1
Pueblo.....	1	Ellis County—	
Weld County.....	6	Ellis.....	1
Total.....	23	Greenwood County—	
Illinois (April):		Eureka (I R. D.).....	5
Adams County—		Hamilton.....	1
Quincy.....	1	Jefferson County—	
Cook County—		Winchester (R. D.).....	1
Chicago.....	13	Johnson County—	
Crawford County—		Springhill.....	1
Oblong.....	2	Kearny County—	
De Kalb County—		Lakin.....	1
Sycamore.....	1	Kiowa County—	
Fulton County—		Greensburg.....	1
Lewistown.....	1	Labette County—	
Henry County—		Chetopa.....	1
Cambridge.....	1	Leavenworth County—	
Geneseo Township.....	1	Bonner Springs (R. D.).....	2
Wethersford.....	1	Lansing (State Prison).....	1
Iroquois County—		Leavenworth.....	1
Woodland.....	3	Lincoln County—	
Jersey County—		Sylvan Grove.....	1
Jerseyville.....	2	Vesper.....	1
Kane County—		Lyon County—	
St. Charles.....	1	Olpe.....	1
Lake County—		Montgomery County—	
Lake Forest.....	1	Caney.....	1
Waukegan.....	2	Cherryvale.....	1
La Salle County—		Independence.....	1
La Salle.....	1	Morris County—	
Oglesby.....	1	Council Grove.....	2
Sheridan.....	1	Delavan (R. D.).....	1
Livingston County—		Nemaha County—	
Dwight.....	8	Coring.....	1
		Osage County—	
		Osage City (R. D.).....	1
		Reno County—	
		Haven (R. D.).....	1

TYPHOID FEVER—Continued.

State Reports for February, March, and April, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Kansas (April)—Continued.		Mississippi (April)—Continued.	
Rush County—		Tallahatchie County.....	3
Loretta (R. D.).....	2	Tate County.....	3
Russell County—		Tippah County.....	1
Russell (R. D.).....	1	Tishomingo County.....	3
Sedgwick County—		Tunica County.....	2
Wichita (I R. D.).....	3	Union County.....	2
Shawnee County—		Warren County.....	7
Silver Lake.....	1	Washington County.....	3
Washington County—		Webster County.....	2
Greenleaf.....	3	Wilkinson County.....	1
Morrowville.....	1	Yazoo County.....	4
Wilson County—		Total.....	154
Fredonia.....	1		
North Altoona.....	10	Nevada (April):	
Neodesha (R. D.).....	1	Lander County.....	2
Wyandotte County—		Washoe County.....	1
Bonner Springs (R. D.).....	1	Total.....	3
Kansas City.....	1		
Rosedale.....	1	New Jersey (April):	
Total.....	58	Atlantic County.....	1
		Bergen County.....	2
Maine (April):		Burlington County.....	3
Cumberland County—		Camden County.....	1
Portland.....	1	Cumberland County.....	4
Lincoln County—		Essex County.....	8
Wiscasset (town).....	1	Hudson County.....	5
Penobscot County—		Mercer County.....	2
Old Town.....	1	Middlesex County.....	3
Sagadahoc County—		Monmouth County.....	3
Bowdoinham (town).....	1	Morris County.....	1
Somerset County—		Passaic County.....	3
Madison (town).....	1	Total.....	36
Total.....	5		
		North Dakota (April):	
Mississippi (April):		McHenry County.....	1
Adams County.....	4	Walsh County.....	2
Amite County.....	1	Williams County.....	1
Attala County.....	1	Total.....	4
Benton County.....	1		
Bolivar County.....	17	Ohio (April):	
Calhoun County.....	2	Ashtabula County.....	2
Carroll County.....	2	Athens County.....	1
Choctaw County.....	2	Belmont County.....	5
Claiborne County.....	1	Columbiana County.....	9
Clarke County.....	5	Cuyahoga County.....	9
Coahoma County.....	1	Defiance County.....	4
Copiah County.....	5	Erie County.....	4
Covington County.....	2	Guernsey County.....	1
De Soto County.....	2	Hamilton County.....	2
Forrest County.....	2	Hardin County.....	2
Hancock County.....	1	Harrison County.....	1
Hinds County.....	2	Jefferson County.....	3
Holmes County.....	1	Lawrence County.....	12
Issaquena County.....	1	Lorain County.....	1
Jackson County.....	3	Lucas County.....	3
Jasper County.....	3	Mahoning County.....	3
Jones County.....	5	Meigs County.....	4
Lamar County.....	1	Miami County.....	2
Lauderdale County.....	2	Monroe County.....	2
Lawrence County.....	3	Muskingum County.....	4
Leake County.....	4	Ottawa County.....	3
Leflore County.....	2	Preble County.....	1
Lincoln County.....	2	Putnam County.....	1
Lowndes County.....	3	Ross County.....	3
Madison County.....	4	Sandusky County.....	1
Marion County.....	1	Scioto County.....	1
Neshoba County.....	2	Seneca County.....	3
Okfuskeba County.....	2	Summit County.....	1
Panola County.....	4	Trumbull County.....	6
Pike County.....	5	Tuscarawas County.....	1
Pontotoc County.....	5	Warren County.....	1
Rankin County.....	1	Wood County.....	2
Scott County.....	1	Total.....	98
Sharkey County.....	1		
Stone County.....	1		
Sunflower County.....	15		

TYPHOID FEVER—Continued.

State Reports for February, March, and April, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Virginia (March):		Virginia (March)—Continued.	
Alleghany County.....	2	Washington County.....	2
Clifton Forge.....	3	Wise County.....	1
Amherst County.....	1	Norton.....	2
Botetourt County.....	4	Total.....	65
Buchanan County.....	3		
Campbell County.....	1	Washington (April):	
Brookneal.....	1	Benton County.....	2
Chesterfield County.....	1	Prosser.....	1
Culpeper County.....	1	Chelan County—	
Dickenson County.....	2	Wenatchee.....	3
Fairfax County.....	1	Grays Harbor County.....	1
Floyd County.....	2	King County—	
Fluvanna County.....	1	Seattle.....	1
Halifax County.....	1	Okanogan County—	
Hanover County.....	1	Brewster.....	1
Henrico County—		Pacific County—	
Richmond.....	1	Raymond.....	1
King William County.....	1	Pierce County—	
Louisa County.....	2	Tacoma.....	1
Mechlenburg County.....	2	Skagit County—	
Middlesex County.....	1	Anacortes.....	1
Nelson County.....	2	Spokane County—	
Norfolk County—		Spokane.....	2
Norfolk.....	1	Thurston County—	
Northampton County.....	1	Tenino.....	1
Orange County—		Walla Walla County—	
Orange.....	1	Waitsburg.....	1
Prince Edward County.....	1	Yakima County.....	3
Princess Anne County.....	3	Yakima.....	2
Pulaski County.....	1	Total.....	21
Roanoke County—			
Salem.....	1	Wyoming:	
Rockbridge County.....	1	Goshen County.....	1
Rockingham County.....	1	Johnson County.....	3
Scott County.....	2	Total.....	4
Shenandoah County.....	1		
Southampton County.....	1		
Tazewell County.....	9		
Pocahontas.....	2		

City Reports for Week Ended May 18, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1	.....	Galveston, Tex.....	1	.....
Alexandria, La.....	3	1	Grand Rapids, Mich.....	1	.....
Ashtabula, Ohio.....	1	1	Hartford, Conn.....	1	.....
Atlanta, Ga.....	1	.....	Houston, Tex.....	5	.....
Bellaire, Ohio.....	1	.....	Independence, Mo.....	2	.....
Berkeley, Cal.....	2	.....	Indianapolis, Ind.....	1	.....
Birmingham, Ala.....	2	.....	Ithaca, N. Y.....	1	.....
Bloomington, Ind.....	1	.....	Kansas City, Kans.....	2	.....
Boston, Mass.....	3	.....	Lackawanna, N. Y.....	2	.....
Buffalo, N. Y.....	1	1	Leavenworth, Kans.....	1	.....
Chanute, Kans.....	2	.....	Lima, Ohio.....	1	.....
Charleston, S. C.....	2	.....	Los Angeles, Cal.....	3	1
Charlotte, N. C.....	1	.....	Louisville, Ky.....	3	.....
Chattanooga, Tenn.....	1	.....	Macon, Ga.....	3	1
Chelsea, Mass.....	3	.....	Marlboro, Mass.....	.....	1
Chicago, Ill.....	3	1	Marshall, Tex.....	1	.....
Cincinnati, Ohio.....	1	.....	Memphis, Tenn.....	2	.....
Cleveland, Ohio.....	2	1	Milwaukee, Wis.....	5	.....
Columbia, S. C.....	1	.....	Minneapolis, Minn.....	1	.....
Danville, Ill.....	1	.....	Mobile, Ala.....	1	.....
Dayton, Ohio.....	1	.....	Montgomery, Ala.....	2	.....
Denver, Colo.....	1	.....	Morgantown, W. Va.....	2	.....
Detroit, Mich.....	3	.....	Nashville, Tenn.....	1	1
Dover, N. H.....	1	.....	New Bedford, Mass.....	1	.....
Duluth, Minn.....	1	.....	New Castle, Pa.....	3	.....
Evansville, Ind.....	1	1	New Orleans, La.....	5	3
Fall River, Mass.....	1	.....	Newport, R. I.....	.....	1
Fort Worth, Tex.....	1	.....	New York, N. Y.....	17	3

TYPHOID FEVER—Continued.

