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INFLUENZA IN MARYLAND.

PRELIMINARY STATISTICS OF CERTAIN LOCALITIES.

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Owing to the facts that prior to the recent epidemic reports of influenza were not required in most sections of the United States, that the reports of all infectious diseases are usually incomplete in most areas, and that during the influenza epidemic physicians were overwhelmed with urgent relief work, the morbidity reports received through the usual channels furnished no reliable index of the prevalence of the disease.

Recognizing these facts, the United States Public Health Service, upon the subsidence of the first wave of the epidemic, organized special surveys in a number of localities for the purpose of ascertaining as accurately as possible the proportion of the population affected. The data collected in these surveys, which have been made in 18 localities, are now in the process of compilation; but, in the meantime, certain results of the surveys made in Maryland are available from preliminary compilations made during the progress of the field work. While these preliminary compilations are known to be subject to certain errors which may be eliminated in the final tabulations, such errors are not sufficient to be of material significance, and it is believed that the data are of sufficient interest to warrant presentation of the preliminary figures at this time.)

(The communities in which surveys were made in Maryland are:

Baltimore, population in 1917.....	594, 637
Cumberland, population in 1917.....	26, 686
Lonaconing.....	1 1, 553
Frederick, population in 1917.....	11, 225
Salisbury.....	1 6, 690
Three rural districts in Frederick, Washington, and Wicomico Counties.	

These localities are widely separated in the State, Cumberland and Lonaconing being in the extreme northwestern part, Frederick

¹ Population in 1910. No census estimate has been made for 1917.

in the central part, and Salisbury in the southeastern part of the State.

In each of these localities a number of areas were selected for house-to-house canvass. The size of these areas was roughly fixed so as to include approximately the same number of persons in each, the selection of the areas within a town or city being made so as to give a fairly uniform geographic distribution. Enumerators were employed to visit every house in the selected areas, and to make inquiries of the housewife or other responsible member of the household as to the sex and age of each member, the date of onset and duration of each case of influenza or pneumonia, and the date of each death from influenza or pneumonia.¹

Thus the sex and age of every person in the population canvassed, as well as persons affected by the disease, were ascertained. The data obviously are crude to a certain degree because of the following conditions: (1) The canvass was made some time after the earlier cases occurred, and the dates of onset were not accurately recalled for a small proportion of the cases; (2) the families' statements as to diagnosis were accepted; (3) the enumerators were not persons especially trained in this work, although they were carefully selected for intelligence and reliability. It was believed, however, that a sufficiently large mass of data would reduce the errors arising from faulty memory on the part of some informants, and the inquiries were sufficiently simple to permit even untrained persons to obtain the data with detailed written instructions and under careful supervision.

In inquiring as to the type or nature of illness, the enumerators were instructed to ask which members of a family had influenza, "flu" or "grippe," since August 1, 1918, and to record cases of influenza or pneumonia as they were stated by the informants. Persons who were said to have been only "feeling badly," or as having a "cold," were recorded as "doubtful" cases. All such cases lasting not less than three days, and of such severity as to confine the patient to bed for the whole of one day, however, were classed as influenza unless otherwise diagnosed by the attending physician. Cases of illness if definitely stated to be due to some other cause than influenza, pneumonia, or colds were not recorded. While inquiries of this character can not be regarded as accurate diagnoses, it is believed that such inquiries, made quite simply and covering a very definite epidemic period, afford a fairly accurate idea of the incidence of the disease among representative groups of persons. The preliminary compilations appear to indicate quite clearly that

¹ Certain other inquiries were made, but the tabulations of the data from these inquiries have not yet been completed.

the cases recorded as influenza and pneumonia and as "doubtful" were accurately recorded in a great majority of instances. This indication, it will be noted, is most strikingly seen in the tables herewith presented where cases classified as influenza, pneumonia, and "doubtful" show almost identical chronology and where the "doubtful" cases are shown to constitute less than 10 per cent of the total number.

