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THE EPIDEMIOLOGY OF INFLUENZA.¹

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The history of influenza, so far as it is known, that is, for several centuries, comprises a series of long cycles in which great pandemics alternate with periods of relative quiescence, the length of cycles as measured by the intervals between pandemics being usually a matter of decades. The special characteristics of influenza pandemics are their wide and rapid extension, their high attack rates, and their great effect upon general mortality rates. Since these cycles are undoubtedly of fundamental significance in the natural history of influenza, any proper discussion of the epidemiology of the disease should cover at least one full cycle, preferably the last, from 1889 to the present. The material for such a discussion must, however, be collected from many and diverse sources and laboriously fitted together, since there is no concrete, specific, and continuous record of the prevalence or mortality of influenza during such a period of years.

Lack of Specific Records.

During great epidemics there are abundant, if not exact, records of prevalence, and the resulting mortality can be determined with fair precision, even though a large proportion of the deaths are classified under diagnoses other than influenza. In the intervals between epidemics influenza becomes inextricably confused with other respiratory diseases, having a general clinical resemblance but no definite etiological entity, so that the record of prevalence and even of mortality is virtually lost. The first requisites for epidemiological study, namely, clear differential diagnosis and systematic records of occurrence, are therefore lacking in influenza.

In the absence of these essential records, statistics of mortality from the group comprising influenza and all forms of pneumonia afford, perhaps, the nearest approximation to a record of influenza. It is not intended to suggest that the mortality from this group of

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diseases furnishes in any sense a *measure* of the prevalence of influenza, but only that it furnishes an *index*, since it is well established that the epidemic prevalence of influenza markedly affects the mortality from this group of diseases, and since it is at least probable that even in nonepidemic periods there may be some intimate and constant relation between the prevalence of influenza and the mortality from pneumonia.

The following discussion, which is necessarily confined to a few broad outlines, is, accordingly, based on records of mortality from influenza and pneumonia for a series of years, statistics of general mortality during the recent epidemic, and limited morbidity statistics.

Influenza and Pneumonia Mortality in Massachusetts, 1887-1916.

Table I and Chart 1 show for Massachusetts, a State in which continuous records are available, the number of deaths and the death rates per 100,000 from influenza and from all forms of pneumonia, by months, from 1887 to 1916, inclusive.

TABLE 1.—*Death rates per 100,000 of population from pneumonia (all forms) and from influenza in Massachusetts, 1887-1916, inclusive.*

PNEUMONIA.

Year.	Total per year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1887.....	138.8	19.5	16.7	1.9	22.6	16.1	7.7	5.5	4.1	5.6	9.0	14.8	15.3
1888.....	172.7	24.7	25.1	26.4	27.3	16.4	8.0	5.5	4.0	6.2	11.4	9.8	13.9
1889.....	156.6	17.9	16.3	21.1	19.8	14.9	7.5	5.3	5.2	5.4	10.6	13.2	19.3
1890.....	180.0	47.8	17.7	17.6	20.1	12.7	8.5	6.2	4.8	5.0	9.4	11.8	18.3
1891.....	188.5	20.6	16.4	20.6	25.1	23.9	10.1	5.9	4.0	4.0	7.7	13.8	36.4
1892.....	213.0	61.5	25.2	23.1	21.4	17.0	8.3	5.4	4.2	6.8	8.5	12.5	19.0
1893.....	225.8	27.3	25.4	28.6	33.1	27.3	11.1	8.0	5.0	6.1	9.8	14.3	31.9
1894.....	166.0	32.8	19.9	22.7	16.5	14.0	8.5	5.1	5.1	6.8	8.2	11.3	13.6
1895.....	184.1	19.1	34.4	30.8	20.9	14.4	7.6	5.6	5.3	4.7	10.5	13.4	17.3
1896.....	182.0	19.5	20.7	24.9	25.9	18.7	10.3	7.6	4.5	7.6	10.7	12.7	18.8
1897.....	181.6	21.1	24.9	31.5	19.7	15.2	10.2	7.0	4.5	6.0	11.7	13.1	16.9
1898.....	156.0	18.8	17.1	18.5	18.7	15.7	6.6	6.0	4.8	5.6	10.6	12.8	21.0
1899.....	181.3	37.5	25.8	20.6	18.4	14.0	8.9	5.0	4.8	5.8	8.2	13.2	19.0
1900.....	188.3	22.7	21.1	42.0	30.5	17.6	8.7	5.3	4.3	5.3	6.2	9.9	14.7
1901.....	167.7	22.6	26.6	26.2	19.9	18.9	7.7	3.4	3.4	8.7	9.1	14.2	15.1
1902.....	159.9	15.7	18.9	19.9	16.8	15.5	8.0	6.2	5.2	5.7	11.8	14.5	20.6
1903.....	172.5	25.2	25.8	26.8	18.1	16.8	8.2	7.0	4.5	4.6	7.7	13.3	18.9
1904.....	172.1	22.6	22.7	24.1	21.2	14.2	6.7	5.9	4.4	6.5	8.4	15.0	15.5
1905.....	178.3	24.7	27.7	23.6	17.1	15.5	8.5	5.4	4.8	6.2	8.9	15.8	20.0
1906.....	174.1	22.5	21.9	24.1	21.7	14.9	5.1	6.2	5.0	6.0	9.4	13.8	21.0
1907.....	180.4	26.5	24.4	23.4	18.3	14.3	9.5	5.1	5.1	7.1	9.3	12.7	26.9
1908.....	165.8	26.6	22.2	21.1	19.4	13.5	6.6	4.9	5.8	6.4	9.2	12.4	17.6
1909.....	170.3	22.1	20.0	26.1	20.1	16.0	9.7	5.1	5.0	5.4	8.9	13.6	18.3
1910.....	197.6	24.1	20.7	27.5	23.8	16.9	9.7	7.3	6.3	9.1	12.3	17.0	23.6
1911.....	174.4	22.6	27.1	23.9	20.2	10.9	7.2	6.7	6.1	6.7	9.0	11.8	16.9
1912.....	152.0	19.8	20.2	21.2	16.4	13.8	6.2	5.0	4.1	5.8	9.5	10.5	19.9
1913.....	172.2	23.5	22.9	24.9	19.3	17.1	10.7	6.2	5.4	6.7	8.3	10.4	16.8
1914.....	166.0	22.9	20.1	23.2	20.4	15.2	8.2	5.1	5.5	6.0	10.1	12.9	16.3
1915.....	176.0	17.8	19.3	26.6	27.7	13.6	6.6	7.1	5.8	6.0	8.8	9.3	22.1
1916.....	176.6	35.6	25.5	23.0	17.3	14.0	7.4	5.3	4.1	5.9	7.6	12.8	18.3

TABLE 1.—*Death rates per 100,000 of population from pneumonia (all forms) and from influenza in Massachusetts, 1887—1916, inclusive—Continued.*

INFLUENZA.

Year.	Total for year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1887.....	0.90	0.05	0.14	0.28	0.14	0.05	.....	.....	.....	0.05	0.10	0.05	0.05
1888.....	.51	.14	.05	.05	.....	.05	.....	.....	.....	.05	.14	.....	.05
1889.....	1.23	.09	.09	.14	.14	.05	0.05	0.05	.....	.....	.09	.....	.55
1890.....	18.31	10.96	2.90	1.43	.94	.40	.36	.22	.04	.18	.22	.27	.40
1891.....	22.74	.39	.39	1.00	3.87	4.65	1.57	.52	.52	.52	.22	.26	10.08
1892.....	41.06	24.33	7.64	3.02	1.83	1.10	.72	.51	.17	.21	.38	.68	.47
1893.....	12.27	.58	.70	1.20	2.57	2.07	.46	.17	.12	.04	.....	.46	3.90
1894.....	14.97	7.41	3.16	1.38	1.09	.40	.20	.16	.08	.16	.20	.16	.36
1895.....	13.10	.79	4.50	6.97	3.29	1.11	.36	.24	.08	.08	.04	.24	.36
1896.....	5.81	.93	.62	1.16	1.05	.46	.39	.15	.12	.04	.27	.19	.43
1897.....	14.40	.83	2.42	5.68	2.50	1.02	.27	.15	.23	.15	.27	.27	.61
1898.....	8.56	.59	.59	1.56	1.30	1.48	.37	.11	.22	.07	.19	.26	1.82
1899.....	20.72	9.34	5.81	2.18	1.05	.51	.29	.07	.04	.07	.33	.18	.84
1900.....	25.27	1.21	1.50	9.20	9.23	1.85	.68	.21	.07	.11	.11	.32	.78
1901.....	18.94	4.32	6.36	4.08	1.51	.84	.46	.14	.04	.21	.18	.25	.77
1902.....	5.89	.59	.87	.90	.69	.73	.24	.21	.14	.03	.24	.45	.82
1903.....	12.65	1.57	3.08	3.66	1.61	.82	.38	.14	.10	.03	.21	.34	.70
1904.....	10.26	1.45	2.06	2.80	1.38	.78	.27	.20	.07	.10	.17	.34	.64
1905.....	14.69	2.75	4.58	3.48	1.76	.85	.30	.07	.07	.03	.03	.20	.56
1906.....	6.57	1.13	1.07	1.29	.78	.36	.06	.19	.13	.06	.16	.16	1.17
1907.....	16.13	3.61	3.48	2.28	1.04	.70	.22	.03	.03	.03	.19	.54	3.99
1908.....	10.42	4.48	2.10	1.51	.86	.31	.12	.06	.03	.03	.19	.15	.22
1909.....	7.16	.76	1.93	2.30	.88	.36	.24	.03	.....	.03	.15	.21	.27
1910.....	7.40	1.39	1.01	1.75	1.51	.53	.09	.09	.....	.03	.21	.35	.44
1911.....	4.63	.87	.96	.90	.79	.41	.03	.09	.....	.03	.12	.06	.49
1912.....	6.93	1.46	1.35	1.06	.60	.26	.20	.17	.09	.09	.26	.17	1.23
1913.....	5.75	2.00	.76	.85	.51	.34	.14	.....	.17	.14	.27	.25	.39
1914.....	3.58	.75	.39	.75	.64	.36	.14	.06	.....	.06	.03	.17	.25
1915.....	6.34	.79	.60	.98	1.88	.49	.16	.08	.05	.05	.11	.22	.87
1916.....	14.50	6.32	3.04	1.67	.75	.56	.32	.16	.13	.05	.16	.43	.89

Compiled from number of deaths as given in Registration Reports, State of Massachusetts, 1887-1916, except data for 1912, which are taken from Mortality Statistics, Bureau of the Census.

Chart 1 shows clearly the effect of the epidemic of 1889-1892, developing in three distinct phases; the first culminating in January 1890, the second in April and May 1891, and the third in January 1892. It is noted that the mortality was higher in 1891 than in 1890, still higher in 1892; and that in 1893, although no distinct epidemic occurred, the pneumonia mortality for the year was still higher than in 1892. This corresponds to the experience in England according to Parsons,¹ and apparently represents the general experience in other countries, with some differences in chronology and relative severity of the several phases of the epidemic.

As comparable statistics for Massachusetts in 1917 and 1918 are not now at hand, it is necessary to turn to other sources for the record of these years. The Bureau of the Census has very kindly furnished to the writer, from tables prepared for publication in the 1917 Mortality Statistics, the number of deaths by months during 1917 from pneumonia and influenza in certain registration States,

¹ Parsons, H. Franklin. A Further Report on the Influenza Epidemics of 1889-90, 1891 and 1891-92. Local Govt. Board. London, 1893.

and cities of over 100,000 population, thus continuing through that year the records of monthly mortality available from published Mortality Statistics from 1910 to 1916, inclusive; and has also furnished records of deaths in certain of these States and cities by months during 1918. The latter figures were compiled and submitted by State and local registrars in compliance with a special request from the Director of the Census. They are merely provisional and the Census Bureau in no way vouches for their accuracy; but they are believed to be sufficiently exact for present purposes.

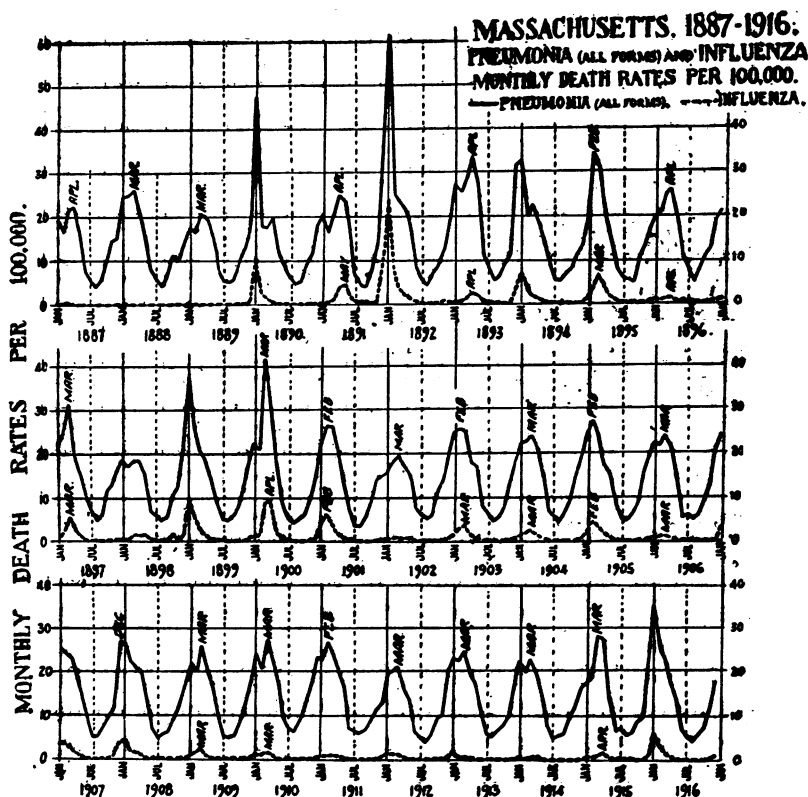


CHART I.

Owing to the limitations of space the statistics of only three cities, New York, Cleveland, and San Francisco, are presented here. These are, however, fairly representative of the whole group of cities and States for which records are at hand. As may be seen from Table II and Chart 2 the mortality from influenza and pneumonia in these cities was fairly regular from 1910 to 1915, as was the case in Massachusetts (See Chart 1) and generally throughout the registration area of the United States.

**ANNUAL DEATH RATES PER 100,000 FROM INFLUENZA AND PNEUMONIA (ALL FORMS)
BY MONTHS, 1910-1918**

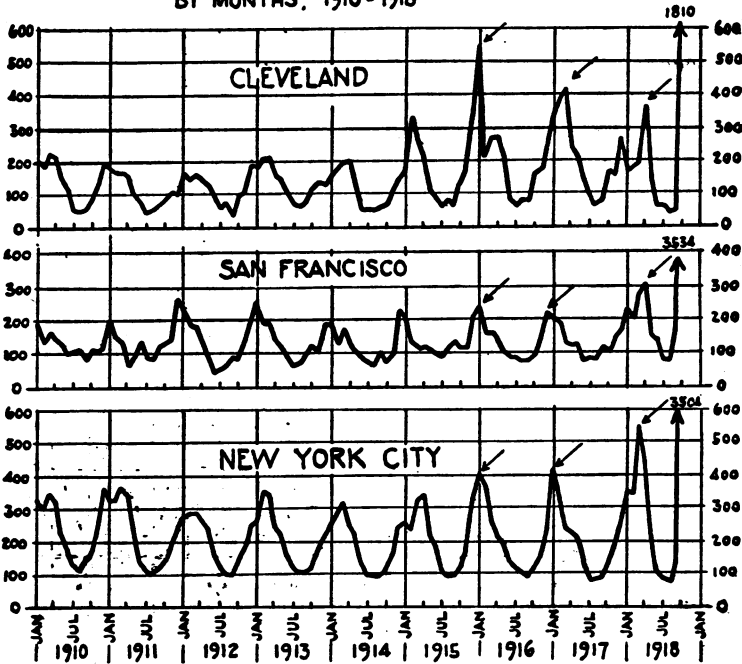


CHART 2.

TABLE II.—Annual death rates per 100,000 of population from influenza and pneumonia (all-forms) by months for the years 1910-1918, inclusive, in New York, San Francisco, and Cleveland.

NEW YORK CITY.

Years.	Total.	Months.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dcc.
1910....	229.3	327.8	300.2	343.3	303.5	225.4	162.1	125.5	108.0	126.9	154.7	211.6	365.9
1911....	217.7	321.3	325.5	359.0	338.7	237.2	137.2	115.8	97.2	107.6	145.0	195.0	240.8
1912....	198.6	266.5	294.5	287.9	254.6	238.3	153.5	112.3	99.0	94.9	157.8	178.5	251.6
1913....	199.7	265.0	353.0	342.2	242.7	225.1	158.9	113.5	101.9	100.6	118.4	172.9	213.3
1914....	184.3	247.3	293.0	319.4	241.8	211.1	131.6	92.5	86.1	88.1	110.0	162.9	234.3
1915....	202.7	253.7	232.2	325.4	344.5	212.1	172.0	103.2	89.2	90.8	120.4	167.1	324.4
1916....	189.7	402.5	261.7	252.0	210.9	194.6	133.1	113.7	100.5	87.7	116.4	154.0	242.1
1917....	191.9	417.9	316.3	237.3	221.2	202.4	122.8	72.6	78.4	89.5	127.6	185.5	237.7
1918....	636.4	348.4	339.0	548.0	432.1	201.4	105.4	81.3	71.8	516.0	351.6	1,250.6	549.8

SAN FRANCISCO.

Years.	Total.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dcc.
1910....	128.6	199.9	134.0	168.9	148.2	132.3	101.6	109.8	112.6	87.3	118.2	110.5	118.2
1911....	135.7	207.3	150.0	135.6	68.6	91.2	150.0	88.5	83.0	135.0	132.7	144.0	270.9
1912....	126.0	236.3	191.6	182.0	131.9	86.9	47.7	51.6	67.9	92.6	84.2	137.5	198.3
1913....	139.6	261.7	192.1	194.9	143.5	122.8	91.0	66.8	72.1	99.3	125.5	110.4	194.9
1914....	122.6	191.7	130.8	178.5	132.9	107.6	84.1	78.8	63.0	103.1	70.9	97.7	231.0
1915....	133.2	214.6	137.4	118.8	125.1	113.6	101.4	90.4	111.0	138.7	116.2	117.4	211.8
1916....	133.2	243.9	165.6	162.6	144.3	101.6	84.0	88.9	71.1	76.1	88.9	144.3	221.0
1917....	127.5	210.0	185.4	130.0	121.4	125.0	72.2	80.0	77.5	118.8	100.0	144.6	167.5
1918....	713.0	231.3	204.3	278.1	310.2	152.6	139.8	78.7	73.8	117.0	3,534.0	2,069.8	1,331.0

TABLE II.—*Annual death rates per 100,000 of population from influenza and pneumonia (all forms) by months for the years 1910–1918, inclusive, in New York, San Francisco, and Cleveland—Continued.*

CLEVELAND.

Years.	Total.	Months.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1910.....	136.3	198.3	180.0	223.0	213.5	148.3	107.9	54.2	48.2	51.8	85.6	138.0	190.0
1911.....	106.5	174.2	166.9	164.1	155.0	103.4	77.5	40.5	50.6	67.1	81.0	100.0	93.2
1912.....	114.6	163.6	141.2	159.7	142.7	126.2	91.7	55.2	75.0	30.6	88.8	110.1	185.4
1913.....	131.9	179.8	205.1	217.5	152.5	147.4	107.5	68.1	60.6	74.3	115.3	130.9	128.6
1914.....	117.2	160.1	175.2	197.0	201.8	130.9	53.3	51.6	46.3	59.0	66.4	116.0	143.7
1915.....	162.7	166.5	333.1	252.6	201.8	109.3	77.4	55.5	78.8	59.2	121.8	170.2	336.8
1916.....	198.5	545.0	209.2	263.8	266.9	211.2	86.6	57.6	82.1	75.7	153.6	175.0	242.9
1917.....	210.9	344.0	386.0	415.0	233.8	208.0	148.8	90.2	66.4	72.1	160.0	152.0	267.0
1918.....	548.0	161.3	178.5	190.4	366.3	142.6	60.0	62.5	43.5	48.0	1,812.0	2,135.0	1,376.0

Data for years 1910–1916 compiled from Mortality Statistics, Bureau of the Census, for those years.

Data for 1917 from tables prepared for publication in 1917 Mortality Statistics; advance sheets furnished by the Bureau of the Census.

Data for 1918 from special reports rendered to Director of the Census by city registrars. Populations used are Bureau of the Census mid-year estimates.

Significant Rise in Mortality in December, 1915.

In December, 1915, and January, 1916, there occurred in New York and Cleveland a sudden sharp rise in mortality. This, though not shown distinctly in San Francisco, was almost universal and synchronous over the whole of the registration area. While this may have no direct significance in relation to the 1918 pandemic, it is at least of interest as indicating the operation of some definite and widespread factor and suggesting in this group of diseases an epidemic tendency which is perhaps not sufficiently appreciated. In January, 1916, influenza was reported to be epidemic in 22 States, including all sections of the United States (see Public Health Reports, Jan. 7, 1916). As this epidemic was of mild type it attracted but little attention at the time and has generally been forgotten.

Another Sharp and General Rise in Mortality in the Spring of 1918.

In the spring of 1918 there was another sharp and general rise in mortality from these diseases, clearly evident in Chart 2. In the larger cities on the Atlantic seaboard this increase occurred generally during January, February, and March, when pneumonia mortality normally reaches its maximum, and the increase was not so evident in all these cities as it was in New York City. In the rest of the country, especially in the central and western States, the increase occurred in April, a month during which pneumonia mortality is generally on the decline; and was sufficient to constitute an unmistakable departure from the normal. The increased mortality rate extended quite generally into May and in some areas still longer.

This occurrence has, I believe, a definite significance in relation to a coincident prevalence of influenza, and to the subsequent development of the influenza pandemic. Although there is no definite record

of a generalized epidemic of influenza in the United States in the spring of 1918, definite local outbreaks were observed at that time. For example, Vaughan and Palmer¹ have described a mild epidemic prevailing in the Oglethorpe camps in March. The Commissioner of Health of Chicago² states, in his special report on the autumn epidemic in Chicago, that in March, 1918, distinct epidemics resembling influenza were observed in certain groups in that city. Stanley³ in a recent publication describes three epidemics of influenza occurring in April, October, and November, 1918, respectively, in San Quentin prison, California. These three epidemics were quite similar and that of April apparently developed from a newly received inmate, presumably infected in Los Angeles, indicating the presence of the infection there at that time.

Opie, Freeman, and others of the Army Commission studying pneumonia at Camp Funston,⁴ found that recurrent outbreaks of pneumonia observed there in March, April, and May, 1918, were definitely associated with coincident epidemics of a mild type of influenza.

The rise in mortality from this group of etiologically heterogeneous diseases in the spring of 1918 is so sudden, so marked, and so general throughout the United States as to point very clearly to the operation of a single definite and specific cause, something largely independent of meteorologic and other local conditions. The observed occurrence of local epidemics of influenza at that time in widely scattered localities, the intimate association established at Camp Funston between the epidemic of influenza and pneumonia, and the subsequent development of the influenza pandemic, all indicate that the increased pneumonia mortality of March and April, 1918, was the consequence of a beginning and largely unnoticed epidemic of influenza, the beginning in this country of the great pandemic which developed in the autumn.

Mild Epidemics of Influenza in Europe in April and May, 1918.

From various localities in western Europe, mild epidemics of influenza were reported in April and May, 1918; and perhaps there may be earlier reports. During June and July extensive epidemics were reported from Great Britain, various parts of Continental Europe,

¹ Vaughan, Col. Victor C., and Palmer, Capt. Geo. T. The Communicable Diseases in the National Guard and the National Army of the United States During the Six Months from Sept. 29, 1917, to Mar. 29, 1918. Military Surgeon, Vol. XLIII, No. 4, October, 1918.

² Robertson, John Dill. A Report on an Epidemic of Influenza in the City of Chicago in the Fall of 1918. Ed. Series No. 15, Dept. of Health, City of Chicago, 1918.

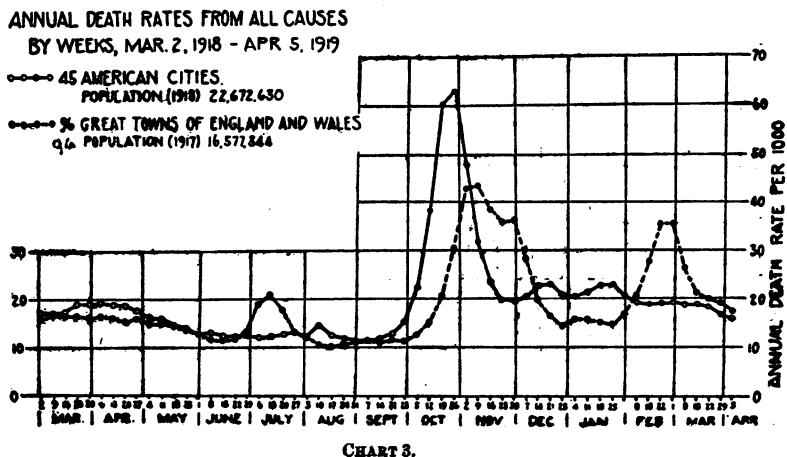
³ Stanley, L. L. Influenza at San Quentin Prison, California. Public Health Reports, vol. 34, No. 19, May 9, 1919.

⁴ Opie, Eugene L., Freeman, Allen W., Blake, Francis G., Small, Jas. C., and Rivers, Thomas M. Pneumonia at Camp Funston; Report to the Surgeon General, Journal Am. Med. Ass'n, vol. 72, No. 2, Jan. 11, 1919.

China, India, the Philippine Islands, and Brasil, with marked effect on general mortality rates in such of these countries for which records are available.

Course of the 1918 Epidemic.

The course of the epidemic in England and Wales, and in the United States, respectively, is illustrated by Chart 3, which shows the annual death rates from all causes by weeks in 96 great towns of England and Wales¹ with an aggregate population (1917) of 16,577,344 and in 45 large American cities² aggregating about 22,950,000 population (1918).



In the British cities the epidemic has so far manifested three distinct waves—the first and slightest in point of mortality occurring in June and July, the second and most severe in November, the third in February and March. Data which need not be cited here in detail indicate that the course of the epidemic in western Europe generally was similar. In cities of India the sequence was similar but the mortality far greater. In the United States the epidemic developed more largely in a single wave during September, October, and November. If, however, the epidemic already mentioned as occurring in the spring be considered the first phase and the explosive outbreak of the autumn the second, a third phase or recrudescence is quite evident in many areas, though not shown distinctly in Chart 3, in which are combined a number of widely separated cities whose curves overlap. In general, this winter recrudescence was less marked in those cities which suffered most severely in the autumn epidemic.

¹ Weekly Return of Births and Deaths Registered in London and Ninety-five other Great Towns of England and Wales, London.

² Weekly Health Index, Bureau of the Census, Washington, D. C.

The course of the epidemic in the United States since September is already well known and need not be discussed here in detail. The prevalence of a serious epidemic in the civilian population was first recognized in and around Boston about the first of September. Within about two weeks the epidemic was general in cities on the Atlantic seaboard, developing a little later among the cities farther west. Rural districts were usually attacked somewhat later than large cities in the same sections. The sequence of the epidemic in three cities—Boston, Washington, and San Francisco—is shown in Chart 4. The interval between the peaks of the epidemic in Boston and San Francisco is four weeks, which is approximately the maximum difference between any two large cities in this phase of the epidemic.

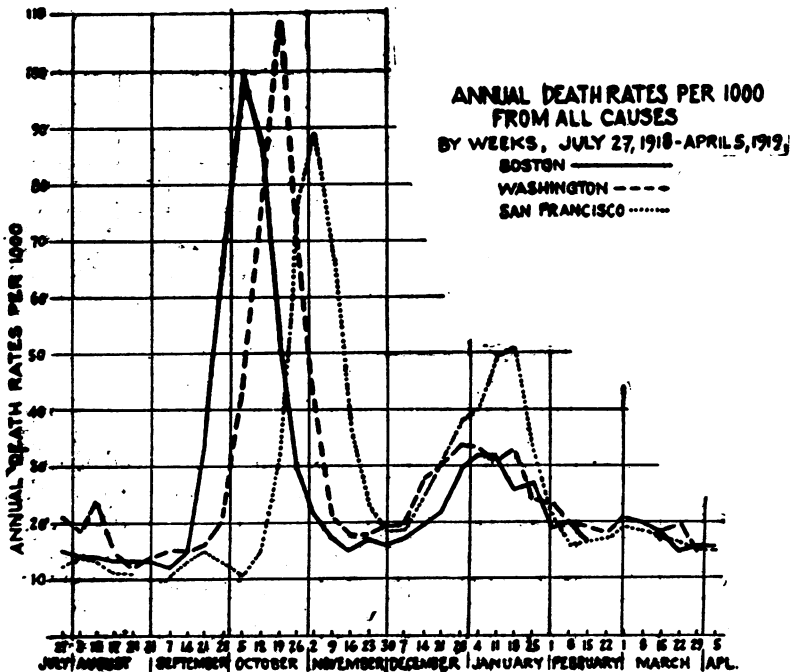


CHART 4.

The curves of mortality differed widely in different cities, as illustrated in Chart 5, showing in Philadelphia a very explosive and abrupt curve, observed more frequently among cities on the eastern seaboard; in New York a less explosive curve, with a more prolonged high mortality rate, as observed more commonly in middle western cities, often with a more pronounced recrudescence; in St. Louis a still more gradual curve, declining only slightly after the first wave, and with a severe recrudescence, curves of this general character being more common in the Middle West.

Total Number of Deaths Among the Civil Population.

Based on incomplete statistics, which represent, however, all the main geographic divisions of the country, including both urban and rural populations, the deaths in the civil population of this country directly attributable to the epidemic are estimated at not less than

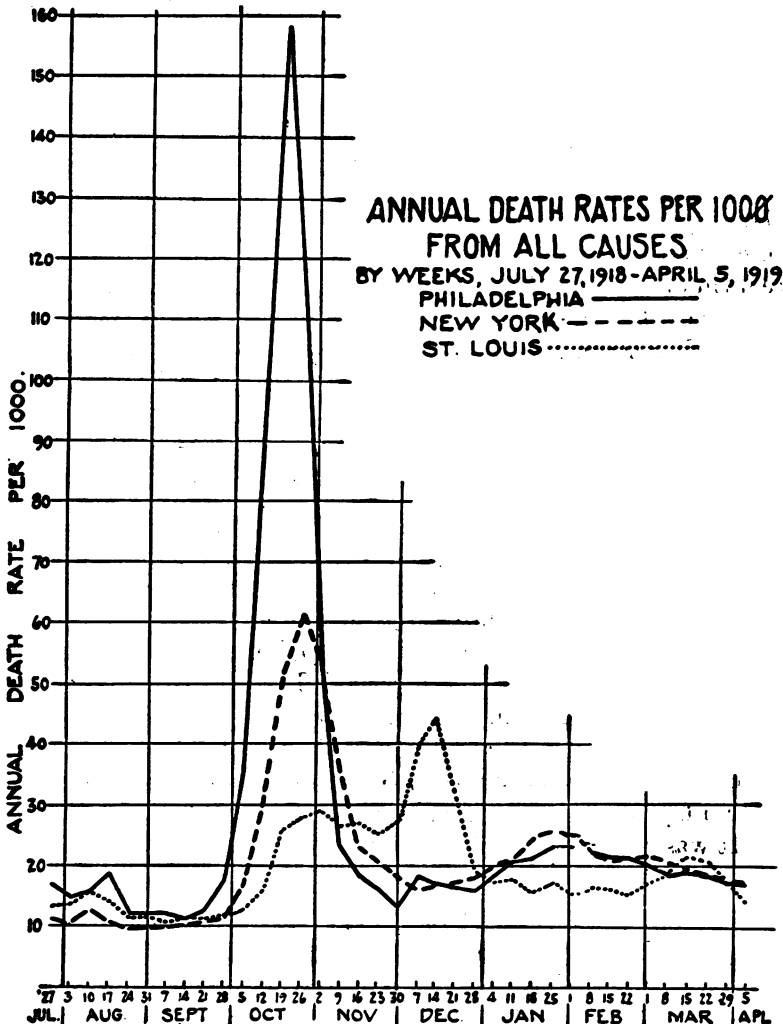


CHART 5.

450,000, or more than 4 per thousand. This rate exceeds even a liberal estimate of the net excess mortality rate in Massachusetts during the four years, 1890-1893, following the influenza outbreak in 1889-90.

Difference in Mortality in Various Geographic Groups.

Classifying the 45 cities of the Weekly Health Index into three broad geographic groups there is a noticeable difference in mortality. In the cities east of the line of the Appalachians the excess mortality from pneumonia and influenza during the weeks ended September 14, 1918, to March 1, 1919,¹ was approximately 5.6 per 1,000; in cities between the Rocky Mountains and the Appalachians 4.35; and in those of the Pacific coast 5.55 per 1,000.

Notwithstanding this general geographic relation, there are notably wide differences in the mortality rates of individual cities in the same section, even between cities close together, differences which are not as yet explained on the basis of climate, density of population, character of preventive measures exercised, or any other determined environmental factor.

More intimate details of epidemiology can be given only the briefest mention here. In order to secure reliable statistics of morbidity the Public Health Service has made special house-to-house surveys in a number of localities,² ascertaining the number of persons affected, the dates of onset, and a few other simple facts in accurately enumerated groups representative of the general population. Partial analysis of the results of these surveys in eight localities,³ giving an aggregate of 112,958 persons canvassed, shows the following as the chief facts of interest:

Results of House to House Surveys.

The percentage of the population attacked varied from 15 per cent in Louisville to 53.3 per cent in San Antonio, Texas, the aggregate for the whole group being about 28 per cent.⁴ This agrees with scattered observations in the first phase of the 1889-90 epidemic, when the attack rate seems to have varied within about these limits.

The case incidence was found to be uniformly highest in children from 5 to 14 years old, and progressively lower in each higher age group. It was slightly higher in females than in males of corresponding age; usually higher in the white than the colored population.

The ratio of pneumonia cases to total population varied from 5.3 cases per 1,000 in Spartanburg, S. C., to 24.6 per 1,000 in the smaller towns of Maryland. The pneumonia rate showed little correlation with the influenza attack rate.

The ratio of deaths to population varied from 1.9 per 1,000 in Spartanburg to 6.8 in Maryland towns. The death rate was by no

¹ United States Census Bureau, Weekly Health Index, Mar. 1, 1919. "Summary, Influenza Epidemic."

² For a description of methods and more detailed statistics of certain localities see Public Health Reports. Volume 34, No. 11, pp. 491 to 504.

³ Data from surveys of population groups as follows: New London, Conn., 7,993; Baltimore, Md. 33,361; certain smaller towns and rural districts in Maryland, 12,669; Spartanburg, S. C., 5,257; Louisville, Ky., 12,602; Little Rock, Ark., 9,920; San Antonio, Tex., 12,534; San Francisco, Calif., 18,682.

⁴ The surveys were made mostly during December, after the first wave of the epidemic had subsided, but before the second wave. Later figures would add somewhat to the incidence.

means parallel to the influenza attack rate, but was correlated closely with the pneumonia rate. In other words, the case fatality of pneumonia tended to be fairly constant, around 30 per cent, except in San Antonio, where it was only 18.5 per cent. The death rate was notably high in children under one year old, in adults from 20 to 40, and in persons over 60; higher in males than in females of comparable ages; higher in the white than in the colored.

The case fatality was likewise higher in these age groups, under one year, 20 to 40, and over 60 years; and it is this fact, rather than the incidence rates, which determines the death rates in different age groups.

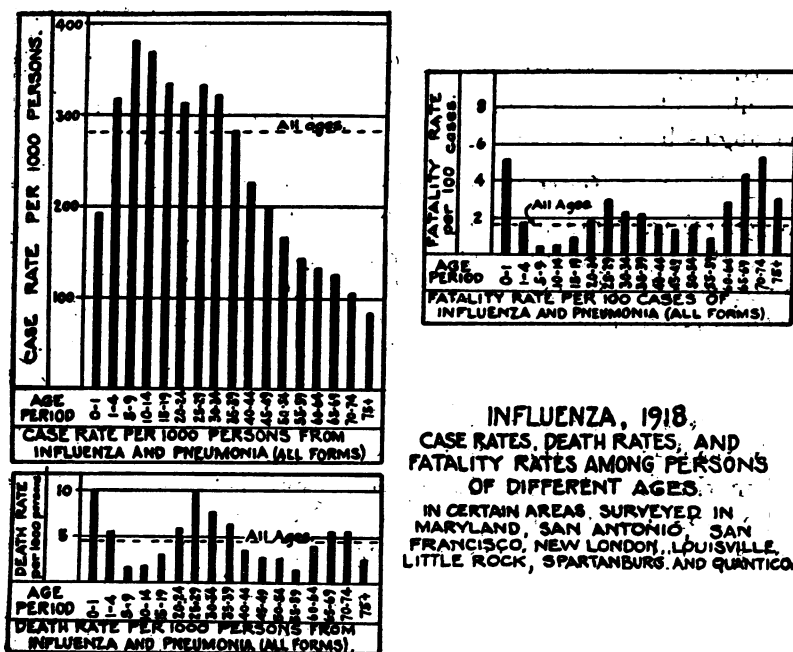


CHART 6.

Chart 6, shows the attack rates, death rates and case fatality rates in various age groups.

The Important Question of Immunity.

Concerning the important question of the immunity conferred by an attack of influenza, the evidence is not conclusive, chiefly because of the uncertain differentiation between influenza and other infections. Parsons, from his study of the last epidemic,¹ inclines to the view that an attack of influenza in the earlier years of the epidemic conferred a considerable but not absolute immunity in the later outbreaks.

¹ Loc. cit.

In Baltimore, where our first canvass of 33,776 people was made between November 20 and December 11, 1918, a second canvass of the same population was made in January to determine the extent of the recrudescence reported in December. Among 32,600 people included in this canvass, 724 cases of influenza were found to have occurred since the previous survey. Of this number, 121 cases were reported as second attacks, but on investigation through the attending physicians or by a medical officer, the clinical diagnosis of both attacks as influenza was confirmed in only 26 cases, or 0.37 per cent of the total, and even in these cases the diagnosis is necessarily uncertain. Considering that 23 per cent of the population had had influenza prior to December 11, the proportion of second attacks should have been much greater if no immunity had been acquired. A second canvass in San Francisco gave generally similar results. The data collected for a study of this question from other angles have not yet been analyzed.

General Characteristics of Epidemic.

In general, this epidemic has been quite similar to that of 1889-90 in its early development, first in mild scattered outbreaks, later in a severe world-wide epidemic; in the rapidity of its spread and in its high case incidence. It has been notably different in a much higher frequency of pneumonia and consequently much higher mortality, especially among young adults.

Such evidence as has been collected confirms the conclusion previously reached that the infection is transmitted directly by "contact" in the broad sense. It appears probable, however, that the infection was already widely disseminated in this country some time before a serious epidemic was recognized.

Probability of Recurrence in the Near Future.

The question of most practical and immediate interest is the probability of recurrence in the near future. Recurrences are characteristic of influenza epidemics; and the history of the last pandemic and previous ones would seem to point to the conclusion that this one has not yet run its full course. On the other hand this epidemic has already shown three more or less distinct phases and has been more severe, at least in mortality, than the three-year epidemic of 1889-92, facts which may justify the hope, though not the conclusion, that it has run its course already.

It seems probable, however, that we may expect at least local recurrences in the near future, with an increase over the normal mortality from pneumonia for perhaps several years; and certainly we should be, as far as possible, prepared to meet them by previous organization of forces and measures for attempted prevention, treatment, and scientific investigation.

Future Study and Control.

As regards preventive measures, the efficacy of those carried out in recent months is not proved, and we can only continue to follow the apparently sound principles already applied. It seems hardly logical to expect that any measure short of effective specific immunization will afford lasting protection to the general population; but we may perhaps hope to delay the spread of infection, thus affording better facilities for treatment of the sick, and this is an achievement well worth while.