City Reports for Week Ended May 18, 1918—Continued.

Ltate.	Cases.	Deaths.	State.	Cases.	Deaths.
Norfolk, Va.	1	—	St. Louis, Mo.	—	1
North Yakima, Wash.	—	—	Salt Lake City, Utah	—	1
Norwalk, Conn.	1	1	San Francisco, Cal.	2	—
Ogdensburg, N. Y.	1	—	Saratoga Springs, N. Y.	1	—
Omaha, Nebr.	—	1	Savannah, Ga.	2	—
Oswego, N. Y.	—	2	Syracuse, N. Y.	—	1
Palestine, Tex.	1	—	Troy, N. Y.	—	1
Petersburg, Va.	1	1	Washington, D. C.	2	—
Pittsburgh, Pa.	2	—	Watertown, Mass.	1	—
Portland, Oreg.	1	—	Wausau, Wis.	1	—
Portsmouth, N. H.	1	1	West Warwick, R. I.	1	—
Reno, Nev.	1	—	Wheeling, W. Va.	2	—
Richmond, Va.	—	1	Wilkinsburg, Pa.	1	—
Riverside, Cal.	1	—	York, Pa.	2	—
Saginaw, Mich.	1	—	Youngstown, Ohio.	1	—

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS,

State Reports for February, March, and April, 1918.

State.	Disease.			State.	Disease.		
	Diphtheria.	Measles.	Scarlet fever.		Diphtheria.	Measles.	Scarlet fever.
Alabama (April)	26	408	22	Mississippi (April)	35	4,041	82
Arkansas (February)	13	1,736	60	New Jersey (April)	498	6,701	462
California (April)	283	3,599	285	Nevada (April)	2	155	16
Colorado (April)	62	289	258	North Dakota (April)	52	69	94
Illinois (April)	725	3,337	583	Ohio (April)	353	2,294	754
Iowa (April)	74	—	422	Virginia (March)	96	4,685	82
Kansas (April)	138	2,219	533	Washington (April)	44	976	353
Maine (April)	15	65	22	Wyoming (April)	17	179	40

City Reports for Week Ended May 18, 1918.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md.	589,621									
Boston, Mass.	756,476	242	76	6	308	4	31		77	33
Chicago, Ill.	2,497,722	643	108	12	160	2	53		335	84
Cleveland, Ohio.	674,073	172	11	2	87		10		63	24
Detroit, Mich.	571,784	198	45	5	113	10	32		67	25
Los Angeles, Cal.	503,812	141	16	3	80	3	10	1	35	20
New York, N. Y.	5,602,841	1,426	264	32	1,121	30	105	6	252	173
Pittsburgh, Pa.	579,090		7		256		11	6	19	
St. Louis, Mo.	757,309	199	57	1	76		23		55	27
From 300,000 to 500,000 inhab- itants:										
Buffalo, N. Y.	468,568	154	9	1	133	2	10		37	24
Cincinnati, Ohio	410,476	126	10		76		4		42	11
Milwaukee, Wis.	436,535	101	7	1	342	4	17		20	13
Minneapolis, Minn	363,454		19	2	98	1	20	1	20	8
Newark, N. J.	406,894	125	9	1	497	7	10	1	46	16
New Orleans, La.	371,747	150	22		2	2			28	28
San Francisco, Cal.	465,516	165	19	4	81		5		20	21
Seattle, Wash.	348,630		3		61		25			
Washington, D. C.	363,360	100	12	2	216	2	19		24	19

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

City Reports for Week Ended May 18, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
From 200,000 to 300,000 inhab- itants:											
Columbus, Ohio.....	214,878	64	1	.....	16	1	23	1	6	7	
Denver, Colo.....	260,800	62	16	1	24	.....	16	.....	8	9	
Indianapolis, Ind.....	271,708	.....	17	6	28	.....	21	.....	6	1	
Kansas City, Mo.....	297,874	28	8	.....	36	3	8	1	1	10	
Louisville, Ky.....	238,910	73	3	1	8	.....	.....	.....	12	6	
Portland, Oreg.....	295,465	60	2	.....	156	1	16	.....	15	11	
Providence, R. I.....	254,960	72	9	1	191	4	12	.....	.....	7	
Rochester, N. Y.....	256,417	58	12	1	116	1	10	.....	29	7	
From 100,000 to 200,000 inhabit- ants:											
Atlanta, Ga.....	190,558	67	2	.....	8	.....	2	.....	11	4	
Birmingham, Ala.....	181,762	72	.....	.....	8	.....	4	.....	5	11	
Bridgeport, Conn.....	121,576	18	2	.....	13	.....	3	.....	4	1	
Cambridge, Mass.....	112,921	29	14	.....	100	1	2	.....	7	4	
Dallas, Tex.....	124,527	5	.....	.....	7	.....	2	.....	1	3	
Dayton, Ohio.....	127,244	36	2	.....	5	.....	2	.....	7	6	
Des Moines, Iowa.....	101,598	.....	4	.....	.....	.....	19	.....	.....	.....	
Fall River, Mass.....	128,366	84	3	.....	5	.....	1	.....	15	6	
Fort Worth, Tex.....	104,562	21	.....	.....	.....	.....	2	.....	1	1	
Grand Rapids, Mich.....	128,291	43	3	1	11	.....	8	.....	6	4	
Hartford, Conn.....	110,900	26	5	.....	5	.....	2	.....	5	3	
Houston, Tex.....	112,307	35	2	.....	10	.....	1	.....	.....	7	
Lawrence, Mass.....	100,560	28	.....	.....	179	4	.....	.....	6	3	
Lowell, Mass.....	113,245	37	1	.....	21	.....	.....	.....	7	3	
Lynn, Mass.....	102,425	30	4	.....	56	.....	.....	.....	6	4	
Memphis, Tenn.....	148,995	43	2	.....	15	.....	4	.....	14	4	
Nashville, Tenn.....	117,057	53	.....	.....	23	.....	1	.....	5	9	
New Bedford, Mass.....	118,158	28	.....	.....	5	.....	1	.....	6	4	
New Haven, Conn.....	149,685	.....	2	.....	.....	.....	.....	.....	8	2	
Oakland, Cal.....	198,604	46	2	.....	12	.....	5	.....	.....	4	
Omaha, Nebr.....	165,470	28	14	.....	13	.....	22	.....	1	1	
Reading, Pa.....	109,381	.....	4	.....	67	.....	2	.....	5	.....	
Richmond, Va.....	156,687	40	1	.....	67	1	1	.....	11	5	
Salt Lake City, Utah.....	117,399	24	5	.....	23	.....	17	1	1	1	
Scranton, Pa.....	146,811	.....	3	.....	12	.....	1	.....	7	.....	
Spokane, Wash.....	150,323	.....	1	.....	.....	.....	4	.....	.....	.....	
Springfield, Mass.....	105,942	28	1	.....	47	.....	7	.....	4	3	
Syracuse, N. Y.....	155,624	.....	3	.....	73	1	7	.....	12	6	
Tacoma, Wash.....	112,770	.....	1	.....	27	.....	32	.....	.....	.....	
Toledo, Ohio.....	191,554	51	1	.....	6	.....	7	.....	19	11	
Worcester, Mass.....	163,314	42	3	.....	5	.....	10	.....	12	2	
Youngstown, Ohio.....	108,385	35	.....	.....	15	.....	2	.....	4	4	
From 50,000 to 100,000 inhabit- ants:											
Akron, Ohio.....	85,625	33	7	1	4	.....	8	.....	5	.....	
Allentown, Pa.....	68,505	.....	2	.....	27	.....	.....	.....	1	.....	
Altoona, Pa.....	58,659	.....	3	.....	17	.....	.....	.....	1	.....	
Augusta, Ga.....	50,245	15	.....	.....	8	.....	.....	.....	.....	.....	
Bayonne, N. J.....	69,893	.....	1	.....	24	.....	3	.....	4	.....	
Berkeley, Cal.....	57,653	11	1	.....	4	.....	2	.....	.....	1	
Binghamton, N. Y.....	53,973	19	4	1	42	.....	.....	.....	5	1	
Brockton, Mass.....	67,448	14	.....	.....	52	.....	.....	.....	3	1	
Canton, Ohio.....	60,852	7	.....	.....	.....	.....	2	.....	.....	1	
Charleston, S. C.....	60,734	36	1	.....	.....	1	.....	.....	.....	3	
Chattanooga, Tenn.....	60,075	5	.....	.....	1	.....	.....	.....	4	2	
Duluth, Minn.....	94,495	22	1	.....	4	.....	3	.....	4	2	
El Paso, Tex.....	63,705	50	2	1	8	2	1	.....	.....	12	
Erie, Pa.....	75,195	.....	10	.....	144	.....	3	.....	10	.....	
Evansville, Ind.....	76,073	18	.....	.....	5	.....	.....	.....	.....	2	
Flint, Mich.....	54,772	13	4	.....	10	.....	2	.....	4	1	
Fort Wayne, Ind.....	76,183	27	5	.....	20	.....	.....	.....	1	.....	
Harrisburg, Pa.....	72,015	.....	2	.....	5	.....	1	.....	.....	.....	
Hoboken, N. J.....	77,214	10	2	.....	1	1	4	1	2	3	
Holyoke, Mass.....	65,286	10	.....	.....	.....	.....	1	.....	2	2	
Johnstown, Pa.....	68,529	.....	2	.....	19	.....	5	.....	4	.....	
Kansas City, Kans.....	90,437	.....	.....	.....	37	.....	10	.....	1	.....	
Lancaster, Pa.....	50,853	.....	.....	.....	10	.....	2	.....	1	.....	
Little Rock, Ark.....	57,343	10	1	.....	4	.....	2	.....	5	.....	
Malden, Mass.....	51,155	13	3	3	82	.....	1	.....	2	2	
Manchester, N. H.....	78,283	22	2	.....	29	.....	1	.....	12	2	
Mobile, Ala.....	58,221	.....	1	.....	1	.....	.....	.....	1	4	