TABLE I.—*Number of cases of influenza and deaths from influenza and pneumonia (all forms) among populations canvassed in various localities in Maryland.*

Locality.	Dates of canvass, 1918.	Total number of persons included in canvass.	Number of cases of influenza.	Number of deaths from influenza and pneumonia (all forms).
All localities.....	Nov. 20-Dec. 15.....	46,535	13,037	243
All localities exclusive of Baltimore.....	Nov. 27-Dec. 15.....	12,759	5,169	87
Baltimore.....	Nov. 20-Dec. 10.....	33,776	7,868	156
Salisbury.....	Dec. 10-12.....	1,735	796	9
Frederick.....	Nov. 27-30.....	2,430	777	9
Cumberland.....	Dec. 1-6.....	5,234	2,147	38
Lonaconing.....	Dec. 4-11.....	1,840	1,093	22
3 rural districts.....	Dec. 1-15.....	1,530	356	9

TABLE II.—*Case incidence rates and death rates per 1,000 persons, and fatality rates per 100 cases, from influenza and pneumonia (all forms) among the populations of areas canvassed in various localities in Maryland.*

Locality.	Case incidence rate per 1,000.	Death rate per 1,000.	Case fatality rate per 100.
All localities.....	280.2	5.2	1.9
All localities exclusive of Baltimore.....	405.1	6.8	1.7
Baltimore.....	232.9	4.6	2.0
Salisbury.....	459.2	5.2	1.1
Frederick.....	321.1	3.7	1.2
Cumberland.....	410.2	7.3	1.8
Lonaconing.....	594.0	11.9	2.1
3 rural districts.....	323.8	5.9	2.5

In Table I is shown for each locality in Maryland in which a survey was made, the dates on which the survey was made, the population included in the canvass and the number of cases and the number of deaths occurring among the population canvassed. In all, 46,535 persons were canvassed in Maryland, of whom 33,776 were in the 32 districts or areas selected in Baltimore city.

Table II shows the case incidence per 1,000 persons, the death rate from influenza and pneumonia per 1,000 persons and the fatality rate per 100 cases among the populations canvassed in the different localities. It will be noted that a considerable variation in rates

is shown. Taking the respective rates in Baltimore as "100", the rates for the various localities may be expressed thus:

	Case rate per 1,000.	Death rate per 1,000.	Fatality rate per 100 cases.
Baltimore.....	100	100	100
Salisbury.....	192	113	55
Frederick.....	138	80	60
Cumberland.....	176	159	90
Lonaconing.....	255	259	105
Three rural districts.....	139	128	125

It will be noted that while the case rate was lower in Baltimore than in any other locality, and that the death rate was lower in Baltimore than in any other locality save one, the fatality rate was higher in Baltimore than in any of the other localities except in the small town of Lonaconing and the three rural districts. In this connection it should be stated that the three rural districts are too small to afford an accurate indication of the incidence or death rates in rural communities. It is hoped that the data for rural districts in Maryland can be supplemented by further surveys.

In Table III the illnesses which were recorded are classified according to the type or kind as they were reported, namely: Influenza, pneumonia, or "doubtful."

In Tables IV and V the numbers of cases are classified by reported date of onset. Table IV shows the number of cases of all types classified by date of onset as reported in the canvasses of Baltimore, Cumberland, Lonaconing, Frederick, and Salisbury. It is not purposed at the present time to attempt an analysis of these data, but it should be pointed out that some marked irregularities in the curves which the plotting of them shows evidently result from faulty recollections by informants of the dates of onset. The number of cases by dates of reported onset for the areas canvassed in Baltimore during the period September 6 to November 22 are plotted in figure 1. It will be noted that a considerable degree of irregularity is shown by the line representing the number of cases by dates of onset as actually reported to the enumerators; the fact that sharp peaks are shown for October 1, October 10, and October 15, suggests that the reported dates of onset grouped themselves around certain even dates because of a probable tendency for informants to recall or state dates inaccurately. A closer examination of the graph will show that there was a more or less well-defined periodicity of 5-day intervals in these dates throughout the period, probably for the same reason. In order to correct irregularities arising from erroneous statements of this nature, a moving five-day average was computed and is indicated in the figure by the broken-line graph.