With reference to scientific investigations, these should not be conditioned on recurrence of the epidemic. Now is the time to inaugurate comprehensive laboratory and field investigations of influenza and pneumonia, to be continued not for a few months, but for a series of years, since a knowledge of influenza during the intervals between epidemics is essential to the understanding of epidemics. In this connection one of the most essential requisites for a better understanding of the disease is better differential diagnosis of endemic influenza with more careful observation and recording of the relatively mild indefinitely diagnosed epidemics of supposed influenza which are noted from time to time in the intervals between definite epidemics. Even in the absence of a definite diagnosis of individual cases, much would be added to the history of influenza by describing such outbreaks more fully and making them matters of more general record.

A RECENT PAMPHLET ON CANCER.

In response to repeated requests the United States Public Health Service has just issued a popular bulletin entitled "Cancer, Facts Which Every Adult Should Know." This 32-page, pocket-size pamphlet, constituting No. 6 of the "Keep Well Series," published by the United States Public Health Service, was prepared in cooperation with the foremost American authorities on cancer, and may therefore be accepted as representing the best scientific information on this important subject.

The bulletin gives in simple language the main facts regarding the prevalence of cancer, discusses three common causes of needless worry, tells how cancer develops, and describes the causative factors and the chief danger signals of the disease. Special attention is devoted to cancers of the breast, uterus, and digestive organs, and to the various forms of external cancer. An emphatic warning is given regarding alleged "cancer cures," and against quacks and patent nostrums. The use of radium and X-rays is discussed. Following is the summary which concludes the bulletin:

1. Cancer at the beginning is usually painless and its onset for this reason is especially insidious and dangerous.

2. Cancer is at first a small local growth which can be safely and easily removed by competent surgical or other treatment.
3. Cancer is not a constitutional or "blood" disease.
4. Cancer is not contagious.
5. Cancer is, practically speaking, not hereditary.
6. Every lump in the breast should be examined by a competent doctor.
7. Persistent abnormal discharge or bleeding is suspicious.
8. Sores, cracks, lacerations, lumps, and ulcers which do not heal, and warts, moles, or birthmarks which change in size, color, or appearance, may turn into cancer unless treated and cured.
9. Probably 60 per cent of cancers of the rectum are first regarded as piles. Insist on a thorough medical examination.
10. Continued irritation in some form is the usual cause of cancer. It rarely results from a sudden injury.
11. A doctor who treats a suspicious symptom without making a thorough examination does not know his business.

THE NOTIFIABLE DISEASES.

PREVALENCE DURING 1918 IN STATES.

ANTHRAX, CEREBROSPINAL MENINGITIS, DENGUE, DIPHTHERIA, INFLUENZA, MALARIA, MEASLES, PNEUMONIA (ALL FORMS), POLIOMYELITIS, RABIES IN ANIMALS, RABIES IN MAN, ROCKY MOUNTAIN SPOTTED FEVER, SCARLET FEVER, SEPTIC SORE THROAT, SMALLPOX, TUBERCULOSIS (PULMONARY AND ALL FORMS), TYPHOID FEVER, AND TYPHUS FEVER—CASES AND DEATHS REPORTED, CASE RATES, FATALITY AND MORTALITY RATES, 1918; AVERAGE NUMBER OF CASES REPORTED DURING RECENT YEARS (1913 TO 1917) AND CASE RATES.

The tables which appear on the following pages have been compiled from data furnished by the health officers of the several States in response to requests from the United States Public Health Service.

The following table shows States for which morbidity and mortality summaries were received:

Morbidity.	Mortality.	Morbidity.	Mortality.
Alabama.	Alabama.	Montana.	Missouri. ¹
Arizona.	Arizona.	Nebraska.	Nebraska.
Arkansas.	Arkansas.	New Jersey.	New Jersey.
California.	California.	New York.	New York.
Colorado.		North Carolina.	
Connecticut.	Connecticut.	Ohio.	Ohio.
District of Columbia.	Delaware.	Oregon.	Oklahoma.
Florida.	District of Columbia.	Pennsylvania.	Oregon.
Hawaii.	Florida.	Porto Rico.	Pennsylvania.
Illinois.	Hawaii.	Rhode Island.	Porto Rico.
Indiana.	Illinois.	South Carolina.	Rhode Island.
Iowa.	Indiana.	South Dakota.	South Carolina.
Kansas.	Iowa.	Texas.	South Dakota.
Louisiana.	Kansas.	Utah.	Texas.
Maine.	Kentucky.	Vermont.	Utah.
Maryland.	Louisiana.	Virginia.	Vermont.
Massachusetts.	Maine.	Washington.	Washington.
Michigan.	Maryland.	West Virginia.	Wisconsin.
Minnesota.	Massachusetts.	Wisconsin.	Wyoming.
Mississippi.	Michigan.		
	Minnesota.		
	Mississippi.		

¹ Data not given by months.

The populations used in computing the case rates and death rates were those estimated by the Bureau of the Census as of July 1, 1918, except for the population of Iowa. For this State the population in 1910, as ascertained by the census of that year, was used, as no estimate for 1918 was available.

For most of the diseases four separate tables are given: (1) Averages, (2) Morbidity, (3) Mortality, and (4) Rates. The averages were obtained by adding together the cases reported by months for the years 1913, 1914, 1915, 1916, and 1917 and dividing the sums by 5. Data for the full five years were not available for some of the States. The column headed "Years" shows the years and number of years for which the figures were obtainable. In all instances the averages are for years between 1913 and 1917, inclusive. The averages are given by months for the following diseases: Cerebrospinal meningitis, diphtheria, measles, poliomyelitis, scarlet fever, smallpox, tuberculosis (pulmonary and all forms), and typhoid fever. The total cases of anthrax reported in each State during 1916 and 1917 are included in the rate table for this disease under a different heading.

In the morbidity tables are given the number of cases of communicable diseases reported in the States, by months, except rabies in animals and rabies in man, for which only totals are given. The morbidity for influenza is not complete, as this disease was not made reportable until the epidemic began in the fall of 1918. Neither are the pneumonia reports complete.

The mortality tables show deaths from communicable diseases registered in States by months.

The rate table shows the average cases reported per annum for the years 1913 to 1917, inclusive, where the data were available, and the average case rate per 1,000 inhabitants. This was obtained by using the average population of the years for which cases were reported. It also shows the cases and deaths reported; case rates, and fatality and mortality rates in 1918.

In comparing the figures for 1918 with the averages for preceding years, it should be borne in mind that an increase in the number of cases reported may indicate that there were more cases of the particular disease in the State during 1918, or it may indicate that the cases were better reported by the physicians.

A relatively large number of reported cases of a communicable disease, as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths, as indicated by a low fatality rate), usually means that the health department of that State is active and that the cases of the disease are being well reported by the practicing physicians. It does not necessarily mean that the disease is more prevalent in that State than in other States. A high fatality rate may mean that the disease was unusually virulent in a State, that the physicians did not treat the disease in that

State with the success usual elsewhere, or that the practicing physicians did not report all of their cases. On the other hand, an unusually low fatality rate may be due to the fact that the disease in the State was unusually mild, that the physicians treated it with unusual success; that the practicing physicians reported their cases satisfactorily, or that the registration of deaths was incomplete, or the assignment of the causes of death inaccurate.

Summaries of reported cases and deaths from communicable diseases similar to the summary here presented have been issued by the United States Public Health Service for the years 1912 to 1917, inclusive (Reprints Nos. 163, 208, 298, 345, 426, and 505). A comparison of these summaries indicates that, while morbidity reports in the United States are far from complete, steady advance is being made in many of the States.

Cases reported and deaths registered in New York City, during the calendar year 1918, from certain diseases, with indicated morbidity, mortality, and fatality rates.

	Cases.	Deaths.		Cases.	Deaths.
Anthrax:			Influenza:		
January.....	2	0	January.....		72
February.....	1	0	February.....		52
March.....	1	1	March.....		133
April.....	1	1	April.....		106
May.....	2	1	May.....		36
June.....	1	0	June.....		7
July.....	0	0	July.....		6
August.....	0	0	August.....		5
September.....	1	0	September.....	2,131	114
October.....	1	0	October.....	110,903	8,384
November.....	2	1	November.....	16,766	2,731
December.....	3	0	December.....	6,149	916
Total.....	15	4	Total.....		12,562
Rate per 1,000 population...	.003	.001	Rate per 1,000 population...		2.408
Deaths per 100 cases, 26.7...					
Cerebrospinal meningitis:			Malaria:		
January.....	22	11	January.....	0	1
February.....	33	28	February.....	1	0
March.....	62	46	March.....	1	1
April.....	94	33	April.....	3	0
May.....	80	36	May.....	8	2
June.....	30	16	June.....	14	1
July.....	30	17	July.....	10	1
August.....	36	17	August.....	5	0
September.....	29	19	September.....	4	0
October.....	14	14	October.....	5	0
November.....	23	8	November.....	4	2
December.....	24	17	December.....	0	0
Total.....	477	262	Total.....	55	8
Rate per 1,000 population...	.091	.050	Rate per 1,000 population...	.011	.002
Deaths per 100 cases, 54.9...			Deaths per 100 cases, 14.5...		
Diphtheria:			Measles:		
January.....	1,048	112	January.....	4,264	85
February.....	898	101	February.....	4,477	98
March.....	1,086	138	March.....	6,345	173
April.....	1,249	160	April.....	6,003	161
May.....	1,288	121	May.....	4,536	121
June.....	1,231	106	June.....	1,812	79
July.....	893	80	July.....	664	33
August.....	541	52	August.....	241	16
September.....	472	45	September.....	114	10
October.....	801	120	October.....	76	8
November.....	836	90	November.....	67	1
December.....	1,112	120	December.....	76	5
Total.....	11,455	1,245	Total.....	28,675	790
Rate per 1,000 population...	2.196	.239	Rate per 1,000 population...	5.498	1.515
Deaths per 100 cases, 10.9...			Deaths per 100 cases, 2.8...		

Cases reported and deaths registered in New York City, during the calendar year 1918; from certain diseases, with indicated morbidity, mortality, and fatality rates.—Continued.

	Cases.	Deaths.		Cases.	Deaths.
Poliomyelitis:			Tuberculosis (pulmonary):		
January.....	3	0	January.....	1,538	842
February.....	3	2	February.....	1,344	771
March.....	8	4	March.....	1,366	1,061
April.....	10	3	April.....	1,698	860
May.....	1	1	May.....	1,300	743
June.....	13	4	June.....	1,759	643
July.....	26	4	July.....	873	595
August.....	33	6	August.....	1,326	546
September.....	24	3	September.....	1,002	546
October.....	9	1	October.....	721	826
November.....	2	1	November.....	707	711
December.....	2	0	December.....	805	635
Total.....	134	29	Total.....	14,439	8,779
Rate per 1,000 population.....	.026	.006	Rate per 1,000 population.....	2.768	1.683
Deaths per 100 cases, 21.6.			Number of cases reported for each death registered, 1.6.		
Pneumonia (all forms):			Tuberculosis (all forms):		
January.....		1,472	January.....		973
February.....		1,304	February.....		884
March.....		2,296	March.....		1,198
April.....		1,747	April.....		993
May.....		855	May.....		868
June.....		445	June.....		765
July.....		354	July.....		700
August.....		313	August.....		653
September.....	350	470	September.....		632
October.....	15,230	7,184	October.....		326
November.....	4,325	2,069	November.....		783
December.....	2,757	1,519	December.....		724
Total.....		20,628	Total.....		10,099
Rate per 1,000 population.....		3.955	Rate per 1,000 population.....		1.936
Scarlet fever:			Typhoid fever:		
January.....	579	30	January.....	30	6
February.....	546	22	February.....	28	8
March.....	634	16	March.....	35	13
April.....	579	26	April.....	53	6
May.....	512	25	May.....	51	10
June.....	321	20	June.....	164	13
July.....	205	13	July.....	170	30
August.....	105	5	August.....	265	30
September.....	164	1	September.....	209	32
October.....	244	8	October.....	125	28
November.....	206	4	November.....	52	10
December.....	364	7	December.....	56	10
Total.....	4,460	177	Total.....	1,238	196
Rate per 1,000 population.....	.855	.034	Rate per 1,000 population.....	.237	.038
Deaths per 100 cases, 4.0.			Deaths per 100 cases, 15.8.		
Smallpox:			Typhus fever:		
January.....	1		January.....	0	
February.....	3		February.....	0	
March.....	8		March.....	0	
April.....	3		April.....	1	
May.....	3		May.....	3	
June.....	2		June.....	2	
July.....	1		July.....	0	
August.....	0		August.....	1	
September.....	0		September.....	1	
October.....	0		October.....	0	
November.....	0		November.....	0	
December.....	0		December.....	0	
Total.....	21		Total.....	8	
Rate per 1,000 population.....	.004		Rate per 1,000 population.....	.002	

Cases of anthrax reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
California.....	4				1	3	1		6	3	1		19	California.
Florida.....	1												1	Florida.
Kansas.....	1	1	2	0	0	7	1	0	1		0	0	13	Kansas.
Louisiana.....														Louisiana.
Maryland.....		1											1	Maryland.
Massachusetts.....	1	5	2	1		3	4	1	3		3		23	Massachusetts.
New Jersey.....						6	1		1		1	1	10	New Jersey.
New York.....	3	2	1	3	2	1	1	0	1	1	2	3	20	New York.
Ohio.....			1						1				2	Ohio.
Pennsylvania.....	1			2	1	1	2			1	1	2	11	Pennsylvania.
Porto Rico.....		1			1		1	1					2	Porto Rico.
Texas.....					1		1	1					3	Texas.

Deaths registered as due to anthrax, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
California.....	1							1	1	1	1		5	California.
Connecticut.....								1					1	Connecticut.
Florida.....	1												1	Florida.
Hawaii.....	1						1				1		2	Hawaii.
Indiana.....				1									3	Indiana.
Iowa.....								1	2				3	Iowa.
Kansas.....			1			1		1					2	Kansas.
Louisiana.....	1	1				1	1	1					5	Louisiana.
Maine.....													1	Maine.
Massachusetts.....	1		1				2		1	1		1	7	Massachusetts.
New Jersey.....						1		2					1	New Jersey.
New York.....	1		1	1	1	1	1				1		8	New York.
Ohio.....			1										1	Ohio.
Pennsylvania.....	1				1	1	1	2			2		7	Pennsylvania.
Porto Rico.....	1				1	1	1					1	4	Porto Rico.
South Carolina.....			1	1		1							1	South Carolina.
Texas.....							1	1					4	Texas.

Anthrax—Cases reported 1916 and 1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population, July 1, 1918.	Total cases reported, 1916.	Total cases reported, 1917.	1918					State.
				Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
California.....	3,119,412	12	23	19	.003	5	.002	26.3	California.
Colorado.....	1,281,268	1	4	1	.....	1	.....	.....	Colorado.
Connecticut.....	608,877	1	1	1	.001	1	.001	.....	Connecticut.
Florida.....	223,419	.....	.....	1	.....	2	.009	.....	Florida.
Hawaii.....	.....	.....	.....	.....	.....	.....	.....	.....	Hawaii.
Illinois.....	6,317,724	.....	2	.....	.....	0	.....	.....	Illinois.
Indiana.....	2,851,167	.....	.....	.....	.....	3	.001	.....	Indiana.
Iowa.....	2,224,771	.....	.....	.....	.....	3	.001	.....	Iowa.
Kansas.....	1,874,195	4	2	1	.....	2	.001	.....	Kansas.
Louisiana.....	1,881,778	4	27	13	.007	5	.003	38.5	Louisiana.
Maine.....	782,191	.....	.....	.....	.....	1	.001	.....	Maine.
Maryland.....	1,381,529	.....	1	1	.001	0	.....	.....	Maryland.
Massachusetts.....	3,882,790	31	54	23	.006	7	.002	30.4	Massachusetts.
Missouri.....	3,418,498	.....	.....	.....	.....	1	.....	.....	Missouri.
New Jersey.....	3,080,371	7	21	10	.003	1	.....	10.0	New Jersey.
New York.....	10,646,980	15	32	20	.002	8	.001	40.0	New York.
Ohio.....	5,273,814	1	3	2	.....	1	.....	50.0	Ohio.
Pennsylvania.....	8,798,067	31	25	11	.001	7	.001	63.6	Pennsylvania.
Porto Rico.....	1,247,677	.....	.....	2	.....	4	.003	.....	Porto Rico.
South Carolina.....	1,640,934	.....	.....	.....	.....	1	.001	.....	South Carolina.
Texas.....	4,601,279	.....	2	.....	.....	4	.....	.....	Texas.
Vermont.....	296,162	.....	2	3	.....	0	.001	.....	Vermont.
Wisconsin.....	2,553,983	.....	2	.....	.....	0	.....	.....	Wisconsin.

Cerebrospinal meningitis—Monthly averages of cases reported during the years for which data are available, 1913-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1913, 1915-1917—4 years.....	10	11	8	14	10	6	4	2	2	3	3	6	70	Alabama.
Arizona.....	1914, 1917—3 years.....	1	2	3	0	0	0	0	0	0	0	1	1	8	Arizona.
Arkansas.....	1917—1 year.....	2	0	0	0	0	0	2	1	0	0	1	2	12	Arkansas.
California.....	1913-1917—5 years.....	8	5	10	7	16	5	9	5	2	5	6	8	76	California.
Connecticut.....	do.....	6	9	16	21	13	10	4	4	5	3	2	3	96	Connecticut.
District of Columbia.....	do.....	(1)	(1)	2	(1)	2	(1)	(1)	(1)	(1)	(1)	(1)	2	11	District of Columbia.
Hawaii.....	do.....	1	1	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0	(1)	8	Hawaii.
Illinois.....	1913, 1914, 1917—3 years.....	20	14	25	30	31	25	29	21	23	19	18	19	274	Illinois.
Indiana.....	1914-1917—4 years.....	8	4	12	10	7	6	2	3	4	3	2	5	66	Indiana.
Iowa.....	1913, 1914, 1916, 1917—4 years.....	3	3	4	5	2	1	1	2	1	5	2	3	32	Iowa.
Kansas.....	1913-1917—5 years.....	5	6	8	8	7	3	3	2	4	3	4	9	62	Kansas.
Louisiana.....	1914-1917—4 years.....	4	6	4	4	1	1	2	(1)	(1)	2	3	8	36	Louisiana.
Maine.....	1917—1 year.....	0	2	0	0	0	0	0	0	1	0	1	1	6	Maine.
Maryland.....	1915-1917—3 years.....	4	4	8	14	13	11	8	4	3	3	4	8	86	Maryland.
Massachusetts.....	1913, 1916, 1917—3 years.....	13	13	19	15	17	23	10	13	13	11	13	15	175	Massachusetts.
Minnesota.....	1913-1917—5 years.....	2	9	9	23	16	8	5	3	2	3	2	4	96	Minnesota.
Mississippi.....	1914-1917—4 years.....	4	6	6	3	5	2	3	1	4	4	5	6	49	Mississippi.
Montana.....	1913, 1914, 1916, 1917—4 years.....	(1)	(1)	(1)	1	1	2	(1)	(1)	1	(1)	(1)	(1)	12	Montana.
Nevada.....	1913, 1915, 1917—3 years.....	2	1	1	0	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	8	Nevada.
New York.....	1913-1917—5 years.....	26	29	39	38	49	44	30	24	27	25	21	24	378	New York.
Ohio.....	1914-1917—4 years.....	13	22	38	59	40	25	19	16	11	17	15	17	292	Ohio.
Oregon.....	1914, 1916-1917—3 years.....	(1)	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	6	Oregon.
Pennsylvania.....	1916-1917—2 years.....	17	24	76	116	93	70	26	33	20	20	16	20	531	Pennsylvania.
Porto Rico.....	1917—1 year.....	0	0	0	1	2	0	0	0	0	0	1	0	5	Porto Rico.
Rhode Island.....	1916-1917—2 years.....	3	2	2	8	5	3	8	2	1	4	2	2	42	Rhode Island.
South Carolina.....	1913-1917—5 years.....	2	1	2	2	1	4	1	1	1	1	1	1	44	South Carolina.
South Dakota.....	1913, 1914, 1917—3 years.....	0	0	1	2	2	1	(1)	1	1	2	0	2	13	South Dakota.
Texas.....	1915, 1917—2 years.....	7	9	8	5	5	8	4	2	3	1	2	9	63	Texas.
Vermont.....	1916-1917—2 years.....	0	3	0	(1)	(1)	0	(1)	0	0	0	0	0	6	Vermont.
Virginia.....	1915-1917—3 years.....	20	17	25	22	14	20	19	12	15	10	10	14	198	Virginia.
Washington.....	1913-1917—5 years.....	1	1	1	2	3	2	1	1	1	2	1	2	18	Washington.
West Virginia.....	1917—1 year.....	7	6	5	10	2	1	5	1	1	0	2	0	40	West Virginia.
Wisconsin.....	1913-1917—5 years.....	10	8	13	11	9	12	6	7	6	7	6	6	101	Wisconsin.
Wyoming.....	1913, 1914, 1916, 1917—4 years.....	0	(1)	(1)	1	(1)	0	(1)	(1)	0	(1)	(1)	2	6	Wyoming.

1 Less than one.

Cases of cerebrospinal meningitis reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	22	52	34	15	20	9	8	2	12	1	4	9	188	Alabama.
Arkansas.....	45	55	47	16	7	2	2	1	2	1	13	13	204	Arkansas.
California.....	27	26	32	29	24	10	18	17	18	11	6	7	225	California.
Colorado.....	3	1			2				3				9	Colorado.
Connecticut.....	21	10	12	15	11	11	9	7	5	9	5	3	118	Connecticut.
District of Columbia.....	37	31	11	8	16	5	1	0	1	4	4	0	118	District of Columbia.
Florida.....	5	20	14	3			6	3	1	3	3	3	75	Florida.
Illinois.....	48	58	69	62	53	19	28	14	16	8	4	12	389	Illinois.
Indiana.....	8	18	35	21	19	8	6	4	7	11	1	4	140	Indiana.
Iowa.....	8	12	9	5	2	3	3	1	1	5	0	1	50	Iowa.
Kansas.....	32	53	56	23	24	11	3	7	2	4	0	16	231	Kansas.
Louisiana.....	159	64	48	28	1	18	11	6	4	17	11	7	394	Louisiana.
Maine.....	0	0		0	0	1	0	0	7	0	2	12	26	Maine.
Maryland.....	18	29	35	42	27	12	17	13	7	22	14	7	244	Maryland.
Massachusetts.....	21	35	51	67	36	36	25	18	18	31	19	21	378	Massachusetts.
Michigan.....	11	14	11	8	8	9	9	7	4	8	2	4	95	Michigan.
Minnesota.....	11	10	13	10	5	6	1	6	3	1	1	2	68	Minnesota.
Mississippi.....	15	40	25	21	5	3	2	1	1	6	4	1	125	Mississippi.
Montana.....	3	2	7	2	1	3	3			1		1	18	Montana.
Nebraska.....	4	4		7					1	2			26	Nebraska.
New Jersey.....	22	24	33	47	35	17	20	21	6	18	15	7	265	New Jersey.
New York.....	43	51	80	127	99	43	40	48	41	17	33	38	670	New York.
North Carolina.....	13	25	21	8	9	5	9	5	4	5	3	11	123	North Carolina.
Ohio.....	49	51	57	44	23	21	18	31	14	14	8	12	342	Ohio.
Oregon.....	0	0	0	0	2	1	0	0	0	0	0	1	5	Oregon.
Pennsylvania.....	27	42	79	92	95	29	28	31	19	15	21	13	491	Pennsylvania.
Rhode Island.....	7	7	8	13	11	6	4	5	3	1	2	1	64	Rhode Island.
South Carolina.....	108	107	82	31	11	6	5	5		2	1	1	389	South Carolina.
South Dakota.....	3	6	4	5	4	1	4	2	3	4	5	4	49	South Dakota.
Texas.....	46	65	34	15	4	7	3	4	2	2	2	4	188	Texas.
Vermont.....	1					1					1		5	Vermont.
Virginia.....	53	38	51	38	28	9	9	12	15	28	13	20	314	Virginia.
Washington.....	5	8	10	9	10	7	5	1	2	4		7	68	Washington.
West Virginia.....	3	0	3	3	3	0	1	1	0	2	4	0	24	West Virginia.
Wisconsin.....	14	14	25	27	26	17	16	10	6	11	4	11	181	Wisconsin.
Wyoming.....	1	4	1			2	1		1	1	4		15	Wyoming.

Deaths registered as due to cerebrospinal meningitis, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	13	9	18	11	6	5	4	3	0	1	6	6	82	Alabama.
Arizona.....	3	2	11	7	5	8	2	3	3	3	5	4	51	Arizona.
Arkansas.....	27	37	27	17	32	8	10	8	3	14	12	30	225	Arkansas.
California.....	13	19	18	24	12	10	3	27	17	7	2	18	160	California.
Connecticut.....	7	5	4	4	7	7	3	2	1	1	2	2	44	Connecticut.
District of Columbia.....	4	7	4	6	2	2	2	1	3	2	1	2	28	District of Columbia.
Florida.....	7	7	0	4	2	2	4	1	3	3	2	2	37	Florida.
Hawaii.....	0	0	0	2	0	2	4	0	0	2	1	0	11	Hawaii.
Illinois.....	29	16	28	18	14	12	15	8	4	5	4	11	164	Illinois.
Indiana.....	3	3	6	11	4	3	5	4	1	2	1	2	45	Indiana.
Iowa.....	9	14	7	5	11	2	5	2	2	4	2	6	69	Iowa.
Kansas.....	14	26	22	15	5	3	9	4	4	12	8	9	131	Kansas.
Kentucky.....	51	74	70	62	38	45	30	35	28	44	36	25	531	Kentucky.
Louisiana.....	21	19	12	7	4	2	2	3	0	4	2	3	82	Louisiana.
Maine.....	2	1	5	5	.....	2	2	3	2	5	2	1	30	Maine.
Maryland.....	11	8	17	15	12	7	7	7	1	15	5	3	105	Maryland.
Massachusetts.....	16	23	30	34	20	20	15	8	12	12	14	20	224	Massachusetts.
Michigan.....	28	30	21	33	36	28	21	12	15	18	11	15	268	Michigan.
Minnesota.....	2	2	5	2	1	2	2	2	2	1	1	1	23	Minnesota.
Nebraska.....	4	3	11	8	1	2	2	2	2	0	0	4	37	Nebraska.
New Jersey.....	7	4	11	17	11	1	7	4	1	1	1	4	69	New Jersey.
New York.....	28	41	63	43	65	30	27	25	26	40	22	33	443	New York.
Ohio.....	13	21	32	21	1	16	10	12	11	5	5	4	161	Ohio.
Oklahoma.....	3	6	6	4	7	1	2	1	0	0	0	1	31	Oklahoma.
Oregon.....	0	0	0	3	1	2	0	0	1	0	0	1	8	Oregon.
Rhode Island.....	3	1	4	7	4	7	2	1	3	4	1	1	38	Rhode Island.
South Carolina.....	33	40	39	22	5	15	10	3	5	20	4	11	207	South Carolina.
South Dakota.....	2	6	4	5	4	.....	4	2	3	4	5	4	43	South Dakota.
Texas.....	31	46	27	16	5	8	7	9	2	4	5	4	164	Texas.
Utah.....	1	2	1	.....	.....	.....	1	1	1	1	.....	.....	7	Utah.
Vermont.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	1	.....	3	Vermont.
Washington.....	9	4	10	9	11	3	9	1	2	15	3	5	81	Washington.
Wisconsin.....	31	38	37	42	35	26	23	23	7	13	39	51	365	Wisconsin.
Wyoming.....	.....	3	1	.....	.....	1	1	.....	1	1	4	.....	12	Wyoming.

Cerebrospinal meningitis—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Average.				1918				State.
	Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
Alabama.....	1913, 1915-1917-4 years.....	79	0.034	188	0.078	82	0.034	43.6	Alabama.
Arizona.....	1914-1 year.....	8	.033	204	.072	51	.187	.....	Arizona.
Arkansas.....	1917-1 year.....	12	.007	225	.072	225	.125	.....	Arkansas.
California.....	1913-1917-5 years.....	76	.027	9	.009	160	.031	71.1	California.
Colorado.....	1913-1917-5 years.....	96	.078	118	.092	44	.034	37.3	Colorado.
Connecticut.....	1913-1917-5 years.....	11	.031	75	.080	37	.039	49.3	Connecticut.
District of Columbia.....	do.....	8	.038	389	.062	184	.026	.....	District of Columbia.
Florida.....	1913-1917-5 years.....	274	.045	140	.049	45	.016	42.2	Florida.
Hawaii.....	1913, 1914, 1917-3 years.....	66	.024	50	.014	89	.031	32.1	Hawaii.
Illinois.....	1914-1917-4 years.....	62	.034	231	.123	131	.070	56.7	Illinois.
Indiana.....	1913, 1914, 1916, 1917-4 years.....	36	.020	394	.209	536	.223	.....	Indiana.
Iowa.....	1913-1917-5 years.....	8	.008	26	.008	82	.044	20.8	Iowa.
Kansas.....	1914-1917-4 years.....	6	.063	244	.176	30	.088	.....	Kansas.
Kentucky.....	1917-1 year.....	86	.048	378	.099	108	.078	44.3	Kentucky.
Louisiana.....	1913, 1916, 1917-3 years.....	175	.043	95	.029	224	.058	59.3	Louisiana.
Maine.....	1913-1917-5 years.....	96	.043	68	.029	268	.086	.....	Maine.
Massachusetts.....	1914-1917-4 years.....	49	.025	125	.062	23	.010	33.8	Massachusetts.
Michigan.....	1913-1917-5 years.....	12	.027	18	.037	6	.031	4.8	Michigan.
Minnesota.....	1914-1917-4 years.....	8	.078	26	.087	107	.029	.....	Minnesota.
Mississippi.....	1913, 1914, 1916, 1917-4 years.....	8	.037	26	.087	37	.029	.....	Mississippi.
Missouri.....	1913, 1915, 1917-3 years.....	8	.078	26	.087	37	.029	.....	Missouri.
Montana.....	1913-1917-5 years.....	376	.037	670	.086	69	.022	26.0	Montana.
Nebraska.....	1913-1917-5 years.....	376	.037	670	.086	69	.022	26.0	Nebraska.
Nevada.....	1914-1917-4 years.....	292	.057	342	.065	443	.042	66.1	Nevada.
New Jersey.....	1913-1917-5 years.....	292	.057	342	.065	443	.042	66.1	New Jersey.
New York.....	1914-1917-4 years.....	6	.007	5	.007	161	.031	47.1	New York.
North Carolina.....	1916, 1917-2 years.....	531	.062	491	.062	31	.013	.....	North Carolina.
Ohio.....	1917-1 year.....	5	.004	64	.100	8	.009	.....	Ohio.
Oklahoma.....	1913-1917-5 years.....	44	.027	359	.216	38	.060	59.4	Oklahoma.
Oregon.....	1914, 1916, 1917-3 years.....	6	.007	5	.007	207	.125	57.7	Oregon.
Pennsylvania.....	1916, 1917-2 years.....	5	.004	64	.100	38	.060	59.4	Pennsylvania.
Porto Rico.....	1917-1 year.....	5	.004	64	.100	38	.060	59.4	Porto Rico.
Rhode Island.....	1916, 1917-2 years.....	42	.068	64	.100	38	.060	59.4	Rhode Island.
South Carolina.....	1913-1917-5 years.....	44	.027	359	.216	207	.125	57.7	South Carolina.

South Dakota.....	735,434	1913, 1914, 1917-3 years.....	13	.019	45	.001	43	.038	95.6	South Dakota.
Texas.....	4,601,279	1915, 1917-2 years.....	63	.014	188	.041	164	.036	87.2	Texas.
Utah.....	453,648						7	.015		Utah.
Vermont.....	366,192	1916, 1917-2 years.....	6	.016	5	.014	3	.008	60.0	Vermont.
Virginia.....	2,234,030	1916-1917-3 years.....	198	.090	314	.141				Virginia.
Washington.....	1,660,578	1913-1917-5 years.....	18	.012	68			.049		Washington.
West Virginia.....	1,439,165	1917-1 year.....	40	.028	24	.017	81			West Virginia.
Wisconsin.....	2,553,983	1913-1917-5 years.....	101	.041	181		365	.148		Wisconsin.
Wyoming.....	190,380	1913, 1914, 1916, 1917-4 years.....	6	.034	15	.078	12	.063	80.0	Wyoming.

Dengue—Cases reported and deaths registered, 1918.

	Cases.	Deaths.		Cases.	Deaths.		Cases.	Deaths.
California:			Louisiana:			Texas:		
October.....	1	0	February.....	1	0	March.....	13	1
Florida:			May.....	72	0	April.....		1
February.....	8	0	June.....	1	0	June.....	3	
September.....	1	0	Porto Rico:			September.....	99	
October.....	2	0	July.....	145		October.....	9	1
December.....	1	0	August.....	200		November.....	3	2

Diphtheria.—Monthly averages of cases reported during the years for which data are available, 1913-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1913, 1915-1917—4 years.....	41	31	35	25	26	14	20	60	123	121	91	57	647	Alabama.
Arizona.....	1914, 1916—2 years.....	2	10	4	4	6	2	3	1	1	5	5	0	40	Arizona.
Arkansas.....	1917—1 year.....	98	10	13	4	6	4	4	11	40	53	33	72	288	Arkansas.
California.....	1913-1917—5 years.....	272	239	256	191	240	200	133	142	142	149	323	323	2,731	California.
Colorado.....	1914, 1916, 1917—3 years.....	26	148	54	165	441	31	30	32	46	68	301	270	584	Colorado.
Connecticut.....	1913-1917—5 years.....	264	190	181	165	161	152	128	96	151	276	301	266	2,433	Connecticut.
District of Columbia.....	do.....	16	40	55	15	37	20	18	16	36	121	128	108	681	District of Columbia.
Hawaii.....	do.....	17	15	48	15	0	10	7	11	11	0	2	13	178	Hawaii.
Idaho.....	1913-1917—5 years.....	2	2	3	3	0	828	715	375	889	1,123	1,579	1,237	12,247	Idaho.
Illinois.....	1913, 1914, 1917—3 years.....	1,366	983	1,117	903	932	106	16	166	330	632	623	443	3,728	Illinois.
Indiana.....	1913-1917—5 years.....	357	189	189	153	138	190	116	28	44	103	96	88	1,732	Indiana.
Iowa.....	1913, 1914, 1916, 1917—4 years.....	135	69	95	56	49	44	34	26	86	303	354	283	1,564	Iowa.
Kansas.....	1913-1917—5 years.....	130	90	95	63	63	52	47	82	155	186	120	87	1,094	Kansas.
Louisiana.....	1913-1917—5 years.....	133	78	71	115	58	32	33	21	125	288	163	62	1,034	Louisiana.
Maine.....	1914-1917—3 years.....	231	179	103	89	19	12	19	83	167	283	319	251	2,017	Maine.
Maryland.....	1913-1917—5 years.....	235	175	175	103	68	68	72	404	346	796	918	918	5,113	Maryland.
Massachusetts.....	1913, 1916, 1917—3 years.....	771	683	714	638	668	612	474	464	305	389	681	694	3,480	Massachusetts.
Michigan.....	1913-1917—5 years.....	500	378	425	305	368	333	290	227	231	396	377	293	3,300	Michigan.
Minnesota.....	1913-1917—5 years.....	314	255	237	243	297	220	204	227	153	212	173	129	1,057	Minnesota.
Mississippi.....	do.....	78	54	37	29	23	34	42	93	153	212	173	20	228	Mississippi.
Montana.....	1914-1917—4 years.....	16	16	20	15	17	15	20	13	17	23	20	30	10	Montana.
Nevada.....	1913, 1914, 1916, 1917—4 years.....	630	827	517	444	520	456	368	300	404	658	763	674	6,281	Nevada.
New Jersey.....	1913, 1915, 1917—3 years.....	1	(1)	0	1	1	(1)	2	1	1	2	1	1	10	New Jersey.
New York.....	1913-1917—5 years.....	2,031	1,921	1,924	1,740	1,920	1,850	1,493	969	1,118	1,719	1,780	1,966	20,361	New York.
North Dakota.....	1917—1 year.....	33	36	49	24	23	33	46	34	61	27	78	95	539	North Dakota.
Ohio.....	1914-1917—4 years.....	882	649	600	472	466	409	350	486	788	1,206	939	8,531	8,531	Ohio.
Oklahoma.....	1913, 1915, 1917—3 years.....	112	72	58	47	31	22	22	49	154	230	208	208	1,279	Oklahoma.
Oregon.....	1916, 1917—2 years.....	32	21	24	21	21	22	15	17	16	25	39	38	231	Oregon.
Pennsylvania.....	1913-1917—5 years.....	1,451	1,239	1,109	971	998	870	829	909	1,374	1,948	1,929	1,550	16,297	Pennsylvania.
Porto Rico.....	1914, 1915, 1917—3 years.....	113	103	101	75	13	6	13	16	68	125	110	97	143	Porto Rico.
Rhode Island.....	1913-1917—5 years.....	97	89	65	71	50	51	56	160	316	348	242	202	1,083	Rhode Island.
South Carolina.....	1913, 1914, 1917—3 years.....	33	23	24	17	20	16	21	13	13	16	36	20	254	South Carolina.
South Dakota.....	1913-1917—5 years.....	156	110	74	52	46	41	69	53	139	358	456	277	1,871	South Dakota.
Texas.....	1915, 1917—2 years.....	33	24	23	26	17	22	17	20	29	45	42	38	336	Texas.
Utah.....	1913-1917—4 years.....	42	27	25	33	33	28	25	24	25	66	67	52	447	Utah.
Vermont.....	1914-1917—5 years.....	262	244	120	89	64	53	85	225	445	659	618	327	3,188	Vermont.
Virginia.....	do.....	48	40	37	33	36	35	28	27	33	35	50	45	453	Virginia.
Washington.....	1917—1 year.....	82	55	43	38	36	29	18	70	180	125	173	73	927	Washington.
West Virginia.....	1913-1917—5 years.....	255	167	198	180	160	126	113	158	140	248	259	217	2,251	West Virginia.
Wisconsin.....	do.....	3	4	5	1	1	(1)	2	1	6	6	8	8	46	Wisconsin.
Wyoming.....	1913-1917—5 years.....	3	4	5	1	1	(1)	2	1	6	6	8	8	46	Wyoming.