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

City Reports for Week Ended May 18, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 50,000 to 100,000 inhabit- ants—Continued.										
Norfolk, Va.	89,612				14		2			6
Oklahoma City, Okla.	92,943	18					1			3
Passaic, N. J.	71,744	14	3		60				2	1
Peoria, Ill.	71,458	22	2		11		1			4
Portland, Me.	63,867	15	2		2		3			2
Rockford, Ill.	55,185	19			24				5	2
Sacramento, Cal.	66,895	35	5	1	18		4		7	5
Saginaw, Mich.	55,642	19			1					1
St. Joseph, Mo.	85,236	34								1
San Diego, Cal.	53,330	23	1		8		1		6	5
Savannah, Ga.	68,805	35					1		1	3
Schenectady, N. Y.	99,519	19			28		1		5	2
Sioux City, Iowa.	57,073						4			
Somerville, Mass.	87,039	21	6		60		4		4	
South Bend, Ind.	68,946	15			1					2
Springfield, Ill.	61,120	15			18		1		1	
Springfield, Ohio.	51,550	8	2	1	9				2	
Terra Haute, Ind.	66,093	27	3		4		1		2	5
Troy, N. Y.	77,916	21			1				6	1
Utica, N. Y.	85,692	29			70		3		6	4
Wichita, Kans.	70,722		1		8		1		3	
Wilkes-Barre, Pa.	76,776		3		30		2		4	
Yonkers, N. Y.	99,838	23	4		114		1			4
York, Pa.	51,656				17		2			
From 25,000 to 50,000 inhabitants:										
Alameda, Cal.	27,732	4	1		32				1	
Auburn, N. Y.	37,385	7	2		36		1		3	
Austin, Tex.	34,814	20								5
Beaumont, Tex.	27,711	21								4
Boise, Idaho.	33,846	3	1		4		1			
Brookline, Mass.	32,730	6	1		20				1	
Butler, Pa.	27,632		3		3					
Butte, Mont.	43,425		1							
Cedar Rapids, Iowa.	37,308						1			
Central Falls, R. I.	25,636				2		4			
Charleston, W. Va.	29,941	7			5		1			
Charlotte, N. C.	39,823		3		6		2		1	
Chelsea, Mass.	46,192	17	4		13				4	2
Chester, Pa.	41,396				15		1		5	
Clinton, Iowa.	27,386		1		27					
Cohoes, N. Y.	25,211	5			2				2	
Colorado Springs, Colo.	32,971	11	2		5		1		4	3
Columbia, S. C.	34,611		1		4					
Council Bluffs, Iowa.	31,484	11			8		2	1		
Cranston, R. I.	25,987	5			5				2	1
Danville, Ill.	32,261	11							1	1
Davenport, Iowa.	48,811		1		1		5			
Dubuque, Iowa.	39,873						1			
Durham, N. C.	25,061	6			5				2	
Easton, Pa.	30,530				8					
East Orange, N. J.	42,458	8			61				4	2
Elgin, Ill.	28,203	3			1					
Elmira, N. Y.	38,120				23				4	1
Evanston, Ill.	28,501	8								
Everett, Mass.	39,233	8	5		9				3	3
Fitchburg, Mass.	41,781	6			31				2	2
Fresno, Cal.	34,963	5			6		1		1	
Galveston, Tex.	41,803	12			1					2
Green Bay, Wis.	29,353				4		1			
Hammond, Ind.	26,171	11		2			2		1	1
Hazleton, Pa.	28,491		1		36					
Jackson, Mich.	35,396	16	1		19		14	1	1	1
Joplin, Mo.	33,216	8			6		1		5	
Kalamazoo, Mich.	48,886	12			3				2	
Kenosha, Wis.	31,576	6	4		15					
Knoxville, Tenn.	28,676		1		3				5	5
La Crosse, Wis.	31,677	13			1	1			1	
Lima, Ohio.	35,384	14	1		1		4			3
Lincoln, Nebr.	46,515	12			3		3			
Long Beach, Cal.	27,587	5			16		1			
Lorain, Ohio.	36,946		2				1		1	

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

City Reports for Week Ended May 18, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 25,000 to 50,000 inhabit- ants—Continued.										
Macon, Ga.	45,757	18			1				2	3
Madison, Wis.	30,699	12	1		16		8		4	1
McKeesport, Pa.	47,521				21		2			
Moline, Ill.	27,451	12			45	1	1	1		
Montclair, N. J.	26,318	5	1		7				3	
Montgomery, Ala.	43,285	13			1				1	
Mount Vernon, N. Y.	37,009	7	1		20				2	
Muncie, Ind.	25,424	5	2	1					1	1
Muskogee, Okla.	44,210		1		4		1			
Nashua, N. H.	27,327	6	1							
Newark, Ohio.	29,635	5			2					
Newburgh, N. Y.	29,603	6			2		1		1	
New Castle, Pa.	41,133		1		12		1			
Newport, Ky.	31,927	9					1		1	1
Newport, R. I.	30,108	11	1				3	1		
New Rochelle, N. Y.	37,759	9	1		21				1	
Niagara Falls, N. Y.	37,353	14	3		3					2
Norristown, Pa.	31,401				6		1		6	
Norwalk, Conn.	26,899		1						5	2
Oak Park, Ill.	26,654	5	1	1	17		1			
Ogden, Utah.	31,404	14			23		3			
Orange, N. J.	33,080	13			46		1		1	
Oshkosh, Wis.	36,065	7								1
Pasadena, Cal.	46,450	18			30		3		3	4
Perth Amboy, N. J.	41,185	8								
Petersburg, Va.	25,582	8					1		2	1
Pittsfield, Mass.	38,629	14			7		3			
Poughkeepsie, N. Y.	30,390	7			37		1		2	1
Quincy, Ill.	36,798	9			10		2		1	1
Quincy, Mass.	38,136	3	1		42		2		3	
Racine, Wis.	46,496	14			30	1	3	1		3
Roanoke, Va.	43,284	17			32				2	2
Rock Island, Ill.	28,926	4	1		21		2			
Salem, Mass.	48,562	7			49				3	
San Jose, Cal.	38,992				12		2		1	
Sheboygan, Wis.	28,559	9	1		1		1		1	1
Springfield, Mo.	40,341	15					1			
Steubenville, Ohio.	27,445	12	2				1			
Stockton, Cal.	35,358	13			2		1			
Superior, Wis.	46,266	11					4			
Taunton, Mass.	36,283	10	1		2				3	1
Topeka, Kans.	48,726		1		12		13		1	
Waco, Tex.	33,385	19			1				1	
Walla Walla, Wash.	25,136				1					
Warwick, R. I.	29,969						1			
Waterloo, Iowa.	35,559	18			2		2			
Watertown, N. Y.	29,894	3								3
West Hoboken, N. J.	43,139	5			10				3	2
Wheeling, W. Va.	43,377	9			6		2	1		
Williamsport, Pa.	33,809		3				1		18	
Wilmington, N. C.	29,892	9			5				1	
Winston-Salem, N. C.	31,155	18	1		3				1	5
Zanesville, Ohio.	30,863	6								
From 10,000 to 25,000 inhabitants:										
Albuquerque, N. Mex.	14,025	9			3					8
Alexandria, La.	15,333	3							2	
Alton, Ill.	22,874	7								1
Anniston, Ala.	14,112								3	
Appleton, Wis.	17,834	7			2		2			
Asbury Park, N. J.	14,007	4			3					
Ashtabula, Ohio.	21,498	3								
Attleboro, Mass.	19,282	6			4					
Bakersfield, Cal.	16,874	3			1					1
Barberton, Ohio.	13,210			1						
Barre, Vt.	12,169		2				1			
Batavia, N. Y.	13,350	1					1			
Beatrice, Nebr.	10,287	9			4		2			
Bedford, Ind.	10,349	3								
Bellaire, Ohio.	14,348	3			7		1			
Beloit, Wis.	18,072	8	3		24	1	2			
Bethlehem, Pa.	14,142		1		36				1	

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

City Reports for Week Ended May 18, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
From 10,000 to 25,000 inhabitants—Continued.											
Beverly, Mass.	21,645	4			2						
Billings, Mont.	14,422				7						
Bloomfield, N. J.	18,466				3				1		
Bloomington, Ind.	11,383	1					1		3	1	
Braddock, Pa.	21,685	1	1		11						
Bristol, Conn.	15,927	3							2		
Burlington, Vt.	21,617	9					1			2	
Canton, Ill.	13,262	3			12						
Cape Girardeau, Mo.	10,775		1								
Carbondale, Pa.	19,242				1						
Carlisle, Pa.	10,726		1		2						
Chanute, Kans.	12,445				9						
Cheyenne, Wyo.	11,320						7				
Coatesville, Pa.	14,455				4						
Coffeyville, Kans.	17,548				2		5		1		
Concord, N. H.	22,669	7	1								
Connellsville, Pa.	15,455				3		1				
Corning, N. Y.	15,406	5									
Corpus Christi, Tex.	10,432	5	1								
Cortland, N. Y.	13,069	1			2				1		
Dedham, Mass.	10,433		1								
Dover, N. H.	13,272	3			2		1				
Dunkirk, N. Y.	20,743	6							1	1	
Dunmore, Pa.	20,776		1		2		2				
East Liverpool, Ohio.	23,586	6					2			2	
East Providence, R. I.	18,113		1		1		1				
Elwood, Ind.	11,028	4	1		1						
Elyria, Ohio.	18,618	8	1		4						
Englewood, N. J.	12,231	2			20						
Escanaba, Mich.	15,485						1		1		
Eugene, Oreg.	13,572				7						
Eureka, Cal.	14,684	2								1	
Fairmount, W. Va.	15,506				1						
Fargo, N. Dak.	17,389	3	2								
Farrell, Pa.	10,190				2						
Findlay, Ohio.	14,858		1		62				2	1	
Fort Dodge, Iowa.	20,648	2	2	2			4				
Fort Scott, Kans.	10,550	6							1		
Fostoria, Ohio.	10,770	2									
Framingham, Mass.	13,982	4			5				2	1	
Frederick, Md.	11,112	2			6				1		
Fremont, Ohio.	10,882				5						
Fulton, N. Y.	11,908	4			22				2		
Galesburg, Ill.	24,276	10			8						
Geneva, N. Y.	13,711	5			21				5		
Glens Falls, N. Y.	16,894	5			3						
Granite City, Ill.	15,142	2	1		5						
Greeley, Colo.	11,420		3		1		3				
Greenfield, Mass.	11,988	5			1				1		
Greenville, S. C.	18,181	3								1	
Greenwich, Conn.	19,159				14						
Hackensack, N. J.	16,945	5			11					1	
Hancock, Mich.	12,079				2		2		2		
Harrison, N. J.	16,950		2		16					1	
Hattiesburg, Miss.	16,482	2							2	1	
Henderson, Ky.	12,192	7								3	
Holland, Mich.	12,185				1				1	1	
Hoquiam, Wash.	11,666						3				
Hornell, N. Y.	14,685				8						
Independence, Kans.	14,506	6			2						
Independence, Mo.	11,672	7	1		5		4		2	1	
Iola, Kans.	11,068				1						
Irrington, N. J.	16,039	7			16				1		
Ithaca, N. Y.	15,848	5			3						
Janesville, Wis.	14,339	6	2	1			5			1	
Johnstown, N. Y.	10,646	2			1						
Kearny, N. J.	23,539	7	1		22				2	1	
Keokuk, Iowa.	14,008				7		2				
Kokomo, Ind.	20,930	7			3		1			1	
Lackawanna, N. Y.	15,987	8			1					1	

¹ Population Apr. 15, 1910; no estimate made.

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

City Reports for Week Ended May 18, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabit- ants—Continued.										
Lafayette, Ind.	21,286	3								
Lancaster, Ohio.	15,670				5		8			
Laurel, Miss.	11,779	3								
Leavenworth, Kans.	19,363	6			2		3		1	
Lebanon, Pa.	20,779		2		1		7			
Little Falls, N. Y.	13,451	2								
Long Branch, N. J.	15,395	5			31					1
Ludington, Mich.	10,367	2								
Manitowoc, Wis.	13,805	4					2		2	1
Mansfield, Ohio.	22,734		2		18					
Marinette, Wis.	14,610	3			2		1			
Marion, Ind.	19,834	1							1	
Marlboro, Mass.	15,187	4							1	1
Marquette, Mich.	12,409	9					4			
Marshall, Tex.	13,712	4							2	
Massillon, Ohio.	15,310				1					
Melrose, Mass.	17,445	5					1		1	
Michigan City, Ind.	21,512								3	3
Middletown, N. Y.	15,810				3				1	
Middletown, Ohio.	15,625	4			10					
Mishawaka, Ind.	16,385	6			1				1	
Missoula, Mont.	18,214	11	8							
Monessen, Pa.	21,630		1		6		2		1	
Morgantown, W. Va.	13,709	2			2					
Morristown, N. J.	13,284	2			14					
Moundsville, W. Va.	11,153	2							1	1
Mount Carmel, Pa.	20,268		1						1	
Muscatine, Iowa.	17,500				1					
Nanticoke, Pa.	23,126								5	
Natick, Mass.	10,102	3	2		29		1		1	1
New Albany, Ind.	23,629	6			1					
New London, Conn.	20,985	12	1		3		4		2	2
North Adams, Mass.	12,019	11		1					1	2
Northampton, Mass.	19,926	9			3				2	2
North Attleboro, Mass.	11,014	3	1		11		1			
North Braddock, Pa.	15,148				3		1			
North Little Rock, Ark.	14,907	2			2				2	1
North Yakima, Wash.	20,951				11					
Norwood, Ohio.	22,286	3			3		1		2	
Ogdensburg, N. Y.	16,718	9							2	
Oil City, Pa.	19,297				4				5	
Olean, N. Y.	16,621	4								1
Ossining, N. Y.	13,705		1	1	31					
Oswego, N. Y.	24,101	11			3				2	
Palestine, Tex.	11,845	3			2				5	3
Parkersburg, W. Va.	20,612	7			1				1	1
Peabody, Mass.	18,360	4	1						3	
Peekskill, N. Y.	18,530	5				2				
Phoenixville, Pa.	11,714				1					
Pine Bluff, Ark.	17,477						1			
Piqua, Ohio.	14,152	3			1		1			
Pittston, Pa.	18,599		1		3					
Plainfield, N. J.	23,805	5	2		13				2	1
Plattsburg, N. Y.	12,837	1								
Pocatello, Idaho.	12,293				1					
Pomona, Cal.	13,150	6			9		1			
Pontiac, Mich.	17,524	3	1		9				1	1
Port Chester, N. Y.	16,183	2			15		2		1	
Portsmouth, N. H.	11,666	1								
Pottstown, Pa.	16,794		3							
Pottsville, Pa.	22,372				2					
Rahway, N. J.	10,219				3					
Raleigh, N. C.	20,127	13			6				1	1
Red Lands, Cal.	14,000	2			5				1	
Reno, Nev.	14,969	9								
Richmond, Ind.	24,697	7	2		1		1			
Riverside, Cal.	19,763	3			5					2
Rocky Mount, N. C.	12,367	4			1					
Rutland, Vt.	14,831	6					2			
St. Cloud, Minn.	11,817	7					3			
Sandusky, Ohio.	20,193	6			2				1	1