1 Less than one.

Cases of diphtheria reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	53	39	40	26	16	17	60	126	150	120	57	43	747	Alabama.
Arizona.....	10	1	1	3	1	5	6	7	0	1	2	1	38	Arizona.
Arkansas.....	17	19	15	16	3	5	6	12	13	14	11	27	173	Arkansas.
California.....	354	280	306	284	290	246	222	188	187	381	169	210	3,117	California.
Colorado.....	68	36	48	62	86	82	53	36	56	46	23	22	620	Colorado.
Connecticut.....	322	173	203	208	132	132	159	99	204	248	209	239	2,548	Connecticut.
District of Columbia.....	57	37	40	55	72	44	23	13	21	31	48	67	517	District of Columbia.
Florida.....	31	32	32	8	10	19	13	14	36	43	55	43	329	Florida.
Illinois.....	1,028	649	751	685	565	596	487	362	604	990	793	705	8,075	Illinois.
Indiana.....	352	334	301	264	201	155	176	185	222	173	216	230	2,839	Indiana.
Iowa.....	88	78	73	74	68	52	62	51	78	115	96	70	911	Iowa.
Kansas.....	214	88	128	138	92	57	45	59	148	116	118	90	1,233	Kansas.
Louisiana.....	84	94	51	52	96	298	194	145	79	42	41	35	1,201	Louisiana.
Maine.....	20	15	54	15	9	15	17	30	15	29	29	14	232	Maine.
Maryland.....	165	125	92	63	91	59	64	58	88	152	122	162	1,261	Maryland.
Massachusetts.....	950	678	744	667	663	473	453	337	430	410	532	584	6,821	Massachusetts.
Michigan.....	593	498	482	379	368	342	454	302	455	663	637	709	5,912	Michigan.
Minnesota.....	314	211	339	362	343	255	232	228	221	411	321	365	3,600	Minnesota.
Mississippi.....	72	54	335	35	40	49	50	105	103	109	104	82	1,138	Mississippi.
Montana.....	58	25	21	30	51	19	28	15	14	16	21	11	309	Montana.
Nebraska.....	55	34	21	57	104	69	51	36	96	80	32	71	706	Nebraska.
New Jersey.....	413	361	413	485	342	303	341	204	324	374	422	483	4,465	New Jersey.
New York.....	1,543	1,268	1,554	1,619	1,680	1,587	1,226	821	819	1,290	1,900	1,754	16,501	New York.
North Carolina.....	75	51	49	44	40	38	65	143	321	233	171	97	1,327	North Carolina.
North Dakota.....	39	38	49	52	61	31	30	24	38	11	9	9	391	North Dakota.
Ohio.....	618	619	607	385	333	361	330	338	459	549	509	399	5,507	Ohio.
Oregon.....	7	15	10	8	14	22	11	13	19	17	21	25	182	Oregon.
Pennsylvania.....	1,063	1,049	1,046	1,002	860	824	779	752	1,085	1,969	1,118	1,291	12,378	Pennsylvania.
Porto Rico.....	8	11	11	7	17	19	10	19	21	10	10	7	138	Porto Rico.
Rhode Island.....	83	65	79	95	70	74	55	29	70	63	72	130	895	Rhode Island.
South Carolina.....	99	45	64	93	51	8	50	84	221	79	147	94	1,039	South Carolina.
South Dakota.....	26	15	17	24	7	16	30	27	14	44	26	27	273	South Dakota.
Texas.....	126	100	107	61	76	50	48	76	70	38	42	39	853	Texas.
Utah.....	46	41	41	52	45	21	47	48	44	85	69	51	594	Utah.
Vermont.....	17	11	14	18	8	9	21	13	38	38	19	35	241	Vermont.
Virginia.....	121	111	98	77	37	38	42	132	113	272	199	129	1,367	Virginia.
Washington.....	93	173	58	45	57	38	33	38	93	124	53	57	862	Washington.
West Virginia.....	51	28	19	28	13	13	31	20	45	25	36	32	345	West Virginia.
Wisconsin.....	241	158	138	130	171	133	156	100	136	160	125	126	1,774	Wisconsin.
Wyoming.....	20	50	18	18	25	13	6	11	24	6	7	4	262	Wyoming.

Deaths registered as due to diphtheria, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	30	10	11	8	2	3	12	26	27	38	18	10	195	Alabama.
Arizona.....	1	1	2	2	4	1	3	.....	.....	.....	.....	.....	17	Arizona.
Arkansas.....	19	7	3	2	3	4	4	8	9	18	5	17	104	Arkansas.
California.....	21	18	19	18	13	17	13	9	19	15	16	21	204	California.
Connecticut.....	19	12	25	2	13	10	9	10	18	26	21	27	207	Connecticut.
Delaware.....	5	10	2	1	2	1	0	1	2	8	3	2	27	Delaware.
District of Columbia.....	4	4	1	.....	4	1	0	1	.....	.....	.....	.....	40	District of Columbia.
Florida.....	10	6	8	3	2	2	5	6	12	14	9	14	89	Florida.
Hawaii.....	3	.....	.....	.....	2	2	2	1	2	1	1	1	17	Hawaii.
Illinois.....	144	105	103	100	82	65	69	61	77	154	103	80	1,152	Illinois.
Indiana.....	63	15	42	47	22	14	21	23	23	35	40	39	317	Indiana.
Iowa.....	15	11	14	14	13	8	13	12	28	33	26	25	211	Iowa.
Kansas.....	19	9	14	18	10	4	1	1	8	13	16	16	129	Kansas.
Kentucky.....	27	14	20	18	9	7	5	10	36	37	35	17	234	Kentucky.
Louisiana.....	16	12	5	16	1	5	4	6	9	7	12	6	102	Louisiana.
Maine.....	11	8	5	5	1	.....	4	6	3	13	13	1	60	Maine.
Maryland.....	15	13	8	14	0	.....	5	4	5	34	13	15	137	Maryland.
Massachusetts.....	90	54	55	68	40	2	34	25	35	57	74	72	594	Massachusetts.
Michigan.....	78	67	67	38	41	30	46	25	36	79	72	81	658	Michigan.
Minnesota.....	10	16	26	18	33	23	19	16	23	42	26	18	274	Minnesota.
Missouri.....	17	6	8	8	3	8	8	6	0	0	0	0	93	Missouri.
Nebraska.....	54	43	46	46	33	28	27	18	36	56	50	54	483	Nebraska.
New Jersey.....	172	150	173	206	162	135	105	70	83	186	140	181	1,772	New Jersey.
New York.....	61	55	.....	8	2	22	2	23	42	52	46	50	497	New York.
North Dakota.....	1	1	1	1	1	1	1	1	1	1	1	1	3	North Dakota.
Ohio.....	7	15	13	36	35	22	10	23	42	52	46	50	497	Ohio.
Oklahoma.....	1	2	1	1	.....	3	0	2	2	4	5	16	27	Oklahoma.
Oregon.....	192	129	169	131	108	112	84	73	133	257	194	198	1,770	Oregon.
Pennsylvania.....	18	3	3	6	3	10	0	11	3	5	9	3	55	Pennsylvania.
Rhode Island.....	13	8	12	13	7	10	2	3	3	9	6	11	100	Rhode Island.
South Carolina.....	3	2	5	6	4	3	4	2	11	20	10	5	81	South Carolina.
South Dakota.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	South Dakota.
Texas.....	37	30	25	12	12	5	7	0	10	20	15	29	197	Texas.
Utah.....	7	7	6	1	2	5	5	4	6	5	17	5	68	Utah.
Vermont.....	3	1	1	1	3	2	2	2	2	3	1	3	23	Vermont.
Washington.....	8	4	5	8	3	2	4	2	4	18	7	11	83	Washington.
Wisconsin.....	25	18	14	23	25	17	25	5	14	27	22	20	280	Wisconsin.
Wyoming.....	2	3	4	1	2	2	1	1	.....	3	1	2	24	Wyoming.

Diphtheria—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Average.			1918					State.
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
Alabama.....	2,305,270	1913, 1915-1917—4 years.	617	0.28	747	0.31	195	0.08	26.1	Alabama.
Arizona.....	1,272,034	1914, 1916—2 years.	10	.16	388	.14	17	.06	44.7	Arizona.
Arkansas.....	1,792,965	1914—1 year.	288	.16	175	.06	104	.06	60.1	Arkansas.
California.....	3,119,422	1913, 1917—5 years.	2,731	.86	3,117	1.00	204	.07	6.5	California.
Colorado.....	1,014,581	1914, 1916, 1917—3 years.	506	.49	620	.61	201	.16	3.6	Colorado.
Connecticut.....	1,286,268	1913-1917—5 years.	2,343	1.91	2,348	1.83	201	.16	3.6	Connecticut.
Delaware.....	216,841	1913-1917—5 years.	681	1.90	517	1.29	27	.12	7.8	Delaware.
District of Columbia.....	401,681	1913-1917—5 years.	178	.84	329	.35	40	.10	26.1	District of Columbia.
Florida.....	998,877	1913-1917—5 years.	127	.08	247	.23	86	.09	7.8	Florida.
Hawaii.....	223,419	1913-1917—5 years.	29	.03	84	.....	17	.08	.....	Hawaii.
I Idaho.....	401,766	1913—1 year.	178	.08	247	.23	86	.09	7.8	Idaho.
Illinois.....	6,317,734	1913, 1914, 1917—3 years.	12,247	2.03	8,075	1.28	1,152	.18	14.3	Illinois.
Indiana.....	2,854,167	1913, 1917—5 years.	3,528	1.26	2,839	.99	417	.15	14.7	Indiana.
Iowa.....	2,224,771	1913, 1914, 1916, 1917—4 years.	1,752	.84	911	.41	211	.09	23.2	Iowa.
Kansas.....	1,874,195	1913-1917—5 years.	1,564	.87	1,283	.69	129	.07	10.0	Kansas.
Kentucky.....	2,408,547	1914-1917—4 years.	1,054	.58	1,201	.64	234	.10	8.5	Kentucky.
Louisiana.....	1,884,778	1916, 1917—2 years.	334	.46	262	.33	60	.08	22.9	Louisiana.
Maine.....	782,191	1913-1917—3 years.	2,007	1.47	1,261	.91	137	.10	10.9	Maine.
Maryland.....	1,384,589	1913, 1916, 1917—3 years.	8,113	2.20	6,921	1.81	594	.15	8.6	Maryland.
Massachusetts.....	3,832,790	1913-1917—5 years.	6,480	1.62	3,912	1.89	658	.21	11.1	Massachusetts.
Michigan.....	3,133,678	1913-1917—5 years.	3,306	1.47	3,600	1.53	274	.12	7.6	Michigan.
Minnesota.....	2,345,287	do.	1,057	.55	1,138	.57	137	.07	12.0	Minnesota.
Mississippi.....	2,001,466	1914-1917—4 years.	1,057	.55	1,138	.57	137	.07	12.0	Mississippi.
Missouri.....	3,448,495	1913, 1914, 1916, 1917—4 years.	228	.51	309	.64	103	.08	14.6	Missouri.
Montana.....	1,481,376	1913, 1915, 1917—3 years.	10	.10	465	1.45	485	.16	10.9	Montana.
Nebraska.....	1,256,877	1913-1917—5 years.	20,361	2.02	16,501	1.55	1,772	.17	10.7	Nebraska.
Nevada.....	115,742	do.	539	.70	391	.49	35	.04	9.0	Nevada.
New Jersey.....	3,069,371	1913-1917—5 years.	8,551	1.67	5,807	1.04	497	.09	9.0	New Jersey.
New York.....	10,046,989	do.	1,279	.60	182	.20	124	.05	14.8	New York.
North Carolina.....	2,468,025	1917—1 year.	15,287	1.78	12,378	1.41	1,770	.20	14.3	North Carolina.
North Dakota.....	791,437	1914-1917—4 years.	8,551	1.67	5,807	1.04	497	.09	9.0	North Dakota.
Ohio.....	5,273,814	1913, 1915, 1917—3 years.	8,551	1.67	5,807	1.04	497	.09	9.0	Ohio.
Oklahoma.....	2,377,629	1913-1917—5 years.	888,243	.36	182	.20	124	.05	14.8	Oklahoma.
Oregon.....	888,243	1913-1917—5 years.	15,287	1.78	12,378	1.41	1,770	.20	14.3	Oregon.
Pennsylvania.....	8,798,067	1916, 1917—3 years.	15,287	1.78	12,378	1.41	1,770	.20	14.3	Pennsylvania.

Diphtheria—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918—Continued.

State.	Estimated population July 1, 1918.	Average.			1918					State.
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
Porto Rico.....	1,247,677	1914, 1915, 1917-3 years.....	143	.12	138	.11	55	.04	39.9	Porto Rico.
Rhode Island.....	637,415	1914, 1916, 1917-3 years.....	1,083	1.77	895	1.40	100	.16	11.2	Rhode Island.
South Carolina.....	1,660,934	1913-1917-5 years.....	1,747	1.09	1,039	.63	81	.05	7.8	South Carolina.
South Dakota.....	735,434	1913, 1914, 1917-3 years.....	254	.38	273	.37	25	.03	9.2	South Dakota.
Texas.....	4,601,279	1915, 1917-2 years.....	1,871	.42	833	.18	197	.04	23.6	Texas.
Utah.....	453,648	1913-1915, 1917-4 years.....	336	.80	594	1.31	68	.15	11.5	Utah.
Vermont.....	366,192	1914-1917-4 years.....	447	1.23	241	.66	23	.06	9.5	Vermont.
Virginia.....	2,234,030	1913-1917-5 years.....	3,188	1.47	1,367	.61	83	.05	9.6	Virginia.
Washington.....	1,660,578	do.....	453	.31	862	.52	.....	.....	.....	Washington.
West Virginia.....	1,439,165	1917-1 year.....	927	.66	345	.24	250	.10	14.1	West Virginia.
Wisconsin.....	2,553,983	1913-1917-5 years.....	2,251	.91	1,774	.69	24	.13	11.9	Wisconsin.
Wyoming.....	190,380	do.....	46	.26	202	1.06	.....	.....	.....	Wyoming.

Cases of influenza and pneumonia (all forms) reported, 1918.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	
Alabama:														Alabama:
Influenza.....	81	54	27	37	29	7	2	1	15	122,127	13,507	8,148	141,035	Influenza.
Pneumonia (all forms).....	1,007	565	1,061	209	340	158	291	108	415	8,229	8,775	452	13,670	Pneumonia (all forms).
Arkansas:														Arkansas:
Influenza.....										39,724	5,008	3,943		Influenza.
California:														California:
Influenza.....	440	366	370	331	319	100	185	140	132	108,752	71,807	54,480		Influenza.
Pneumonia (all forms).....										1,044	1,301	273	4,631	Pneumonia (all forms).
Colorado:														Colorado:
Influenza.....										20,976	15,770	8,124		Influenza.
Pneumonia (all forms).....	18	1	2	3	1				2	1,183	6,548	201	1,960	Pneumonia (all forms).
Connecticut:														Connecticut:
Influenza.....										82,057	6,773	8,041		Influenza.
Pneumonia (all forms).....	7	28	75	57	30	8	17	11	8,970	1,464	207	224	2,256	Pneumonia (all forms).
Florida:														Florida:
Influenza.....										9,295	1,722	598		Influenza.
Pneumonia (all forms).....	47	77	36	27	75	22	14	21	27	386	1,166	54	982	Pneumonia (all forms).
Illinois:														Illinois:
Influenza.....										145,067	40,806	43,304		Influenza.
Pneumonia (all forms).....	602	560	1,242	1,409	612	163	142	68	541	10,375	2,274	2,596	20,298	Pneumonia (all forms).
Indiana:														Indiana:
Influenza.....										45,430	27,344	27,248		Influenza.
Pneumonia (all forms).....										2,219	840	1,271		Pneumonia (all forms).
Iowa:														Iowa:
Influenza.....										42,797	18,827	31,638		Influenza.
Kansas:														Kansas:
Influenza.....										45,971	40,875	46,354		Influenza.
Pneumonia (all forms).....	249	310	306	212	117	23	10	8	277	566	433	648	2,922	Pneumonia (all forms).
Louisiana:														Louisiana:
Influenza.....										137,155	21,864	25,816		Influenza.
Pneumonia (all forms).....	487	454	334	222	253	347	120	126	108	1,088	42	83	3,742	Pneumonia (all forms).
Maine:														Maine:
Influenza.....										20,162	7,311	11,688		Influenza.
Pneumonia (all forms).....										367	285	325		Pneumonia (all forms).
Maryland:														Maryland:
Influenza.....	69	80	83	38	18	7	10	5	1,702	47,928	16,534	13,760	80,254	Influenza.
Pneumonia (all forms).....	719	925	1,252	860	462	165	135	65	92	5,377	478	409	10,939	Pneumonia (all forms).
Massachusetts:														Massachusetts:
Influenza.....										88,494	14,730	42,018		Influenza.
Pneumonia (lobar).....	698	883	796	1,195	563	200	140	170	3,114	3,817	616	1,202	13,394	Pneumonia (lobar).
Michigan:														Michigan:
Influenza.....										43,540	26,862	45,663		Influenza.
Pneumonia (all forms).....	223	187	267	445	168	83	55	42	78	1,947	26,697	1,243	4,835	Pneumonia (all forms).

Cases of influenza and pneumonia (all forms) reported, 1918—Continued.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	
Minnesota: Influenza.....									281	61,121	43,320	22,251	.....	Minnesota: Influenza Pneumonia (all forms).
.....										1,485	2,126	7,725	.....	Pneumonia (all forms).
Mississippi: Influenza.....										(1)	(1)	28,280	.....	Mississippi: Influenza Pneumonia (all forms).
.....	4,043	3,594	2,609	1,732	650	247	253	233	389	5,044	3,607	3,087	25,438	.....
Montana: Influenza.....										10,980	12,103	5,471	.....	Montana: Influenza Pneumonia (all forms).
.....														
Nebraska: Influenza.....													.....	Nebraska: Influenza Pneumonia (all forms).
.....	20	20	8	13	0	2	3		31	45,591	33,777	45,882	160	.....
New Jersey: Influenza.....									9	55	3	30	.....	New Jersey: Influenza Pneumonia (all forms).
.....														
New York: Influenza.....										258,447	15,140	19,252	.....	New York: Influenza Pneumonia (all forms).
.....										15,272	1,281	1,474	.....	.....
North Carolina: Influenza.....	74	174	362	765	368	144	118	56	2,131	309,614	65,393	39,441	.....	North Carolina: Influenza Pneumonia (all forms).
.....									2,424	19,878	6,727	4,184	33,274	.....
North Dakota: Influenza.....										103,349	10,136	11,092	.....	North Dakota: Influenza Pneumonia (all forms).
.....	1			6					17	7,908	5,426	4,888	18,246	.....
Pneumonia (all forms).....	1			4	3				1	105	83	62	259	.....
Ohio: Influenza.....													.....	Ohio: Influenza Pneumonia (all forms).
.....	498	343	458	556	238	85	81	67	213	51,612	53,664	67,912	7,410	.....
Oregon: Influenza.....										1,994	1,486	1,391	.....	Oregon: Influenza Pneumonia (lobar).
.....										8,657	10,572	8,970	28,204	.....
Pennsylvania: Influenza.....	0	0	0	1	0	0	0	1	3	53	89	45	200	.....
.....	2	0	1	4	6	0	0	0	0				.....	Pennsylvania: Influenza Pneumonia (all forms).
Pneumonia (all forms).....	1,209	1,320	1,202	1,551	703	234	219	114	169	3,332	1,042	599	11,894	.....
Porto Rico: Influenza.....													.....	Porto Rico: Influenza Pneumonia (all forms).
.....	2	3	1							19,250	57,750	115,503	1,259	.....
Rhode Island: Influenza.....										147	542	554	.....	Rhode Island: Influenza Pneumonia (all forms).
.....										16,581	1,702	3,607	.....	.....
South Carolina: Influenza.....									9,645				.....	South Carolina: Influenza Pneumonia (all forms).
.....	34	92	12	47	27				2,767	77,635	18,198	2,674	694	.....
Pneumonia (all forms).....								2	12	6	252	98	.....	South Dakota: Influenza Pneumonia (all forms).
South Dakota: Influenza.....													.....	.....
.....	5	4	5	7	2	1			246	22,122	11,692	10,317	44,401	.....
Pneumonia (all forms).....	35	40	49	55	36	26	9	8	22	90	410	217	897	.....

Influenza, pneumonia (all forms), and both diseases combined—Deaths registered, 1918.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	
Alabama:														Alabama:
Influenza.....	81	54	27	37	29	7	2	1	15	2,478	1,446	1,269	5,446	Influenza.
Pneumonia (all forms).....	730	731	462	597	275	111	62	75	110	1,225	775	536	5,689	Pneumonia (all forms).
Combined.....	811	785	489	634	304	118	64	76	125	3,703	2,221	1,805	11,135	Combined.
Arizona:														Arizona:
Influenza.....	2	1	2	7	3	.....	1	.....	1	230	246	84	577	Influenza.
Pneumonia (all forms).....	81	76	84	126	66	53	23	26	19	618	762	292	2,226	Pneumonia (all forms).
Combined.....	83	77	86	133	69	53	24	26	20	848	1,008	376	2,803	Combined.
Arkansas:														Arkansas:
Influenza.....	28	24	33	15	12	1	1	.....	20	1,066	814	1,015	3,029	Influenza.
Pneumonia (all forms).....	284	226	209	132	130	53	55	50	71	642	207	330	2,399	Pneumonia (all forms).
Combined.....	322	250	242	147	142	54	56	50	91	1,708	1,021	1,345	5,428	Combined.
California:														California:
Influenza.....	32	21	20	26	20	11	7	2	8	4,420	5,702	2,969	13,268	Influenza.
Pneumonia (all forms).....	457	415	492	441	304	215	155	171	195	961	803	659	5,268	Pneumonia (all forms).
Combined.....	489	436	512	467	324	226	162	173	203	5,381	6,505	3,658	18,536	Combined.
Connecticut:														Connecticut:
Influenza.....	33	47	42	49	15	5	2	3	300	5,158	1,022	742	7,418	Influenza.
Pneumonia (all forms).....	332	310	429	356	165	73	62	69	148	665	275	330	3,204	Pneumonia (all forms).
Combined.....	365	357	471	405	180	78	64	72	448	5,823	1,297	1,062	10,622	Combined.
Delaware:														Delaware:
Influenza.....	82	86	80	50	26	8	14	13	75	389	15	19	426	Influenza.
Pneumonia (all forms).....	82	86	80	50	26	8	14	13	75	834	76	91	1,443	Pneumonia (all forms).
Combined.....	164	172	160	100	52	16	28	26	150	1,223	97	110	1,869	Combined.
District of Columbia:														District of Columbia:
Influenza.....	21	11	15	10	3	.....	1	1	37	1,471	131	327	2,028	Influenza.
Pneumonia (all forms).....	149	128	180	104	61	28	24	13	81	333	68	149	1,293	Pneumonia (all forms).
Combined.....	170	139	195	114	64	28	25	19	88	1,809	199	476	3,326	Combined.

Florida: Influenza. Pneumonia (all forms). Combined.	27 170 197	18 126 144	7 74 81	7 76 83	7 65 72	3 24 27	1 32 33	4 30 34	32 86 86	2, 036 2, 075 2, 711	705 220 935	266 117 368	3, 113 1, 676 4, 788
Hawaii: Influenza. Pneumonia (all forms). Combined.	3 54 57	7 60 67	9 50 59	4 55 59	7 47 54	2 26 28	72 52 124	28 32 60	8 24 32	8 20 28	4 26 40	13 36 49	165 492 637
Illinois: Influenza. Pneumonia (all forms). Combined.	89 964 1, 053	87 855 942	91 1, 149 1, 240	164 1, 401 1, 565	74 711 785	21 -948 -269	7 182 189	8 175 183	797 456 1, 233	8, 631 5, 446 14, 077	4, 069 1, 456 5, 523	3, 841 1, 422 5, 263	17, 879 14, 445 32, 324
Indiana: Influenza. Pneumonia (all forms). Combined.	74 519 593	71 363 434	70 466 536	127 565 692	54 277 331	6 73 79	1 72 73	7 62 69	64 156 200	2, 080 1, 279 3, 358	1, 748 890 2, 628	1, 917 918 2, 835	6, 219 5, 609 11, 828
Iowa: Influenza. Pneumonia (all forms). Combined.	44 336 380	43 310 353	31 298 329	42 527 569	31 254 285	7 80 87	2 67 69	 52 52	22 89 111	1, 903 867 2, 770	1, 963 400 2, 063	2, 472 538 3, 010	6, 260 3, 818 10, 078
Kansas: Influenza. Pneumonia (all forms). Combined.	34 379 413	38 318 356	44 371 415	24 342 366	14 172 186	7 47 54	4 37 41	 40 40	8 82 90	899 2, 003 2, 902	531 945 1, 526	986 1, 316 2, 302	2, 639 6, 082 8, 691
Kentucky: Influenza. Pneumonia (all forms). Combined.	87 484 571	71 504 575	59 477 536	78 491 569	38 185 223	14 74 88	7 79 86	5 59 64	42 130 162	4, 253 948 5, 201	2, 974 1, 494 4, 468	1, 553 357 1, 940	9, 181 5, 302 14, 483
Louisiana: Influenza. Pneumonia (all forms). Combined.	96 526 622	77 444 521	33 260 293	29 267 296	30 194 224	9 95 104	8 87 95	6 79 85	22 80 102	3, 400 1, 175 4, 575	1, 591 536 2, 127	624 283 907	5, 925 4, 026 9, 951

Influenza, pneumonia (all forms), and both diseases combined—Deaths registered, 1918—Continued.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	
Maine:														
Influenza.....	10	17	27	54	24	8	5	.....	105	1,315	451	530	2,546	Influenza.
Pneumonia (all forms).....	141	133	201	233	88	59	33	18	90	526	180	270	1,972	Pneumonia (all forms).
Combined.....	151	150	228	287	112	67	38	18	195	1,841	631	800	4,518	Combined.
Maryland:														
Influenza.....	31	18	40	22	9	3	4	2	88	4,154	463	405	5,244	Influenza.
Pneumonia (lobar).....	412	436	407	316	174	83	66	38	122	3,535	353	364	6,311	Pneumonia (all forms).
Combined.....	443	454	447	338	183	86	70	40	210	7,689	836	769	11,555	Combined.
Massachusetts:														
Influenza.....	437	475	490	585	242	113	109	56	2,293	8,274	1,022	1,804	.....	Influenza.
Pneumonia (lobar).....	437	475	490	585	242	113	109	56	2,293	3,175	1,553	843	9,354	Pneumonia (lobar).
Combined.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Combined.
Michigan:														
Influenza.....	51	56	39	125	54	11	13	5	22	2,451	1,865	2,104	6,797	Influenza.
Minnesota:														
Influenza.....	200	172	210	426	193	99	67	30	45	2,054	3,166	1,384	.....	Influenza.
Pneumonia (all forms).....	200	172	210	426	193	99	67	30	72	1,183	163	130	1,955	Pneumonia (all forms).
Combined.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Combined.
Nebraska:														
Influenza.....	132	147	165	183	108	57	27	27	4	279	266	465	.....	Influenza.
Pneumonia (all forms).....	132	147	165	183	108	57	27	27	39	1,386	931	1,012	4,169	Pneumonia (all forms).
Combined.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Combined.
New Jersey:														
Influenza.....	.....	.....	.....	.....	.....	.....	.....	.....	193	8,566	1,347	557	.....	Influenza.
Pneumonia (all forms).....	.....	.....	.....	.....	.....	.....	.....	.....	239	2,899	853	793	.....	Pneumonia (all forms).
Combined.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Combined.
New York:														
Influenza.....	148	139	268	216	81	27	20	10	273	17,690	5,806	2,499	26,676	Influenza.
Pneumonia (all forms).....	2,326	2,129	3,308	2,844	1,416	713	601	437	913	13,554	4,105	2,652	35,060	Pneumonia (all forms).
Combined.....	2,474	2,268	3,576	3,060	1,497	740	621	497	1,186	31,246	9,411	5,151	61,736	Combined.

Influenza, pneumonia (all forms), and both diseases combined—Deaths registered, 1918—Continued.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	
South Dakota:														
Influenza.....	6	4	5	7	2	1	.....	.....	5	442	796	579	1,847	South Dakota:
Pneumonia (all forms).....	35	40	49	55	36	26	9	8	32	77	101	86	544	Influenza.
Combined.....	41	44	54	62	38	27	9	8	37	519	897	665	2,391	Pneumonia (all forms).
Texas:														Combined.
Influenza.....	195	192	154	106	24	27	14	4	21	4,690	3,477	2,960	11,804	Texas:
Pneumonia (all forms).....	1,204	1,202	840	680	379	139	122	87	98	1,319	948	618	7,636	Influenza.
Combined.....	1,399	1,394	994	786	403	166	136	91	119	6,009	4,425	3,568	19,480	Pneumonia (all forms).
Utah:														Combined.
Influenza.....	6	2	5	13	6	1	1	2	4	404	628	387	1,459	Utah:
Pneumonia (all forms).....	80	83	48	86	69	30	12	13	19	184	138	74	1,796	Influenza.
Combined.....	86	85	53	99	75	31	13	15	23	588	766	461	2,255	Pneumonia (all forms).
Vermont:														Combined.
Influenza.....	9	9	15	15	7	3	2	2	99	1,224	188	185	1,728	Vermont:
Pneumonia (all forms).....	67	51	63	73	35	16	19	6	5	44	24	30	433	Influenza.
Combined.....	76	60	78	88	42	19	21	8	104	1,268	182	215	2,161	Pneumonia (all forms).
Washington:														Combined.
Influenza.....	10	8	19	13	8	7	2	3	8	1,072	1,419	1,585	4,154	Washington:
Pneumonia (all forms).....	126	120	172	205	113	90	54	44	78	317	152	157	1,628	Influenza.
Combined.....	136	128	191	218	121	97	56	47	86	1,389	1,671	1,742	5,782	Pneumonia (all forms).
Wisconsin:														Combined.
Influenza.....	24	26	26	48	17	13	8	1	45	2,091	830	1,210	4,339	Wisconsin:
Pneumonia (all forms).....	304	334	325	581	341	179	115	101	106	2,553	1,440	1,772	6,129	Influenza.
Combined.....	328	360	351	629	358	192	123	102	151	2,642	2,270	2,982	10,468	Pneumonia (all forms).
Wyoming:														Combined.
Influenza.....	28	21	22	54	23	14	7	5	9	42	95	32	319	Wyoming:
Pneumonia (all forms).....	28	21	32	54	23	14	7	5	9	161	269	205	819	Influenza.
Combined.....	28	21	32	54	23	14	7	5	9	203	364	237	1,138	Pneumonia (all forms).

Influenza, pneumonia (all forms), and influenza and pneumonia combined—Deaths registered and indicated mortality rates, 1918.

State.	Esti- mated popula- tion July 1, 1918.	Influenza.		Pneumonia (all forms).		Combined.		Influenza.		Pneumonia (all forms).		Combined.	
		Total deaths regis- tered.	Deaths per 1,000 inhab- itants.	Total deaths regis- tered.	Deaths per 1,000 inhab- itants.	Total deaths regis- tered.	Deaths per 1,000 inhab- itants.	Total deaths regis- tered.	Deaths per 1,000 inhab- itants.	Total deaths regis- tered.	Deaths per 1,000 inhab- itants.	Total deaths regis- tered.	Deaths per 1,000 inhab- itants.
Alabama.....	2,335,270	5,446	2.3	5,689	2.4	11,135	4.6	.....	.....	2,873	1.4	.....	.....
Arizona.....	272,034	577	2.1	2,226	8.2	2,803	10.3	.....	.....	7,337	2.1	17,014	4.9
Arkansas.....	1,792,965	3,029	1.7	2,399	1.3	5,428	3.0	.....	.....	4,169	3.2	5,183	4.0
California.....	3,119,412	13,268	4.3	5,298	1.7	18,536	5.9	.....	.....	35,050	3.3	61,726	5.8
Connecticut.....	1,296,268	7,418	5.8	3,204	2.5	10,622	8.3	.....	.....	2,355	3.0	2,481	3.4
Delaware.....	216,941	426	2.0	1,443	6.7	1,869	8.6	.....	.....	13,042	2.5	28,030	5.3
District of Columbia.....	401,681	2,028	5.0	1,298	3.2	3,326	8.3	.....	.....	2,446	1.0	6,493	2.7
Florida.....	838,877	3,113	3.3	1,675	1.8	4,788	5.1	.....	.....	1,192	1.3	2,507	2.8
Hawaii.....	223,419	165	7.7	492	2.2	657	2.9	.....	.....	28,066	3.2	79,007	9.0
Illinois.....	6,317,734	17,879	2.8	14,445	2.3	32,324	5.0	.....	.....	3,004	2.4	8,478	6.8
Indiana.....	2,834,167	6,219	2.2	5,609	2.0	11,828	4.1	.....	.....	1,639	2.6	3,945	6.2
Iowa.....	2,224,771	6,260	2.8	3,818	1.7	10,078	4.5	.....	.....	6,697	4.0	8,377	5.0
Kansas.....	1,874,195	2,639	1.4	6,052	3.2	8,691	4.6	.....	.....	5,644	4.7	2,391	3.3
Kentucky.....	2,408,547	9,131	3.8	5,302	2.2	14,433	6.0	.....	.....	7,836	1.7	19,490	4.2
Louisiana.....	1,884,778	5,925	3.1	4,026	2.1	9,951	5.3	.....	.....	7,796	1.8	2,235	5.0
Maine.....	782,191	2,546	3.3	1,972	2.5	4,518	5.8	.....	.....	433	1.2	2,161	5.9
Maryland.....	1,364,539	5,244	3.8	6,311	4.6	11,555	8.3	.....	.....	1,628	1.0	5,782	3.5
Massachusetts.....	3,832,790	11,100	2.9	19,354	2.4	30,454	5.3	.....	.....	6,129	2.4	10,468	4.1
Michigan.....	3,133,678	6,797	2.2	.....	.....	.....	.....	.....	.....	6,819	4.3	.....	.....
Minnesota.....	2,345,287	7,182	3.1	1,955	.8	9,137	4.0	.....	.....	.....	.....	.....	.....

1 Includes lobar pneumonia only.

Cases of malaria reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	38	18	41	100	105	182	370	354	388	81	83	80	1,790	Alabama.
Arkansas.....	173	380	323	409	505	621	526	903	469	128	102	171	4,709	Arkansas.
California.....	20	11	22	26	53	76	144	92	121	83	8	4	661	California.
Colorado.....	1	1	1	1	1	1	1	1	1	1	1	1	2	Colorado.
Connecticut.....	1	1	1	1	1	1	1	1	1	1	1	1	4	Connecticut.
Florida.....	39	44	43	50	44	74	98	161	268	71	50	21	931	Florida.
Illinois.....	1	1	1	1	1	1	1	1	1	1	1	1	7	Illinois.
Kansas.....	19	80	108	162	239	348	299	276	362	106	41	16	28	Kansas.
Louisiana.....	3	2	2	0	7	29	99	82	35	8	6	10	213	Louisiana.
Maryland.....	1	1	1	1	1	1	1	1	1	1	1	1	82	Maryland.
Massachusetts.....	0	0	2	5	4	5	16	31	9	4	2	3	82	Massachusetts.
Minnesota.....	0	0	0	2	6	1	1	2	0	0	0	0	7	Minnesota.
Mississippi.....	3,682	4,959	6,094	8,707	11,477	14,103	16,214	16,712	12,172	5,998	4,295	2,743	105,783	Mississippi.
New Jersey.....	8	8	1	15	38	36	33	80	34	15	6	67	281	New Jersey.
Ohio.....	1	3	6	5	5	6	14	9	9	4	16	7	64	Ohio.
Pennsylvania.....	148	353	1	101	77	75	1	1	1	1	1	1	5	Pennsylvania.
Porto Rico.....	2	35	204	64	113	53	77	62	98	74	138	69	1,471	Porto Rico.
South Carolina.....	0	2	19	23	34	53	46	197	50	16	4	8	591	South Carolina.
Texas.....	0	2	2	23	34	53	66	92	188	45	31	9	562	Texas.
Virginia.....	163	232	270	333	367	577	690	701	415	360	184	99	4,821	Virginia.

Malaria—Cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population, July 1, 1918.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	Estimated population, July 1, 1918.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.
Alabama.....	2,395,270	1,790	0.747	376	0.157	21.0	3,832,790	82	0.021	4	0.001	4.9
Arizona.....	272,034	4,709	2.626	1	.001	.....	2,345,287	7	.003	1	.....	14.3
Arkansas.....	1,792,965	.....	.....	404	.225	8.6	2,001,466	105,783	52.853	791	.395	.7
California.....	3,119,412	681	.212	54	.017	8.2	3,448,498	.....	.....	222	.064	.....
Colorado.....	1,014,581	2	.002	.....	.....	.....	1,296,877	.....	.....	1	.001	.....
Connecticut.....	1,286,268	4	.003	3	.002	75.0	3,080,371	281	.091	12	.004	4.3
Florida.....	638,877	931	.992	217	.231	23.3	10,646,989	.....	.....	24	.002	.....
Illinois.....	6,317,734	7	.....	77	.012	.....	5,273,814	84	.016	20	.004	23.8
Indiana.....	2,854,167	.....	.....	31	.011	.....	2,377,629	.....	.....	163	.069	.....
Iowa.....	2,224,771	.....	.....	2	.001	.....	8,798,067	5	.....	12	.001	.....
Kansas.....	1,874,195	28	.015	28	.015	.....	1,217,677	1,471	.....	1,534	1.229	.....
Kentucky.....	2,408,547	.....	.....	169	.045	.....	1,637,415	.....	.....	1	.002	.....
Louisiana.....	1,884,778	2,125	1.127	510	.271	24.0	1,660,934	591	.356	289	.174	48.9
Maine.....	782,191	.....	.....	2	.003	.....	4,601,279	562	.122	435	.095	77.4
Maryland.....	1,384,539	213	.154	6	.004	2.8	2,366,192	.....	.....	1	.003	.....
.....	.....	.....	.....	.....	.....	.....	2,234,030	4,321	1.934	.....	.....	.....

Measles—Monthly averages of cases reported during the years for which data are available, 1913-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama	1915-1917—3 years	265	1,318	2,042	1,543	787	229	85	62	27	59	143	337	9,915	Alabama.
Arizona	1917—1 year	891	1,517	1,705	1,143	474	116	32	5	101	87	543	1,250	9,915	Arizona.
Arkansas	1913-1917—5 years	804	1,262	1,092	1,734	1,569	914	338	227	252	373	331	491	9,907	Arkansas.
California	1914, 1916, 1917—3 years	283	983	1,620	1,433	1,170	494	90	46	45	41	47	145	6,819	California.
Colorado	1913-1917—5 years	631	992	888	1,433	1,129	925	379	79	37	113	297	430	6,819	Colorado.
Connecticut	1913-1917—5 years	214	429	676	564	441	348	153	31	11	82	51	75	3,010	Connecticut.
District of Columbia	1913-1917—5 years	78	60	48	78	53	45	16	8	11	12	81	85	3,010	District of Columbia.
Hawaii	1913-1917—5 years	3,564	4,574	6,008	6,000	5,513	2,828	849	196	137	208	423	698	32,199	Hawaii.
Illinois	1914, 1917, 3 years	1,481	2,268	3,439	4,073	3,285	2,939	417	83	46	148	422	640	18,211	Illinois.
Indiana	1913-1917—5 years	3,377	1,193	2,632	2,965	2,388	1,760	178	43	32	72	183	287	11,002	Indiana.
Kansas	1914-1917—5 years	1,044	1,501	2,297	1,779	1,349	78	48	43	25	145	568	779	3,866	Kansas.
Louisiana	1916-1917—2 years	60	165	197	133	118	109	184	48	43	58	341	519	2,083	Louisiana.
Maine	1915-1917—3 years	638	844	1,407	1,561	1,800	1,283	496	140	96	116	379	603	9,383	Maine.
Maryland	1913, 1916, 1917—3 years	688	2,848	3,819	4,306	4,374	2,623	1,633	404	188	391	767	1,141	9,383	Maryland.
Massachusetts	1913-1917—5 years	686	934	1,389	1,504	1,801	1,126	322	100	78	276	344	517	26,822	Massachusetts.
Michigan	1913-1917—5 years	323	662	1,160	1,215	1,176	672	199	50	26	60	152	179	9,076	Michigan.
Minnesota	1914-1917—5 years	1,048	2,610	3,647	2,786	2,901	947	377	183	182	358	1,545	2,614	5,864	Minnesota.
Mississippi	1913-1917—5 years	1,443	3,391	620	488	503	208	53	24	17	53	49	121	18,008	Mississippi.
Montana	1913, 1914, 1916, 1917—4 years	80	205	333	123	78	34	23	2	2	4	29	29	8,025	Montana.
Nevada	1913-1917—5 years	4,675	5,813	8,386	9,095	11,210	8,945	3,937	1,077	521	984	1,861	3,343	60,997	Nevada.
New York	1917—1 year	131	167	251	191	224	83	27	2	22	11	8	13	60,997	New York.
North Dakota	1914-1917—4 years	2,352	3,688	5,545	6,284	5,105	2,977	1,045	227	138	294	1,081	1,081	29,379	North Dakota.
Ohio	1913, 1915, 1917—3 years	233	902	1,370	1,515	1,550	1,179	59	10	9	15	48	149	5,009	Ohio.
Oklahoma	1916-1917—2 years	309	441	442	337	229	139	61	34	23	61	74	166	2,288	Oklahoma.
Oregon	1913-1917—5 years	7,223	9,100	13,387	12,716	9,631	6,041	2,186	625	540	861	1,319	2,277	65,420	Oregon.
Pennsylvania	1917—1 year	112	92	138	387	404	335	109	148	12	5	65	39	7,001	Pennsylvania.
Porto Rico	1914, 1916, 1917—3 years	122	92	196	225	223	73	76	12	6	21	161	353	2,792	Porto Rico.
Rhode Island	1913-1917—5 years	416	523	577	439	156	24	23	21	16	29	151	353	1,223	Rhode Island.
South Carolina	1913, 1914, 1917—3 years	192	170	174	239	273	94	23	10	3	15	46	33	1,327	South Carolina.
South Dakota	1917—1 year	574	1,623	1,114	1,001	654	244	6	0	0	55	84	909	4,746	South Dakota.
Texas	1913-1915, 1917—4 years	1,888	3,175	2,205	1,001	564	244	63	22	12	30	54	78	7,011	Texas.
Utah	1914-1917—4 years	267	443	1,205	1,008	569	246	247	77	52	50	54	78	4,746	Utah.
Vermont	1914-1917—4 years	1,668	2,311	3,197	3,380	2,669	1,486	464	175	131	204	548	986	3,423	Vermont.
Virginia	1915-1917—3 years	1,080	1,267	1,445	1,341	815	569	272	88	54	54	256	454	17,749	Virginia.
Washington	1917—1 year	1,197	931	453	694	359	180	59	29	8	17	54	21	9,085	Washington.
West Virginia	1913-1917—5 years	1,822	907	1,778	1,080	1,160	914	369	81	48	311	314	515	3,922	West Virginia.
Wisconsin	1913-1917—5 years	41	71	101	61	106	83	15	4	5	5	20	77	7,689	Wisconsin.
Wyoming	1913-1917—5 years	41	71	101	61	106	83	15	4	5	5	20	77	7,689	Wyoming.

Cases of measles reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	2,337	1,451	1,194	417	149	81	41	66	229	93	51	111	6,220	Alabama.
Arizona.....	5	1,913	1,773	37	6	8	0	2	2	1	0	0	162	Arizona.
Arkansas.....	1,242	5,392	1,051	527	362	99	34	5	8	1	13	66	5,335	Arkansas.
California.....	2,568	5,392	5,288	3,641	2,999	1,474	715	219	314	494	61	29	23,194	California.
Colorado.....	491	482	498	288	181	99	16	5	6	204	89	245	2,080	Colorado.
Connecticut.....	705	601	773	851	992	550	304	110	86	16	12	10	5,450	Connecticut.
District of Columbia.....	576	1,084	2,088	2,023	865	214	79	22	16	33	64	185	7,001	District of Columbia.
Florida.....	398	1,599	2,297	1,722	1,511	70	62	111	69	33	67	171	2,187	Florida.
Illinois.....	1,150	639	1,237	1,278	1,501	641	273	121	56	141	44	113	7,575	Illinois.
Indiana.....	820	1,370	1,241	1,833	634	304	62	60	40	62	4	8	5,583	Indiana.
Iowa.....	449	218	250	118	63	30	15	5	6	2	2	4	1,198	Iowa.
Kansas.....	2,170	2,391	1,504	2,219	1,635	481	74	17	20	66	46	90	10,793	Kansas.
Louisiana.....	1,002	2,391	1,680	2,222	1,163	81	122	63	33	9	72	151	3,525	Louisiana.
Maine.....	727	217	203	65	75	74	146	25	13	52	41	4	1,647	Maine.
Maryland.....	963	1,240	2,631	3,943	3,316	1,287	554	183	95	91	163	174	14,660	Maryland.
Massachusetts.....	2,950	3,471	4,018	5,210	6,335	3,663	1,962	500	263	318	179	343	29,212	Massachusetts.
Michigan.....	675	1,018	1,018	1,263	1,047	455	282	127	69	243	106	63	5,906	Michigan.
Minnesota.....	458	549	515	415	582	707	358	59	18	19	21	26	3,727	Minnesota.
Mississippi.....	15,452	10,985	7,743	4,041	1,884	757	277	161	191	123	196	295	42,045	Mississippi.
Montana.....	134	190	195	218	287	150	36	14	24	17	2	15	1,288	Montana.
Nebraska.....	296	293	214	460	155	43	20	11	69	10	.....	17	1,584	Nebraska.
New Jersey.....	2,457	3,925	5,432	6,505	5,060	2,796	1,121	279	103	84	27	48	28,437	New Jersey.
New York.....	7,749	8,470	13,446	14,842	14,310	7,659	4,804	1,352	446	588	414	345	74,395	New York.
North Carolina.....	1,490	1,700	1,837	1,269	1,945	364	111	77	100	127	34	56	8,099	North Carolina.
North Dakota.....	30	58	87	69	84	35	27	4	100	18	1	2	615	North Dakota.
Ohio.....	1,172	1,754	2,298	2,495	2,750	1,455	728	237	234	322	168	452	14,065	Ohio.
Oregon.....	1,110	4,411	1,577	1,322	810	289	75	18	34	40	16	34	4,742	Oregon.
Pennsylvania.....	3,311	4,432	8,146	10,568	11,139	6,611	3,440	1,094	616	1,021	529	565	51,836	Pennsylvania.
Porto Rico.....	55	88	271	1,224	1,009	652	301	24	10	4	4	6	1,746	Porto Rico.
Rhode Island.....	449	754	257	1,174	70	26	26	11	11	50	24	38	3,647	Rhode Island.
South Carolina.....	108	170	140	289	283	136	79	30	13	12	10	22	2,245	South Carolina.
South Dakota.....	1,509	722	1,110	500	265	104	36	8	12	10	8	49	1,320	South Dakota.
Texas.....	436	630	1,110	759	1,171	601	184	100	92	78	27	17	4,349	Texas.
Utah.....	52	33	37	1,079	1,112	206	114	34	98	68	68	83	5,274	Utah.
Vermont.....	42	33	37	1,079	1,112	206	114	34	98	68	68	83	1,086	Vermont.
Virginia.....	2,565	3,766	4,085	4,791	2,801	807	391	283	85	96	46	219	20,546	Virginia.
Washington.....	116	276	1,038	4,991	2,668	535	276	153	102	85	12	24	6,166	Washington.
West Virginia.....	343	545	1,354	1,951	1,668	535	276	153	102	85	12	24	1,438	West Virginia.
Wisconsin.....	1,112	2,266	4,084	4,066	4,037	1,615	760	20	137	443	63	59	19,376	Wisconsin.
Wyoming.....	68	124	326	159	218	117	11	1	1	3	1	4	1,033	Wyoming.

Measles—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Average.				1918				State.
		Years.	Cases reported per annum.	Cases per 1,000 inhab-ants.	Total cases reported.	Cases per 1,000 inhab-ants.	Total deaths registered.	Deaths per 1,000 inhab-ants.	Fatalities per 100 cases.	
Alabama.....	2,385,270	1915-1917-3 years.....	6,915	3.0	6,220	2.6	470	0.196	7.6	Alabama.
Arizona.....	272,034	1917-1 year.....	7,845	4.4	5,335	3.0	37	136	22.8	Arizona.
Arkansas.....	1,792,965	1913-1917-5 years.....	6,907	3.5	23,194	7.4	336	187	6.3	Arkansas.
California.....	3,119,412	1914, 1916, 1917-3 years.....	6,319	6.6	2,080	2.1	154	.049	.7	California.
Colorado.....	1,014,581	1913-1917-5 years.....	6,518	5.3	5,450	4.2	85	.066	1.6	Colorado.
Connecticut.....	1,286,268	1913-1917-5 years.....	3,010	8.4	7,001	17.4	14	.065	.6	Connecticut.
Delaware.....	216,941	1913-1917-5 years.....	643	3.0	2,157	2.3	48	.119	.7	Delaware.
District of Columbia.....	401,681	1913-1917-5 years.....	32,199	5.3	7,575	1.2	11	.049	6.3	District of Columbia.
Florida.....	938,877	1913-1917-5 years.....	18,211	6.5	5,583	2.0	120	.054	4.5	Florida.
Hawaii.....	223,419	1914-1917-4 years.....	11,002	6.1	1,198	.5	341	.066	2.1	Hawaii.
Illinois.....	0,317,734	1913-1917-5 years.....	3,866	2.1	3,525	1.9	254	.142	2.9	Illinois.
Indiana.....	2,854,107	1914-1917-4 years.....	2,082	2.7	1,647	2.1	103	.135	7.2	Indiana.
Iowa.....	2,224,771	1913-1917-5 years.....	3,854,539	6.9	14,860	10.6	155	.112	6.3	Iowa.
Kansas.....	1,874,185	1913-1917-5 years.....	25,822	7.0	29,212	7.0	519	.135	1.1	Kansas.
Kentucky.....	2,408,547	1914-1917-4 years.....	9,078	3.0	5,906	1.9	259	.083	4.4	Kentucky.
Louisiana.....	1,884,778	1916-1917-2 years.....	5,864	2.6	3,727	1.6	38	.038	2.4	Louisiana.
Maine.....	782,191	1913-1917-5 years.....	18,008	9.3	42,045	21.0	732	.366	1.7	Maine.
Maryland.....	1,384,539	1913-1917-5 years.....	3,025	6.8	1,288	2.6	60	.017	1.7	Maryland.
Massachusetts.....	3,832,790	1913-1917-5 years.....	949	9.2	1,584	1.2	13	.010	.8	Massachusetts.
Michigan.....	3,133,678	1913-1917-5 years.....	60,697	0.0	28,437	9.3	523	.170	1.8	Michigan.
Minnesota.....	2,345,287	1914-1917-4 years.....	20,379	1.5	7,935	7.0	1,268	.121	1.7	Minnesota.
Mississippi.....	2,001,466	1913-1914, 1916, 1917-4 years.....	1,135	5.7	8,060	3.3	7	.009	1.1	Mississippi.
Missouri.....	3,448,498	1913-1917-5 years.....	5,009	2.4	6,615	.8	270	.051	1.9	Missouri.
Montana.....	2,001,466	1913-1917-5 years.....	65,420	7.6	51,836	5.3	57	.064	1.2	Montana.
Nebraska.....	3,448,498	1917-1 year.....	7,601	5.7	1,746	1.4	425	.248	24.8	Nebraska.
Nevada.....	1,296,877	1913, 1917-2 years.....	949	9.2	28,437	9.3	523	.170	1.8	Nevada.
New Jersey.....	3,080,371	1913-1917-5 years.....	60,697	0.0	7,935	7.0	1,268	.121	1.7	New Jersey.
New York.....	10,646,989	1913-1917-5 years.....	20,379	1.5	14,065	2.7	270	.051	1.9	New York.
North Carolina.....	2,488,025	1917-1 year.....	5,273,814	5.7	2,388	2.4	254	.064	1.2	North Carolina.
North Dakota.....	791,437	1913-1917-5 years.....	888,243	2.8	4,742	5.9	802	.091	1.5	North Dakota.
Ohio.....	5,273,814	1914-1917-4 years.....	65,420	7.6	51,836	5.3	57	.064	1.2	Ohio.
Oklahoma.....	2,377,629	1913-1915, 1917-3 years.....	1,247,677	5.7	1,746	1.4	425	.248	24.8	Oklahoma.
Oregon.....	888,243	1913-1917-5 years.....	65,420	7.6	51,836	5.3	57	.064	1.2	Oregon.
Pennsylvania.....	8,798,067	1916, 1917-2 years.....	65,420	7.6	51,836	5.3	57	.064	1.2	Pennsylvania.
Porto Rico.....	1,247,677	1917-1 year.....	1,746	5.7	1,746	1.4	425	.248	24.8	Porto Rico.

Rhode Island.....	637,415	1914, 1916, 1917—3 years.....	1,223	2.0	3,647	5.7	128	.201	3.5	Rhode Island.
South Carolina.....	1,660,534	1913-1917—3 years.....	2,792	1.7	2,245	1.4	81	.049	3.6	South Carolina.
South Dakota.....	735,434	1913, 1914, 1917—3 years.....	1,377	2.0	1,820	1.8	38	.045	2.5	South Dakota.
Texas.....	4,601,279	1917—1 year.....	4,746	1.1	4,356	.9	1,009	.219	23.2	Texas.
Utah.....	453,648	1913-1915, 1917—4 years.....	7,011	16.6	5,274	11.6	34	.073	.6	Utah.
Vermont.....	346,162	1914-1917—4 years.....	3,442	9.5	1,086	3.0	15	.041	1.4	Vermont.
Virginia.....	2,234,080	1914-1917—3 years.....	17,749	8.1	20,646	9.2	102	.061	2.0	Virginia.
Washington.....	1,660,578	1913-1917—3 years.....	9,036	6.1	5,166	3.1	109	.039	.5	Washington.
West Virginia.....	1,439,165	1917—1 year.....	8,922	2.8	1,438	1.0	6	.032	.6	West Virginia.
Wisconsin.....	2,533,983	1913-1917—3 years.....	7,639	3.1	19,276	7.4	109	.039	.5	Wisconsin.
Wyoming.....	190,380	do.....	539	3.1	1,033	6.4	6	.032	.6	Wyoming.

Polio-myelitis (infantile paralysis)—Monthly averages of cases reported during the years for which data are available, 1913-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1913, 1915-1917—4 years.	1	1	1	2	2	4	23	18	5	3	2	2	64	Alabama.
Arizona.....	1914, 1916-2 years.	(1)	0	0	0	0	0	(1)	(2)	1	1	0	0	8	Arizona.
Arkansas.....	191—1 year.	2	3	0	0	0	1	1	(2)	2	0	0	0	8	Arkansas.
California.....	1913-1917—5 years.	5	3	(2)	3	2	(1)	9	10	3	12	10	0	81	California.
Colorado.....	1916, 1917—2 years.	0	0	(2)	0	0	(1)	34	78	58	24	2	3	12	Colorado.
Connecticut.....	1913-1917—5 years.	1	1	1	2	(1)	0	1	15	2	(1)	(1)	(1)	211	Connecticut.
District of Columbia.....	do.	(1)	(1)	(1)	(1)	(1)	0	1	(1)	2	(1)	(1)	(1)	13	District of Columbia.
Florida.....	1913-1917—5 years.	0	(1)	0	0	0	0	0	3	1	1	0	1	10	Florida.
Idaho.....	1913—1 year.	0	0	0	0	0	3	0	3	1	1	0	1	10	Idaho.
Illinois.....	1913, 1914, 1917—3 years.	10	12	11	13	8	9	11	37	121	101	51	10	374	Illinois.
Indiana.....	1913-1917—5 years.	3	3	2	1	1	2	12	19	19	20	7	2	83	Indiana.
Iowa.....	1913, 1914, 1916, 1917—4 years.	2	2	(1)	(1)	1	2	11	31	44	13	7	2	121	Iowa.
Kansas.....	1913-1917—5 years.	2	(1)	(1)	(1)	1	2	11	11	12	13	7	2	68	Kansas.
Louisiana.....	1914-1917—4 years.	1	1	1	3	1	2	7	3	8	1	2	2	35	Louisiana.
Maine.....	1916-1917—2 years.	(1)	0	0	1	(1)	0	(1)	38	28	22	15	2	30	Maine.
Maryland.....	1913-1917—5 years.	4	1	1	2	2	2	16	35	43	44	14	2	169	Maryland.
Massachusetts.....	1913, 1916, 1917—3 years.	8	3	6	4	6	9	51	117	254	267	76	20	821	Massachusetts.
Michigan.....	1913-1917—5 years.	4	3	2	2	3	4	14	44	50	33	9	3	173	Michigan.
Minnesota.....	do.	3	2	2	7	13	7	32	77	55	29	7	3	231	Minnesota.
Mississippi.....	1914-1917—4 years.	6	9	12	(1)	(1)	(1)	19	14	9	7	3	(1)	181	Mississippi.
Montana.....	1913-1917—5 years.	(1)	0	0	0	0	2	4	(1)	9	(1)	(1)	(1)	35	Montana.
Nebraska.....	1914-1917—4 years.	0	0	0	0	0	0	0	30	0	(1)	0	0	32	Nebraska.
Nevada.....	1913, 1914, 1916, 1917—4 years.	4	2	5	3	4	5	133	430	199	68	11	3	887	Nevada.
New Jersey.....	1912, 1915—2 years.	14	9	9	12	12	35	835	1,166	491	171	41	16	2,886	New Jersey.
New York.....	1913-1917—5 years.	0	0	0	0	0	0	0	1	5	11	10	2	30	New York.
North Dakota.....	do.	0	0	0	0	0	1	0	94	9	45	18	8	357	North Dakota.
Ohio.....	1917—1 year.	8	8	5	7	7	11	47	94	94	45	18	8	20	Ohio.
Oklahoma.....	1917-1917—4 years.	1	1	2	0	1	1	0	1	0	0	0	0	13	Oklahoma.
Oregon.....	1917—1 year.	0	(1)	(1)	(1)	0	0	0	443	462	228	60	26	1,308	Oregon.
Pennsylvania.....	1913, 1915-1917—4 years.	9	7	14	8	5	11	88	443	462	228	60	26	1,308	Pennsylvania.
Rhode Island.....	1916, 1917—2 years.	0	0	0	0	0	0	1	1	1	2	2	2	9	Rhode Island.
South Carolina.....	1917—1 year.	(1)	(1)	2	0	1	1	1	15	7	3	2	2	49	South Carolina.
South Dakota.....	1913-1917—5 years.	0	(1)	(1)	(1)	1	1	(1)	(1)	4	3	(1)	(1)	21	South Dakota.
Texas.....	1913, 1917—2 years.	1	0	(1)	(1)	2	1	(1)	(1)	6	3	(1)	0	9	Texas.
Vermont.....	1913-1917—4 years.	15	15	12	17	0	11	11	45	50	85	5	3	145	Vermont.
Virginia.....	1913, 1915-1917—4 years.	15	15	12	17	0	11	11	45	50	85	5	3	145	Virginia.
West Virginia.....	1917—1 year.	89	13	7	3	1	15	35	45	50	30	21	9	271	West Virginia.
Washington.....	1913-1916—4 years.	(1)	(1)	(1)	1	0	(1)	54	72	5	16	10	6	332	Washington.
Wisconsin.....	1913-1917—5 years.	3	(1)	(1)	1	1	2	1	39	5	25	1	7	20	Wisconsin.
Wyoming.....	1916, 1917—2 years.	0	0	0	0	0	0	(1)	1	1	0	(1)	(1)	150	Wyoming.

* Less than one.

Cases of poliomyelitis (infantile paralysis) reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	2	0	1	3	2	0	0	1	2	0	2	2	15	Alabama.
Arkansas.....	0	1	1	0	0	0	1	0	0	0	0	0	6	Arkansas.
California.....	10	2	4	7	7	6	5	10	5	9	8	2	75	California.
Colorado.....	1	1	2	1	2	2	2	2	2	7	2	.....	6	Colorado.
Connecticut.....	1	1	2	1	2	2	1	14	21	0	0	.....	53	Connecticut.
District of Columbia.....	0	0	1	2	0	0	0	0	2	0	0	0	2	District of Columbia.
Florida.....	10	4	17	21	3	1	43	73	78	18	2	2	303	Florida.
Illinois.....	6	2	4	4	1	16	11	16	17	1	1	1	68	Illinois.
Iowa.....	2	2	4	1	1	5	11	36	18	29	1	1	176	Iowa.
Kansas.....	1	1	1	1	1	7	75	4	9	2	1	2	30	Kansas.
Louisiana.....	2	0	2	1	0	2	3	4	9	3	2	2	39	Louisiana.
Maine.....	0	0	0	0	0	0	5	1	1	0	0	0	5	Maine.
Maryland.....	0	0	0	1	4	12	15	16	23	12	3	1	90	Maryland.
Massachusetts.....	5	3	6	6	6	6	10	20	20	7	7	3	99	Massachusetts.
Michigan.....	2	1	3	3	3	12	12	30	26	9	.....	3	103	Michigan.
Minnesota.....	2	1	2	0	2	8	10	30	13	3	1	0	82	Minnesota.
Mississippi.....	3	3	5	3	3	3	12	2	5	6	11	3	57	Mississippi.
Montana.....	3	3	2	2	2	1	.....	.....	.....	.....	.....	.....	8	Montana.
Nebraska.....	.....	.....	2	2	.....	.....	.....	3	1	2	.....	.....	10	Nebraska.
New Jersey.....	1	4	5	5	2	2	4	9	10	2	.....	1	43	New Jersey.
New York.....	4	5	10	13	4	19	38	46	70	16	4	4	233	New York.
North Carolina.....	1	1	1	3	2	2	3	3	3	1	3	2	22	North Carolina.
North Dakota.....	1	1	.....	.....	.....	.....	7	9	.....	1	.....	.....	26	North Dakota.
Ohio.....	17	6	8	11	6	16	31	51	6	6	3	1	152	Ohio.
Oregon.....	0	0	0	0	2	0	1	0	0	0	1	0	4	Oregon.
Pennsylvania.....	3	7	11	0	0	5	40	83	100	25	5	3	302	Pennsylvania.
Rhode Island.....	0	0	1	0	0	13	0	4	7	0	0	0	12	Rhode Island.
South Carolina.....	0	0	1	0	0	0	0	4	.....	.....	.....	.....	4	South Carolina.
South Dakota.....	1	.....	.....	3	.....	2	1	1	1	15	.....	.....	24	South Dakota.
Texas.....	0	2	1	2	4	9	12	6	3	1	5	1	46	Texas.
Utah.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	Utah.
Vermont.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	6	Vermont.
Virginia.....	1	4	20	4	1	1	3	12	12	4	5	5	82	Virginia.
Washington.....	3	3	.....	.....	2	1	8	2	2	1	1	2	24	Washington.
West Virginia.....	2	1	0	0	3	.....	6	3	7	1	2	0	30	West Virginia.
Wisconsin.....	4	14	50	28	11	8	41	47	51	8	2	4	268	Wisconsin.
Wyoming.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	2	Wyoming.

Deaths registered as due to poliomyelitis (infantile paralysis), 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.	2	0	1	3	2	0	0	1	1	0	0	2	12	Alabama.
Arkansas.	3	1	2	1	0	1	3	0	1	1	0	1	14	Arkansas.
California.	5	1	1	2		3		4	2		0	3	18	California.
Connecticut.									2	1	1	1	8	Connecticut.
Florida.			1		1	9	18	21	24	10	7		144	Florida.
Illinois.	18	8	9	1	1	16	13	8	5	4		5	34	Illinois.
Indiana.	2	1	3	0	1	2	3	3	6	5		6	42	Indiana.
Iowa.	2	1	3	0	1	1	13	1	1	1	3	0	40	Iowa.
Kansas.	2	2	3	1	1	1	3	10	3	1	1	1	11	Kansas.
Kentucky.	2	1	0	1	1	1	16	1	3	1	0	0	12	Kentucky.
Louisiana.			0	1	1	1	0	1	3	1	0		17	Louisiana.
Maine.			0		1		0	1	3		2		38	Maine.
Maryland.	0	0	1	0	2	2	2	3	6	1	2	0	16	Maryland.
Massachusetts.	3	1	2	5	3	4	4	13	6	1	2	3	53	Massachusetts.
Michigan.	1	3	0	5	3	4	7	10	10	4	4	2	58	Michigan.
Minnesota.	1	2	0	1	2	1	4	10	6	3	1	1	28	Minnesota.
Missouri.	1	2	1	2	1	3	4	6	6	0	0	0	12	Missouri.
Nebraska.	0	6	3	5	1	3	4	11	9	1	2		58	Nebraska.
New Jersey.			1	1	0	1	4		0	0	0		12	New Jersey.
New York.			2	1	1	3	4	11	6	1	1		53	New York.
North Dakota.	0		5	5	2	3	4	11	9		2		8	North Dakota.
Ohio.	1	2	5	3	5	3	3	12	14	3	3	2	55	Ohio.
Oklahoma.	0	0	0	2	2	1	3	13	14	0	1	1	10	Oklahoma.
Oregon.	0	0	0	2	2	3	3	12	14	0	1	1	1	Oregon.
Pennsylvania.	3	0	5	1	4	5	10	0	0	0	10	1	90	Pennsylvania.
Rhode Island.	1	2	5	2	4	0	10	0	0	9	1		6	Rhode Island.
South Carolina.					1	5		24	18			1	9	South Carolina.
South Dakota.				1		1		1	4	1			3	South Dakota.
Texas.	3	1	5	4	0	1	5	1	1	5	3	4	35	Texas.
Utah.													1	Utah.
Vermont.									1				1	Vermont.
Washington.	0	1	0	2	1	1	0		2		1		7	Washington.
Wisconsin.	2		18	8	4	5	7	18	15	6	1	3	87	Wisconsin.
Wyoming.						1					1		1	Wyoming.

State.	Estimated population July 1, 1918.	Average.			1918				State.	
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.		Fatalities per 100 cases.
Alabama.....	2,395,270	1913: 1915-1917—4 years.....	64	0.028	15	0.006	12	0.005	80.0	Alabama.
Arizona.....	272,034	1914, 1916-2 years.....	3	.012	.....	.....	0	.....	.....	Arizona.
Arkansas.....	1,792,965	1917-1 year.....	8	.005	6	.....	14	.008	.....	Arkansas.
California.....	3,119,412	1913-1917-5 years.....	81	.028	75	.024	18	.006	24.0	California.
Colorado.....	1,014,581	1916, 1917-2 years.....	12	.012	6	.006	.....	.....	.....	Colorado.
Connecticut.....	1,286,268	1913-1917-5 years.....	211	.172	53	.041	8	.006	15.1	Connecticut.
District of Columbia.....	401,681	do.....	13	.036	2	.005	.....	.007	.....	District of Columbia.
Florida.....	938,877	.....	.....	.....	6	.....	7	.....	.....	Florida.
Hawaii.....	223,419	1913: 1915, 1917-4 years.....	3	.014	.....	.....	0	.....	.....	Hawaii.
I Idaho.....	461,766	1913-1 year.....	10	.028	.....	.....	.....	.....	.....	Idaho.
Illinois.....	6,317,734	1913, 1914, 1917-3 years.....	374	.082	303	.048	144	.023	47.5	Illinois.
Indiana.....	2,854,167	1913, 1917-5 years.....	93	.032	68	.024	34	.012	50.0	Indiana.
I Iowa.....	2,294,771	1913, 1914, 1916, 1917-4 years.....	121	.054	176	.073	42	.019	23.9	Iowa.
K Kansas.....	1,874,105	1913-1917-5 years.....	68	.033	30	.016	11	.006	36.7	Kansas.
L Kentucky.....	2,408,547	.....	.....	.....	.....	.....	40	.017	.....	Kentucky.
M Louisiana.....	1,894,776	1914-1917-4 years.....	26	.014	39	.021	12	.006	30.8	Louisiana.
N Maine.....	782,191	1916, 1917-3 years.....	80	.103	5	.....	.....	.009	.....	Maine.
Massachusetts.....	1,384,539	1913-1917-5 years.....	169	.124	90	.065	16	.012	17.8	Massachusetts.
Michigan.....	3,832,790	1913, 1916, 1917-3 years.....	821	.223	99	.026	35	.010	33.4	Michigan.
Minnesota.....	3,133,673	1913-1917-5 years.....	173	.037	103	.033	35	.018	31.7	Minnesota.
Mississippi.....	2,345,287	do.....	241	.107	82	.035	26	.011	15.8	Mississippi.
Missouri.....	2,001,466	1914-1917-4 years.....	131	.068	57	.028	9	.004	.....	Missouri.
Montana.....	3,443,498	.....	.....	.....	.....	.....	29	.008	.....	Montana.
Nebraska.....	1,486,376	1913, 1914, 1916, 1917-4 years.....	35	.078	8	.016	.....	.....	.....	Nebraska.
Nevada.....	1,296,877	.....	.....	.....	10	.008	8	.006	80.0	Nevada.
New Jersey.....	1,114,742	1913, 1915-2 years.....	3	.030	43	.014	12	.004	27.9	New Jersey.
New York.....	3,080,371	1913-1917-5 years.....	857	.297	233	.022	58	.005	24.9	New York.
North Carolina.....	10,646,989	do.....	2,896	.287	22	.009	.....	.....	.....	North Carolina.
North Dakota.....	2,485,025	.....	.....	.....	26	.033	8	.010	30.8	North Dakota.
Ohio.....	791,437	1917-1 year.....	36	.047	26	.029	.....	.010	36.2	Ohio.
Oklahoma.....	5,273,814	1914-1917-4 years.....	357	.070	132	.029	55	.010	.....	Oklahoma.
Oregon.....	2,377,629	1917-1 year.....	20	.009	4	.005	10	.004	25.0	Oregon.
Pennsylvania.....	8,883,243	1913, 1915-1917-4 years.....	15	.158	302	.034	90	.010	29.8	Pennsylvania.
.....	8,798,067	1916, 1917-2 years.....	1,368	.159	.....	.....	.....	.....	.....	.....

Poliomyelitis (infantile paralysis)—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918—Continued.

State.	Estimated population July 1, 1918.	Average.			1918				State.	
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.		Fatalities per 100 cases.
Rhode Island.	637,415	1917-1 year	9	0.014	12	0.019	6	0.009	050.0	Rhode Island.
South Carolina.	1,660,934	1914-1917-4 years	40	.025	4	.....	9	.005	.....	South Carolina.
South Dakota.	735,434	1913, 1917-2 years	21	.031	24	.....	9	.004	12.5	South Dakota.
Texas.	4,601,279	1915, 1917-2 years	9	.002	44	.010	35	.003	76.1	Texas.
Utah.	433,643	.....	.....	.....	1	.....	1	.002	.....	Utah.
Vermont.	366,132	1914-1917-4 years	145	.399	83	.037	1	.003	16.3	Vermont.
Virginia.	2,234,030	1913, 1915-1917-4 years	271	.125	92	.034	7	.004	29.2	Virginia.
Washington.	1,660,578	1913-1916-4 years	30	.014	24	.014	.....	.....	.....	Washington.
West Virginia.	439,165	1917-1 year	332	.255	30	.021	.....	.....	.....	West Virginia.
Wisconsin.	2,533,933	1913-1917-5 years	130	.053	268	.105	37	.004	32.5	Wisconsin.
Wyoming.	190,390	1916, 1917-2 years	4	.022	2	.011	1	.003	50.0	Wyoming.

Rabies in man—Cases reported and deaths registered, 1918.

State.	Estimated population July 1, 1918.	Cases.	Deaths.	State.	Estimated population July 1, 1918.	Cases.	Deaths.
Alabama.....	2,395,270	3	3	Ohio.....	5,273,814	.....	10
Illinois.....	6,317,734	1	2	Pennsylvania.....	8,795,087	.....	3
Kentucky.....	2,406,547	.....	.....	Porto Rico.....	1,247,877	.....	1
Louisiana.....	1,834,778	5	5	South Carolina.....	1,660,934	.....	2
Missouri.....	3,446,498	.....	.....	Texas.....	4,601,279	.....	6
Nebraska.....	1,296,877	.....	3	Utah.....	433,643	1	1
New Jersey.....	3,090,371	2	3	Wisconsin.....	2,533,933	.....	1

Cases of rabies in animals reported, 1918.

State.	Cases.	State.	Cases.	State.	Cases.		
Arkansas.....	30	Maryland.....	37	Mississippi.....	109	South Carolina.....	1
Connecticut.....	96	Massachusetts.....	26	Oklahoma.....	78	Virginia.....	6
District of Columbia.....	20	Minnesota.....	7	Oregon.....	11	Wisconsin.....	27
Kansas.....	9						

Cases of Rocky Mountain spotted fever reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
California.....					3								3	California.
Montana.....				1	4								5	Montana.
Oregon.....			1		1				1				3	Oregon.
Utah.....				1			2						5	Utah.
Wyoming.....					3	1							4	Wyoming.

Deaths registered as due to Rocky Mountain spotted fever, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Oregon.....					1				1				2	Oregon.
Utah.....				1	2		2						5	Utah.
Wyoming.....					1								3	Wyoming.

Rocky Mountain spotted fever—Cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	State.	Estimated population July 1, 1918.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.
California.....	3,119,412	3	0.001				Utah.....	453,648	5	0.011	5	0.011	.....
Montana.....	486,376	5	.010				Wyoming.....	190,380	4	.021	3	.015	.....
Oregon.....	888,243	3	.003	2	0.002	66.7							75.0

Scarlet fever—Monthly averages of cases reported during the years for which data are available, 1913-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1913, 1915-1917—4 years.....	48	37	57	34	31	24	28	51	89	118	99	65	681	Alabama.
Arizona.....	1914, 1916—2 years.....	8	9	11	7	5	2	6	28	11	27	35	1	46	Arizona.
Arkansas.....	1917—1 year.....	97	12	11	2	5	2	136	28	11	27	35	66	254	Arkansas.
California.....	1913-1917—5 years.....	364	332	328	287	254	182	136	121	158	323	383	66	3,177	California.
Colorado.....	1914, 1916, 1917—3 years.....	132	135	68	101	81	188	98	20	28	59	184	184	1,056	Colorado.
Connecticut.....	1913-1917—5 years.....	234	199	227	222	187	132	83	44	61	106	168	157	1,770	Connecticut.
District of Columbia.....	do.....	69	67	72	62	46	34	17	11	24	42	45	66	553	District of Columbia.
Hawaii.....	do.....	3	2	2	2	4	3	8	7	4	3	1	1	40	Hawaii.
Idaho.....	1913—1 year.....	31	23	6	18	5	21	8	7	3	3	27	53	207	Idaho.
Illinois.....	1913, 1914, 1917—3 years.....	1,980	2,329	2,329	2,453	1,524	921	488	289	388	527	642	642	14,161	Illinois.
Indiana.....	1913, 1917—5 years.....	192	164	218	142	312	185	110	99	194	327	512	532	4,427	Indiana.
Iowa.....	1913, 1914, 1916, 1917—4 years.....	156	169	144	215	166	52	53	22	57	82	107	141	1,288	Iowa.
Kansas.....	1913-1917—5 years.....	189	217	263	202	198	71	49	43	59	169	222	224	1,917	Kansas.
Louisiana.....	1914-1917—5 years.....	16	13	13	13	13	5	9	9	16	26	35	23	194	Louisiana.
Maine.....	1913-1917—5 years.....	10	13	9	14	9	5	10	20	27	14	12	31	180	Maine.
Maryland.....	1913-1917—5 years.....	291	221	221	224	164	112	74	45	81	136	185	176	1,903	Maryland.
Massachusetts.....	1913, 1916, 1917—3 years.....	860	771	872	720	664	453	227	165	239	416	570	792	6,781	Massachusetts.
Michigan.....	1913-1917—5 years.....	693	708	695	778	553	338	178	143	207	830	448	571	5,638	Michigan.
Minnesota.....	1913-1917—5 years.....	480	528	666	617	423	281	141	124	130	219	286	377	4,272	Minnesota.
Mississippi.....	do.....	17	36	47	30	28	23	18	35	56	80	61	57	438	Mississippi.
Montana.....	1914-1917—4 years.....	38	47	17	80	28	23	33	34	39	81	112	108	867	Montana.
Nebraska.....	1913, 1914, 1916, 1917—4 years.....	76	59	85	97	96	56	34	34	4	10	32	21	170	Nebraska.
Nevada.....	1913, 1915, 1917—3 years.....	23	17	20	20	13	7	9	4	4	10	33	37	4,969	Nevada.
New Jersey.....	1913-1917—5 years.....	615	580	728	648	553	437	199	114	125	244	337	379	4,969	New Jersey.
New York.....	do.....	1,746	1,833	2,280	2,314	1,942	1,249	649	352	422	691	984	1,228	15,600	New York.
North Dakota.....	1917—1 year.....	37	62	88	87	46	32	15	22	12	35	20	71	529	North Dakota.
Ohio.....	1914-1917—4 years.....	1,180	196	1,080	924	731	443	281	283	421	799	968	964	8,928	Ohio.
Oklahoma.....	1913, 1915, 1917—3 years.....	1,185	190	1,080	924	731	443	281	283	421	799	968	964	8,928	Oklahoma.
Oregon.....	1916, 1917—2 years.....	62	54	69	67	69	42	37	19	23	41	69	59	611	Oregon.
Pennsylvania.....	1914, 1917—2 years.....	1	1	0	0	0	(1)	306	289	363	649	906	825	8,260	Pennsylvania.
Porto Rico.....	1913, 1916, 1917—3 years.....	96	81	116	93	100	55	88	28	34	77	85	67	997	Porto Rico.
Rhode Island.....	1913-1917—5 years.....	19	40	40	40	12	6	11	16	55	73	43	23	263	Rhode Island.
South Carolina.....	1913, 1914, 1917—3 years.....	166	160	91	60	62	23	23	14	15	43	40	39	266	South Carolina.
South Dakota.....	1913, 1915—2 years.....	122	128	177	61	37	63	31	28	291	291	147	138	1,464	South Dakota.
Texas.....	1913-1917—5 years.....	185	176	137	113	109	65	40	23	40	90	147	138	1,242	Texas.
Utah.....	1914-1917—4 years.....	36	85	65	67	57	32	33	24	13	36	49	89	679	Utah.
Vermont.....	do.....	237	177	114	54	57	52	33	63	120	212	267	184	1,600	Vermont.
Virginia.....	1913-1917—5 years.....	93	82	85	70	35	47	33	30	39	69	93	83	786	Virginia.
Washington.....	1917—1 year.....	90	47	52	38	30	14	19	37	61	64	105	69	586	Washington.
West Virginia.....	1913-1917—5 years.....	434	416	607	494	394	252	150	98	112	203	297	347	3,786	West Virginia.
Wisconsin.....	do.....	14	21	20	20	26	7	8	8	9	16	12	22	183	Wisconsin.
Wyoming.....	do.....	14	21	20	20	26	7	8	8	9	16	12	22	183	Wyoming.

1 Less than 1.

Cases of scarlet fever reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	45	29	30	22	17	11	17	63	77	59	25	44	439	Alabama.
Arizona.....	29	15	5	8	3	3	3	3	6	2	3	1	81	Arizona.
Arkansas.....	79	67	46	19	63	6	24	19	17	9	16	24	389	Arkansas.
California.....	566	438	382	285	440	236	141	133	129	196	122	126	9,196	California.
Colorado.....	173	244	285	217	268	151	64	42	38	59	43	50	1,624	Colorado.
Connecticut.....	178	190	178	175	160	103	59	37	68	118	97	187	1,550	Connecticut.
District of Columbia.....	208	165	161	151	91	32	16	12	16	16	16	23	1,883	District of Columbia.
Florida.....	10	55	9	3	3	8	4	7	5	6	16	11	138	Florida.
Illinois.....	758	611	561	505	362	148	150	101	221	189	201	208	4,025	Illinois.
Indiana.....	684	593	557	500	291	159	89	94	156	164	163	210	3,670	Indiana.
Iowa.....	422	461	394	428	366	151	45	47	79	110	117	110	2,730	Iowa.
Kansas.....	548	464	576	533	346	152	57	47	92	134	90	79	3,118	Kansas.
Louisiana.....	32	8	13	9	9	7	5	17	9	10	10	21	150	Louisiana.
Maine.....	27	22	31	22	29	43	26	83	13	5	10	60	371	Maine.
Maryland.....	174	212	206	164	144	48	47	38	60	62	47	111	1,313	Maryland.
Massachusetts.....	609	537	540	625	487	287	200	122	177	225	287	393	4,480	Massachusetts.
Michigan.....	1,048	830	1,021	720	529	304	285	198	220	345	266	350	6,116	Michigan.
Minnesota.....	1,325	546	815	606	545	338	131	94	86	102	53	127	3,768	Minnesota.
Mississippi.....	113	23	26	26	82	23	28	22	57	50	48	55	568	Mississippi.
Montana.....	324	313	224	159	177	104	56	54	47	87	22	42	1,609	Montana.
Nebraska.....	171	217	143	192	199	52	292	26	39	33	25	40	1,429	Nebraska.
New Jersey.....	396	313	378	398	288	159	124	64	129	129	177	272	2,817	New Jersey.
New York.....	1,346	1,183	1,415	1,349	1,076	649	448	302	410	587	550	824	10,139	New York.
North Carolina.....	85	32	22	24	23	32	86	109	135	114	74	71	804	North Carolina.
North Dakota.....	129	175	134	94	61	37	14	6	10	2	12	8	689	North Dakota.
Ohio.....	1,010	1,167	954	876	701	400	263	213	367	571	332	395	7,299	Ohio.
Oregon.....	68	52	53	69	102	42	40	15	27	36	17	32	553	Oregon.
Pennsylvania.....	951	972	1,119	905	739	425	310	219	329	451	358	530	7,398	Pennsylvania.
Rhode Island.....	47	48	63	78	75	44	32	21	31	37	46	71	593	Rhode Island.
South Carolina.....	10	6	9	2	3	.....	19	9	8	15	6	4	91	South Carolina.
South Dakota.....	107	142	127	149	92	50	22	22	38	47	47	47	898	South Dakota.
Texas.....	210	166	238	196	63	33	33	34	31	29	9	13	1,045	Texas.
Utah.....	288	321	331	163	214	143	61	55	34	60	27	26	1,723	Utah.
Vermont.....	48	35	17	26	26	31	17	18	28	28	11	27	312	Vermont.
Virginia.....	102	114	82	86	66	31	15	29	31	68	49	38	707	Virginia.
Washington.....	182	343	442	384	417	363	202	150	135	144	46	68	2,876	Washington.
West Virginia.....	130	42	33	27	33	17	28	23	25	21	21	21	372	West Virginia.
Wisconsin.....	715	645	609	475	472	241	209	128	185	354	180	188	4,401	Wisconsin.
Wyoming.....	78	527	106	59	69	40	6	2	6	7	5	1	906	Wyoming.