1 Population Apr. 15, 1910; no estimate made.

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

City Reports for Week Ended May 18, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
From 10,000 to 25,000 inhabit- ants—Continued.											
Sanford, Me.....	10,916	5									1
Santa Ana, Cal.....	10,627	6			14		1				
Santa Barbara, Cal.....	14,846	7									
Santa Cruz, Cal.....	14,594	1									
Saratoga Springs, N. Y.....	13,821	8			9				4		
Shamokin, Pa.....	21,129		2		1						
Sharon, Pa.....	18,618		1		22		1				
Sioux Falls, S. Dak.....	16,499	2			1		1				
Southbridge, Mass.....	14,205	3									
Spartanburg, S. C.....	21,365	4	1		7				2		1
Steeleton, Pa.....	15,548				1				1		
Sunbury, Pa.....	16,260				2		1				
Tiffin, Ohio.....	12,867	10									
Trinidad, Colo.....	13,875				1		1				
Tuscaloosa, Ala.....	10,488	4	1						1		
Uniontown, Pa.....	20,780				3						
Vallejo, Cal.....	13,461	2									
Vancouver, Wash.....	13,180				5						
Wakefield, Mass.....	12,733				2		1		2		
Warren, Ohio.....	13,059	8	1		5						
Washington, Pa.....	21,618				3						
Watertown, Mass.....	14,867	4			5						
Wausau, Wis.....	19,239	2					3	1			1
West Chester, Pa.....	13,176				5						
Westfield, Mass.....	18,391	2	2		16				1		
West Orange, N. J.....	13,550	3			25						
West Springfield, Mass.....	10,555	1			5				2		
West Warwick, R. I.....	15,782	8	1		2				1		1
White Plains, N. Y.....	22,465		1		1		2	1	2		1
Wilkesburg, Pa.....	23,228				4		2		1		
Winchester, Mass.....	10,603				2				1		
Winona, Minn.....	¹ 18,583	8									
Woburn, Mass.....	15,969	6									

¹Population Apr. 15, 1910; no estimate made.

FOREIGN.

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

Reports Received During Week Ended June 7, 1918.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Feb. 24-Mar. 9....	3	4	
Calcutta.....	Mar. 3-16.....		102	
Madras.....	Mar. 10-16.....	3	2	
Rangoon.....	Mar. 3-16.....	4	3	
Java:				
Cheribon.....	May 6-29.....			Present.
Philippine Islands:				
Provinces.....				Apr. 7-13, 1918: Cases, 31; deaths, 15.
Bohol.....	Apr. 7-13.....	18	10	
Davao.....	do.....	2	2	
Surigao.....	do.....	11	3	

PLAGUE.

Ceylon:				
Colombo.....	Feb. 13-Mar. 9....	12	11	
India:				Feb. 24-Mar. 9, 1918: Cases, 79,572; deaths, 64,170.
Bassein.....	Feb. 24-Mar. 16....		82	
Bombay.....	Feb. 24-Mar. 9....	88	71	
Henzada.....	Feb. 24-Mar. 16....		46	
Karachi.....	Mar. 8-14.....	46	38	
Madras Presidency.....	Mar. 10-16.....	567	421	
Mandalay.....	Feb. 17-Mar. 16....		284	
Moulmein.....	Feb. 24-Mar. 16....		73	
Myingyan.....	do.....		84	
Pegu.....	do.....		3	
Rangoon.....	Mar. 3-16.....	256	239	
Toungoo.....	Feb. 24-Mar. 16....		37	

SMALLPOX.

Canada:				
New Brunswick—				
St. John.....	May 19-25.....	7		
Nova Scotia—				
Halifax.....	May 12-18.....	3		
China:				Present.
Chungking.....	Mar. 26-Apr. 6....			
Dairen.....	Apr. 6-13.....	8	1	
Tientsin.....	Apr. 6-20.....	4		
Egypt:				
Alexandria.....	Apr. 9-15.....	1		
France:				
Paris.....	Apr. 7-13.....	2	1	
Rouen.....	Apr. 21-27.....	5	2	Including varioloid.
India:				
Bombay.....	Feb. 24-Mar. 9....	393	175	
Calcutta.....	Mar. 3-16.....		21	
Karachi.....	Mar. 8-14.....	25	14	
Madras.....	Mar. 10-16.....	14	5	
Rangoon.....	Mar. 3-16.....	17	8	
Italy:				
Turin.....	Mar. 8-Apr. 7....	24	4	
Japan:				
Nagasaki.....	Apr. 15-28.....	4	1	
Nagoya.....	Mar. 24-30.....	1		
Taihoku.....	Mar. 26-Apr. 22....	27	13	Island of Taiwan.
Tokyo.....	Apr. 15-May 4.....	14		
Philippine Islands:				
Manila.....	Apr. 7-20.....	117	48	Varioloid, 94 cases; 4 deaths.

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 June 7, 1918—Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Austria-Hungary:				
Hungary.....				
Budapest.....	Nov. 26-Jan. 20...	2		Nov. 26, 1917-Jan. 20, 1918: Cases, 16; deaths, 2.
Egypt:				
Alexandria.....	Apr. 2-22.....	562	124	
Germany:				
Breslau District.....	Feb. 3-23.....	4		Dec. 23, 1917-Feb. 23, 1918: Cases, 112; deaths, 9.
Königsberg District.....	do.....	1		Prisoner of war.
Lorraine.....				Dec. 23, 1917-Feb. 23, 1918: Cases, 77; deaths, 4. Of these, 59 cases, 1 death, in workmen's camps at Pontingen and Werningen.
Metz.....	Dec. 23-Feb. 2.....	17	3	
Posen District.....	Feb. 3-23.....	7		
Great Britain:				
Dublin.....	Apr. 21-27.....	1		
Glasgow.....	Apr. 21-May 4.....	2		
Greece:				
Saloniki.....	Mar. 17-Apr. 6.....		15	
Italy:				
Bagnasco.....	Mar. 18-Apr. 7.....	4		Province of Cuneo.
Japan:				
Nagasaki.....	Apr. 15-21.....	1	2	

Reports Received from Dec. 29, 1917, to May 31, 1918.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Antung.....	Nov. 26-Dec. 2.....	3	1	
India:				
Bombay.....	Oct. 28-Dec. 15.....	19	14	
Do.....	Dec. 30-Feb. 23.....	216	190	
Calcutta.....	Sept. 16-Dec. 15.....		135	
Do.....	Dec. 30-Feb. 23.....		53	
Karachi.....	do.....	25	6	
Madras.....	Nov. 25-Dec. 22.....	2	2	
Do.....	Dec. 30-Mar. 9.....	44	24	
Rangoon.....	Nov. 4-Dec. 22.....	5	5	
Do.....	Dec. 30-Mar. 2.....	7	3	
Indo-China:				
Provinces.....				Sept. 1-Dec. 31, 1917: Cases, 168; deaths, 95.
Anam.....	Sept. 1-Dec. 31.....	24	15	
Cambodia.....	do.....	74	54	
Cochin-China.....	do.....	58	24	
Saigon.....	Nov. 22-Dec. 9.....	4	3	
Do.....	Feb. 4-Mar. 11.....	8	3	
Kwang-Chow-Wan.....	Sept. 1-30.....	10	2	
Java:				
East Java.....	Oct. 28-Nov. 3.....	1	1	
West Java.....				
Batavia.....	Oct. 10-Dec. 27.....	49	23	Oct. 19-Dec. 27, 1917: Cases, 102; deaths, 56. Dec. 28, 1917-Feb. 21, 1918: Cases, 38; deaths, 7.
Do.....	Dec. 28-Feb. 21.....	35	1	Dec. 28, 1917-Feb. 5, 1918: Cases, 31. Occurring at 7 localities; 2 cases in encampments.
Palestine.....				
Deir Seneid.....	Dec. 28-Jan. 31.....	13		July 30-Sept. 3, 1917: Cases, 384; deaths, 276.
Sukkarieh.....	do.....	13		Present.
Persia:				
Achraf.....	July 30-Aug. 16.....	90	88	25 cases reported July 31, 1917.
Astrabad.....	July 31.....			
Barfush.....	July 1-Aug. 16.....	39	25	
Chahmirzad.....				
Chahrastagh.....	June 15-July 25.....	10	8	
Chroud.....	Aug. 26-Sept. 3.....	4	2	
Damghan.....	Aug. 26.....			Present.
Kharek.....	May 28-June 11.....	21	13	
Meched.....	Aug. 18-Sept. 2.....	174	82	
Ouzoun Dare.....	Aug. 8.....			Do.
Sabzevar.....	Aug. 24.....			Do.
Sari.....	July 3-29.....	273	144	
Semnan.....	Aug. 31-Sept. 2.....	14	5	
Yekchambe Bazar.....	June 3.....	6		