Deaths registered as due to scarlet fever, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	2	1	0	0	1	0	1	2	2	0	3	0	12	Alabama.
Arizona.....	1	2	1	0	2	2	3	1	0	1	1	0	2	Arizona.
Arkansas.....	5	3	6	0	0	4	3	0	0	3	2	0	17	Arkansas.
California.....	5	3	11	11	4	4	1	4	3	3	3	0	64	California.
Connecticut.....	0	3	4	0	0	0	0	2	1	0	0	0	85	Connecticut.
Delaware.....	0	0	1	0	0	0	0	1	1	0	0	0	3	Delaware.
District of Columbia.....	3	3	5	5	1	1	1	1	1	1	1	1	16	District of Columbia.
Florida.....	32	19	21	22	9	8	6	4	4	10	12	7	154	Florida.
Illinois.....	25	17	18	18	10	7	7	3	3	3	3	5	117	Illinois.
Iowa.....	8	16	23	20	18	6	3	3	1	8	7	11	123	Iowa.
Kansas.....	11	11	14	15	4	5	2	0	2	4	7	2	72	Kansas.
Kentucky.....	5	2	2	6	5	2	0	3	0	3	0	0	43	Kentucky.
Louisiana.....	2	0	0	0	0	0	1	0	0	0	0	0	3	Louisiana.
Maine.....	2	3	1	1	2	1	1	0	0	4	0	1	13	Maine.
Maryland.....	2	1	5	2	5	2	1	0	0	4	0	1	23	Maryland.
Massachusetts.....	14	9	10	9	4	4	3	3	4	7	8	4	70	Massachusetts.
Michigan.....	24	27	14	31	25	10	6	5	3	7	5	6	168	Michigan.
Minnesota.....	13	17	26	28	33	7	10	3	2	2	0	11	187	Minnesota.
Nebraska.....	2	6	8	8	8	0	4	3	2	0	0	0	40	Nebraska.
New Jersey.....	5	6	6	10	4	5	3	1	7	20	8	1	87	New Jersey.
New York.....	50	34	37	39	35	26	18	7	7	1	11	18	300	New York.
North Dakota.....	3	3	4	4	2	1	0	1	1	0	1	1	19	North Dakota.
Ohio.....	13	15	28	16	16	7	8	4	1	25	10	17	170	Ohio.
Oklahoma.....	2	4	1	1	3	1	0	1	1	1	0	1	16	Oklahoma.
Oregon.....	3	3	2	2	1	2	0	3	0	23	15	16	174	Oregon.
Pennsylvania.....	18	23	18	27	18	3	7	3	3	2	2	2	1	Pennsylvania.
Porto Rico.....	4	2	4	1	4	4	4	1	1	2	0	0	28	Porto Rico.
Rhode Island.....	3	4	1	4	2	1	1	1	1	0	1	0	16	Rhode Island.
South Carolina.....	3	4	3	6	4	4	1	1	1	1	1	2	3	South Carolina.
South Dakota.....	7	3	4	4	3	0	1	1	1	1	1	1	25	South Dakota.
Texas.....	4	6	4	4	3	4	3	2	4	1	1	2	47	Texas.
Utah.....	1	1	1	1	1	1	1	1	1	1	2	1	10	Utah.
Vermont.....	1	4	4	1	3	1	2	3	1	1	0	0	28	Vermont.
Washington.....	1	1	1	1	1	1	1	1	1	1	1	1	71	Washington.
Wisconsin.....	23	22	24	26	24	7	10	6	11	12	5	10	179	Wisconsin.

State.	Estimated population July 1, 1918.	Average.			1918				State.
		Years.	Cases reported annuum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.		Fatalities per 100 cases.
Alabama.....	2,395,270	1913, 1915-1917-4 years.....	681	0.3	439	0.2	12	0.005	2.7
Arizona.....	1,272,034	1914, 1916-2 years.....	106	.2	81	.3	2	.007	2.5
Arkansas.....	1,762,965	1917-1 year.....	254	.1	349	.2	17	.009	4.7
California.....	3,119,412	1913-1917-5 years.....	3,147	1.1	3,186	1.0	54	.017	1.7
Colorado.....	1,014,581	1914, 1916, 1917-3 years.....	659	1.4	1,624	1.6	33	.027	2.3
Connecticut.....	1,286,268	1913-1917-5 years.....	1,770	1.0	1,850	1.2	33	.040	2.3
Delaware.....	216,941	1913-1917-5 years.....	585	1.5	833	2.2	16	.014	1.8
District of Columbia.....	401,681	1913-1917-5 years.....	585	1.5	833	2.2	16	.014	1.8
Florida.....	938,877	1913-1917-5 years.....	46	.2	138	.1	5	.005	3.6
Hawaii.....	223,419	1913-1917-5 years.....	46	.2	138	.1	5	.005	3.6
Idaho.....	461,766	1913-1 year.....	307	.5	4,028	.6	154	.024	3.8
Illinois.....	6,317,734	1913, 1914, 1917-3 years.....	14,161	2.3	3,670	1.3	117	.041	4.2
Indiana.....	2,854,167	1913-1917-5 years.....	4,437	1.6	2,730	1.2	123	.038	3.5
Iowa.....	2,224,771	1913, 1914, 1916, 1917-4 years.....	1,268	1.1	3,118	1.7	72	.038	2.3
Kansas.....	1,874,195	1913-1917-5 years.....	1,917	1.1	3,118	1.7	72	.038	2.3
Kentucky.....	2,408,547	1913-1917-5 years.....	433	.3	583	.3	7	.020	1.2
Louisiana.....	1,884,778	1914-1917-4 years.....	194	.1	150	.1	3	.002	2.0
Maine.....	782,191	1916, 1917-3 years.....	180	.2	371	.5	13	.017	3.5
Maryland.....	1,384,539	1915-1917-3 years.....	1,908	1.4	1,213	.9	23	.017	1.8
Massachusetts.....	2,832,780	1913, 1916, 1917-3 years.....	6,761	1.6	4,460	1.2	76	.020	1.7
Michigan.....	3,133,678	1913-1917-5 years.....	5,658	1.9	6,116	2.0	187	.054	2.7
Minnesota.....	2,345,267	do.....	4,272	1.9	3,793	1.6	153	.067	4.2
Mississippi.....	2,001,466	1914-1917-4 years.....	488	.3	583	.3	7	.003	1.2
Missouri.....	3,448,498	1913, 1914, 1916, 1917-4 years.....	867	1.9	1,609	3.3	70	.020	1.2
Montana.....	1,486,376	1913, 1915, 1917-3 years.....	170	.7	1,429	1.1	40	.031	2.8
Nebraska.....	1,296,577	1913, 1917-5 years.....	4,969	1.7	2,817	.9	57	.019	2.0
Nevada.....	10,646,989	do.....	16,600	1.5	10,139	1.0	300	.028	3.0
New Jersey.....	3,080,371	1913-1917-5 years.....	16,600	1.5	10,139	1.0	300	.028	3.0
New York.....	10,646,989	do.....	16,600	1.5	10,139	1.0	300	.028	3.0
North Carolina.....	2,468,025	1917-1 year.....	529	.7	689	.9	19	.024	2.8
North Dakota.....	791,437	1914-1917-4 years.....	8,928	1.7	7,299	1.4	170	.032	2.3
Ohio.....	5,273,814	1913, 1915, 1917-3 years.....	1,516	.8	553	.6	15	.007	2.7
Oklahoma.....	2,377,629	1913, 1915, 1917-3 years.....	1,516	.8	553	.6	15	.007	2.7
Oregon.....	888,243	1913-1917-5 years.....	811	.8	553	.6	15	.007	2.7
Pennsylvania.....	8,798,067	1916, 1917-2 years.....	8,260	1.0	7,308	.8	174	.020	2.4

State.	Estimated population July 1, 1918.	Average.			1918				State.	
		Years.	Cases re-ported per annum.	Cases per 1,000 in-habitants.	Total cases re-ported.	Cases per 1,000 in-habitants.	Total deaths regis-tered.	Deaths per 1,000 in-habit-ants.		Fatalities per 100 cases.
Alabama.....	2,395,270	1913, 1915-1917-4 years.	681	0.3	439	0.2	12	0.005	2.7	Alabama.
Arizona.....	1,272,034	1914, 1916-2 years.	106	.2	81	.3	2	.007	2.5	Arizona.
Arkansas.....	1,762,965	1917-1 year.	254	.1	349	.2	17	.009	4.7	Arkansas.
California.....	3,119,412	1913-1917-5 years.	3,147	1.1	3,186	1.0	54	.017	1.7	California.
Colorado.....	1,014,581	1914, 1916, 1917-3 years.	659	1.4	1,624	1.6	33	.027	2.3	Colorado.
Connecticut.....	1,286,268	1913-1917-5 years.	1,770	1.0	1,850	1.2	33	.040	2.3	Connecticut.
Delaware.....	216,941	1913-1917-5 years.	585	1.5	833	2.2	3	.014	1.8	Delaware.
District of Columbia.....	401,681	1913-1917-5 years.	585	1.5	833	2.2	16	.040	1.8	District of Columbia.
Florida.....	938,877	1913-1917-5 years.	46	.2	138	.1	5	.005	3.6	Florida.
Hawaii.....	223,419	1913-1917-5 years.	46	.2	138	.1	0			Hawaii.
Idaho.....	461,766	1913-1 year.	207	.5						Idaho.
Illinois.....	6,317,734	1913, 1914, 1917-3 years.	14,161	2.3	4,028	.6	154	.024	3.8	Illinois.
Indiana.....	2,854,167	1913-1917-5 years.	4,427	1.6	3,670	1.3	117	.041	3.5	Indiana.
Iowa.....	2,224,771	1913, 1914, 1916, 1917-4 years	1,268	1.6	2,730	1.2	123	.055	4.2	Iowa.
Kansas.....	1,874,195	1913-1917-5 years.	1,917	1.1	3,118	1.7	72	.038	2.3	Kansas.
Kentucky.....	2,408,547	1913-1917-5 years.	433	1.1			43	.018		Kentucky.
Louisiana.....	1,884,778	1914-1917-4 years.	194	.3	150	.1	3	.002	2.0	Louisiana.
Maine.....	782,191	1916, 1917-3 years.	180	1.2	371	.5	13	.017	3.5	Maine.
Maryland.....	1,384,539	1915-1917-3 years.	1,908	1.4	1,213	.9	23	.017	1.8	Maryland.
Massachusetts.....	2,832,780	1913, 1916, 1917-3 years.	6,761	1.6	4,460	1.2	76	.020	1.7	Massachusetts.
Michigan.....	3,133,678	1913-1917-5 years.	5,658	1.9	6,116	2.0	187	.054	2.7	Michigan.
Minnesota.....	2,345,267	do.	4,272	1.9	3,793	1.6	153	.067	4.2	Minnesota.
Mississippi.....	2,001,466	1914-1917-4 years.	488	1.3	583	.3	7	.003	1.2	Mississippi.
Missouri.....	3,448,498	1913, 1914, 1916, 1917-4 years.	867	1.9	1,609	3.3	70	.020		Missouri.
Montana.....	1,486,376	1913, 1915, 1917-3 years.	170	1.7	1,429	1.1	40	.031	2.8	Montana.
Nevada.....	1,296,577	1913, 1917-3 years.	4,969	1.7	2,817	.9	57	.019	2.0	Nevada.
New Jersey.....	3,080,371	1913-1917-5 years.	16,600	1.5	10,139	1.0	300	.028	3.0	New Jersey.
New York.....	10,646,989	do.								New York.
North Carolina.....	2,468,025	1917-1 year.	529	.7	869	.9	19	.024	2.8	North Carolina.
Ohio.....	7,791,437	1914-1917-4 years.	8,928	1.7	7,299	1.4	170	.032	2.3	Ohio.
Oklahoma.....	2,373,814	1913, 1915, 1917-3 years.	1,516	.7			16	.017		Oklahoma.
Oregon.....	2,377,629	1913-1917-5 years.	888,243	1.8	553	.6	15	.007	2.7	Oregon.
Pennsylvania.....	8,798,067	1916, 1917-2 years.	8,260	1.0	7,308	.8	174	.020	2.4	Pennsylvania.

Scarlet fever—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918—Continued.

State.	Estimated population July 1, 1918.	Average.		Cases reported per annum.	Cases per 1,000 inhabitants.	1918					State.
		Years.				Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
Porto Rico.....	1,247,677	1914, 1917—2 years.....		2	1.4	593	0.9	1	0.001	.....	Porto Rico.
Rhode Island.....	1,637,415	1914, 1916, 1917—3 years.....		897	1.4	593	0.9	28	.044	4.7	Rhode Island.
South Carolina.....	1,660,934	1913-1917—5 years.....		268	.8	91	.....	3	.002	3.3	South Carolina.
South Dakota.....	735,434	1913, 1914, 1917—3 years.....		566	.3	898	1.2	25	.033	2.8	South Dakota.
Texas.....	4,601,270	1915, 1917—2 years.....		1,464	2.9	3,104	3.8	28	.006	2.7	Texas.
Texas.....	4,601,270	1915, 1917—2 years.....		1,464	2.9	3,104	3.8	28	.006	2.7	Texas.
Utah.....	453,648	1913-1915, 1917—4 years.....		1,242	1.6	1,723	.9	47	.104	1.7	Utah.
Vermont.....	366,192	1914-1917—4 years.....		579	1.6	312	.....	10	.027	3.2	Vermont.
Virginia.....	2,234,030	do.....		1,900	.7	707	1.7	71	.043	2.5	Virginia.
Washington.....	1,660,578	1913-1917—5 years.....		786	.5	2,876	1.7	71	.043	2.5	Washington.
West Virginia.....	1,439,165	1917—1 year.....		586	1.5	4,372	1.7	179	.07	4.1	West Virginia.
Wisconsin.....	2,553,983	1913-1917—5 years.....		3,786	1.5	4,401	1.7	179	.07	4.1	Wisconsin.
Wyoming.....	190,380	do.....		183	1.1	906	4.8	.....	.....	.....	Wyoming.

Cases of septic sore throat reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Connecticut.....	6	6	1	2	86	1	.....	1	1	1	2	6	113	Connecticut.
Illinois.....	9	6	10	5	3	6	2	2	1	10	4	10	72	Illinois.
Kansas.....	2	.....	5	1	1	3	.....	2	6	3	8	6	32	Kansas.
Louisiana.....	0	0	0	0	0	2	0	0	1	0	0	0	3	Louisiana.
Maryland.....	9	1	1	2	0	1	3	0	1	1	1	3	22	Maryland.
Massachusetts.....	16	12	13	19	10	12	3	2	2	4	4	10	107	Massachusetts.
Minnesota.....	0	0	0	0	0	0	0	1	0	0	0	0	1	Minnesota.
Nebraska.....	.....	.....	4	5	2	1	.....	.....	.....	.....	.....	.....	12	Nebraska.
New York.....	28	20	6	14	21	4	10	0	3	6	9	20	141	New York.
North Carolina.....	.....	.....	.....	.....	5	7	3	14	33	23	12	22	124	North Carolina.
Ohio.....	0	1	0	3	1	2	0	0	2	1	1	1	2	Ohio.
Rhode Island.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	Rhode Island.
South Carolina.....	.....	22	.....	10	35	23	1	22	1	13	2	11	140	South Carolina.

Deaths registered as due to septic sore throat, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Connecticut.....			1		1					1			4	Connecticut.
Illinois.....	7	6	12	4	5	4	3	5	10	9	3	1	7	Illinois.
Iowa.....	2	3	5	5	5	7	3	6	3	3	1	6	44	Iowa.
Kansas.....	1	2	4	3	5	0	0	2	0	0	3	2	22	Kansas.
Louisiana.....	0	1	3	2	5	3	3	4	0	0	2	3	23	Louisiana.
Maryland.....	0	0	1	2	3	3	0	0	4	3	1	1	25	Maryland.
Massachusetts.....	5	2	5	3	3	3	0	0	7	6	1	1	5	Massachusetts.
Nebraska.....	2	2	2	0	0	2	2	1	1	0	0	1	23	Nebraska.
New York.....	3	1		1	0	2	0	1	1	6	1		10	New York.
North Dakota.....			1			2	2						9	North Dakota.
Ohio.....	15	5	12	8	9	8	14	5	10	5	15	5	111	Ohio.
Rhode Island.....				1	1	1			1			1	6	Rhode Island.
South Carolina.....	1	1		1	1	1			1				2	South Carolina.

Septic sore throat—Cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Total cases reported.	Cases per inhabitant.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.
Connecticut.....	1,286,263	113	0.088	4	0.003	3.5
Illinois.....	6,317,734	72	.....	75	0.012	.....
Iowa.....	2,224,771	.....	.....	44	0.020	.....
Kansas.....	1,874,195	32	0.017	22	0.012	68.8
Louisiana.....	1,864,778	3	.....	25	0.013	.....
Maryland.....	1,364,539	22	0.016	5	0.004	22.7
Massachusetts.....	3,832,780	107	0.028	26	0.007	24.3
Minnesota.....	2,345,287	1	.....	0	.....	.....
Nebraska.....	1,266,877	12	.....	10	0.008	83.3
New York.....	10,646,989	141	0.013	9	0.001	6.4
North Carolina.....	2,468,025	124	0.050	.....	.....	.....
North Dakota.....	791,437	.....	.....	2	0.003	.....
Oaio.....	5,273,814	2	.....	111	0.021	.....
Rhode Island.....	637,115	.....	.....	6	0.009	60.0
South Carolina.....	1,660,334	140	0.084	2	0.001	1.4

Smallpox—Monthly averages of cases reported during the years for which data are available, 1915-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1913, 1915-1917—4 years.....	98	93	86	77	65	52	25	16	6	21	24	61	624	Alabama.
Arkansas.....	1917—1 year.....	156	232	571	251	245	91	28	21	13	44	93	272	2,016	Arkansas.
California.....	1913-1917—5 years.....	68	74	64	65	64	29	19	20	13	16	23	31	475	California.
Colorado.....	1913, 1914, 1916, 1917—4 years.....	23	25	20	19	31	27	22	3	9	23	15	27	289	Colorado.
Connecticut.....	1913-1917—5 years.....	20	20	25	11	15	15	3	1	3	23	15	3	181	Connecticut.
District of Columbia.....	do.....	9	5	13	2	13	10	3	1	1	1	1	3	64	District of Columbia.
Florida.....	1913—1 year.....	246	211	217	113	94	88	71	29	8	54	17	13	1,166	Florida.
Idaho.....	do.....	73	96	27	42	8	139	23	17	30	6	32	116	1,609	Idaho.
Illinois.....	1913, 1914, 1917—3 years.....	438	520	580	434	472	255	184	73	81	184	247	348	3,819	Illinois.
Indiana.....	1913-1917—5 years.....	261	397	469	390	366	273	133	99	69	117	309	379	3,271	Indiana.
Iowa.....	1913, 1914, 1916, 1917—4 years.....	308	280	364	299	257	144	72	16	25	65	148	244	2,223	Iowa.
Kansas.....	1913-1917—5 years.....	174	212	306	263	234	168	67	22	27	74	202	250	1,999	Kansas.
Louisiana.....	1914-1917—4 years.....	108	94	89	94	55	22	23	9	5	16	40	92	1,647	Louisiana.
Maine.....	1917—1 year.....	0	0	0	5	12	44	52	12	7	41	228	196	600	Maine.
Maryland.....	1915-1917—3 years.....	9	7	4	18	16	3	4	0	0	0	8	18	87	Maryland.
Massachusetts.....	1913, 1916, 1917—3 years.....	4	3	11	11	13	21	2	2	3	4	7	4	85	Massachusetts.
Michigan.....	1913-1917—5 years.....	188	154	171	173	155	134	91	37	36	108	204	274	1,725	Michigan.
Minnesota.....	do.....	292	273	271	244	188	145	96	44	37	95	130	267	2,082	Minnesota.
Mississippi.....	1914-1917—4 years.....	216	222	273	243	163	92	43	41	50	61	83	204	2,041	Mississippi.
Montana.....	1913, 1914, 1916, 1917—4 years.....	130	111	93	95	81	85	57	35	32	47	109	116	1,991	Montana.
Nevada.....	1913, 1915, 1917—3 years.....	35	15	9	13	33	11	1	1	0	(1)	1	2	122	Nevada.
New Jersey.....	1913-1917—5 years.....	7	3	14	17	3	4	0	(1)	0	(1)	1	1	51	New Jersey.
New York.....	do.....	87	74	34	42	36	24	19	9	26	28	28	41	427	New York.
North Dakota.....	1913-1917—2 years.....	22	30	49	76	27	44	30	10	18	49	38	87	480	North Dakota.
Ohio.....	1913-1917—5 years.....	381	339	383	373	344	301	181	90	75	222	370	488	3,547	Ohio.
Oklahoma.....	1913, 1915, 1917—3 years.....	483	369	480	359	277	197	118	66	67	101	141	425	3,670	Oklahoma.
Oregon.....	1913-1917—5 years.....	168	68	59	57	41	35	27	14	7	10	47	26	460	Oregon.
Pennsylvania.....	1916-1917—2 years.....	11	8	20	20	35	22	18	7	3	11	34	34	238	Pennsylvania.
Porto Rico.....	1917—1 year.....	1	1	13	40	8	1	4	0	3	1	3	3	85	Porto Rico.
South Carolina.....	1913-1917—5 years.....	63	43	58	69	38	32	15	0	3	11	15	23	383	South Carolina.
South Dakota.....	1913, 1914, 1917—3 years.....	117	141	176	136	102	78	42	24	20	31	64	103	1,081	South Dakota.
Texas.....	1913, 1915, 1917—3 years.....	224	232	302	247	164	104	63	31	21	32	108	190	1,713	Texas.
Utah.....	1912-1915, 1917—4 years.....	293	192	194	124	106	70	56	34	50	62	87	99	1,234	Utah.
Vermont.....	1913-1917—5 years.....	19	13	10	17	20	16	12	0	1	3	3	6	113	Vermont.
Virginia.....	do.....	249	210	212	182	136	84	57	27	22	39	53	98	1,379	Virginia.
Washington.....	do.....	107	76	97	86	70	70	35	21	22	30	50	50	730	Washington.
West Virginia.....	1917—1 year.....	5	7	8	40	21	30	25	21	20	36	66	96	143	West Virginia.
Wisconsin.....	1913-1917—5 years.....	285	217	211	297	153	107	78	62	35	93	151	257	1,868	Wisconsin.
Wyoming.....	do.....	8	17	8	2	9	7	10	7	2	4	4	3	81	Wyoming.

¹ Less than one.

Cases of smallpox reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	537	1,000	761	408	255	132	85	75	45	31	22	206	3,647	Alabama.
Arizona.....	12	5	66	34	56	17	4	3	1	1	1	0	200	Arizona.
Arkansas.....	762	738	212	457	200	62	101	10	6	14	12	16	2,590	Arkansas.
California.....	42	89	111	81	172	97	97	45	52	119	97	67	1,069	California.
Colorado.....	175	176	250	239	266	133	92	43	52	68	89	102	1,680	Colorado.
Connecticut.....	3	2	21	12	12	8	32	1	9	3	4	0	94	Connecticut.
District of Columbia.....	7	2	10	3	17	4	6	5	19	3	1	0	74	District of Columbia.
Florida.....	6	11	10	3	5	8	6	3	13	3	1	2	59	Florida.
Illinois.....	742	744	645	557	571	189	103	73	26	42	36	114	3,842	Illinois.
Indiana.....	1,003	1,125	1,027	804	585	314	156	86	30	126	191	132	5,592	Indiana.
Iowa.....	650	560	559	399	220	121	54	54	47	79	109	48	3,807	Iowa.
Kansas.....	984	1,419	1,640	1,132	1,077	435	114	89	26	80	48	67	7,130	Kansas.
Louisiana.....	73	158	153	142	136	111	26	30	5	34	12	70	950	Louisiana.
Maine.....	92	103	124	29	22	102	50	15	2	19	10	20	535	Maine.
Maryland.....	16	12	10	8	19	12	0	12	13	9	15	7	219	Maryland.
Massachusetts.....	3	2	10	2	3	1	1	1	13	2	1	3	27	Massachusetts.
Michigan.....	1,083	921	689	441	421	247	119	92	87	137	111	69	4,417	Michigan.
Minnesota.....	210	265	355	304	217	213	107	44	52	68	207	180	2,252	Minnesota.
Mississippi.....	631	690	622	662	419	180	90	41	87	58	114	63	3,601	Mississippi.
Montana.....	246	172	157	118	137	103	54	17	28	50	50	14	1,104	Montana.
Nebraska.....	451	567	606	640	545	232	139	40	269	152	78	96	3,906	Nebraska.
New Jersey.....	1	3	32	0	0	15	7	2	0	0	0	3	65	New Jersey.
New York.....	140	68	52	62	95	35	33	25	6	7	5	5	535	New York.
North Carolina.....	45	159	147	105	80	48	68	40	34	34	4	98	899	North Carolina.
North Dakota.....	57	52	72	51	31	47	11	3	9	2	8	2	345	North Dakota.
Ohio.....	2,098	1,642	1,672	1,276	1,244	626	419	198	121	226	460	269	10,277	Ohio.
Oregon.....	20	25	32	25	55	52	53	28	49	33	61	47	493	Oregon.
Pennsylvania.....	86	111	89	101	95	52	51	14	3	3	5	2	612	Pennsylvania.
Rhode Island.....	12	1	6	1	2	0	1	1	0	0	0	0	27	Rhode Island.
South Carolina.....	0	0	12	8	28	0	10	4	5	84	0	8	214	South Carolina.
South Dakota.....	124	131	113	138	151	151	77	18	16	48	26	67	1,050	South Dakota.
Texas.....	431	875	948	556	739	280	101	67	126	33	50	152	4,338	Texas.
Utah.....	377	312	263	263	222	234	130	124	107	126	91	96	2,263	Utah.
Vermont.....	5	17	6	19	8	5	5	0	0	0	0	1	55	Vermont.
Virginia.....	144	172	209	248	208	120	73	31	30	88	76	99	1,605	Virginia.
Washington.....	112	62	198	160	171	160	137	113	110	116	122	154	1,676	Washington.
West Virginia.....	220	301	183	218	145	163	35	22	24	16	24	14	1,266	West Virginia.
Wisconsin.....	459	334	313	369	294	240	169	63	63	163	69	70	2,592	Wisconsin.
Wyoming.....	6	40	53	36	51	20	8	9	19	36	17	11	312	Wyoming.

Deaths registered as due to smallpox, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	2	4	5	1	1	2	0	0	0	0	1	0	16	Alabama.
Arizona.....	2	0	1	1	1	1	0	0	0	1	1	0	21	Arizona.
Arkansas.....	0	2	2	5	3	1	1	1	0	1	1	0	3	Arkansas.
California.....	1	2	1	1	1	1	1	1	1	1	1	1	3	California.
Illinois.....	4	4	4	3	3	1	3	1	1	1	2	2	24	Illinois.
Indiana.....	3	7	2	1	1	1	1	1	0	1	1	1	10	Indiana.
Iowa.....	2	3	1	2	0	1	0	0	0	1	1	2	26	Iowa.
Kansas.....	3	4	7	8	3	0	0	0	0	0	0	1	8	Kansas.
Kentucky.....	2	4	0	0	1	1	0	0	0	0	0	0	8	Kentucky.
Louisiana.....	2	4	0	1	0	1	1	0	0	2	1	8	16	Louisiana.
Michigan.....	2	4	2	2	1	1	1	0	0	0	1	0	11	Michigan.
Minnesota.....	0	4	0	0	3	1	1	0	0	0	1	0	6	Minnesota.
Nebraska.....	0	1	1	0	1	0	1	0	0	0	1	0	4	Nebraska.
New York.....	1	1	2	0	1	0	1	1	0	0	1	0	1	New York.
North Dakota.....	1	1	1	1	1	0	1	1	0	0	1	0	1	North Dakota.
Ohio.....	5	4	2	1	2	3	4	1	0	0	1	0	22	Ohio.
Oklahoma.....	2	4	6	5	6	2	0	1	0	0	0	0	26	Oklahoma.
Pennsylvania.....	1	1	1	1	1	1	1	1	1	1	1	1	2	Pennsylvania.
Rhode Island.....	1	1	1	1	1	1	1	1	1	1	1	1	1	Rhode Island.
South Dakota.....	1	1	1	1	1	1	1	1	1	1	1	1	5	South Dakota.
Texas.....	25	22	11	6	9	11	3	3	8	11	8	7	124	Texas.
Utah.....	1	3	3	1	1	2	2	1	1	2	1	1	10	Utah.
Washington.....	1	1	1	1	1	1	1	1	1	1	1	2	4	Washington.
Wisconsin.....	1	1	1	2	2	1	1	1	1	1	1	1	7	Wisconsin.
Wyoming.....	1	1	1	2	2	1	1	1	1	1	1	1	6	Wyoming.

Smallpox—Average number of cases reported per annum and average indicated morbidity rates, 1913–1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Average.			1918.			State.
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	
Alabama.....	2,395,270	1913, 1915–1917—4 years.....	624	0.27	3,647	1.52	16	Alabama.
Arizona.....	272,084	1917—1 year.....	2,016	1.14	2,200	.74	3	Arizona.
Arkansas.....	1,792,965	1913–1917—5 years.....	475	.17	2,590	1.44	21	Arkansas.
California.....	3,119,412	1913–1917—5 years.....	289	.31	1,069	.34	3	California.
Colorado.....	1,014,581	1913, 1914, 1916, 1917—4 years.....	181	.15	1,680	1.66	3	Colorado.
Connecticut.....	1,286,263	1913–1917—5 years.....	181	.15	1,994	.07	3	Connecticut.

Tuberculosis (pulmonary)—Monthly averages of cases reported during the years for which data are available, 1916-17.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1916, 1917-2 years.....	244	260	304	319	275	268	288	253	207	218	176	207	2,989	Alabama.
Arizona.....	1916-1 year.....	2	30	30	0	0	0	0	4	0	1	0	0	19	Arizona.
Connecticut.....	do.....	162	177	186	183	197	170	165	168	152	161	142	159	2,016	Connecticut.
Hawaii.....	1916, 1917-2 years.....	86	98	78	65	71	73	61	63	57	74	65	88	879	Hawaii.
Illinois.....	1916-1 year.....	59	1,235	1,204	973	834	1,080	1,306	1,237	1,230	444	1,552	1,538	12,710	Illinois.
Indiana.....	1916, 1917-2 years.....	247	283	301	276	273	274	251	225	213	195	190	179	2,861	Indiana.
Louisiana.....	1916-1 year.....	150	157	176	164	172	205	133	196	147	164	126	139	1,989	Louisiana.
Maryland.....	1916, 1917-2 years.....	266	259	289	272	346	262	323	299	262	224	209	235	3,246	Maryland.
Massachusetts.....	do.....	689	668	700	686	711	713	776	658	628	608	661	663	8,121	Massachusetts.
Minnesota.....	do.....	373	356	400	413	442	412	344	369	372	368	292	336	4,479	Minnesota.
Montana.....	do.....	24	34	42	29	27	19	14	21	31	28	21	12	267	Montana.
Nevada.....	1917-1 year.....	4	2	8	6	5	5	5	4	3	5	4	5	64	Nevada.
New York.....	1916, 1917-2 years.....	2,641	2,413	2,956	2,464	2,506	2,637	2,353	2,561	2,087	2,291	2,171	1,986	28,976	New York.
North Dakota.....	1917-1 year.....	5	13	8	7	20	21	36	17	11	16	11	19	174	North Dakota.
Oregon.....	1916-1 year.....	49	44	48	48	27	26	30	30	20	31	32	31	425	Oregon.
Rhode Island.....	1916, 1917-2 years.....	65	63	85	90	83	92	78	62	66	58	53	58	853	Rhode Island.
South Carolina.....	1917-1 year.....	40	28	28	17	24	27	30	30	12	17	19	19	267	South Carolina.
South Dakota.....	do.....	13	5	6	10	35	14	30	12	7	9	7	4	146	South Dakota.
Utah.....	do.....	5	6	5	6	7	4	3	3	4	7	2	5	60	Utah.
Vermont.....	1916, 1917-2 years.....	18	11	17	17	38	36	28	26	16	14	21	49	291	Vermont.
Washington.....	do.....	112	91	113	126	83	102	82	73	95	74	82	94	1,127	Washington.
West Virginia.....	1917-1 year.....	34	24	40	27	34	35	10	32	25	28	36	43	368	West Virginia.

Cases of tuberculosis (pulmonary) reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	227	258	233	283	268	245	218	212	192	188	169	195	2,688	Alabama.
District of Columbia.....	10	87	81	114	122	91	110	90	90	76	90	88	1,132	District of Columbia.
Indiana.....	301	140	425	326	300	364	316	271	237	147	141	208	3,976	Indiana.
Maryland.....	239	276	419	400	337	289	343	391	302	198	491	173	3,858	Maryland.
Massachusetts.....	637	677	814	779	886	764	611	606	570	441	583	628	7,641	Massachusetts.
Minnesota.....	380	274	278	343	417	291	338	323	300	138	266	263	3,611	Minnesota.
Nebraska.....	53	31	13	13	13	10	10	44	12	10	11	14	239	Nebraska.
New York.....	2,337	2,018	2,216	2,746	2,312	2,695	1,764	2,250	1,666	1,330	1,259	1,399	24,001	New York.
North Dakota.....	67	8	15	15	19	18	18	18	18	5	4	2	168	North Dakota.
Porto Rico.....	62	76	168	128	156	135	168	153	177	105	95	126	1,521	Porto Rico.
Rhode Island.....	68	71	60	66	60	63	65	65	64	17	34	36	745	Rhode Island.
South Dakota.....	13	12	11	30	29	13	22	25	26	14	34	39	261	South Dakota.
Utah.....	4	3	4	4	5	3	2	2	2	8	15	4	47	Utah.
Vermont.....	11	12	33	26	23	17	8	42	12	16	16	14	192	Vermont.
West Virginia.....	11	12	31	47	16	12	20	5	15	10	8	8	185	West Virginia.
Wisconsin.....	174	169	156	222	219	171	185	126	109	106	109	112	1,832	Wisconsin.

Deaths registered as due to tuberculosis (pulmonary), 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	206	223	233	251	238	215	194	188	156	192	168	172	2,436	Alabama.
Arizona.....	97	83	118	113	187	52	45	65	60	113	113	143	1,048	Arizona.
Arkansas.....	91	85	115	108	120	114	93	62	64	111	93	184	1,240	Arkansas.
California.....	403	419	468	506	434	386	390	376	358	479	464	507	6,210	California.
Connecticut.....	173	138	164	171	139	133	111	106	119	192	136	161	1,766	Connecticut.
District of Columbia.....	59	45	77	96	63	51	50	60	43	58	41	44	647	District of Columbia.
Florida.....	113	78	85	74	90	78	83	68	73	91	91	81	1,005	Florida.
Hawaii.....	44	27	30	28	29	31	46	39	30	32	33	35	304	Hawaii.
Illinois.....	617	587	804	847	700	606	522	491	505	659	683	646	7,619	Illinois.
Indiana.....	282	297	365	394	301	291	240	229	200	242	255	289	3,385	Indiana.
Iowa.....	142	108	116	129	116	116	95	81	90	97	122	123	1,335	Iowa.
Kansas.....	93	67	93	85	72	61	61	67	54	83	74	101	911	Kansas.
Kentucky.....	353	384	463	427	362	360	261	293	234	362	314	267	4,080	Kentucky.
Louisiana.....	277	240	280	319	278	263	240	211	204	281	219	223	3,040	Louisiana.
Maine.....	48	75	63	79	67	58	53	37	47	80	48	64	719	Maine.
Maryland.....	241	215	319	249	219	194	210	187	158	339	206	196	2,733	Maryland.
Massachusetts.....	337	402	443	527	423	388	369	334	393	490	398	446	5,010	Massachusetts.
Michigan.....	215	262	300	333	280	234	222	204	174	270	194	252	2,920	Michigan.
Minnesota.....	167	151	172	215	194	158	130	118	131	144	205	191	1,976	Minnesota.
Missouri.....	40	50	59	38	31	59	27	31	30	37	31	47	480	Missouri.
Nebraska.....	1,382	1,287	1,658	1,442	1,284	1,145	1,016	1,001	929	1,522	1,235	1,139	15,040	Nebraska.
New York.....	19	26	24	32	24	23	18	18	16	17	21	34	270	New York.
North Dakota.....	576	544	695	681	598	497	451	419	391	517	530	546	6,445	North Dakota.
Ohio.....	47	47	89	94	115	72	85	77	58	86	75	73	918	Ohio.
Oklahoma.....	43	50	65	54	46	47	42	26	20	42	50	32	517	Oklahoma.
Oregon.....	859	910	1,094	1,097	883	767	725	758	724	1,252	939	915	10,923	Oregon.
Pennsylvania.....	199	201	201	201	199	107	255	252	197	198	242	246	2,508	Pennsylvania.
Porto Rico.....	75	68	83	83	72	58	60	65	67	98	76	73	879	Porto Rico.
Rhode Island.....	101	131	162	156	177	136	110	118	118	148	119	140	1,616	Rhode Island.
South Carolina.....	13	12	13	30	22	13	22	25	26	14	34	39	281	South Carolina.
South Dakota.....	419	393	433	464	416	376	345	78	267	299	333	314	4,134	South Dakota.
Texas.....	14	13	18	23	10	11	12	12	12	22	18	15	180	Texas.
Utah.....	26	20	23	34	38	27	22	19	26	32	23	22	312	Utah.
Vermont.....	82	91	103	106	111	83	93	70	58	92	94	98	1,087	Vermont.
Washington.....	140	163	194	233	203	154	182	166	139	150	143	198	2,065	Washington.
Wisconsin.....														Wisconsin.

Tuberculosis (pulmonary)—Average cases reported per annum and average indicated morbidity rates, 1916-1917; cases reported, deaths registered, indicated morbidity and mortality rates, and number of cases reported for each death registered, 1918.

State.	Estimated population July 1, 1918.	Average.		1918					State.
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	
Alabama.....	2,385,270	1916, 1917-2 years.....	2,987	1.3	2,688	1.1	2,036	1.0	Alabama.
Arizona.....	272,034	1916-1 year.....	19	.1			1,048	3.9	Arizona.
Arkansas.....	1,792,965						1,240	.7	Arkansas.
California.....	3,119,412						5,210	1.7	California.
Connecticut.....	1,286,268	1916-1 year.....	2,016	1.6	1,132	2.8	1,766	1.4	Connecticut.
District of Columbia.....	1,401,681						647	1.6	District of Columbia.
Florida.....	938,877						1,005	1.1	Florida.
Hawaii.....	223,419	1916, 1917-2 years.....	879	4.0			7,404	1.8	Hawaii.
Illinois.....	6,317,734	1917-1 year.....	12,710	2.0			7,619	1.2	Illinois.
Indiana.....	2,654,167	1916, 1917-2 years.....	2,861	1.0	3,076		3,385	1.2	Indiana.
Iowa.....	2,224,771						1,335	.6	Iowa.
Kansas.....	1,874,195						911	.5	Kansas.
Kentucky.....	2,408,547						4,060	1.7	Kentucky.
Louisiana.....	1,884,778	1916-1 year.....	1,939	1.1			3,040	1.6	Louisiana.
Maine.....	782,191						719	.9	Maine.
Maryland.....	1,384,539	1916, 1917-2 years.....	3,246	2.4	3,838	2.8	2,733	2.0	Maryland.
Massachusetts.....	3,832,760	1916, 1917-2 years.....	8,121	2.2	7,841	2.0	5,010	1.3	Massachusetts.
Michigan.....	3,133,078						2,920	.9	Michigan.
Minnesota.....	2,845,287	1916, 1917-2 years.....	4,479	2.0	3,611	1.5	1,976	.8	Minnesota.
Mississippi.....	2,001,466						2,652	1.3	Mississippi.
Missouri.....	3,448,468						4,145	1.2	Missouri.
Montana.....	486,376	1916, 1917-2 years.....	267	.6				.4	Montana.
Nebraska.....	1,299,877						480		Nebraska.
Nevada.....	114,742	1917-1 year.....	64	.6					Nevada.
New York.....	10,646,989	1916, 1917-2 years.....	28,976	2.8	24,001	2.3	15,040	1.4	New York.
North Dakota.....	791,437	1917-1 year.....	174	.2			270	.3	North Dakota.
Ohio.....	5,277,814						6,445	1.2	Ohio.
Oklahoma.....	2,373,629						918	.4	Oklahoma.
Oregon.....	888,243	1916-1 year.....	426	.5			517	.6	Oregon.
Pennsylvania.....	8,798,667						10,923	1.2	Pennsylvania.
Puerto Rico.....	1,247,415						2,598	2.0	Puerto Rico.
Rhode Island.....	637,477	1916, 1917-2 years.....	853	1.4	1,531		2,879	1.4	Rhode Island.
South Carolina.....	1,660,934	1917-1 year.....	287	.2	1,745				South Carolina.
South Dakota.....	735,434	1917-1 year.....	146	.2	261		1,616	1.0	South Dakota.

State.	Years.	Jan- uary.	Feb- ruary.	March.	April.	May.	June.	July.	Aug- ust.	Sep- tem- ber.	Octo- ber.	No- vem- ber.	De- cem- ber.	Aver- age per year.	State.
Texas.....	4, 601, 279	32	66	43	29	64	54	94	47	43	24	15	86	597	Arkansas.
Utah.....	453, 648	642	564	715	565	644	465	424	635	591	624	567	562	6, 998	California.
Vermont.....	366, 192	137	156	130	158	173	149	152	153	140	152	161	134	1, 795	Connecticut.
Washington.....	1, 660, 578	83	80	95	94	92	84	95	94	78	84	84	69	1, 032	District of Columbia.
West Virginia.....	1, 439, 165	113	101	86	68	76	77	74	68	62	75	80	94	954	Hawaii.
Wisconsin.....	2, 553, 983	113	1, 250	1, 211	1, 003	866	1, 160	1, 313	1, 258	1, 245	448	1, 559	2, 573	13, 999	Illinois.
		330	362	408	377	380	338	264	304	273	251	367	221	3, 875	Indiana.
		128	126	147	112	145	127	119	131	107	95	108	100	1, 445	Kansas.
		23	215	213	183	164	174	201	127	122	139	130	188	1, 879	Louisiana.
		52	22	24	36	79	68	43	34	43	37	32	33	503	Maine.
		744	726	762	748	775	773	842	723	683	659	690	714	8, 839	Massachusetts.
		402	537	537	583	596	536	393	564	387	419	352	660	5, 966	Michigan.
		410	393	442	454	485	453	381	408	395	398	320	368	4, 907	Minnesota.
		513	588	620	594	724	538	647	652	592	514	438	432	6, 852	Mississippi.
		809	696	921	845	825	732	718	697	542	621	541	620	8, 597	New York.
		2, 697	2, 507	3, 018	2, 523	2, 570	2, 702	2, 415	2, 608	2, 121	2, 237	2, 199	2, 016	29, 613	New York.
		6	14	10	14	21	22	26	19	16	18	12	21	199	North Dakota.
		527	580	689	628	582	568	536	442	424	434	421	394	6, 225	Ohio.
		54	72	42	40	46	46	34	32	33	22	42	20	501	Oklahoma.
		43	37	71	56	46	49	51	48	36	41	43	44	565	Oregon.
		1, 086	855	1, 117	1, 136	1, 068	1, 034	1, 009	795	801	778	769	778	11, 457	Pennsylvania.
		59	63	66	94	71	82	68	66	99	116	85	103	951	Porto Rico.
		68	65	93	94	90	94	80	67	73	61	56	62	903	Rhode Island.
		13	17	28	10	18	22	39	0	49	14	21	15	251	South Carolina.
		13	9	12	36	7	14	20	14	7	13	8	14	157	South Dakota.
		147	88	106	84	69	78	55	103	19	147	149	194	1, 239	Texas.
		321	298	362	317	315	285	220	288	293	212	232	227	3, 374	Virginia.
		155	24	41	28	35	35	10	33	25	28	36	44	3, 374	West Virginia.
		140	117	189	122	196	177	186	213	107	115	122	116	1, 800	Wisconsin.
		6	4	2	4	8	2	6	7	3	2	6	6	56	Wyoming.

Tuberculosis (all forms)—Monthly averages of cases reported during the years for which data are available, 1916-17.

Texas.....	4, 601, 279	1917-1 year.....	60	1	47	4, 134	9	Texas.
Utah.....	453, 648	1916, 1917-2 years.....	291	8	192	312	9	Utah.
Vermont.....	366, 192	1916, 1917-2 years.....	1, 127	7	106	1, 087	7	Vermont.
Washington.....	1, 660, 578	1916, 1917-2 years.....	368	3	165	2, 065	8	Washington.
West Virginia.....	1, 439, 165	1917-1 year.....	1	1, 852	1	1	1	West Virginia.
Wisconsin.....	2, 553, 983	1917-1 year.....	1	1, 852	1	1	1	Wisconsin.

Cases of tuberculosis (all forms) reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	238	263	261	297	284	265	235	230	200	199	173	205	2,370	Alabama.
Arkansas.....	42	74	123	130	127	61	59	54	43	56	32	63	864	Arkansas.
California.....	658	628	585	567	810	623	713	703	582	766	465	444	7,534	California.
Colorado.....	85	.....	110	76	4	93	47	59	50	40	30	35	629	Colorado.
Connecticut.....	138	146	178	205	225	236	240	208	174	114	155	146	2,167	Connecticut.
Florida.....	37	63	42	39	43	40	35	43	78	24	40	38	522	Florida.
Illinois.....	1,840	1,142	1,722	1,446	1,602	1,353	1,563	1,182	973	891	1,208	637	15,559	Illinois.
Louisiana.....	150	160	1,207	1,197	184	196	165	182	130	143	124	154	1,992	Louisiana.
Maine.....	22	30	9	30	21	34	41	19	23	23	25	19	266	Maine.
Massachusetts.....	706	753	898	865	966	818	696	664	619	465	570	569	8,599	Massachusetts.
Michigan.....	130	442	327	330	230	148	667	360	256	302	259	204	3,655	Michigan.
Minnesota.....	386	282	288	353	428	299	346	332	309	138	268	271	3,700	Minnesota.
Mississippi.....	435	540	678	637	614	610	608	468	369	344	310	247	5,960	Mississippi.
Montana.....	19	16	23	37	18	70	24	37	64	10	1	190	509	Montana.
New Jersey.....	518	602	819	826	731	624	734	656	594	509	756	587	7,946	New Jersey.
North Carolina.....	256	351	350	227	307	589	268	282	441	181	138	131	3,521	North Carolina.
Ohio.....	599	643	647	628	656	655	565	579	456	329	274	372	6,403	Ohio.
Oregon.....	38	57	79	70	78	91	78	102	81	46	31	42	783	Oregon.
Pennsylvania.....	832	988	1,077	1,244	1,005	1,186	859	903	760	361	251	628	10,115	Pennsylvania.
Porto Rico.....	70	85	118	138	174	150	217	165	196	119	114	140	1,686	Porto Rico.
Rhode Island.....	66	74	63	106	63	77	86	72	68	10	58	40	792	Rhode Island.
South Carolina.....	11	35	23	32	40	28	24	36	20	10	10	17	296	South Carolina.
South Dakota.....	137	148	198	215	271	15	23	28	28	20	37	44	307	South Dakota.
Texas.....	127	148	162	171	215	134	106	113	214	76	76	40	1,590	Texas.
Virginia.....	231	336	337	337	252	214	212	207	158	174	131	129	2,638	Virginia.
Washington.....	62	95	106	137	160	103	102	120	102	48	68	79	1,172	Washington.
Wyoming.....	.....	1	.....	.....	.....	.....	2	1	.....	.....	.....	.....	4	Wyoming.

Deaths registered as due to tuberculosis (all forms), 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	217	248	261	285	252	231	211	206	164	203	172	182	2,612	Alabama.
Arizona.....	103	90	122	125	97	59	50	69	62	116	76	146	1,116	Arizona.
Arkansas.....	98	95	117	114	122	117	97	66	66	112	94	191	1,289	Arkansas.
California.....	435	472	593	572	508	441	424	428	419	533	500	563	5,861	California.
Connecticut.....	201	188	189	199	192	145	131	128	139	217	156	184	2,036	Connecticut.
Delaware.....	47	42	45	34	42	34	22	38	37	46	20	33	440	Delaware.
District of Columbia.....	70	54	83	66	66	55	62	70	77	69	47	50	739	District of Columbia.
Florida.....	119	82	94	79	98	85	87	73	76	97	100	91	1,081	Florida.
Hawaii.....	51	30	35	35	36	41	53	45	35	36	34	42	473	Hawaii.
Illinois.....	686	656	890	939	798	682	597	567	566	740	703	606	8,520	Illinois.
Indiana.....	323	350	420	461	361	336	285	276	247	280	289	316	3,944	Indiana.
Iowa.....	150	132	132	157	139	140	121	99	112	108	138	135	1,533	Iowa.
Kansas.....	99	78	108	99	88	74	73	71	65	92	83	108	1,038	Kansas.
Kentucky.....	401	425	513	479	418	409	297	333	280	397	341	298	4,591	Kentucky.
Louisiana.....	295	257	302	342	299	285	266	227	218	308	241	238	3,278	Louisiana.
Maine.....	72	91	87	92	86	81	68	53	64	97	57	73	921	Maine.
Massachusetts.....	460	470	510	605	490	461	427	393	451	528	462	501	5,758	Massachusetts.
Michigan.....	278	313	351	380	330	279	260	252	210	289	235	286	3,463	Michigan.
Minnesota.....	199	183	219	260	251	183	167	151	106	173	229	219	2,408	Minnesota.
Nebraska.....	50	61	72	52	37	67	38	38	35	49	43	52	594	Nebraska.
New Jersey.....	392	398	522	475	426	347	347	342	316	485	338	351	4,739	New Jersey.
New York.....	1,552	1,448	1,858	1,631	1,468	1,335	1,188	1,156	1,058	1,668	1,332	1,259	16,953	New York.
North Dakota.....	19	26	26	32	30	31	21	22	16	20	21	35	299	North Dakota.
Ohio.....	665	632	837	809	728	607	549	511	477	610	598	626	7,649	Ohio.
Oklahoma.....	52	50	95	99	130	80	93	90	64	92	81	75	1,001	Oklahoma.
Oregon.....	53	54	79	64	55	61	58	38	25	56	56	39	638	Oregon.
Pennsylvania.....	999	1,061	1,287	1,316	1,089	947	893	905	850	1,409	1,052	1,067	12,875	Pennsylvania.
Porto Rico.....	214	223	210	211	211	267	267	269	213	210	262	279	2,693	Porto Rico.
Rhode Island.....	95	87	106	112	86	77	73	87	80	117	88	85	1,093	Rhode Island.
South Carolina.....	112	144	176	172	191	151	121	129	150	131	149	131	1,757	South Carolina.
South Dakota.....	17	16	17	35	27	15	23	28	28	20	37	44	307	South Dakota.
Texas.....	439	417	464	502	473	412	380	105	278	315	345	323	4,456	Texas.
Utah.....	15	15	24	24	10	15	12	16	17	23	19	17	207	Utah.
Vermont.....	33	24	31	41	43	36	25	17	22	31	24	26	25	Vermont.
Washington.....	106	122	140	114	152	107	117	90	84	108	110	114	1,364	Washington.
Wisconsin.....	150	182	224	268	238	180	202	186	168	173	147	219	2,337	Wisconsin.
Wyoming.....	6	4	4	9	4	6	3	5	6	7	6	1	61	Wyoming.

Tuberculosis (all forms).—Average number of cases reported per annum and average indicated morbidity rates, 1916-17; cases reported, deaths registered, indicated morbidity and mortality rates, and number of cases reported for each death registered, 1918.

State.	Estimated population, July 1, 1918.	Average.			1918				State.
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	
Alabama.....	2,395,270	.....	.....	.....	2,870	1.2	2,612	1.1	Alabama.
Arizona.....	272,034	.....	.....	.....	.....	.....	1,115	4.1	Arizona.
Arkansas.....	1,792,965	1917-1 year.....	597	0.3	884	.....	1,289	4.7	Arkansas.
California.....	3,119,412	1916, 1917-2 years.....	6,998	2.3	7,534	2.4	5,861	1.9	California.
Colorado.....	1,014,581	.....	.....	.....	629	6	.....	.....	Colorado.
Connecticut.....	1,268,268	1917-1 year.....	1,795	1.4	2,167	1.7	2,035	1.6	Connecticut.
Delaware.....	216,941	.....	.....	.....	.....	.....	440	2.0	Delaware.
District of Columbia.....	401,681	1916, 1917-2 years.....	1,082	2.8	522	.....	739	1.8	District of Columbia.
Florida.....	938,877	.....	.....	.....	.....	.....	1,081	1.2	Florida.
Hawaii.....	223,419	1916, 1917-2 years.....	954	3.6	.....	.....	473	2.1	Hawaii.
Illinois.....	6,317,734	1917-1 year.....	13,990	2.2	15,559	2.5	8,520	1.3	Illinois.
Indiana.....	2,854,187	 do.....	3,875	1.4	.....	.....	3,044	1.4	Indiana.
Iowa.....	2,324,771	.....	.....	.....	.....	.....	1,593	1.7	Iowa.
Kansas.....	1,574,185	1916, 1917-2 years.....	1,445	.8	.....	.....	1,038	.6	Kansas.
Kentucky.....	2,093,437	.....	.....	.....	.....	.....	3,574	1.9	Kentucky.
Louisiana.....	1,894,477	1917-1 year.....	1,870	1.0	1,992	.....	2,591	1.7	Louisiana.
Maine.....	582,191	.....	.....	.....	204	.....	601	1.2	Maine.
Massachusetts.....	3,822,760	1916, 1917-2 years.....	8,839	2.6	8,589	2.2	5,753	1.5	Massachusetts.
Michigan.....	3,435,075	 do.....	5,995	1.9	3,633	1.2	3,443	1.1	Michigan.
Minnesota.....	2,345,237	 do.....	4,907	2.1	2,700	1.6	2,408	1.0	Minnesota.
Mississippi.....	2,011,466	1917-1 year.....	6,852	3.5	5,860	2.9	2,796	1.4	Mississippi.
Missouri.....	3,448,498	.....	.....	.....	509	.....	4,587	1.3	Missouri.
Montana.....	456,376	.....	.....	.....	.....	1.0	.....	.....	Montana.
Nebraska.....	1,286,877	.....	.....	.....	.....	.....	584	.5	Nebraska.
New Jersey.....	3,090,371	1916, 1917-2 years.....	8,597	2.9	7,946	2.6	4,720	1.5	New Jersey.
New York.....	10,646,989	 do.....	29,613	2.9	3,321	1.4	16,953	1.6	New York.
North Carolina.....	2,468,025	.....	.....	.....	.....	.....	.....	.....	North Carolina.
North Dakota.....	791,437	1917-1 year.....	199	.3	.....	.....	299	.4	North Dakota.
Ohio.....	5,273,814	1916, 1917-2 years.....	6,225	1.2	6,403	.....	7,649	1.5	Ohio.
Oklahoma.....	2,377,629	1917-1 year.....	591	.2	793	.....	1,601	.4	Oklahoma.
Oregon.....	888,243	1916, 1917-2 years.....	565	.7	.....	.9	1,638	.4	Oregon.
Pennsylvania.....	8,798,067	 do.....	11,457	1.3	10,115	.....	12,873	1.5	Pennsylvania.
Porto Rico.....	1,247,677	1917-1 year.....	961	.8	1,686	.....	2,693	2.2	Porto Rico.
Rhode Island.....	1,637,415	1916, 1917-2 years.....	943	1.5	792	.....	1,093	1.7	Rhode Island.

Typhoid fever—Monthly averages of cases reported during the years for which data are available, 1913-1917.

State.	Years.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average per year.	State.
Alabama.....	1913, 1915-1917—4 years.....	81	67	50	65	117	310	575	532	339	265	152	89	2,642	Alabama.
Arizona.....	1916—1 year.....	0	0	3	2	0	9	6	7	5	14	5	0	51	Arizona.
Arkansas.....	1917—1 year.....	22	40	23	25	56	49	133	128	87	87	48	41	774	Arkansas.
California.....	1913-1917—5 years.....	100	70	76	89	95	105	165	185	150	169	104	104	1,409	California.
Colorado.....	1914, 1916, 1917—3 years.....	24	8	10	20	16	23	54	80	105	114	57	23	534	Colorado.
Connecticut.....	1913-1917—5 years.....	22	22	22	27	29	41	56	144	166	95	84	35	743	Connecticut.
District of Columbia.....	do.....	15	12	13	14	24	37	72	68	47	32	28	20	361	District of Columbia.
Hawaii.....	do.....	11	17	17	16	15	18	13	11	16	33	28	20	213	Hawaii.
Idaho.....	1913—1 year.....	0	0	0	0	0	0	12	26	56	23	30	18	176	Idaho.
Illinois.....	1913, 1914, 1917—3 years.....	239	171	140	184	136	145	324	512	686	508	427	269	3,741	Illinois.
Indiana.....	1913-1917—5 years.....	113	99	107	101	82	97	219	532	472	345	221	135	2,523	Indiana.
Iowa.....	do.....	37	34	41	38	39	51	212	351	335	322	214	125	1,799	Iowa.
Louisiana.....	1914-1917—4 years.....	46	32	21	41	69	125	160	124	84	107	80	120	1,009	Louisiana.
Maine.....	1916, 1917—2 years.....	19	11	6	10	11	7	19	32	47	27	22	31	242	Maine.
Massachusetts.....	1913-1917—3 years.....	107	71	75	79	97	122	242	645	603	407	232	136	2,736	Massachusetts.
Michigan.....	1913, 1916, 1917—3 years.....	102	73	69	92	79	92	138	296	364	263	153	98	1,819	Michigan.
Minnesota.....	1913-1917—5 years.....	131	124	113	114	91	119	152	274	322	298	154	104	1,956	Minnesota.
Mississippi.....	do.....	73	58	63	54	45	58	84	165	188	177	106	79	1,150	Mississippi.
Montana.....	1914-1917—4 years.....	257	193	164	157	269	616	955	1,042	816	642	490	305	5,926	Montana.
Nevada.....	1913, 1914, 1916, 1917—4 years.....	51	34	26	36	29	23	35	52	69	76	42	19	462	Nevada.
New Jersey.....	1913, 1915, 1917—3 years.....	7	2	4	4	5	9	11	21	26	22	11	8	130	New Jersey.
New York.....	1913-1917—5 years.....	67	47	56	57	75	72	130	237	298	221	124	71	1,455	New York.
North Dakota.....	do.....	262	244	230	284	277	272	393	691	971	771	436	344	5,175	North Dakota.
Ohio.....	1917—1 year.....	8	5	7	26	24	24	338	561	815	601	337	211	231	Ohio.
Oklahoma.....	1913, 1915, 1917—3 years.....	243	199	176	190	228	245	338	393	312	264	232	154	4,174	Oklahoma.
Oregon.....	1913-1917—5 years.....	73	55	29	64	48	133	293	312	365	282	158	98	1,767	Oregon.
Pennsylvania.....	1916, 1917—2 years.....	378	317	317	297	382	332	508	929	1,536	1,278	427	221	6,880	Pennsylvania.
Porto Rico.....	1914, 1915, 1917—3 years.....	30	16	38	34	32	25	30	29	39	26	18	28	345	Porto Rico.
Rhode Island.....	1913-1917—5 years.....	7	8	11	11	15	15	19	38	37	44	22	17	244	Rhode Island.
South Carolina.....	1913-1917—3 years.....	24	14	23	26	62	194	203	149	147	73	42	19	976	South Carolina.
South Dakota.....	1913, 1914, 1917—3 years.....	24	4	5	4	3	8	13	23	29	17	13	10	129	South Dakota.
Texas.....	1915, 1917—2 years.....	37	32	24	41	38	90	158	139	145	185	165	93	1,147	Texas.
Utah.....	1913-1917—4 years.....	13	11	30	22	21	39	66	82	131	104	76	26	691	Utah.
Vermont.....	1914-1917—4 years.....	14	14	16	20	9	8	10	28	39	30	18	12	227	Vermont.
Virginia.....	1913-1917—6 years.....	145	133	95	110	180	345	697	1,024	728	498	331	187	4,391	Virginia.
Washington.....	do.....	48	30	34	30	35	42	64	120	137	177	137	76	1,776	Washington.
West Virginia.....	1917—1 year.....	71	74	63	80	61	106	160	329	296	165	180	45	1,629	West Virginia.
Wisconsin.....	1913-1917—5 years.....	42	55	74	62	58	37	48	54	54	54	52	45	623	Wisconsin.
Wyoming.....	do.....	5	4	4	2	5	3	4	8	11	9	6	6	67	Wyoming.

Cases of typhoid fever reported, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	44	54	38	53	100	262	577	432	333	95	50	36	2,094	Alabama.
Arizona.....	7	1	2	15	5	9	24	54	70	1	0	6	71	Arizona.
Arkansas.....	10	37	20	15	17	42	93	85	106	25	27	27	473	Arkansas.
California.....	81	53	60	66	113	106	170	122	109	105	25	39	1,049	California.
Colorado.....	5	3	3	23	8	11	52	110	129	41	7	4	404	Colorado.
Connecticut.....	18	9	11	16	15	24	38	104	147	30	12	19	443	Connecticut.
District of Columbia.....	10	6	5	6	7	21	46	39	43	19	5	10	217	District of Columbia.
Florida.....	17	14	27	23	73	38	99	69	56	31	24	14	485	Florida.
Illinois.....	89	82	55	52	52	64	212	241	296	102	24	24	1,344	Illinois.
Indiana.....	48	42	87	45	64	74	84	187	207	180	62	47	1,127	Indiana.
Iowa.....	35	30	56	58	66	92	322	392	444	201	88	27	1,811	Iowa.
Kansas.....	28	42	66	86	189	321	382	342	196	108	63	101	1,922	Kansas.
Louisiana.....	10	5	6	4	7	13	10	17	17	12	4	7	112	Louisiana.
Maine.....	10	5	6	4	7	13	10	17	17	12	4	7	112	Maine.
Maryland.....	39	39	75	70	63	75	154	351	435	222	86	101	1,701	Maryland.
Massachusetts.....	53	39	41	52	69	64	112	184	261	97	49	44	1,065	Massachusetts.
Michigan.....	44	47	71	47	35	69	66	115	226	128	33	34	915	Michigan.
Minnesota.....	44	59	82	61	34	22	42	83	77	78	18	14	614	Minnesota.
Mississippi.....	146	141	155	154	242	601	1,114	1,174	709	305	255	145	5,141	Mississippi.
Montana.....	2	12	11	23	3	7	28	31	37	35	11	10	210	Montana.
Nebraska.....	4	3	3	6	9	.....	.....	16	66	30	11	5	156	Nebraska.
New Jersey.....	52	34	46	36	36	38	65	132	166	64	25	45	739	New Jersey.
New York.....	122	123	168	197	196	250	312	543	596	461	202	180	3,330	New York.
North Carolina.....	20	17	30	31	46	260	879	949	769	203	75	109	3,388	North Carolina.
North Dakota.....	15	5	8	4	6	2	11	21	23	25	4	.....	124	North Dakota.
Ohio.....	142	130	138	126	122	192	253	443	841	324	116	91	2,918	Ohio.
Oregon.....	14	4	13	10	12	12	15	26	24	35	16	7	183	Oregon.
Pennsylvania.....	146	301	328	288	229	291	336	643	976	660	185	176	4,559	Pennsylvania.
Porto Rico.....	4	8	14	39	46	24	37	28	16	14	8	8	275	Porto Rico.
Rhode Island.....	13	25	14	23	8	6	14	18	36	52	23	6	132	Rhode Island.
South Carolina.....	5	1	10	11	29	75	188	289	97	13	3	14	763	South Carolina.
South Dakota.....	.....	8	9	3	5	2	3	16	264	106	38	18	1,621	South Dakota.
Texas.....	.....	1	1	9	11	302	355	265	264	37	34	8	231	Texas.
Utah.....	51	45	29	34	104	19	27	37	37	34	9	3	143	Utah.
Vermont.....	10	8	11	1	14	6	5	31	35	21	6	3	143	Vermont.
Virginia.....	58	14	65	114	123	186	315	517	355	201	96	56	2,141	Virginia.
Washington.....	38	35	20	25	41	47	90	107	165	96	23	7	694	Washington.
West Virginia.....	48	46	42	96	70	104	177	204	192	69	61	18	1,127	West Virginia.
Wisconsin.....	22	31	56	42	36	35	29	39	43	19	4	2	368	Wisconsin.
Wyoming.....	.....	1	2	2	3	23	22	9	3	.....	.....	1	66	Wyoming.

Deaths registered as due to typhoid fever, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Alabama.....	26	8	20	19	33	58	118	114	89	57	33	23	598	Alabama.
Arizona.....	4	3	1	5	3	10	9	2	2	8	5	2	56	Arizona.
Arkansas.....	11	16	5	7	15	19	19	26	27	36	13	49	243	Arkansas.
California.....	9	18	13	15	16	17	19	24	17	28	8	10	174	California.
Connecticut.....	5	3	4	4	2	4	4	9	17	17	2	4	95	Connecticut.
Delaware.....	0	0	3	3	1	1	1	12	13	18	2	5	59	Delaware.
District of Columbia.....	4	2	1	1	.....	8	12	5	7	3	.....	5	48	District of Columbia.
Florida.....	9	5	12	26	33	38	37	26	27	19	13	5	250	Florida.
Hawaii.....	3	6	6	2	6	1	8	4	1	3	0	5	45	Hawaii.
Illinois.....	26	37	24	21	33	27	37	84	75	86	44	39	533	Illinois.
Indiana.....	19	16	24	26	20	23	23	46	48	77	45	29	399	Indiana.
Iowa.....	9	12	9	9	7	13	16	18	17	31	4	9	184	Iowa.
Kansas.....	20	11	11	8	12	13	32	46	37	51	29	14	234	Kansas.
Kentucky.....	29	16	28	33	29	43	56	104	112	88	53	27	683	Kentucky.
Louisiana.....	21	26	28	31	59	104	110	118	70	72	34	18	691	Louisiana.
Maine.....	4	5	4	4	2	7	2	6	8	11	3	2	89	Maine.
Maryland.....	10	9	7	13	8	10	14	32	42	65	10	17	237	Maryland.
Massachusetts.....	9	8	5	8	9	13	11	17	26	36	9	17	186	Massachusetts.
Michigan.....	22	15	20	35	21	16	18	34	20	64	29	17	321	Michigan.
Minnesota.....	5	4	4	10	5	1	5	9	11	9	0	3	88	Minnesota.
Nebraska.....	3	4	4	4	4	7	8	23	18	41	4	10	88	Nebraska.
New Jersey.....	13	4	14	16	44	30	50	55	78	145	31	33	576	New Jersey.
New York.....	27	21	34	28	44	30	50	55	78	145	31	33	576	New York.
North Dakota.....	.....	.....	.....	.....	.....	1	1	3	3	9	2	1	26	North Dakota.
Ohio.....	47	38	42	52	41	34	38	70	113	181	68	41	771	Ohio.
Oklahoma.....	14	16	14	14	11	24	32	91	67	61	48	30	468	Oklahoma.
Oregon.....	.....	.....	.....	.....	.....	5	8	9	5	15	5	5	70	Oregon.
Pennsylvania.....	42	52	16	68	52	43	70	87	129	108	62	44	924	Pennsylvania.
Porto Rico.....	45	21	15	20	9	8	15	13	14	15	3	7	157	Porto Rico.
Rhode Island.....	17	3	13	3	3	2	1	4	6	6	.....	4	35	Rhode Island.
South Carolina.....	1	3	13	3	18	57	70	96	90	56	8	33	482	South Carolina.
South Dakota.....	2	5	11	14	3	1	3	98	2	5	6	3	37	South Dakota.
Texas.....	.....	.....	.....	.....	.....	129	176	148	113	117	71	61	1,087	Texas.
Utah.....	55	53	46	31	57	3	2	6	3	2	2	2	39	Utah.
Vermont.....	3	1	1	2	2	3	2	4	7	4	4	1	31	Vermont.
Washington.....	2	6	2	2	2	1	11	4	11	18	17	10	98	Washington.
Wisconsin.....	2	2	2	2	2	9	5	4	7	10	7	6	94	Wisconsin.
Wyoming.....	1	2	2	.....	5	.....	5	2	2	1	1	.....	18	Wyoming.

Typhoid fever—Average number of cases reported per annum and average indicated morbidity rates, 1913-1917; cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Average.			1918.					State.
		Years.	Cases reported per annum.	Cases per 1,000 inhabitants.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
Alabama.....	2,395,270	1913-1915-1917-4 years.....	2,642	1.1	2,094	0.9	598	0.25	28.5	Alabama.
Arizona.....	2,272,034	1916-1 year.....	51	.2	71	.3	58	.21	78.9	Arizona.
Arkansas.....	1,792,965	1917-1 year.....	4	.4	473	.3	243	.14	51.4	Arkansas.
California.....	3,119,412	1913-1917-5 years.....	1,409	.5	1,049	.3	194	.06	18.5	California.
Colorado.....	1,014,581	1914-1916-1917-3 years.....	1,524	.6	404	.4	75	.06	16.9	Colorado.
Connecticut.....	1,286,268	1913-1917-5 years.....	743	.6	443	.3	59	.27	27	Connecticut.
Delaware.....	216,941	1913-1917-5 years.....	361	1.0	217	.5	48	.12	22.1	Delaware.
District of Columbia.....	401,681	1913-1917-5 years.....	361	1.0	485	.5	250	.27	51.5	District of Columbia.
Florida.....	938,877	1913-1917-5 years.....	213	1.0	178	.6	45	.20	51.5	Florida.
Hawaii.....	223,419	1913-1917-5 years.....	213	1.0	178	.6	45	.20	51.5	Hawaii.
Idaho.....	461,760	1913-1 year.....	178	.6	1,344	.2	533	.08	39.7	Idaho.
Illinois.....	6,317,734	1913-1914-1917-3 years.....	3,741	.6	1,127	.4	306	.14	35.1	Illinois.
Indiana.....	2,854,187	1913-1917-5 years.....	2,523	.9	1,127	.4	354	.07	35.1	Indiana.
Iowa.....	2,224,771	1913-1917-5 years.....	1,799	1.0	1,811	1.0	284	.15	15.7	Iowa.
Kansas.....	1,874,194	1913-1917-5 years.....	1,799	1.0	1,811	1.0	284	.15	15.7	Kansas.
Kentucky.....	2,003,437	1913-1917-5 years.....	1,799	1.0	1,811	1.0	284	.15	15.7	Kentucky.
Louisiana.....	1,884,773	1914-1917-4 years.....	1,009	.6	1,922	1.0	691	.37	36.0	Louisiana.
Maine.....	769,173	1916-1917-2 years.....	1,009	.6	1,112	.1	38	.07	31.8	Maine.
Maryland.....	1,324,539	1913-1917-3 years.....	2,736	2.0	1,701	1.2	227	.17	13.9	Maryland.
Massachusetts.....	3,322,740	1913-1916-1917-3 years.....	1,819	.5	1,065	.3	188	.04	14.3	Massachusetts.
Michigan.....	3,435,615	1913-1917-5 years.....	1,456	.6	915	.3	321	.10	35.1	Michigan.
Minnesota.....	2,346,237	1913-1917-5 years.....	1,456	.6	915	.3	321	.10	35.1	Minnesota.
Mississippi.....	2,001,466	1914-1917-4 years.....	5,920	3.1	5,141	2.6	599	.30	11.7	Mississippi.
Missouri.....	3,448,498	1914-1917-4 years.....	492	1.1	210	.4	530	.15	11.7	Missouri.
Montana.....	486,376	1913, 1914, 1916, 1917-4 years.....	492	1.1	210	.4	530	.15	11.7	Montana.
Nebraska.....	1,246,877	1913, 1914, 1916, 1917-4 years.....	492	1.1	210	.4	530	.15	11.7	Nebraska.
Nevada.....	114,742	1913, 1915, 1917-3 years.....	130	1.3	156	.1	58	.04	37.2	Nevada.
New Jersey.....	3,960,371	1913-1917-5 years.....	1,455	.5	739	.2	162	.05	21.9	New Jersey.
New York.....	10,046,989	do.....	5,175	.5	3,330	.3	576	.05	17.3	New York.
North Carolina.....	2,463,025	do.....	3,388	1.4	2,918	.6	771	.15	26.4	North Carolina.
North Dakota.....	791,437	1917-1 year.....	231	.3	124	.2	26	.03	21.0	North Dakota.
Ohio.....	5,273,814	1914-1917-4 years.....	4,174	.8	2,918	.6	771	.15	26.4	Ohio.
Oklahoma.....	2,377,629	1913-1915, 1917-3 years.....	1,757	.8	1,757	.8	468	.20	38.3	Oklahoma.
Oregon.....	888,243	1913-1917-5 years.....	257	.3	183	.2	70	.08	38.3	Oregon.
Pennsylvania.....	8,768,067	1916, 1917-2 years.....	6,880	.8	4,559	.5	924	.11	20.3	Pennsylvania.

Deaths registered as due to typhus fever, 1918.

State.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	State.
Maryland.....													3	Maryland.
Massachusetts.....			1				3						1	Massachusetts.
New Jersey.....				1					1				1	New Jersey.
Texas.....													1	Texas.

Typhus fever—Cases reported, deaths registered, and indicated morbidity, mortality, and fatality rates, 1918.

State.	Estimated population July 1, 1918.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatality-ties per 100 cases.	State.	Estimated population July 1, 1918.	Total cases reported.	Cases per 1,000 inhabitants.	Total deaths registered.	Deaths per 1,000 inhabitants.	Fatality-ties per 100 cases.
Connecticut.....	1,288,268	1	0.0008				Massachusetts.....	3,832,790	2	0.0005	1	0.0003	50.0
Colorado.....	1,014,581	1	.0009				New Jersey.....	3,060,371			1	.0003	.....
Florida.....	938,877	1	.0011				Pennsylvania.....	8,768,067	1	.0001			.....
Maryland.....	1,384,530	4	.0028	3	0.0022	75.0	Texas.....	4,601,279	11	.0023	1	.0002	9.1

DEATHS DURING WEEK ENDED AUG. 2, 1919, IN CITIES.

From the "Weekly Health Index," Aug. 5, 1919, issued by the Bureau of the Census, Department of Commerce.

Deaths from all causes in certain large cities of the United States during the week ended Aug. 2, 1919, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceding years.

City.	Population July 1, 1918, esti- mated.	Week ended Aug. 2, 1919.		Average annual death rate per 1,000. ¹	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. ¹		Week ended Aug. 2, 1919.	Previous year or years. ²
Albany, N. Y.	112,565	22	10.2	C 17.6	4.5	C 5.3
Atlanta, Ga.	201,732	54	14.0	C 12.7	5.6	C 14.3
Baltimore, Md.	669,981	211	16.4	A 18.9	26.1	A 28.0
Boston, Mass.	785,245	173	11.5	A 14.4	17.9	A 17.5
Buffalo, N. Y.	473,229	119	13.1	C 15.6	26.9	C 33.8
Cambridge, Mass.	111,432	20	9.4	A 10.9	5.0	A 26.3
Chicago, Ill.	2,596,681	553	11.1	A 13.7	23.0	A 26.7
Cincinnati, Ohio.	418,022	111	13.8	C 10.9	16.2	C 17.2
Cleveland, Ohio.	810,306	170	10.9	C 11.3	14.7	C 31.8
Columbus, Ohio.	225,296	57	13.2	C 12.7	12.3	C 14.5
Dayton, Ohio.	130,655	34	13.6	C 12.4	17.6	C 6.5
Denver, Colo.		55			16.4	
Fall River, Mass.	128,392	33	13.4	C 19.9	39.4	C 51.0
Grand Rapids, Mich.	135,450	14	5.4	C 10.8	14.3	C 10.7
Indianapolis, Ind.	290,389	85	15.3	C 13.7	9.4	C 18.4
Jersey City, N. J.	318,770	73	11.9	C 9.8	12.3	C 30.0
Kansas City, Mo.	313,785	102	16.9	C 16.5	16.7	C 26.3
Los Angeles, Calif.	568,495	104	9.5	A 12.3	13.5	A 10.0
Louisville, Ky.	242,707	75	16.1	C 14.4	10.7	C 4.5
Lowell, Mass.	109,081	27	12.9	A 18.2	59.3	A 35.1
Memphis, Tenn.	154,759	58	19.5	C 17.9	25.9	C 11.3
Milwaukee, Wis.	453,481	95	10.9	A 12.1	31.6	A 16.5
Minneapolis, Minn.	383,442	72	9.8	C 8.7	11.1	C 6.3
Nashville, Tenn.	119,215	50	21.9	C 19.2	16.0	C 13.6
Newark, N. J.	428,684	99	12.0	C 13.0	31.3	C 23.4
New Haven, Conn.	154,865	33	11.1	C 12.5	21.2	C 16.2
New Orleans, La.	382,273	126	17.2	A 18.1	14.3	A 14.2
New York, N. Y.	5,215,879	1,198	12.0	C 11.2	22.6	C 21.2
Oakland, Calif.	214,206	44	10.7	A 10.1	2.3	A 9.8
Omaha, Neb.	180,264	34	9.8	C 11.3	23.5	C 15.4
Philadelphia, Pa.	1,761,371	429	12.7	A 17.1	22.1	A 23.9
Pittsburgh, Pa.	593,303	128	11.2	C 14.9	23.4	C 27.8
Portland, Oreg.		45			11.1	C 11.8
Providence, R. I.	263,613	49	9.7	C 12.7	24.5	C 32.8
Richmond, Va.	180,719	42	13.6	C 13.3	26.2	C 12.2
Rochester, N. Y.	264,856	50	9.8	C 15.6	2.0	C 20.3
St. Louis, Mo.	779,951	158	10.6	C 13.6	12.7	C 13.2
St. Paul, Minn.	257,699	38	7.7	C 9.5	13.2	C 12.8
Spokane, Wash.		24			4.2	C 11.1
Syracuse, N. Y.	161,404	28	9.0	C 17.8	14.3	C 29.1
Toledo, Ohio.	262,234	55	10.9	A 14.4	5.5	A 20.8
Washington, D. C.	401,681	130	16.9	A 18.0	19.2	A 17.1
Worcester, Mass.	173,650	50	15.0	C 13.2	20.6	C 15.9

¹ Annual rates per 1,000 estimated population.

² "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1918.

³ Population estimated as of July 1, 1919.

⁴ Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Aug. 2, 1919.

Policies in force.....	40,774,651
Number of death claims.....	6,846
Death claims per 1,000 policies in force, annual rate.....	8.8

PREVALENCE OF DISEASE.

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

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended Aug. 9, 1919.