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

Reports Received from Dec. 29, 1917, to May 31, 1918—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Provinces.....				July 1-Dec. 29, 1917: Cases, 5,964; deaths, 3,655. Dec. 30, 1917-Apr. 6, 1918: Cases, 1,760; deaths, 1,270.
Antique.....	Nov. 18-Dec. 1.....	48	32	
Do.....	Feb. 3-9.....	4	4	
Bohol.....	Nov. 18-Dec. 29.....	169	111	
Do.....	Dec. 30-Apr. 6.....	549	436	
Capiz.....	Nov. 25-Dec. 29.....	27	21	
Do.....	Dec. 30-Mar. 23.....	219	182	
Cebu.....	Dec. 23-29.....	3		
Do.....	Dec. 30-Mar. 30.....	100	54	
Davao.....	Mar. 10-16.....	10	8	
Iloilo.....	Nov. 25-Dec. 29.....	179	135	
Do.....	Dec. 30-Mar. 2.....	97	63	
Leyte.....	Nov. 25-Dec. 22.....	13	12	
Do.....	Feb. 3-Mar. 16.....	50	38	
Mindanao.....	Nov. 25-Dec. 29.....	337	196	
Do.....	Dec. 30-Feb. 9.....	341	220	
Misamis.....	Feb. 24-Apr. 6.....	154	98	
Occidental Negros.....	Nov. 25-Dec. 22.....	177	123	
Do.....	Jan. 13-Apr. 6.....	146	88	
Oriental Negros.....	Nov. 25-Dec. 29.....	99	62	
Do.....	Dec. 30-Mar. 30.....	23	15	
Romblon.....	Nov. 25-Dec. 1.....	1	1	
Surigao.....	Feb. 24-Apr. 6.....	32	35	
Zamboanga.....	do.....	35	29	
Russia:				
Tashkentnine.....	May 13.....			Present.
Tzaritsin.....	do.....			Do.
Siam:				
Bangkok.....	Sept. 16-22.....	1	1	
Turkey in Asia:				
Bagdad.....	Nov. 1-15.....		40	

PLAGUE.

Brazil:				
Bahia.....	Nov. 4-Dec. 15.....	4	4	
Do.....	Dec. 30-Feb. 23.....	4	3	
Rio de Janeiro.....	Dec. 23-29.....	1		
Do.....	Jan. 6-12.....	1	1	
British East Africa:				
Mombassa.....	Oct. 1-Dec. 31.....	31	18	
British Gold Coast:				
Axim.....	Jan. 8.....			Present.
Ceylon:				
Colombo.....	Oct. 14-Dec. 1.....	14	13	
Do.....	Dec. 30-Feb. 16.....	20	17	
China:				
Anhui Province—				Present in North China in January, 1918; pneumonic form.
Fengyanghsien.....	Feb. 27.....		9	Pneumonic.
Pengpu.....	do.....		1	Do.
Chili Province—				
Kalgan.....				Vicinity. Present in February 1918.
Fukien Province—				Present in vicinity.
Amoy.....	Mar. 11-31.....			
Kiangsu Province—				
Nanking.....	Mar. 17-Apr. 5.....	19	15	
Shanshi Province.....				Present in February, 1918; 116 cases estimated.
Ecuador:				
Babahoyo.....	Feb. 1-15.....	1		
Duran.....	Feb. 16-Mar. 30.....	2	1	
Guayaquil.....	Sept. 1-Nov. 30.....	68	24	Reported outbreak occurring about Jan. 17, 1918.
Do.....	Feb. 1-15.....	44	18	
Do.....	Mar. 1-30.....	37	14	
Egypt:				
Alexandria.....	Jan. 14-28.....	1	2	Jan. 1-Nov. 15, 1917: Cases, 722; deaths, 398.
Cairo.....	Dec. 17-23.....	2		
Port Said.....	July 2-Dec. 23.....	13	7	
Suez.....	July 2-Oct. 20.....	62	38	
Hawaii:				
Laupahoehoe.....	May 5.....	1	1	

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

Reports Received from Dec. 29, 1917, to May 31, 1918—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				July 1-Dec. 29, 1917: Cases, 280,258; deaths, 212,022. Dec. 30, 1917-Feb. 23, 1918: Cases, 276,768; deaths, 221,853.
Bassein.....	Dec. 9-29.....		8	
Do.....	Dec. 30-Feb. 23.....		99	
Bombay.....	Oct. 28-Dec. 29.....	147	123	
Do.....	Dec. 30-Feb. 23.....	187	142	
Calcutta.....	Sept. 16-29.....		2	
Do.....	Dec. 30-Feb. 2.....		4	
Henzada.....	Oct. 21-27.....		1	
Do.....	Jan. 5-Feb. 23.....		71	
Karachi.....	Oct. 21-Dec. 29.....	27	20	
Do.....	Dec. 30-Mar. 2.....	48	34	
Madras.....	Feb. 3-Mar. 9.....		3	
Madras Presidency.....	Oct. 31-Nov. 24.....	5,786	4,519	
Do.....	Jan. 6-Mar. 9.....	11,082	8,591	
Mandalay.....	Oct. 14-Nov. 17.....		89	
Do.....	Dec. 30-Feb. 16.....		781	
Moulmein.....	Feb. 17-23.....		1	
Myingyan.....	Dec. 30-Feb. 16.....		407	
Pegu.....	Feb. 10-23.....		2	
Prome.....	Jan. 5-12.....		1	
Rangoon.....	Oct. 21-Dec. 22.....		56	
Do.....	Dec. 30-Mar. 2.....	441	400	
Toungoo.....	Dec. 9-29.....		5	
Do.....	Dec. 30-Feb. 23.....		32	
Indo-China:				
Provinces.....				Sept. 1-Dec. 31, 1917: Cases, 171; deaths, 128.
Anam.....	Sept. 1-Dec. 31.....	45	28	
Cambodia.....	do.....	95	83	
Cochin-China.....	do.....	31	17	
Saigon.....	Oct. 31-Dec. 23.....	17	6	
Do.....	Dec. 31-Mar. 31.....	140	74	
Java:				
East Java.....				Oct. 8-Dec. 31, 1917: Cases, 196; deaths, 193.
Do.....				Jan. 1-Feb. 4, 1918: Cases, 82; deaths, 81.
Residences—				
Kediri.....	Oct. 8-Dec. 31.....	1	1	
Madioen.....	do.....	49	49	
Samarang.....	do.....	110	109	
Surabaya.....	do.....	25	23	
Do.....	Jan. 15-Feb. 4.....	17	17	
Surakarta.....	Oct. 8-Dec. 31.....	11	11	
West Java.....				Nov. 25-Dec. 9, 1917: Cases, 45; deaths, 45. Dec. 1, 1917-Jan. 15, 1918: Cases, 106.
Peru:				
Ancachs Department—				
Casma.....	Dec. 1-Jan. 15.....	2		
Lambayeque Department.....	do.....	22		At Chiclayo, Ferrenafe, Jayanca, Lambayeque.
Libertad Department.....	do.....	72		At Guadalupe, Mansiche, Pacasmayo, Salaverry, San Jose, San Pedro, and country district of Trujillo.
Lima Department.....	do.....	9		City and country.
Piura Department—				
Catacaos.....	do.....	1		
Senegal:				
St. Louis.....	Feb. 2.....			Present.
Siam:				
Bangkok.....	Sept. 16-Dec. 23.....	13	9	
Do.....	Jan. 13-Mar. 16.....	37	27	
Straits Settlements:				
Singapore.....	Oct. 28-Dec. 29.....	5	7	
Do.....	Jan. 6-Mar. 9.....	64	57	

SMALLPOX.

Algeria:				
Algiers.....	Nov. 1-Dec. 31.....	3	2	
Do.....	Jan. 1-Apr. 23.....	249	6	
Australia:				
New South Wales.....				July 12-Dec. 20, 1917: Cases, 36; Jan. 4-17, 1918: Case, 1.
Abermain.....	Oct. 25-Nov. 29.....	3		Newcastle district.
Cessnock.....	July 12-Oct. 11.....	7		

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

Reports Received from Dec. 29, 1917, to May 31, 1918—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia—Continued.				
New South Wales—Contd.				
Eumanga.....	Aug. 15.....	1	.....	
Kurri Kurri.....	Dec. 5-20.....	2	.....	
Mungindi.....	Aug. 13.....	1	.....	
Warren.....	July 12-Oct. 25.....	22	.....	
Do.....	Jan. 1-17.....	1	.....	
Brazil:				
Bahia.....	Nov. 10-Dec. 8.....	3	.....	
Pernambuco.....	Nov. 1-15.....	1	.....	
Rio de Janeiro.....	Sept. 30-Dec. 29.....	703	190	
Do.....	Dec. 30-Mar. 23.....	251	84	
Sao Paulo.....	Oct. 29-Nov. 4.....	.....	2	
British East Africa:				
Mombasa.....	Oct. 1-Dec. 31.....	9	5	
Canada:				
British Columbia—				
Vancouver.....	Jan. 13-Mar. 9.....	5	.....	
Victoria.....	Jan. 7-Feb. 2.....	2	.....	
Winnipeg.....	Dec. 30-Apr. 13.....	4	.....	
New Brunswick—				
Kent County.....	Dec. 4.....	.....	.....	Outbreak. On main line Canadian Ry., 25 miles north of Moncton.
Do.....	Jan. 22.....	40	.....	In 7 localities.
Northumberland County.....	do.....	41	.....	In 5 localities.
Restigouche County.....	Jan. 18.....	60	.....	
St. John County—				
St. John.....	Mar. 3-May 11.....	20	.....	May 13, 1918: Cases present, 14.
Victoria County.....	Jan. 2.....	10	.....	At Limestone and a lumber camp.
Westmoreland County—				
Moncton.....	Jan. 29-Apr. 27.....	20	.....	
York County.....	Jan. 22.....	8	.....	
Nova Scotia—				
Cape Sable Island.....	.....	.....	.....	Present May 8 at Clarks Harbor.
Halifax.....	Feb. 24-May 11.....	19	.....	
Sydney.....	Feb. 3-May 11.....	20	.....	
Ontario—				
Arnprior.....	Mar. 31-Apr. 6.....	.....	1	
Hamilton.....	Dec. 16-22.....	1	.....	
Do.....	Jan. 13-19.....	2	.....	
Ottawa.....	Mar. 4-24.....	5	.....	
Sarnia.....	Dec. 9-15.....	1	.....	
Do.....	Jan. 6-May 18.....	34	.....	
Toronto.....	Feb. 10-Apr. 6.....	2	.....	
Windsor.....	Dec. 30-Jan. 5.....	1	.....	
Prince Edward Island—				
Charlottetown.....	Feb. 7-13.....	1	.....	
Quebec—				
Montreal.....	Dec. 16-Jan. 5.....	5	.....	
Do.....	Jan. 6-Apr. 6.....	12	.....	
Quebec.....	Apr. 21-May 11.....	3	.....	
China:				
Amoy.....	Oct. 22-Dec. 30.....	.....	.....	Present.
Do.....	Dec. 31-Mar. 31.....	.....	.....	Do.
Antung.....	Dec. 2-23.....	13	2	
Do.....	Jan. 7-Apr. 6.....	13	3	
Changsha.....	Jan. 28-Mar. 10.....	6	1	
Chefoo.....	Jan. 27-Feb. 9.....	.....	.....	Do.
Chungking.....	Nov. 11-Dec. 29.....	.....	.....	Do.
Do.....	Dec. 30-Mar. 16.....	.....	.....	Do.
Dairen.....	Nov. 18-Dec. 22.....	3	1	
Do.....	Dec. 30-Apr. 6.....	64	5	
Hankow.....	Feb. 25-Mar. 3.....	1	.....	
Harbin.....	May 14-June 30.....	20	.....	Chinese Eastern Ry.
Do.....	July 1-Dec. 2.....	7	.....	Do.
Hongkong.....	Dec. 23-29.....	1	.....	
Do.....	Jan. 29-Mar. 30.....	19	9	
Hungtshotze Station.....	Oct. 28-Nov. 4.....	1	.....	Do.
Manchuria Station.....	May 14-June 30.....	6	.....	Do.
Do.....	July 1-Dec. 2.....	3	.....	Do.
Mukden.....	Nov. 11-24.....	.....	.....	Present.
Do.....	Feb. 10-Mar. 30.....	.....	.....	Do.
Nanking.....	Feb. 3-Apr. 6.....	.....	.....	Do.

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

Reports Received from Dec. 29, 1917, to May 31, 1918—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Shanghai.....	Nov. 18-Dec. 23...	41	91	Cases, foreign; deaths among natives.
Do.....	Dec. 31-Apr. 1.....	38	119	Do.
Swatow.....	Jan. 18.....			Unusually prevalent.
Tientsin.....	Nov. 11-Dec. 22.....	13		
Do.....	Dec. 30-Apr. 6.....	46		
Tsingtau.....	Feb. 4-Mar. 31.....	10	2	
Cuba:				
Habana.....	Jan. 7.....	1		Nov. 8, 1917: 1 case from Coruna;
Marianao.....	Jan. 8.....	1		Dec. 5, 1917, 1 case.
				6 miles distant from Habana.
Ecuador:				
Guayaquil.....	Sept. 1-Nov. 30...	26	2	
Do.....	Feb. 1-Mar. 31.....	4	3	
Egypt:				
Alexandria.....	Nov. 12-18.....	2	1	
Do.....	Jan. 8-Mar. 25.....	10		
Cairo.....	July 23-Nov. 18.....	6	1	
France:				
Lyon.....	Nov. 18-Dec. 16.....	6	3	
Do.....	Jan. 7-Feb. 17.....	11	2	
Marseille.....	Jan. 1-31.....		2	
Paris.....	Jan. 27-Apr. 6.....	9	4	
Rouen.....	Mar. 31-Apr. 6.....	26	4	
Great Britain:				
Cardiff.....	Feb. 3-9.....	4		
Hull.....	Mar. 17-30.....	3		
Greece:				
Saloniki.....	Jan. 27-Mar. 16.....		9	
Honduras:				
Santa Barbara Department	Jan. 1-7.....			Present in interior.
India:				
Bombay.....	Oct. 21-Dec. 29.....	50	12	
Do.....	Dec. 31-Feb. 23.....	525	206	
Calcutta.....	Jan. 27-Feb. 23.....		13	
Karachi.....	Nov. 18-Dec. 29.....	4	2	
Do.....	Jan. 27-Mar. 2.....	31	17	
Madras.....	Oct. 31-Dec. 29.....	20	8	Nov. 11-16, 1917: 10 cases with 4 deaths; imported on s. s. Menesa from Basreh.
Do.....	Dec. 30-Mar. 9.....	143	135	
Rangoon.....	Oct. 28-Dec. 22.....	6	1	
Do.....	Dec. 30-Mar. 2.....	63	11	
Indo-China:				
Provinces.				
Anam.....	Sept. 1-Dec. 31.....	210	30	Sept. 1-Dec. 31, 1917: Cases, 690; deaths, 180.
Cambodia.....	do.....	19	11	
Cochin-China.....	do.....	440	133	
Saigon.....	Oct. 20-Dec. 30.....	120	26	
Do.....	Dec. 31-Mar. 24.....	1,095	370	
Laos.....	Oct. 1-Dec. 31.....	8	1	
Tonkin.....	Sept. 1-Dec. 31.....	18	5	
Italy:				
Castellamare.....	Dec. 10.....	2		Among refugees.
Florence.....	Dec. 1-15.....	17	4	
Genoa.....	Dec. 2-31.....	11	3	
Do.....	Jan. 2-Apr. 15.....	52	9	
Leghorn.....	Jan. 7-Apr. 7.....	33	7	
Messina.....	Jan. 3-19.....	1		
Milan.....				Oct. 1-Dec. 31, 1917: Cases, 32.
Naples.....	To Dec. 10.....	2		Among refugees.
Taormina.....	Jan. 20-Feb. 9.....	6		
Turin.....	Oct. 29-Dec. 29.....	123	120	
Do.....	Jan. 21-Mar. 10.....	72	6	
Japan:				
Nagasaki.....	Jan. 14-Apr. 14.....	10	3	
Taihoku.....	Dec. 15-21.....	1		Island of Taiwan (Formosa).
Do.....	Jan. 8-Apr. 8.....	49	8	Do.
Tokyo.....	Feb. 11-Apr. 14.....	26		City and suburbs.
Yokohama.....	Jan. 17-Feb. 3.....	63		
Java:				
East Java.				
Surabaya.....	Oct. 7-Dec. 23.....	50		Dec. 25-31, 1917: Cases, 7. Jan. 1-Feb. 4, 1918: Cases, 14.
Do.....	Dec. 25-31.....	1		
Do.....	Jan. 29-Feb. 4.....	1		
Mid-Java.				
Samarang.....	Nov. 6-Dec. 12.....	4	1	Oct. 10-Dec. 26, 1917: Cases, 86; death, 1. Dec. 28, 1917-Feb. 13, 1918: Cases, 41.