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

ALABAMA.		CONNECTICUT.	
	Cases.		Cases.
Diphtheria.....	14	Cerebrospinal meningitis:	
Malaria.....	32	Torrington.....	1
Poliomyelitis.....	1	Seymour.....	1
Scarlet fever.....	7	Poliomyelitis:	
Smallpox.....	2	Torrington.....	2
Tuberculosis.....	41		
Typhoid fever.....	38		
ARKANSAS.		DELAWARE.	
Chicken pox.....	9	Chancroid.....	2
Diphtheria.....	1	Chicken pox.....	1
Influenza.....	2	Diphtheria:	
Lethargic encephalitis.....	1	Wilmington.....	1
Malaria.....	250	Gonorrhea.....	36
Pellagra.....	12	Influenza:	
Poliomyelitis.....	1	Milton.....	1
Scarlet fever.....	2	Malaria:	
Trachoma.....	2	Dover.....	1
Tuberculosis.....	8	Measles.....	1
Typhoid fever.....	16	Mumps.....	3
Whooping cough.....	6	Scarlet fever:	
		Townsend.....	1
		Syphilis.....	3
		Tuberculosis:	
CALIFORNIA.		Wilmington.....	3
		New Castle.....	1
Influenza.....	7	Typhoid fever:	
Poliomyelitis:		Laurel.....	1
Redwood City.....	1	Harrington.....	1
Claremont.....	1	McDonough.....	1
Smallpox:		Hartly.....	1
Oakland.....	2	Townsend.....	1
Monterey County.....	1	Wyoming.....	3
San Francisco.....	7		
Santa Clara County.....	2		
Los Angeles County.....	4		
San Joaquin County.....	1		
Stockton.....	1		
Long Beach.....	1		
Santa Rosa.....	1		
Typhoid fever:			
Sacramento.....	2		
Fresno County.....	1		
Modoc County.....	1		
Woodland.....	1		
Los Angeles County.....	1		
Perris.....	1		
Riverside.....	1		

GEORGIA—continued.

Cases.

Chicken pox.....	4
Diphtheria.....	18
Dysentery (amebic).....	3
Dysentery (bacillary).....	6
Gonorrhea.....	258
Hookworm.....	29
Influenza.....	2
Malaria.....	128
Mumps.....	4
Pneumonia (acute lobar).....	13
Scarlet fever.....	3
Septic sore throat.....	2
Smallpox.....	9
Syphilis.....	138
Tetanus.....	1
Tuberculosis (pulmonary).....	14
Typhoid fever.....	67
Whooping cough.....	8

ILLINOIS.

Cerebrospinal meningitis:	
Springfield.....	1
Standard.....	1
Diphtheria:	
Chicago.....	62
Harvey.....	2
Lemont.....	2
Dekalb.....	2
Crescent City.....	3
Mooseheart.....	2
Livingston County—	
Owego Township.....	2
Peoria.....	2
Scattering.....	11
Gonorrhea.....	282
Lethargic encephalitis:	
La Salle.....	1
Poliomyelitis:	
Chicago.....	14
La Grange.....	1
Cumberland County—	
Spring Point Township.....	1
Kewanee.....	1
Galesburg.....	1
Knox County—	
Lynn Township.....	1
Wenona.....	3
Sigel.....	1
Bradford.....	1
Freeport.....	1
Monmouth.....	2
Scarlet fever:	
Chicago.....	16
Springfield.....	6
Marion.....	2
Scattering.....	4
Smallpox:	
Hillview.....	2
Mokence.....	2
Scattering.....	4
Syphilis.....	190
Typhoid fever:	
Chicago.....	7
Edgewood.....	2
St. Elmo.....	2
Besser.....	2

ILLINOIS—continued.

Cases.

Typhoid fever—Continued.	
Elgin.....	4
Galesburg.....	2
Bluff Precinct.....	10
Jacksonville.....	2
Moline.....	2
Springfield.....	2
Joliet.....	3
Scattering.....	9

INDIANA.

Diphtheria:

Richmond.....	66
Johnson County.....	1
Montgomery County.....	1
Tipton County.....	1
Ripley County.....	1
Randolph County.....	2
Harrison County.....	4
Hendricks County.....	2
Grant County.....	7
Decatur County.....	1
Blackford County.....	7
Lake County.....	1
Washington County.....	2
Kosciusko County.....	3
Sullivan County.....	2
Boone County.....	2
Gonorrhea.....	119

Measles:

Prevalent in—

Clay County.
Owen County.
Lake County.
Delaware County.
Noble County.

Rabies in animals:

Orange County.....	1
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Scarlet fever:

Prevalent in—

Madison County.
Clinton County.
Elkhart County.
Hendricks County.
Jay County.
Delaware County.

Smallpox:

Prevalent in—

Wayne County.
Blackford County.
Ripley County.
Elkhart County.

Syphilis.....	102
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Typhoid fever:

Prevalent in—

Jennings County.
Harrison County.
Owen County.
Delaware County.
Shelby County.
Parke County.
Sullivan County.

IOWA.

Chancroid.....	2
Diphtheria:	
Emmetsburg.....	1
Cerro Gordo County.....	1

IOWA—continued.		Cases.	MASSACHUSETTS—continued.		Cases.
Gonorrhea.....		32	Mumps.....		17
Scarlet fever:			Ophthalmia neonatorum.....		17
Burlington.....		1	Pellagra.....		1
Des Moines.....		2	Pneumonia (lobar).....		16
Dubuque.....		1	Scarlet fever.....		51
Butler County.....		1	Septic sore throat.....		10
Humboldt County.....		1	Syphilis.....		73
Smallpox:			Tetanus.....		1
Bennett.....		1	Typhoid fever.....		24
Boone.....		2	Tuberculosis.....		154
Syphilis.....		8	Whooping cough.....		112
KANSAS.			MINNESOTA.		
Cerebrospinal meningitis:			Cerebrospinal meningitis.....		4
Carlton.....		1	Chancroid.....		5
Diphtheria.....		12	Gonorrhea.....		107
Scarlet fever.....		9	Poliomyelitis.....		5
Smallpox.....		18	Smallpox:		
LOUISIANA.			Grant County—Lawrence Township.....		5
Chancroid.....		45	Otter Tail County—		
Diphtheria.....		9	Aastad Township.....		1
Gonorrhea.....		212	Buse Township.....		1
Influenza.....		2	Traverse County—Croke Township.....		3
Pellagra.....		9	Wright County—Silver Creek Township...		1
Smallpox.....		2	Syphilis.....		108
Syphilis.....		117	MONTANA.		
Typhoid fever.....		31	Cerebrospinal meningitis:		
MAINE.			Absaroke.....		1
Chicken pox.....		1	Diphtheria.....		10
Diphtheria:			Influenza.....		3
Portland.....		3	Scarlet fever.....		3
Friendship.....		1	Typhoid fever.....		14
Winslow.....		1	NEW JERSEY.		
Gonorrhea.....		30	Influenza.....		2
Measles.....		1	Pneumonia.....		15
Scarlet fever:			NEW YORK.		
Portland.....		3	(Exclusive of New York City.)		
Westbrook.....		1	Cerebrospinal meningitis:		
Farmington.....		1	Buffalo.....		1
Smallpox:			Tonawanda.....		1
Boothbay.....		5	Diphtheria.....		135
Lewiston.....		5	Gonorrhea (voluntary reports).....		47
Syphilis.....		20	Influenza.....		3
Tuberculosis.....		17	Measles.....		90
Typhoid fever:			Poliomyelitis:		
Harrison.....		1	Rotterdam.....		1
Portland.....		1	Ithaca.....		1
Calais.....		1	Hague.....		1
Rumford.....		1	Newark.....		1
Whooping cough:			Yonkers.....		1
Portland.....		2	Pneumonia.....		33
Stonington.....		1	Scarlet fever.....		50
South Berwick.....		3	Syphilis (voluntary reports).....		170
Islesboro.....		3	Typhoid fever:		
Farmington.....		1	Tonawanda.....		11
MASSACHUSETTS.			Scattering.....		35
Cerebrospinal meningitis.....		6	Whooping cough.....		175
Chicken pox.....		29	NORTH CAROLINA.		
Diphtheria.....		76	Chancroid.....		19
German measles.....		3	Chicken pox.....		13
Gonorrhea.....		214	Cholera infantum.....		5
Influenza.....		5	Diphtheria.....		31
Malaria.....		1	Dysentery (amebic).....		1
Measles.....		42			

NORTH CAROLINA—continued.

	Cases.
Dysentery (bacillary).....	1
Gonorrhea.....	121
Measles.....	26
Ophthalmia neonatorum.....	1
Paratyphoid fever.....	2
Pneumonia (broncho).....	3
Pneumonia (lobar).....	3
Scarlet fever.....	24
Septic sore throat.....	7
Smallpox.....	14
Syphilis.....	42
Trachoma.....	1
Typhoid fever.....	144
Whooping cough.....	85

OHIO.

Smallpox:	
Uhrichsville.....	7
Youngstown.....	9
Typhoid fever:	
Struthers.....	3
Warren.....	5
Cambridge.....	5

VERMONT.

No outbreak or unusual prevalence.

VIRGINIA.

Poliomyelitis:	
Richmond.....	1
Henrico County.....	1

WASHINGTON.

Chicken pox.....	23
Diphtheria.....	16
Gonorrhea.....	29
Measles.....	7
Mumps.....	14
Scarlet fever.....	34
Smallpox.....	37
Syphilis.....	2
Tuberculosis.....	14
Typhoid fever.....	12
Whooping cough.....	31

WEST VIRGINIA.

Diphtheria:	
Huntington.....	2
Moundsville.....	1
Weston.....	2

WEST VIRGINIA—continued.

	Cases.
Measles:	
Charleston.....	2
Fairmont.....	1
Keyser.....	1
Poliomyelitis:	
Parkersburg.....	1
Scarlet fever:	
Charleston.....	1
Clarksburg.....	3
Fairmont.....	1
Huntington.....	2
Smallpox:	
Morgantown.....	1
Wheeling.....	2
Typhoid fever:	
Beckley.....	1
Clarksburg.....	1
Huntington.....	14
Keyser.....	1
Martinsburg.....	3
Wellsburg.....	1
Weston.....	1

WISCONSIN.

Cerebrospinal meningitis:	
Milwaukee.....	1
State.....	1
Chicken pox:	
Milwaukee.....	2
State.....	4
Diphtheria:	
Milwaukee.....	18
State.....	19
Measles:	
Milwaukee.....	3
State.....	9
Poliomyelitis:	
Milwaukee.....	9
State.....	13
Scarlet fever:	
Milwaukee.....	9
State.....	16
Smallpox:	
Milwaukee.....	3
State.....	20
Tuberculosis.....	17
Typhoid fever.....	12
Whooping cough:	
Milwaukee.....	45
State.....	8

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

Tables showing by counties the reported cases of cerebrospinal meningitis, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of those diseases. (See names of these and other diseases in the table of contents.)

The following monthly State reports include only those which were received during the current week. These reports appear each week as received.

State.	Cerebrospinal meningitis.	Diphtheria.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
June, 1919:									
Alabama.....	6	16	213	41	59	12	16	33	112
Indiana.....	3	94	-----	584	-----	1	160	277	42
Nebraska.....	1	27	-----	81	-----	-----	38	382	3
Virginia.....	5	93	430	458	47	20	62	128	207

1905

August 15, 1919.

ANTHRAX.

Wilmington, Del., and Woburn, Mass.

During the week ended July 26, 1919, one case of anthrax was reported at Wilmington, Del. On July 22, 1919, a case was reported at Woburn, Mass.

CEREBROSPINAL MENINGITIS.

State Reports for June, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Nebraska:	
Crenshaw County.....	1	Lancaster County.....	1
Houston County.....	1		
Lee County.....	1	Virginia:	
Mobile County.....	1	Duchanan County.....	1
Talladega County.....	1	James City County—	
Wilcox County.....	1	Williamsburg.....	1
Total.....	6	Mathews County.....	1
		Middlesex County.....	1
Indiana:		Norfolk County.....	1
Clark County.....	1	Total.....	6
Jay County.....	1		
Lake County.....	1		
Total.....	3		

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Appleton, Wis.....	1		New York, N. Y.....	1	1
Benton Harbor, Mich.....	1		Norfolk, Va.....	1	
Boston, Mass.....	1		Pawtucket, R. I.....	1	
Bridgeport, Conn.....		1	Philadelphia, Pa.....	1	
Chicago, Ill.....		1	Pittsfield, Mass.....	1	
Cleveland, Ohio.....	1	1	Providence, R. I.....	1	1
Colorado Springs, Colo.....	1	1	Rahway, N. J.....	1	
Louisville, Ky.....	1		Richmond, Va.....	1	1
Memphis, Tenn.....		1	San Francisco, Calif.....		1
Milwaukee, Wis.....	4	3			

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 1901; Monthly summaries by States, p. 1904; and Weekly reports from cities, p. 1913.

LEPROSY.

San Francisco, Calif.

During the week ended July 26, 1919, one case of leprosy was reported at San Francisco, Calif.

MALARIA.

State Reports for June, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia—Continued.	
Antauga County.....	15	Halifax County.....	17
Bibb County.....	1	South Boston.....	11
Colbert County.....	2	Hanover County.....	21
Geneva County.....	1	Henrico County—	
Greene County.....	6	Richmond.....	5
Houston County.....	108	Isle of Wight County.....	26
Jackson County.....	1	King and Queen County.....	10
Jefferson County.....	8	Lancaster County.....	3
Lamar County.....	25	Loudoun County.....	3
Limestone County.....	1	Lunenburg County.....	6
Marengo County.....	1	Victoria.....	9
Marshall County.....	1	Mecklenburg County.....	2
Mobile County.....	2	Middlesex.....	32
Montgomery County.....	6	Nansemond County.....	9
Morgan County.....	1	Whaleyville.....	13
Shelby County.....	2	Suffolk.....	3
Sumter County.....	1	Northampton County.....	6
Talladega County.....	1	Cape Charles.....	3
Tuscaloosa County.....	24	Northumberland County.....	11
Walker County.....	6	Pittsylvania County.....	5
Total.....	213	Powhatan County.....	9
Virginia:		Princess Anne County.....	11
Accomac County.....	1	Oceania.....	2
Alleghany County—		Virginia Beach.....	18
Clifton Forge.....	2	Prince Edward County—	
Amherst County—		Farmville.....	1
Woodson.....	2	Prince George County.....	3
Appomattox County.....	13	Hopewell.....	5
Botetourt County.....	17	Prince William County—	
Brunswick County.....	17	Quantico.....	1
Lawrenceville.....	2	Roanoke County—	
Buckingham County.....	3	Salem.....	2
Campbell County.....	13	Shenandoah County.....	1
Caroline County.....	7	Southampton County.....	9
Charles City County.....	3	Franklin.....	2
Chesterfield County.....	2	Sebrell.....	3
Winterpock.....	1	Stafford County—	
Dickenson County—		Falmouth.....	12
Clintwood.....	2	Surry County.....	3
Elizabeth City County—		Sussex County.....	4
Hampton.....	2	Stony Creek.....	4
Essex County.....	5	Warwick County—	
Fluvanna County.....	2	Camp Custis.....	1
Franklin County.....	3	Denhigh.....	5
Giles County.....	1	Washington County.....	6
Greensville County—		Wise County.....	3
North Emporia.....	23	York County.....	1
		Total.....	430

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baton Rouge, La.....	2	.....	Newark, N. J.....	3	.....
Belleville, N. J.....	1	.....	New Orleans, La.....	3	1
Birmingham, Ala.....	1	1	North Little Rock, Ark.....	1	.....
Charleston, S. C.....	.....	1	Paterson, N. J.....	1	.....
Chicago, Ill.....	.....	1	Portsmouth, Va.....	.....	1
Dallas, Tex.....	10	1	Richmond, Va.....	1	.....
East Orange, N. J.....	1	.....	Rome, Ga.....	6	.....
Elgin, Ill.....	2	.....	San Francisco, Calif.....	2	.....
Fort Worth, Tex.....	.....	1	Savannah, Ga.....	3	.....
Little Rock, Ark.....	4	.....	Toledo, Ohio.....	.....	1
Memphis, Tenn.....	3	1	Tuscaloosa, Ala.....	3	.....

MEASLES.

See Telegraphic weekly reports from States, p. 1901; Monthly summaries by States, p. 1904; and Weekly reports from cities, p. 1913.

1907

August 15, 1919.

PELLAGRA.**State Reports for June, 1919.**

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia—Continued.	
Colbert County.....	1	Hanover County.....	1
Conecuh County.....	1	Henrico County—	
Geneva County.....	2	Glen Allen.....	1
Jefferson County.....	7	Richmond.....	3
Mobile County.....	21	Henry County—	
Monroe County.....	2	Martinsville.....	1
Montgomery County.....	8	Isle of Wight County.....	1
Randolph County.....	1	Loudoun County—	
Talladega County.....	3	Leesburg.....	1
Tuscaloosa County.....	11	Mathews County.....	1
Walker County.....	2	Northampton County.....	4
Total.....	59	Patrick County.....	1
Virginia:		Pittsylvania County—	
Alexandria County.....	1	Danville.....	1
Alleghany County—		Powhatan County.....	1
Clifton Forge.....	1	Scott County.....	1
Augusta County.....	1	Southampton County.....	1
Buckingham County.....	1	Seabell.....	1
Chesterfield County—		Spottsylvania County—	
Winterpock.....	1	Fredericksburg.....	1
Dinwiddie County.....	1	Surry County.....	6
Elizabeth City County—		Sussex County.....	1
Hampton.....	2	Wise County.....	2
Essex County.....	2	Total.....	47
Greensville County.....	6		
North Emporia.....	2		

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Austin, Tex.....		1	Los Angeles, Calif.....	1	
Birmingham, Ala.....		1	Macon, Ga.....		1
Charleston, S. C.....		1	Memphis, Tenn.....		1
Charlotte, N. C.....		1	Montgomery, Ala.....	1	
Dallas, Tex.....	8		Nashville, Tenn.....	1	1
Fort Worth, Tex.....		1	New Orleans, La.....	1	
Lexington, Ky.....		1	Tuscaloosa, Ala.....	2	
Little Rock, Ark.....	1				

PLAGUE-INFECTED GROUND SQUIRRELS.**Alameda County, Calif.**

On July 17, 1919, a plague-infected ground squirrel was reported found in Alameda County, Calif. Another one was reported found on July 18, 1919. Diagnoses were based on animal inoculation and cultures. Intensive hunting and poisoning operations are being carried on.

PNEUMONIA.

City Reports for Week Ended July 26, 1919.

Place.	Lobar.		All forms.		Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.		Cases.	Deaths.	Cases.	Deaths.
Anderson, Ind.		1			Martins Ferry, Ohio		1		
Arlington, Mass.	1	1			Memphis, Tenn.		1		
Atlanta, Ga.		3			Minneapolis, Minn.		2		
Baltimore, Md.	1	1			Newark, N. J.	3	4		
Birmingham, Ala.		2			New Bedford, Mass.	1	1		
Boston, Mass.	5	1			New Orleans, La.		1		
Bridgeport, Conn.		1			New York, N. Y.			9	62
Buffalo, N. Y.		1			Oakland, Calif.		2		
Cairo, Ill.		1			Oak Park, Ill.		1		
Charlotte, N. C.		1			Omaha, Nebr.				2
Chicago, Ill.			55	27	Orange, N. J.		1		
Cincinnati, Ohio		1			Oshkosh, Wis.		1		
Cleveland, Ohio	5	5			Pateron, N. J.	18			
Columbus, Ga.	2				Pawtucket, R. I.		1		
Dayton, Ohio	1	1			Philadelphia, Pa.	17	4		
Denver, Colo.		1		3	Portland, Oreg.				1
Detroit, Mich.	1	6	3	11	Portsmouth, Va.		1		
East Chicago, Ind.				1	Providence, R. I.		2		
Elizabeth, N. J.		1			Racine, Wis.		1		
Elmira, N. Y.				1	Richmond, Va.		3		
Everett, Mass.			1		Rochester, N. Y.	1	1		
Fort Worth, Tex.		4			Rockford, Ill.		1		
Fresno, Calif.		1			Rome, N. Y.	3	1		
Grand Rapids, Mich.	1				Salt Lake City, Utah		1		
Holyoke, Mass.	1	1			San Francisco, Calif.	5	7		
Jersey City, N. J.		2			Santa Cruz, Calif.	1			
Johnstown, N. Y.	1	1			Savannah, Ga.		1		
La Crosse, Wis.	1	1			Schenectady, N. Y.	2			
Lawrence, Kans.	1				Springfield, Ill.		1		
Lexington, Mass.	1				Terre Haute, Ind.		1		
Lexington, Ky.		1			Topeka, Kans.	1			
Los Angeles, Calif.	1				Trenton, N. J.	1			
Lowell, Mass.	1				Troy, N. Y.		1		
Lynn, Mass.	1	1			Washington, D. C.		2		
Madison, Wis.		2			Wheeling, W. Va.				1
Malden, Mass.	1				Yonkers, N. Y.	1	1		
Mankato, Minn.				1					

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for June, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia—Continued.	
Jefferson County	8	Elizabeth City County—	
Pike County	1	Hampton	2
Tuscaloosa County	1	Phoebus	5
Walker County	2	Hanover County	2
Total	12	Henrico County—	
Indiana:		Richmond	1
Switzerland County	1	Lee County	1
Virginia:		Washington County	1
Culpeper County	2	Total	20
Dickenson County	4		
Clintwood	2		

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	4	2	Marinette, Wis.....	.....	1
Charleston, W. Va.....	2	2	Milwaukee, Wis.....	22	2
Chicago, Ill.....	8	1	Natick, Mass.....	1	.....
Cleveland, Ohio.....	1	.....	Omaha, Nebr.....	5	.....
Flint, Mich.....	1	.....	Pontiac, Mich.....	3	2
Fond du Lac, Wis.....	1	.....	Richmond, Va.....	1	.....
Janesville, Wis.....	1	.....	Topeka, Kans.....	1	.....
Kenosha, Wis.....	1	.....			

RABIES IN ANIMALS.

City Reports for Week Ended July 26, 1919.

During the week ended July 26, 1919, three cases of rabies in animals were reported at Akron, Ohio, and one at Chillicothe, Ohio.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 1901; Monthly summaries by States, p. 1904; and Weekly reports from cities, p. 1913.

SMALLPOX.

State Reports for June, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Indiana—Continued.		
Chilton County.....	1	.....	Sullivan County.....	1	.....
Clarke County.....	2	.....	Switzerland County.....	3	.....
Colbert County.....	1	1	Tippecanoe County.....	10	.....
DeKalb County.....	1	.....	Tipton County.....	3	.....
Jefferson County.....	6	.....	Vernillion County.....	4	.....
Mobile County.....	18	1	Vigo County.....	1	.....
Morgan County.....	2	.....	Wells County.....	5	.....
Talladega County.....	1	.....	White County.....	5	.....
Wilcox County.....	1	.....			
Total.....	33	2	Total.....	277	.....
Indiana:			Nebraska:		
Allen County.....	11	.....	Adams County.....	2	.....
Boone County.....	1	.....	Antelope County.....	1	.....
Cass County.....	53	.....	Box Butte County.....	5	.....
Dearborn County.....	14	.....	Boyd County.....	1	.....
Delaware County.....	5	.....	Buffalo County.....	24	.....
Elkhart County.....	4	.....	Burt County.....	1	.....
Fayette County.....	3	.....	Cass County.....	3	.....
Floyd County.....	1	.....	Cherry County.....	2	.....
Fountain County.....	1	.....	Cheyenne County.....	1	.....
Fulton County.....	2	.....	Clay County.....	13	.....
Grant County.....	6	.....	Custer County.....	54	.....
Hamilton County.....	7	.....	Dixon County.....	1	.....
Hendricks County.....	1	.....	Douglas County.....	81	.....
Henry County.....	9	.....	Franklin County.....	2	.....
Howard County.....	8	.....	Furnas County.....	1	.....
Huntington County.....	2	.....	Gage County.....	15	.....
Jennings County.....	3	.....	Jefferson County.....	4	.....
Johnson County.....	1	.....	Keith County.....	1	.....
Knox County.....	4	.....	Lancaster County.....	117	.....
Kosciusko County.....	1	.....	Otoe County.....	1	.....
Lake County.....	3	.....	Phelps County.....	4	.....
LaPorte County.....	14	.....	Richardson County.....	23	.....
Lawrence County.....	6	.....	Saline County.....	1	.....
Madison County.....	50	.....	Saunders County.....	19	.....
Marion County.....	9	.....	Sheridan County.....	1	.....
Ohio County.....	3	.....	Stanton County.....	1	.....
Parke County.....	2	.....	Thomas County.....	1	.....
Randolph County.....	2	.....	Wayne County.....	1	.....
Ripley County.....	10	.....	York County.....	1	.....
Shelby County.....	4	.....			
St. Joseph County.....	5	.....	Total.....	382	.....

SMALLPOX—Continued.

State Reports for June, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Virginia:			Virginia—Continued.		
Accomac County.....	10	.....	Nottoway County—		
Albemarle County—			Blackstone.....	2	.....
Charlottesville.....	2	.....	Pittsylvania County—		
Alleghany County—			Danville.....	1	.....
Clifton Forge.....	2	.....	Princess Anne County.....	1	.....
Covington.....	8	.....	Pulaski County.....	1	.....
Bath County.....	10	.....	Roanoke County.....	21	.....
Bedford County.....	1	.....	Vinton.....	1	.....
Buchanan County.....	1	.....	Rockbridge County—		
Campbell County.....	4	.....	Glasgow.....	1	.....
Chesterfield County.....	7	.....	Scott County.....	8	.....
Franklin County.....	1	.....	Sussex County.....	2	.....
Henrico County—			Tazewell County—		
Richmond.....	1	.....	Pocahontas.....	2	.....
Henry County.....	4	.....	Warren County—		
Isle of Wight County.....	10	.....	Front Royal.....	5	.....
Loudoun County.....	1	.....	Warwick County—		
Louisa County—			Denbigh.....	1	.....
Louisa.....	3	.....	Washington County.....	10	.....
Lunenburg County.....	3	.....			
Mathews County.....	2	.....	Total.....	138	.....
Montgomery County.....	1	.....			
Norfolk County.....	9	.....			
Portsmouth.....	2	.....			

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Aberdeen, Wash.....	2	.....	Lincoln, Nebr.....	2	.....
Anniston, Ala.....	1	.....	Logansport, Ind.....	6	.....
Appleton, Wis.....	1	.....	Los Angeles, Calif.....	1	.....
Atlanta, Ga.....	6	.....	Madison, Wis.....	1	.....
Battle Creek, Mich.....	1	.....	Marquette, Mich.....	1	.....
Beatrice, Nebr.....	1	.....	Memphis, Tenn.....	1	.....
Bellingham, Wash.....	1	.....	Milwaukee, Wis.....	3	.....
Birmingham, Ala.....	1	.....	Minneapolis, Minn.....	6	.....
Boise, Idaho.....	1	.....	Morgantown, W. Va.....	3	.....
Buffalo, N. Y.....	3	.....	Oakland, Calif.....	2	.....
Chanute, Kans.....	1	.....	Omaha, Nebr.....	3	.....
Cincinnati, Ohio.....	1	.....	Portland, Oreg.....	27	.....
Cleveland, Ohio.....	5	.....	Portsmouth, Ohio.....	1	.....
Dallas, Tex.....	6	.....	Roanoke, Va.....	4	.....
Danville, Ill.....	1	.....	Rock Island, Ill.....	1	.....
Davenport, Iowa.....	5	.....	Rome, Ga.....	1	.....
Denver, Colo.....	3	.....	St. Paul, Minn.....	3	.....
Detroit, Mich.....	4	.....	Salt Lake City, Utah.....	1	.....
Duluth, Minn.....	2	.....	San Francisco, Calif.....	5	.....
El Paso, Tex.....	4	.....	San Jose, Calif.....	1	.....
Eureka, Calif.....	2	.....	Seattle, Wash.....	21	.....
Fort Worth, Tex.....	3	.....	Sporano, Wash.....	3	.....
Grand Rapids, Mich.....	1	.....	Tacoma, Wash.....	1	.....
Hoquiam, Wash.....	4	.....	Tulsa, Okla.....	1	.....
Hutchinson, Kans.....	1	.....	Wichita, Kans.....	1	.....
Independence, Mo.....	3	.....	Winston-Salem, N. C.....	1	.....
Indianapolis, Ind.....	2	.....	Yakima, Wash.....	4	.....
Knoxville, Tenn.....	3	.....	Youngstown, Ohio.....	10	.....
La Fayette, Ind.....	4	1			

TETANUS.

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.....	2	1	Milwaukee, Wis.....		1
Detroit, Mich.....	2	1	Newark, N. J.....	1	.....
Kansas City, Kans.....	1	.....	New Orleans, La.....		1
Los Angeles, Calif.....	1	.....	Rochester, N. Y.....	1	.....
Macon, Ga.....		1	Wilmington, N. C.....		1
Memphis, Tenn.....	1	1			

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 1901, and weekly reports from cities, p. 1913.

TYPHOID FEVER.

State Reports for June, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia—Continued.	
Barbour County.....	1	Amelia County.....	5
Bullock County.....	2	Amherst County.....	1
Calhoun County.....	2	Woodson.....	1
Chambers County.....	1	Appomattox County.....	5
Chilton County.....	5	Augusta County.....	7
Coffee County.....	3	Staunton.....	2
Colbert County.....	4	Bath County—	
Crenshaw.....	3	Williamsville.....	1
Cullman County.....	1	Bedford County.....	4
Etowah County.....	1	Botetourt County.....	3
Fayette County.....	1	Brunswick County.....	2
Geneva County.....	3	Buchanan County.....	1
Greene County.....	1	Buckingham County.....	1
Henry County.....	3	Campbell County.....	3
Jackson County.....	1	Caroline County.....	6
Jefferson County.....	29	Carroll County.....	2
Lamar County.....	3	Clarke County—	
Lawrence County.....	2	White Post.....	1
Lee County.....	1	Dickenson County—	
Limestone County.....	1	Clintwood.....	2
Marion County.....	1	Dinwiddie County—	
Marshall County.....	1	Carson.....	3
Mobile County.....	12	Elizabeth City County—	
Monroe County.....	2	Hampton.....	1
Montgomery County.....	8	Phoenix.....	1
Morgan County.....	0	Essex County.....	8
Pickens County.....	2	Floyd County.....	6
Pike County.....	6	Franklin County.....	1
Randolph County.....	5	Frederick County.....	1
Sumter County.....	1	Winchester.....	3
Talladega County.....	2	Grayson County.....	5
Tallapoosa County.....	1	Elk Creek.....	2
Tuscaloosa County.....	3	Greensville County—	
Total.....	112	North Emporia.....	1
Indiana:		Isle of Wight County—	
Adams County.....	1	Carrsville.....	1
Blackford County.....	1	Dendron.....	1
Cass County.....	1	James City County—	
Clark County.....	5	Williamsburg.....	2
Decatur County.....	1	King and Queen County.....	4
Elkhart County.....	1	Halifax.....	2
Gibson County.....	2	South Boston.....	1
Howard County.....	3	Hanover County.....	4
Huntington County.....	2	Henrico County—	
Kosciusko County.....	1	Richmond.....	6
Lake County.....	9	Henry County.....	4
Marion County.....	4	Lancaster County—	
Perry County.....	1	Irrington.....	1
Scott County.....	1	Lee County.....	5
St. Joseph County.....	5	Loudoun County.....	1
Union County.....	1	Louisa County.....	1
Vanderburg County.....	1	Mineral.....	5
Warriek County.....	1	Lunenburg County.....	3
White County.....	1	Madison County.....	2
Total.....	42	Mecklenburg County.....	1
Missouri:		Middlesex County.....	1
Cedar County.....	1	Montgomery County.....	1
Seward County.....	2	Ellisburg.....	1
Total.....	3	Radford.....	6
Virginia:		Nausmond County.....	6
Accomac County.....	1	Nelson County.....	1
Albemarle County.....	2	Princeton.....	1
Charlottesville.....	1	Tyro.....	1
Alexandria County—		Norfolk County.....	10
Alexandria.....	1	Norfolk.....	1
Alleghany County—		Portsmouth.....	6
Clifton Forge.....	1	Northampton County.....	10
Covington.....	1	Cape Charles.....	11
		Franktown.....	2
		Northumberland County.....	1
		Nottoway County—	
		Blackstone.....	2
		Orange County.....	2
		Gordonsville.....	2

TYPHOID FEVER—Continued.
State Reports for June, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
Virginia—Continued.		Virginia—Continued.	
Patrick County.....	7	Southampton County.....	17
Pittsylvania County—		Drewryville.....	2
Danville.....	2	Newsoms.....	1
Powhatan County.....	3	Sebrell.....	3
Princess Anne County.....	9	Sedley.....	1
Prince Edward County—		Tazewell County—	
Prospect.....	1	Pocahontas.....	2
Roanoke County—		Warwick County—	
Roanoke.....	2	Lee Hall.....	1
Salem.....	2	Newport News.....	4
Rockbridge County—		Washington County.....	2
Buena Vista.....	2	Abingdon.....	1
Rockingham County.....	13	Wise County.....	4
Harrisonburg.....	1	Coeburn.....	1
Dayton.....	1	Exeter.....	1
Russell County—		Inman.....	1
Belfast Mills.....	1	Roaring Fork.....	1
Dante.....	2	Toms Creek.....	1
Scott County—		Wythe County.....	2
Nickelsville.....	2	York County.....	1
Shenandoah County.....	3		
Smyth County.....	5	Total.....	297

City Reports for Week Ended July 26, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	3		Memphis, Tenn.....	6	3
Alton, Ill.....	1		Milwaukee, Wis.....	1	3
Asbury Park, N. J.....	2		Mobile, Ala.....	1	
Atlanta, Ga.....	2		Montgomery, Ala.....	3	
Baltimore, Md.....	18		Nashville, Tenn.....	8	
Baton Rouge, La.....	1	1	New Britain, Conn.....	1	
Battle Creek, Mich.....	1		New Haven, Conn.....	1	
Bedford, Ind.....	1		New Orleans, La.....	5	
Birmingham, Ala.....	2	1	New York, N. Y.....	10	1
Bloomfield, N. J.....	2		Norfolk, Va.....	1	
Buffalo, N. Y.....	1	1	North Little Rock, Ark.....	1	
Canton, Ohio.....	1		North Tonawanda, N. Y.....	2	1
Charleston, W. Va.....	1		Oklahoma City, Okla.....	4	1
Charlotte, N. C.....	9		Parsons, Kans.....	1	
Chicago, Ill.....	11		Pawtucket, R. I.....	1	1
Cincinnati, Ohio.....	1		Philadelphia, Pa.....	12	2
Cleveland, Ohio.....	1		Pocatello, Idaho.....	1	
Coffeyville, Kans.....	3	1	Pomona, Calif.....	8	1
Colorado Springs, Colo.....	1		Port Chester, N. Y.....	2	
Columbus, Ga.....	3		Portland, Me.....	4	
Covington, Ky.....	1		Portland, Oreg.....	1	
Cumberland, Md.....	1		Portsmouth, Va.....	2	2
Dallas, Tex.....	2		Poughkeepsie, N. Y.....	1	1
Dayton, Ohio.....	3		Providence, R. I.....	5	2
Denver, Colo.....	1		Quincy, Mass.....	2	1
Detroit, Mich.....	16	3	Reno, Nev.....	2	
Durham, N. C.....	1		Richmond, Va.....	4	1
East Chicago, Ind.....		2	Roanoke, Va.....	2	
East St. Louis, Ill.....	1		Rochester, N. Y.....	4	
Elgin, Ill.....	1		Rome, Ga.....	1	
Elmira, N. Y.....	2		St. Joseph, Mo.....	3	
Flint, Mich.....	2		St. Louis, Mo.....	7	1
Fort Worth, Tex.....	3	2	St. Paul, Minn.....	1	
Grand Rapids, Mich.....	1		Salt Lake City, Utah.....	1	
Great Falls, Mont.....	1		San Francisco, Calif.....	2	2
Hammond, Ind.....	1		Savannah, Ga.....	3	
Haverhill, Mass.....	1	1	Schenectady, N. Y.....	1	
Houston, Tex.....	3		Spartanburg, S. C.....	1	
Hutchinson, Kans.....	4		Spokane, Wash.....	2	
Independence, Mo.....	3		Springfield, Ohio.....	1	
Indianapolis, Ind.....	2	1	Terre Haute, Ind.....	2	
Kansas City, Kans.....	1		Topeka, Kans.....		1
Knoxville, Tenn.....	2	1	Trenton, N. J.....	1	
Lawrence, Mass.....	1		Tulsa, Okla.....	16	
Leominster, Mass.....	1	1	Tuscaloosa, Ala.....	1	
Little Rock, Ark.....	1		Waco, Tex.....	6	
Los Angeles, Calif.....	7		Washington, D. C.....	4	
Louisville, Ky.....	10	3	Wichita, Kans.....	1	
Lynn, Mass.....	2		Wilmington, N. C.....	1	
Macon, Ga.....	6		Winston-Salem, N. C.....	3	
Martinsburg, W. Va.....	2		Youngstown, Ohio.....	1	

TYPHUS FEVER.

Baltimore, Md.

During the week ended July 26, 1919, one case of typhus fever was reported at Baltimore, Md.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended July 26, 1919.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, Wash.	21,392						4			
Abilene, Tex.	14,954		1							
Adams, Mass.	14,406	3								
Adrian, Mich.	11,570	3								
Akron, Ohio.	93,004	17			3		2		14	
Alameda, Calif.	28,433	5	2		1				2	2
Albany, N. Y.	106,632				1		2		2	
Alton, Ill.	23,783		1							
Anderson, Ind.	24,230	5								
Ansonia, Conn.	16,954	3							1	1
Appleton, Wis.	18,005						1			
Arlington, Mass.	13,073	6	1							
Asbury Park, N. J.	14,629	8					1			
Atchison, Kans.	16,785		1						1	
Atlanta, Ga.	196,144	39			2		1		2	2
Atlantic City, N. J.	59,515	12	1		4		1		7	1
Attleboro, Mass.	19,776	2			4		1		1	
Austin, Tex.	35,612	16							1	1
Bakersfield, Calif.	17,543	4								
Baltimore, Md.	594,637	200	15	1	4		10		27	22
Baton Rouge, La.	17,544	3			4		3			
Battle Creek, Mich.	33,159		2				1			
Bayonne, N. J.	72,204		3				1		2	
Beatrice, Nebr.	10,437	3								
Beaumont, Tex.	28,851	9								
Bedford, Ind.	10,613	1					1			
Beloit, Wis.	18,547	5							1	
Beniton Harbor, Mich.	11,099	3								
Berkeley, Calif.	60,427	2	2				1			
Berlin, N. H.	13,892	4								1
Beverly, Mass.	22,128	2								
Biddleford, Me.	17,760	7								
Binghamton, N. Y.	54,864	7					3		3	
Birmingham, Ala.	189,716	51	2	1			5		8	7
Bloomfield, N. J.	19,013		1		1		2		1	
Boise, Idaho.	35,951	9								
Boston, Mass.	767,613	155	42		15	1	9		35	15
Brazil, Ind.	10,472	5								
Bridgeport, Conn.	124,724	28	2		2	1	1		6	6
Bristol, Conn.	16,818	1								
Brockton, Mass.	69,152	5	1	1	6				3	
Brookline, Mass.	33,526	9							2	1
Brunswick, Ga.	10,984	5							1	
Buffalo, N. Y.	475,781	122	41	2	10		9		28	8
Burlington, Iowa.	25,144	2					2			
Burlington, Vt.	21,802	5	1							1
Butte, Mont.	44,057		1				2			
Cadillac, Mich.	10,158	4	4	1						
Calro, Ill.	15,996	7								
Cambridge, Mass.	114,293	23	2		5		3		1	
Camden, N. J.	108,117		1						3	
Canton, Ohio.	62,566	12	3						1	2
Chanute, Kans.	12,968	1								
Charleston, S. C.	61,041	20								8
Charleston, W. Va.	81,080	10	2							
Charlotte, N. C.	40,759	15			2				3	1
Chelsea, Mass.	48,405	9	1	1					1	1
Cheyenne, Wyo.	11,320	1							1	1
Chicago, Ill.	2,547,201	501	75	8	114	4	21	1	253	61
Chicopee, Mass.	29,950	5	2							3
Chillicothe, Ohio.	15,625	4								
Cincinnati, Ohio.	414,248	91	2		19		8		28	7

¹Population Apr. 15, 1910.