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

Reports Received from Dec. 29, 1917, to May 31, 1918—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java—Continued.				
West Java.....				Oct. 19-Dec. 27, 1917: Cases, 231; deaths, 36. Dec. 28, 1917-Feb. 21, 1918: Cases, 257; deaths, 60.
Batavia.....	Nov. 2-8.....	1		
Do.....	Feb. 1-7.....	1		
Mesopotamia:				
Bagdad.....	Jan. 1-31.....		10	
Mexico:				
Agualcalientes.....	Feb. 4-17.....		2	
Ciudad Juarez.....	Mar. 3-23.....	2	1	
Guadalajara.....	Mar. 1-31.....	21	4	
Mazatlan.....	Dec. 5-11.....		1	
Do.....	Jan. 29-Apr. 2.....	4	4	
Mexico City.....	Nov. 11-Dec. 29.....	16		
Do.....	Dec. 30-Apr. 13.....	111		
Piedras Negras.....	Jan. 11.....	200		
Vera Cruz.....	Jan. 20-Apr. 28.....	16	3	
Newfoundland:				
St. Johns.....	Dec. 8-Jan. 4.....	29		
Do.....	Jan. 5-May 14.....	103		45 cases in hospital.
Trepassey.....	Jan. 4.....			Outbreak with 11 cases reported.
Philippine Islands:				
Manila.....	Oct. 28-Dec. 8.....	5		
Do.....	Feb. 3-Apr. 6.....	98	46	Varioloid, 130.
Porto Rico:				
San Juan.....	Jan. 28-Apr. 7.....	37		Of these, 36 varioloid.
Portugal:				
Lisbon.....	Nov. 4-Dec. 15.....	2		
Do.....	Dec. 30-Mar. 30.....	17		
Portuguese East Africa:				
Lourenço Marquez.....	Aug. 1-Dec. 31.....		16	
Do.....	Jan. 1-31.....		6	
Russia:				
Archangel.....	Sept. 1-Oct. 31.....	7		
Moscow.....	Aug. 26-Oct. 6.....	22	2	
Petrograd.....	Aug. 31-Nov. 18.....	76	3	
Siam:				
Bangkok.....	Nov. 25-Dec. 1.....	1	1	
Do.....	Jan. 6-Mar. 16.....	26	14	
Spain:				
Coruna.....	Dec. 2-15.....		4	
Do.....	Jan. 20-Apr. 6.....		19	
Madrid.....	Jan. 1-Mar. 31.....		16	Jan. 1-Dec. 31, 1917: Deaths, 77.
Malaga.....	Oct. 1-31.....		19	
Seville.....	Oct. 1-Dec. 30.....		66	
Do.....	Jan. 1-31.....		20	
Valencia.....	Jan. 27-Feb. 2.....	1		
Straits Settlements:				
Singapore.....	Nov. 25-Dec. 1.....	1	1	
Do.....	Dec. 30-Jan. 5.....	1		
Tunisia:				
Tunis.....	Dec. 14-20.....	1		
Do.....	Mar. 16-Apr. 12.....	2		
Turkey in Asia:				
Bagdad.....				Present in November, 1917.
Union of South Africa:				
Cape of Good Hope State.....	Oct. 1-Dec. 31.....	28		
East Liverpool.....	Jan. 20-26.....	1		Varioloid.
Transvaal—				
Johannesburg.....	Jan. 1-31.....	4		
Venezuela:				
Maracaibo.....	Dec. 2-8.....		1	

TYPHUS FEVER.

Algeria:				
Algiers.....	Nov. 1-Dec. 31.....	2	1	
Argentina:				
Rosario.....	Dec. 1-31.....		1	
Austria-Hungary:				Present in December, 1917.
Hungary.....				
Brazil:				
Rio de Janeiro.....	Oct. 28-Dec. 1.....	7		

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

Reports Received from Dec. 29, 1917, to May 31, 1917—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
Ontario—				
Kingston.....	Dec. 2-8.....	3		
Quebec—				
Montreal.....	Dec. 16-22.....	2	1	
China:				
Antung.....	Dec. 3-20.....	13	1	
Do.....	Dec. 31-Mar. 30.....	3	2	
Chosen (Korea):				
Seoul.....	Nov. 1-20.....	1		
Do.....	Feb. 1-28.....	3	2	
Egypt:				
Alexandria.....	Nov. 8-Dec. 28.....	57	15	
Do.....	Jan. 8-Apr. 1.....	688	157	
Cairo.....	July 23-Dec. 23.....	143	74	
Port Said.....	July 30-Nov. 11.....	5	5	
France:				
Marseille.....	Dec. 1-31.....		1	
Germany.....				Jan. 1-30, 1918: Cases, 66.
Great Britain:				
Belfast.....	Feb. 10-Mar. 30.....	21	3	
Dublin.....	Mar. 24-30.....	3		
Glasgow.....	Dec. 21.....	1		
Do.....	Jan. 20-Apr. 20.....	16		
Manchester.....	Dec. 2-8.....	1		
Greece:				
Arta.....	Feb. 19.....	2		
Janina.....	Feb. 14.....	110		Jan. 27, epidemic.
Saloniki.....	Nov. 11-Dec. 29.....		72	
Do.....	Dec. 30-Mar. 16.....		27	
Italy:				
San Remo.....	Mar. 10-16.....	2		
Japan:				
Nagasaki.....	Nov. 26-Dec. 16.....	5	5	
Do.....	Jan. 7-Apr. 14.....	18	6	
Java:				
East Java.....				Oct. 15-Dec. 31, 1917: Cases, 39;
Surabaya.....	Dec. 17-31.....	9	1	deaths, 7. Jan. 1-Feb. 11,
Do.....	Jan. 1-Feb. 11.....	29	4	1918: Cases, 34; deaths, 7.
Mid-Java.....				Oct. 10-Dec. 26, 1917: Cases, 63;
Samarang.....	Oct. 9-Dec. 26.....	20	2	deaths, 2. Dec. 28, 1917-Feb.
Do.....	Dec. 27-Feb. 6.....	20		13, 1918: Cases, 24; deaths, 2.
West Java.....				Oct. 19-Dec. 27, 1917: Cases, 94;
Batavia.....	Oct. 1-Dec. 27.....	50	15	deaths, 17. Dec. 28, 1917-Feb.
Do.....	Dec. 28-Feb. 21.....	47	2	21, 1918: Cases, 56; deaths, 1.
Lithuania.....				Dec. 30, 1917-Jan. 5, 1918: Cases,
Mexico:				195.
Aguascalientes.....	Dec. 15.....		3	
Do.....	Jan. 21-May 5.....		18	
Durango State—				
Guanacevi.....	Feb. 11.....			Epidemic.
Mexico City.....	Nov. 11-Dec. 29.....	476		
Do.....	Dec. 30-Apr. 13.....	704		
Newfoundland:				
St. Johns.....	Mar. 30-Apr. 5.....	1	1	
Norway:				
Bergen.....	Feb. 1-16.....	3		
Poland:				
Lodz.....	Nov. 18-Dec. 8.....	219	25	Nov. 18-Dec. 8, 1917: Cases, 2,568;
Warsaw.....	do.....	1,461	141	deaths, 218. Dec. 23, 1917-
Portugal:				Jan. 12, 1918: Cases, 3,026;
Lisbon.....	Mar. 3-30.....	18		deaths, 315.
Oporto.....	Dec. 1-31.....	23	4	
Do.....	Jan. 1-Mar. 8.....	1,811	161	Feb. 21: Present.
Russia:				
Archangel.....	Sept. 1-14.....	7	2	
Moscow.....	Aug. 26-Oct. 6.....	49	2	
Petrograd.....	Aug. 31-Nov. 18.....	32		
Do.....	Feb. 2.....			Present.
Vladivostok.....	Oct. 29-Nov. 4.....	12	1	
Spain:				
Corubion.....	Apr. 11.....			Present. Province of Coruna,
Madrid.....	Jan. 1-Mar. 31.....		2	west coast.

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

Reports Received from Dec. 29, 1917, to May 31, 1918—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Sweden:				
Goteborg.....	Nov. 13-Dec. 15...	2	.....	
Switzerland:				
Basel.....	Jan. 6-19.....	1	1	
Zurich.....	Nov. 9-15.....	2	.....	
Do.....	Jan. 13-19.....	2	.....	
Tunisia:				
Tala.....	Mar. 18.....	.....	.....	Epidemic.
Tozer.....	do.....	.....	.....	Do.
Tunis.....	Nov. 30-Dec. 6.....	.....	1	
Do.....	Feb. 9-Apr. 19.....	4	16	Of these, 26 in outbreak in prison.
Union of South Africa:				
Cape of Good Hope State.....	.....	.....	.....	Sept. 10, 1917-Mar. 17, 1918: Cases, 4,444 (European, 34); deaths, 902 (European, 15).
Natal.....	.....	.....	.....	Dec. 1, 1917-Mar. 17, 1918: Cases, 50; deaths, 11.

YELLOW FEVER.

Brazil:				
Bahia.....	Mar. 10-16.....	1	1	
Ecuador:				
Balaboyo.....	Feb. 1-15.....	1	1	
Guayaquil.....	Sept. 1-Nov. 30...	5	3	
Do.....	Feb. 1-15.....	1	.....	
Do.....	Mar. 1-31.....	12	7	
Milagro.....	Feb. 1-15.....	1	1	
Yaguachi.....	Nov. 1-30.....	1	.....	
Guatemala:				
Retalhuleu.....	Apr. 22-May 23....	.....	.....	Present. About 25 miles from Champerico, Pacific port. Disease spreading along Pacific coast.
Honduras:				
Tegucigalpa.....	Dec. 16-22.....	.....	1	
Do.....	Jan. 6-19.....	.....	1	