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

City Reports for Week Ended July 26, 1919—Continued.

City.	Popula- tion as of July 1, 1917 (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.
Cleveland, Ohio.....	692,259	146	21	1	27		4		19	19
Clinton, Iowa.....	27,678		1							
Clinton, Mass.....	113,075	1								1
Coffeyville, Kans.....	18,331								1	1
Cohoes, N. Y.....	25,292	6								1
Colorado Springs, Colo.....	38,965	15			1				18	6
Columbia, S. C.....	35,165		1						2	
Columbus, Ga.....	26,306	11	3	1	3				1	2
Columbus, Ohio.....	220,135	60	3		2		2		4	5
Concord, N. H.....	22,858	8							1	1
Covington, Ky.....	59,623	11	1							1
Cranston, R. I.....	26,773	3								
Cumberland, Md.....	26,683	6	1				2			1
Dallas, Tex.....	129,738	31							2	1
Danbury, Conn.....	22,931	11	1							
Danvers, Mass.....	10,037	0	1						1	
Danville, Ill.....	32,969									
Danville, Va.....	20,183		1				1			
Davenport, Iowa.....	49,618		1				2		2	
Dayton, Ohio.....	128,939	28			1	1	2		6	1
Decatur, Ill.....	41,483	10	5	1						
Dedham, Mass.....	10,618	0	1							
Denver, Colo.....	268,439	68	3	1	5		1			17
Des Moines, Iowa.....	104,052		1							
Detroit, Mich.....	619,648	158	24	4	34	1	11	1	61	22
Dover, N. H.....	13,276	6	1							
Dubuque, Iowa.....	40,093									1
Duluth, Minn.....	97,077					1	1		3	1
Durham, N. C.....	25,160	17			6		1		1	
East Chicago, Ind.....	30,283	9								
East Cleveland, Ohio.....	13,864						1			
Easthampton, Mass.....	10,633								1	
East Orange, N. J.....	43,701	6	1				2		3	
East St. Louis, Ill.....	77,312	16								2
Elgin, Ill.....	28,562	3			1				8	2
Elizabeth, N. J.....	88,830		1						3	
Elmira, N. Y.....	38,272	11	2		1					
El Paso, Tex.....	69,149	27			2					7
Englewood, N. J.....	12,603	2							1	
Eureka, Cal.....	15,142	2			1					
Evanston, Ill.....	29,304				1					1
Everett, Mass.....	40,160	9							3	3
Everett, Wash.....	37,205				1					
Fargo, N. Dak.....	17,872	3							1	
Findlay, Ohio.....	14,858	3							3	2
Flint, Mich.....	57,386	9	15		1					
Fond du Lac, Wis.....	21,485	2					1			
Fort Scott, Kans.....	10,564	4								1
Fort Wayne, Ind.....	78,014	18							6	1
Fort Worth, Tex.....	109,597	39	2	1						
Fostoria, Ohio.....	10,959	4								
Frammingham, Mass.....	14,149	5					1		1	
Freeport, Ill.....	19,844	5								
Fremont, Nebr.....	10,080	3								
Fremont, Ohio.....	11,034	4								
Fresno, Calif.....	35,314	7								1
Galesburg, Ill.....	24,629	5								
Gloucester City, N. J.....	11,375		1		2				1	
Grand Rapids, Mich.....	132,831	25	1		1				1	2
Great Falls, Mont.....	13,048	8								
Green Bay, Wis.....	30,017	13								3
Greenfield, Mass.....	12,251	2					1			
Greensboro, N. C.....	20,171	6								2
Greenwich, Conn.....	19,594								1	
Hackensack, N. J.....	17,412	1								
Hammond, Ind.....	27,016	9			5					
Harrison, N. J.....	17,345		1							
Hartford, Conn.....	112,851	27	6				1			
Haverhill, Mass.....	49,180	10	3	1					3	
Hibbing, Minn.....	17,550		2							
Highland Park, Mich.....	33,859	5	1		9		1			
Hoboken, N. J.....	78,324	8	2						4	

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended July 26, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Holland, Mich.	12,459	3								
Holyoke, Mass.	66,503	13			1		3		2	
Hoquiam, Wash.	12,230		1				2			
Houston, Tex.	116,878	22	2							2
Hudson, N. Y.	12,868	5								
Independence, Mo.	11,964	3								
Indianapolis, Ind.	283,622	72	5	1	4		1		8	6
Ironwood, Mich.	15,095	7					1		2	2
Irrington, N. J.	16,710						1		1	
Ithaca, N. Y.	16,017	3								
Jamestown, N. Y.	37,431	6	1		3				3	1
Janesville, Wis.	14,411	4								
Jersey City, N. J.	312,557		19	1	3		1		14	7
Johnstown, N. Y.	10,678	2								
Joplin, Mo.	33,400	4							1	
Kalamazoo, Mich.	50,408	13	2		4		2		1	
Kankakee, Ill.	14,270	3	1		1					
Kansas City, Kans.	102,096	2			1				3	
Kearny, N. J.	24,325	3							4	
Kenosha, Wis.	32,633	8	1		1	1	2			
Knoxville, Tenn.	59,112						1		4	4
Kokomo, Ind.	21,929	11							3	1
Lackawanna, N. Y.	16,219	6	1		1				2	
La Crosse, Wis.	31,835	8								1
La Fayette, Ind.	21,481	6							1	1
Lancaster, Ohio	16,086	5							1	
Lawrence, Mass.	102,923	18					2		6	2
Leavenworth, Kans.	19,363								1	
Leominster, Mass.	21,865	3			2					
Lexington, Ky.	41,997	26	1							3
Lima, Ohio	37,145	9			2				1	
Lincoln, Nebr.	49,657	4			1					
Little Rock, Ark.	58,716	10							1	2
Lockport, N. Y.	20,028	5					1			
Logansport, Ind.	21,338	7			1					
Long Beach, Calif.	29,163	14			2				1	
Long Branch, N. J.	15,733	2	1		1				1	1
Lorain, Ohio	38,266	8			1				1	
Los Angeles, Calif.	535,485	127	20		3		3		57	25
Louisville, Ky.	240,808	66	2						9	8
Lowell, Mass.	114,366	18	1	1	1		2		7	
Lynchburg, Va.	33,497	8					1		1	
Lynn, Mass.	104,534	17	3				2		3	2
Macon, Ga.	46,099	25								2
Madison, Wis.	31,315	12	1							1
Malden, Mass.	52,243	5			1		3		2	1
Manchester, Conn.	15,859	1								
Manchester, N. H.	79,607	22	3							3
Mankato, Minn.	10,365	3								
Marinette, Wis.	14,610	3					1			
Marion, Ind.	19,923	3					1			
Marion, Ohio	24,129								2	
Marlboro, Mass.	15,285	3			3				1	1
Marquette, Mich.	12,555	3			10				1	1
Martins Ferry, Ohio	10,135	2								1
Mason City, Iowa	14,938	7								
Medford, Mass.	26,681	8								1
Melrose, Mass.	17,724	5			3					
Memphis, Tenn.	151,877	12	1		1		1		4	4
Methuen, Mass.	14,320	5							1	
Middletown, N. Y.	15,890		1				4			
Middletown, Ohio	16,384	4					1		2	1
Millford, Mass.	14,280	2								
Milwaukee, Wis.	445,008	95	8	1	7		14		21	5
Minneapolis, Minn.	373,443	75	10	3	5		6		24	11
Missoula, Mont.	19,075	5							2	
Mobile, Ala.	59,201	10					1		1	
Moline, Ill.	27,976		1						1	
Montgomery, Ala.	44,039	14							2	
Morgantown, W. Va.	14,444	2			2					
Morristown, N. J.	13,410	3								
Moundsville, W. Va.	11,513	2								

¹ Population April 15, 1910.

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

City Reports for Week Ended July 26, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Mount Vernon, N. Y.	37,991	12	1						1	1
Muscatine, Iowa.	17,713						1			
Nashua, N. H.	27,541	7					2			
Nashville, Tenn.	118,136	40					2		8	5
Natick, Mass.	10,140	4								
Newark, N. J.	418,789	97	19	1	3		5		25	12
New Bedford, Mass.	121,622	30	3	2	9		2		3	2
New Britain, Conn.	55,385	11			2		2		8	1
New Brunswick, N. J.	25,855		1						2	
Newburyport, Mass.	15,291	8								
New Haven, Conn.	152,275	19	1		2		1		7	1
New London, Conn.	21,199	8	1						2	
New Orleans, La.	377,01	112	4			1			16	14
Newport, Ky.	32,133	9							1	1
Newport, R. I.	30,555	7					1			2
Newton, Mass.	41,345	6	1							
New York, N. Y.	5,737,432	1,021	131	7	84	2	31	1	211	116
Niagara Falls, N. Y.	38,455	9	9	1	15		2		6	1
North Adams, Mass.	122,019	3								
Northampton, Mass.	29,006	7					1		1	
North Attleboro, Mass.	11,248	1	1							1
North Little Rock, Ark.	15,515	6								2
North Tonawanda, N. Y.	14,080								1	
Norwalk, Conn.	27,332								1	
Norwich, Conn.	21,923									2
Norwood, Ohio.	23,269	2							2	1
Oakland, Calif.	206,405	37	8	1			3		6	1
Oak Park, Ill.	27,816	15	1		2					
Ogdensburg, N. Y.	16,845	2								
Oklahoma City, Okla.	97,558	15	1				1			
Olean, N. Y.	16,927	3								1
Omaha, Nebr.	177,777	22								3
Orange, Conn.	14,393	7							3	4
Orange, N. J.	33,635	7	1		1				1	1
Oshkosh, Wis.	36,540	8							1	1
Parkersburg, W. Va.	21,059	4							1	2
Parsons, Kans.	15,952								2	
Pasadena, Calif.	49,620	8							2	1
Passaic, N. J.	74,478	8							1	
Paterson, N. J.	147,512		1				3		5	
Pawtucket, R. I.	69,666	18					2			1
Peoria, Ill.	72,184	18	1		1				3	1
Perth Amboy, N. J.	42,646	8							2	
Philadelphia, Pa.	1,735,514	353	52	3	63	2	15	1	86	42
Phillipsburg, N. J.	15,879	4	1							
Pine Bluff, Ark.	17,777		1							
Piqua, Ohio.	14,275	2							1	1
Pittsburgh, Pa.	586,196		16		6		7		21	
Pittsfield, Mass.	30,678	7			2				2	1
Plainfield, N. J.	24,330	5			5				2	2
Plattsburg, N. Y.	13,111	2								1
Plymouth, Mass.	14,031	4								
Pocatello, Idaho.	12,806						2			
Pontiac, Mich.	18,006	7			8				4	
Port Chester, N. Y.	16,727	3			1				1	
Portland, Me.	64,720	15					5			1
Portland, Oreg.	308,399	44	3	1	1		4		12	1
Portsmouth, Ohio.	29,356								1	
Portsmouth, Va.	49,693	27			1				2	1
Poughkeepsie, N. Y.	30,786								3	1
Providence, R. I.	259,895	41	5		1		5			2
Quincy, Mass.	39,022	5					3			1
Racine, Wis.	47,435	10			2				3	2
Rahway, N. J.	10,361	1								
Redlands, Calif.	14,573	3								
Reno, Nev.	15,514	2								
Richmond, Va.	158,702	53	4	1	3				11	8
Riverside, Calif.	20,496	4	4							1
Roanoke, Va.	46,282	16								
Rochester, N. Y.	264,714	63	3		2		5		9	3
Rockford, Ill.	56,739	15	2				1			3
Rock Island, Ill.	29,432	6								

* Population April 15, 1910.

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

City Reports for Week Ended July 26, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Rocky Mount, N. C.	12,673	5							1	1
Rome, Ga.	15,607		2							
Rome, N. Y.	24,259								1	
Butland, Vt.	15,038	1								
Sacramento, Calif.	68,984	14	2						6	3
Saint Cloud, Minn.	12,013								1	
Saint Joseph, Mo.	86,498	25	3							3
Saint Louis, Mo.	768,630	166	43	4	27		5		26	10
Saint Paul, Minn.	252,465	41	16	1	2		2		12	6
Salem, Mass.	49,346	13	1				1			1
Salt Lake City, Utah.	121,623	31	2							2
San Bernardino, Calif.	17,616	4								2
San Diego, Calif.	56,412	24							1	2
Sandusky, Ohio.	20,226	10			2					
Sanford, Me.	11,217	1							2	
San Francisco, Calif.	471,023	143	2		6		7		20	14
Santa Cruz, Calif.	15,150	4								
Saratoga Springs, N. Y.	13,839	3							1	1
Saugus, Mass.	10,210	2			3		1			
Sault Ste. Marie, Mich.	14,130		1							
Savannah, Ga.	69,250	30	3	2			1		4	4
Schenectady, N. Y.	103,774	14	2		2				3	1
Seattle, Wash.	366,445		5		6		11			
Somerville, Mass.	85,618	13	2				1		5	1
South Bend, Ind.	70,967	15								2
Southbridge, Mass.	14,465	1								
Spartanburg, S. C.	21,985	6	2							
Spokane, Wash.	157,666				7		5			
Springfield, Ill.	62,623	20					2			
Springfield, Mass.	108,668	38	1				1		3	3
Springfield, Mo.	41,169	7								
Springfield, Ohio.	52,266	8							2	
Staubenville, Ohio.	28,259	4	1							
Stockton, Calif.	36,209	14					1			
Superior, Wis.	47,167	2					1			
Syracuse, N. Y.	158,559	25			1		2		1	2
Tacoma, Wash.	117,446		6				1			
Taunton, Mass.	36,610	9							1	2
Terre Haute, Ind.	67,361	12								1
Toledo, Ohio.	202,010	56	2	1	55	1	7		15	4
Topeka, Kans.	49,538	13	1						5	2
Trenton, N. J.	113,974	42			11				7	4
Troy, N. Y.	78,094	25	1						8	3
Tulsa, Okla.	32,507								1	
Tuscaloosa, Ala.	10,824	2	1						2	
Vallejo, Calif.	13,803	2								
Waco, Tex.	34,015	7								2
Walden, Mass.	12,947	1								
Waltham, Mass.	31,011	6	3		6					
Washington, D. C.	366,282		7	1	1		1		17	8
Watertown, N. Y.	30,404		4				2		2	
Wausau, Wis.	19,666	3							4	1
Webster, Mass.	13,484	3								
Westfield, Mass.	18,769	3	3						1	
West Hoboken, N. J.	44,386	2								1
West New York, N. J.	19,613	2							1	
West Orange, N. J.	13,954	1	1				1		1	
Wheeling, W. Va.	43,657	12								
Wichita, Kans.	73,597	16	2						2	
Wilmington, Del.	95,369								2	
Wilmington, N. C.	30,400	3			1				1	2
Winchester, Mass.	10,812	1								
Winona, Minn.	18,583		1							
Winston-Salem, N. C.	33,136	10							1	
Winthrop, Mass.	13,106						1			
Woburn, Mass.	16,076	5								
Worcester, Mass.	166,106	41	3				1		14	5
Yakima, Wash.	22,058				7					
Yonkers, N. Y.	103,066	22	6		6		1		4	1
Youngstown, Ohio.	112,282	31	2		4		2		5	3
Zanesville, Ohio.	31,320	6							2	

FOREIGN.

AUSTRALIA.

Influenza—Brisbane—Newcastle—South Australia.

Influenza has been further¹ reported in Australia as follows:

Brisbane.—At Brisbane, State of Queensland, during the four weeks ended June 28, 1919, 3,619 new cases of influenza were reported. (Population, 143,000.)

Newcastle.—At Newcastle (with eight suburbs), State of New South Wales, during the period from June 8 to July 5, 1919, 287 new cases of pneumonic influenza were reported. (Population, 49,858.)

State of South Australia.—In the State of South Australia during the period from June 1 to 21, 1919, 1,149 cases of influenza with 94 fatalities were reported. (Population, estimated, 436,640.)

Influenza—State of Western Australia Declared Infected—Quarantine.²

Under date of June 19, 1919, the Governor General of the Commonwealth of Australia declared the State of Western Australia infected with influenza and ordered quarantine measures to be observed against the infected area as regarded persons and merchandise.

BRAZIL.

Influenza—Bahia.

Influenza was reported present at Bahia, Brazil, in January, 1919, with 9 cases, in February with 3 cases, and in March, April, May, and June, 1919, with a total of 9 cases.

Influenza—State of São Paulo.

During the period from January to May, inclusive, 1919, 257 fatal cases of influenza were reported in the State of São Paulo, Brazil. The cases were distributed as follows: São Paulo, capital, 98 deaths (population, 528,295); Campinas, 69 (population, 105,160); Santos, 13 (population, 95,365); Ribeirão Preto, 47 (population, 56,000); São Carlos, 14 (population, 70,209); Guaratingueta, 8 (population, 51,655); Botucatu, 8 (population, 33,545).

There were reported during the month of November, 1918, 5,304 cases of influenza, and during the month of December, 1918, 597 cases, occurring in the cities of São Paulo, Campinas, Ribeirão Preto, and Santos.³

¹ Public Health Reports, July 11, 1919, p. 1570, and July 25, 1919, p. 1664.

² Idem, July 18, 1919, p. 1612.

³ Idem, Mar. 28, 1919, p. 667.

1919

August 15, 1919.

CHINA.

Cerebrospinal Meningitis—Hongkong.

Cerebrospinal meningitis has been continuously reported present at Hongkong, China, since the beginning of the current year. During the month of January, exclusive of the week ended January 11, for which data have not been received, 22 cases of cerebrospinal meningitis were reported; during the month of February, 27 cases. In March, 1919, a marked increase was observed, 77 cases being notified. In April, 50 cases were notified; in May, 33 cases. Ten cases were notified from June 1 to 21, 1919.

Quarantine Against Hongkong—Cerebrospinal Meningitis.

During the months of April and May, 1919, quarantine measures were ordered to be enforced against arrivals from Hongkong, on account of cerebrospinal meningitis, as follows: At Amoy, Canton, Chefoo, Newchwang, Ningpo, Shanghai, Swatow, and Tientsin, in China; in the Philippine Islands; at Bangkok, Siam; and at Singapore, Straits Settlements.

Examination of Rats—Hongkong.

During the month of April, 1919, out of 8,215 rats taken, 20 were found plague infected and during the month of May, 1919, out of 10,961 rats taken, 58 were found plague infected.

Mortality—Comparative Statistics, 1916–1918—Hongkong.

During the period 1916–1918, mortality from all causes was reported at Hongkong as follows: 1916, 10,558 deaths; 1917, 10,433; 1918, 13,714 (estimated population, 561,500).

The table following shows mortality from certain diseases during the periods under report:

	1916	1917	1918
Influenza.....			405
Cerebrospinal meningitis.....			903
Smallpox.....	542	549	26
Typhoid fever.....	146	116	179
Diphtheria.....	51	61	98
Cholera.....	10		
Dysentery.....	306	190	225
Plague.....	39	35	251
Malaria.....	378	416	398
Syphilis.....	394	335	416
General tuberculosis.....	561	438	475
Beriberi.....	520	654	804
Pneumonia.....	1,577	1,532	2,251
Phthisis and pulmonary tuberculosis.....	984	854	1,035
Enteritis and gastroenteritis.....	770	775	820

Influenza—Canton.

Influenza was reported prevalent at Canton, China, June 30, 1919.

JAPAN.

Cerebrospinal Meningitis—Kobe—Nov.—Dec., 1918—Jan.—July, 1919.

During the month of November, 1918, cerebrospinal meningitis was present at Kobe, Japan, with 12 reported cases, and from December 1 to 28, with 19 cases. From December 29, 1918, to January 25, 1919, 40 cases were reported; January 26 to February 15, 26 cases; March 2 to 29, 45 cases; March 30 to April 26, 54 cases; April 27 to May 31, 72 cases; June 1 to July 5, 60 cases.

Cholera—Taihoku and Keelung, Island of Taiwan.

Cholera was reported present, August 5, 1919, in the Island of Taiwan (Formosa), at Taihoku, and in Keelung and vicinity.

Influenza—Mortality, 1918-1919.

From October 1, 1918, to April 30, 1919, 250,333 fatal cases of influenza were reported in Japan. (Quoted from the Bulletin of the Quarantine Service, Commonwealth of Australia, June 6, 1919.) Population of Japan, 50,751,900.

NEW ZEALAND.

Further Relative to Influenza.¹

During the period from May 19 to June 2, 1919, 89 cases of influenza were reported in New Zealand. (Population, 1,029,400.)

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

Reports Received During Week Ended Aug. 15, 1919.²

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Canton.....	June 22-28.....	3	2	Present. . In foreign section, Isl- and of Sha-mien.
Do.....	August 8.....			
India:				
Calcutta.....	June 8-14.....		81	
Indo-China:				
Cochin China—				
Saigon.....	June 9-22.....	112	80	
Japan:				
Taiwan Island—				
Keelung.....	August 5.....			Present, vicinity of Keelung.
Taihoku.....	do.....			Present.
Philippine Islands:				
Manila.....	June 15-21.....	2	1	June 15-21, 1919: Cases, 163; deaths, 113.
Provinces.....				
Batangas.....	June 15-21.....	6	5	
Bohol.....	do.....	8	4	
Bulacan.....	do.....	17	11	
Cavite.....	do.....	9	6	
Ilocos Sur.....	do.....	1		
Laguna.....	do.....	11	7	
Nueva Ecija.....	do.....	14	10	
Pampanga.....	do.....	26	19	
Pangasinan.....	do.....	49	34	
Tayabas.....	do.....	22	17	

¹ Public Health Reports, June 13, p. 1343.

² From medical officers of the Public Health Service, American consuls and other sources.

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August 15, 1919.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received During Week Ended Aug. 15, 1919—Continued.****CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Island—Continued.				
Manila.....	June 22-28.....	4	3	June 22-28, 1919: Cases, 283; deaths, 235.
Provinces.....				
Batangas.....	June 22-28.....	48	37	
Bohol.....	do.....	3	4	
Bulacan.....	do.....	14	7	
Cavite.....	do.....	6	6	
Cebu.....	do.....	24	11	
Nueva Ecija.....	do.....	36	22	
Pampanga.....	do.....	31	22	
Pangasinan.....	do.....	55	42	
Tayabas.....	do.....	64	47	
Union.....	do.....	7	7	

PLAGUE.

China:				
Canton.....	June 22-28.....	1	1	
Hongkong.....	June 8-14.....	27	20	
India:				
Calcutta.....	do.....		3	
Indo-China:				
Cochin China—				
Saigon.....	June 9-22.....	4	2	Including district of Saigon.

SMALLPOX.

Brazil:				
Bahia.....	May 25-June 7.....	2		Jan. 12-May 3, 1919: Cases, 10.
Pernambuco.....	May 4-25.....	5		
Canada:				
New Brunswick—				
St. John.....	July 27-Aug. 2.....	1		
Nova Scotia—				
Halifax.....	July 20-28.....	10		Counties: Pictou, East Hants, and Inverness County, Cape Breton Island.
Ontario—				
Hamilton.....	July 27-Aug. 2.....	1		
Quebec—				
Restigouche.....	June 15-July 31.....	40		Estimated. Occurring on Indian Reserve.
China:				
Chungking.....	June 15-23.....			Present.
Foochow.....	June 15-July 5.....			Do.
Nanking.....	June 22-28.....			Do.
France:				
Harre.....	May 23-30.....	1		
Paris.....	June 22-28.....	5		
Gibraltar.....	June 28-July 5.....		2	One from Bay.
Greece:				
Saloniki.....	June 1-7.....		10	
India:				
Calcutta.....	June 8-14.....		47	
Italy:				
Leghorn.....	June 24-29.....	1		
Turin.....	June 23-29.....	1		
Japan:				
Kobe.....	May 4-July 5.....	117	57	
Taiwan Island.....	June 25-July 1.....	1	1	
Mexico:				
Vera Cruz.....	June 13-19.....	2		
Newfoundland.....				July 19-25. 1919: Outports, 4 cases.
Portugal:				
Lisbon.....	June 22-28.....	20		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received During Week Ended Aug. 15, 1919—Continued.****TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Greece:				
Saloniki.....	June 1-7.....	.....	3	
Italy:				
Trieste.....	July 6-12.....	1	.....	
Japan:				
Nagasaki.....	June 30-July 13...	4	.....	
Mexico:				
Mexico City.....	July 6-12.....	32	.....	
Portugal:				
Lisbon.....	June 22-28.....	1	.....	

YELLOW FEVER.

Brazil:				
Bahia.....	May 18-June 14...	26	11	Jan. 12-May 17, 1919: Cases, 43; deaths, 25.

Reports Received from June 28 to Aug. 8, 1919.**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Apr. 23-26.....	10	.....	
China:				
Canton.....	June 8-21.....	10	3	Present.
Foochow.....	July 3.....	.....	.....	
Swatow.....	June 2-21.....	.....	118	
India:				
Bombay.....	Apr. 28-June 7....	29	25	
Calcutta.....	May 4-31.....	.....	476	
Madras.....	May 18-24.....	10	8	
Rangoon.....	Apr. 23-June 7....	73	53	
Indo-China:				
Cochin-China—				
Saigon.....	Apr. 21-June 8....	218	153	City and district.
Japan:				
Pescadores Islands.....	July 14.....	40	.....	In one village.
Java:				
East Java.....				
Surabaya.....	Apr. 23-May 20....	83	66	Apr. 2-May 20, 1919: Cases, 553; deaths, 459.
Mid-Java.....				Mar. 28-Apr. 24, 1919: Cases, 1,595; deaths, 1,225.
Samarang.....	Mar. 28-Apr. 24....	75	74	May 2-June 9, 1919: Cases, 70; deaths, 43.
West Java.....				
Batavia.....	May 2-June 5.....	12	5	
Persia:				
Ardebil.....	May 2.....	.....	.....	Present.
Enzeli.....	Apr. 23.....	1	.....	
Khorram-Ahah.....	May 3.....	.....	.....	Outbreak.
Mianedge.....	Apr. 28.....	.....	.....	Do.
Zindjan.....	Apr. 21-May 4.....	.....	49	
Philippine Islands:				
Manila.....	Apr. 26-May 31....	7	2	
Provinces.....				May 4-24, 1919: Cases, 567; deaths, 383.
Batangas.....	May 4-24.....	25	23	
Bulacan.....	do.....	48	25	
Cebu.....	do.....	162	84	
Laguna.....	do.....	20	15	
Mindoro.....	do.....	19	14	
Misamis.....	do.....	9	2	
Pampanga.....	do.....	166	131	
Tayabas.....	do.....	118	89	
Provinces.....				June 1-14, 1919: Cases, 164; deaths, 117.
Batangas.....	June 1-14.....	25	19	
Bulacan.....	do.....	32	19	
Cavite.....	June 8-14.....	7	2	
Laguna.....	do.....	5	6	
Nueva Ecija.....	June 1-14.....	10	7	
Pampanga.....	do.....	48	38	
Pangasinan.....	June 8-14.....	9	5	
Tayabas.....	do.....	22	17	
Slam:				
Bangkok.....	Apr. 13-May 17....		693	

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August 15, 1919.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 8, 1919—Continued.****PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Canton.....	May 25-June 21.....			Present. Apr. 27-May 10, 1919: Cases, 3; present May 24-June 7, 1919. Do.
Foochow.....	May 18-24.....			
Hongkong.....	June 15-23.....	42	33	
Ecuador:				
Guayaquil.....	June 16-30.....	2	1	
Posorja.....	June 1-30.....	3	1	Bathing place 65 kilometers from Guayaquil.
Egypt.....				Jan. 1-June 25, 1919: Cases, 638; deaths, 339.
Cities—				
Cairo.....	May 15.....		1	
Kantarah.....	June 19-20.....	4	2	Two European. Septicemic.
Port Said.....	May 1-4.....	1	2	
Suez.....	June 5-11.....	3	3	
Provinces—				
Assiout.....	May 17-June 24.....	80	41	
Beni-Souef.....	May 19-June 21.....	6	5	
Fayoum.....	May 18-June 21.....	8	7	
Girgeh.....	May 15-June 23.....	3	4	
Menoufia.....	June 8-24.....	5	1	
Minieh.....	May 24-June 25.....	29	11	
Great Britain:				
Liverpool.....	July 30.....	1	1	In dock laborer.
Hawaii:				
Paauihau.....	July 19.....	1		
India:				Apr. 27-June 7, 1919: Cases, 7,807; deaths, 6,232.
Bombay.....	Apr. 28-June 7.....	259	182	
Calcutta.....	May 18-31.....		30	
Karachi.....	May 18-June 21.....	144	131	
Rangoon.....	Apr. 28-June 7.....	46	35	
Indo-China:				
Cochin China—				
Saigon.....	Apr. 21-May 25.....	22	16	City and district.
Japan:				
Yokohama.....	June 9-15.....	1	1	
Java:				Apr. 8-May 20, 1919: Cases, 77; deaths, 77.
East Java.....				
Surabaya.....	Apr. 23-May 20.....	6	6	
Mesopotamia:				
Bagdad.....	Apr. 19-June 6.....	317	246	
Basra.....	May 3-10.....	108	89	Including suburb of Ashar. Total from date of outbreak to May 19, 1919, 288 cases.
Siam:				
Bangkok.....	Apr. 27-May 17.....	2	2	
Straits Settlements:				
Singapore.....	Apr. 13-26.....	2	1	
On vessel:				
S. S. City of Sparta.....	Apr. 19-21.....	1	1	From Bombay Apr. 3, 1919: caso a soldier: at sea.
Do.....	May 13-17.....	1	1	At Liverpool: case, a native member of the crew. (Public Health Reports, June 27, 1919, p. 1463.)

SMALLPOX.

Arabia:				
Aden.....	May 13-19.....		1	
Austria:				Mar. 9-Apr. 5, 1919: Cases, 92.
Salzburg.....	Mar. 9-Apr. 5.....	50		
Vienna.....	do.....	17		
Azores:				
St. Michaels.....	June 7-20.....	1		
Brazil:				
Bahia.....	Apr. 20-May 3.....	2		
Canada:				
British Columbia—				
Vancouver.....	June 15-July 5.....	4		
New Brunswick—				
Campbellton.....	June 15-21.....	1		
Moncton.....	July 6-12.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 8, 1919—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Nova Scotia—				
Cities—				
Halifax.....	June 15-July 19....	101	.....	
Sydney.....	June 8-21.....	3	.....	
Counties—				
Antigonish.....	June 28.....	.....	.....	Present.
Cumberland.....	do.....	.....	.....	Do.
Guysborough.....	do.....	.....	.....	Do.
Halifax.....	do.....	.....	.....	Do.
Hants.....	do.....	.....	.....	Do.
Lunenburg.....	do.....	.....	.....	Do.
Ontario—				
Province.				
Hamilton.....	June 29-July 5.....	1	.....	May 1-June 30, 1919: Cases, 166;
Harwich.....	May 1-31.....	14	2	deaths, 4.
Ottawa.....	June 15-July 5.....	4	.....	Township in Kent County.
Peterborough.....	June 15-21.....	4	.....	
Walpole Island.....	May 1-31.....	42	.....	Kent County. Island in Lake
Prince Edward Island—				St. Clair. Among Indians.
Charlottetown.....	July 16-19.....	6	.....	
Quebec.				
Montreal.....	June 8-28.....	18	.....	
Quebec.....	June 29-July 19.....	8	.....	June 8-14, 1919: 10 cases. On
Saskatchewan—				
Regina.....				incoming vessels.
				Jan. 1-Apr. 30, 1919: Cases, 41;
				deaths, 1.
Ceylon:				
Colombo.....	May 1-31.....	4	.....	
China:				
Amoy.....	May 20-June 16.....	.....	13	
Canton.....	May 18-June 21.....	.....	.....	Present.
Chefoo.....	June 8-21.....	.....	.....	Do.
Chungking.....	May 4-June 14.....	.....	.....	Do.
Foochow.....	May 18-31.....	.....	.....	Do.
Hongkong.....	May 18-June 7.....	4	4	Do.
Nanking.....	May 25-June 21.....	.....	.....	Do.
Chosen (Korea):				
Chemulpo.....	Apr. 1-May 31.....	19	4	
Fusan.....	do.....	294	81	
Seoul.....	do.....	3	1	
Czecho-Slovakia:				
Prague.....	May 18-June 21.....	11	2	
Egypt:				
Alexandria.....	May 14-June 24.....	233	95	
Cairo.....	Jan. 2-Mar. 4.....	81	7	
Finland.				
Provinces—				
Abo Och Bjorneborg.....	Apr. 16-May 31.....	8	.....	Apr. 16-May 31, 1919: Cases, 357.
Kuopio.....	do.....	45	.....	
Nyland.....	do.....	9	.....	
St. Michael.....	do.....	51	.....	
Tavastehus.....	do.....	30	.....	
Vasa.....	do.....	7	.....	
Viborg.....	do.....	196	.....	
France:				
Marseille.....	May 1-31.....	.....	2	
Paris.....	May 11-June 21.....	12	6	
Great Britain:				
Cardiff.....	June 15-July 5.....	4	.....	
Dundee.....	June 1-7.....	1	.....	
Glasgow.....	June 8-21.....	5	.....	
London.....	May 25-July 5.....	12	.....	
Greece:				
Saloniki.....	May 15-21.....	.....	18	
India:				
Bombay.....	Apr. 28-June 7.....	639	221	
Calcutta.....	May 4-31.....	.....	353	
Karachi.....	May 4-June 21.....	28	17	
Madras.....	May 18-24.....	23	11	
Rangoon.....	Apr. 28-June 7.....	162	75	
Indo-China:				
Cochin-China—				
Saigon.....	Apr. 21-May 18.....	11	4	City and district.

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

Reports Received from June 23 to Aug. 8, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Leghorn.....	June 16-22.....	1		
Messina.....	June 1-21.....	13		
Milan.....	Mar. 1-Apr. 30.....	20	5	Province, June 8-21, 1919: Cases, 23; deaths, 2.
Milazzo.....	June 1-7.....	1	1	
Naples.....	June 2-22.....	96	79	
Palermo.....	May 2-June 20.....	39	5	
Turin.....	May 18-June 22.....	4	1	
Venice.....	May 26-June 1.....	2		
Japan:				
Kobe.....	May 4-31.....	48	17	
Nagoya.....	June 1-7.....	1	1	
Taiwan.....	May 21-June 17.....	9	4	Entire island.
Tokyo.....	May 1-June 5.....	2		
Yokohama.....	May 26-June 1.....	1		
Java:				
East Java.....				Apr. 9-15, 1919: Cases, 1.
West Java.....				May 2-June 5, 1919: Cases, 419; deaths, 81.
Batavia.....	Apr. 13-June 5.....	4	1	
Manchuria:				
Dairen.....	May 13-June 2.....	3	2	
Meopotamia:				
Bagdad.....	May 29-30.....	1		
Mexico:				
Mexico City.....	June 1-July 5.....	20	1	
Piedras Negras.....	June 22-23.....	2	2	
San Jeronimo.....	June 17-30.....	5		In State of Oaxaca.
Vera Cruz.....	July 6-12.....	2		
Newfoundland:				
St. Johns.....	June 13-July 4.....	3		June 13-July 18, 1919: Outports, 31 cases.
Philippine Islands:				
Manila.....	May 11-17.....	1		
Portugal:				
Oporto.....	June 2-14.....	17	9	
Portuguese East Africa:				
Laurenco Marques.....	Apr. 1-May 31.....	2	1	
Siberia:				
Vladivostok.....	June 8-15.....	23		
Spain:				
Almeria.....	May 18-June 16.....	48	5	
Barcelona.....	May 15-June 19.....	3	6	
Bilbao.....	May 1-10.....	1		
Cadiz.....	Apr. 1-May 31.....		5	
Madrid.....	May 1-31.....	3		
Valencia.....	May 11-June 7.....	174	12	
Vigo.....	Apr. 12.....	2		From vessel. Mar. 22, 1919: Present in villages in vicinity.
Straits Settlements:				
Singapore.....	Mar. 24-May 10.....	4	2	
Tunis:				
Tunis.....	June 15-23.....	2	1	
On vessels:				
S. S. Eastern.....	Apr. 25-26.....	2	1	Death at sea. Second case landed at Woodman's Quarantine Station, Fremantle, Australia, Apr. 29. Vessel from England via Egypt and Colombo.
S. S. Karoa.....	Apr. 19.....	1		Landed at Colombo. Vessel from the United Kingdom via Egypt and Colombo.
S. S. Khyber.....	Apr. 10-May 4.....	4		From Liverpool, via Port Said, Suez, and Colombo. One case landed at Port Said Apr. 10, 2 cases at Colombo Apr. 22, 1 at quarantine, Fremantle, Australia, May 4, 1919.

TYPHUS FEVER.

Algeria:				
Algiers.....	May 1-31.....	76	8	
Austria:				
Vienna.....	Mar. 43-Apr. 5.....	9		Mar. 23-Apr. 5, 1919: Cases, 118.
China:				
Changsha.....	May 11-17.....	1	1	

August 15, 1919.

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CHOLEPA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 8, 1919—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Chosen (Korea):				
Chemulpo.....	Apr. 1-May 31....	54	8	
Fusan.....	May 1-31.....	4	1	
Seoul.....	Apr. 1-May 31....	79	14	
Czecho-Slovakia:				
Prague.....	May 18-24.....	1		
Egypt:				
Alexandria.....	May 14-June 24..	425	236	
Cairo.....	Jan. 2-Mar. 4....	150	66	
Port Said.....	Jan. 9-Mar. 4....	6	4	
Finland:				Apr. 16-May 31, 1919: Cases, 16.
Provinces—				
Abo Och Bjorneborg...	May 15.....	1		
Nyland.....	Apr. 16-May 31..	4		
St. Michael.....	Apr. 16-May 15..	8		
Viborg.....	do.....	3		
Germany:				Military.
Do.....	Jan. 12-Feb. 22..	344		Civil.
Do.....	Feb. 23-Mar. 22..	220		Civil, military, prisoners of war,
Do.....	Mar. 23-Apr. 12..	333		deserters.
Great Britain:				
Glasgow.....	June 8-July 5....	13	2	
Dundee.....	June 30-July 5....	3		
Greece:				
Saloniki.....	May 15-21.....		2	
Hungary:				Feb. 24-May 9, 1919: Cases, 258.
Budapest.....	Feb. 24-May 9....	124	6	
Debreczin.....	do.....	42		
Italy:				Apr. 28-June 8, 1919: Cases,
Genoa.....	June 25-July 1....	62		3,470—Austrian prisoners.
Naples.....	May 12-June 22..	50	16	3,321; Italian soldiers, 82; civil
Venice.....	Apr. 27-June 14..	58	9	population, 67.
Japan:				17 Austrian prisoners.
Nagasaki.....	June 16-29.....	3		
Mesopotamia:				
Bagdad.....	Apr. 19-June 6....	34	22	
Mexico:				
Mexico City.....	May 4-July 5....	211		
Newfoundland:				
St. Johns.....	June 21-27.....	1		From vessel.
Palestine:				Oct. 22-Dec. 22, 1918: Cases, 8;
Jaffa.....				deaths, 3.
Portugal:				
Oporto.....	June 1-15.....	52		
Siberia:				
Vladivostok.....	June 9-15.....	90		
Spain:				
Barcelona.....	May 15-21.....		1	
Madrid.....	May 1-31.....		1	
Tunis:				
Tunis.....	May 24-June 21..	3	1	

YELLOW FEVER.

Brazil:				
Bahia.....	Apr. 12-May 17..	22	15	July 29, 1919, reported seriously prevalent in States of Bahia and Pernambuco.
Ecuador:				
Guayaquil.....	May 1-31.....	1	1	
Naranjito.....	May 1-June 15....	2	1	
Mexico:				
Merida.....	June 30-July 26..	17	7	State of Yucatan.
Peru:				
Paiza.....	July 10-22.....	8	5	Department of Piura.
Piura.....	do.....	46	10	Do.
Salvador:				
La Union.....	July 6.....	2		
St. Miguel.....	June 24-July 6....	4		75 miles from city of San Salvador.
San Salvador.....	do.....	1	1	