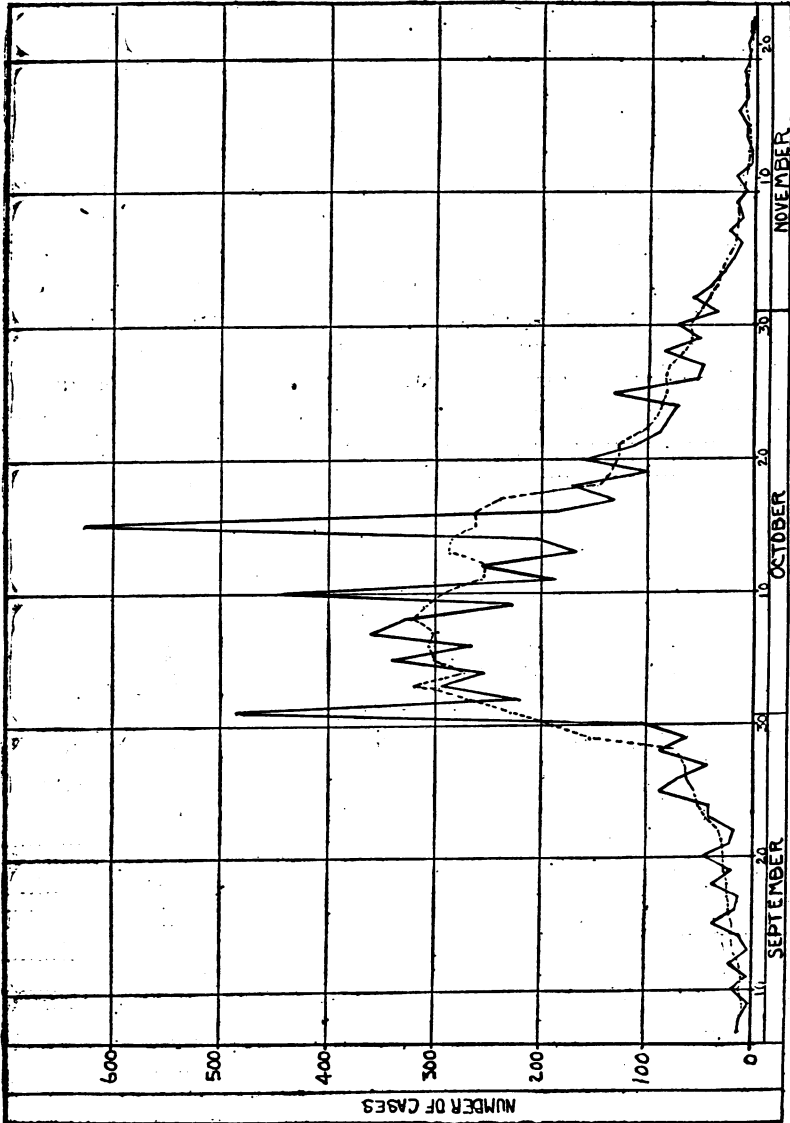


FIG. 1.—Number of cases of influenza occurring between September 6 and November 22, 1918, among the population of areas canvassed in Baltimore, by reported date of onset. The continuous line represents the number of cases whose onset occurred on the days as actually reported. The broken line is a smoothed line computed by means of a five-day moving average.

TABLE III.—Number and per cent of cases of influenza of different "types" enumerated among the populations of areas canvassed in various localities in Maryland.

Locality.	Total cases. ¹	Cases classified according to type.		
		Influenza.	Pneumonia.	Doubtful. ²
NUMBER OF CASES.				
All localities.....	12,989	10,920	808	1,261
All localities exclusive of Baltimore.....	5,208	4,495	314	399
Baltimore.....	7,781	6,425	494	862
Salisbury.....	793	731	21	41
Frederick.....	802	612	42	148
Cumberland.....	2,143	1,814	172	157
Lonaconing.....	1,100	1,037	52	11
3 rural districts.....	370	301	27	42
PER CENT OF TOTAL CASES.				
All localities.....	100	84.1	6.2	9.7
All localities exclusive of Baltimore.....	100	86.3	6.0	7.7
Baltimore.....	100	82.5	6.4	11.1
Salisbury.....	100	92.2	2.7	5.2
Frederick.....	100	76.3	5.2	18.5
Cumberland.....	100	84.7	8.0	7.3
Lonaconing.....	100	94.3	4.7	1.0
3 rural districts.....	100	81.3	7.3	11.4

¹ Includes cases of mild type and brief duration in which a definite diagnosis was not reported by informant. (See p 492.)

² Including only cases for which information as to "type" was obtained.

TABLE IV.—Number of cases of influenza occurring among populations canvassed in specified localities in Maryland, classified by reported date of onset.¹

	Baltimore.*	Cumberland.	Lonaconing.	Frederick.	Salisbury.
Population included in canvass....	33,776	5,234	1,840	2,420	1,735
. DATES.					
Sept. 1.....	8	6	3		
2.....	1	3	2		
3.....	7			2	
4.....	18		1	2	
5.....	3		3		
6.....	5	2	3		
7.....	12		2		
8.....	9	4	1		
9.....	2	2	1		
10.....	17	3	2	1	
11.....	4	4	1		
12.....	21	2	3		
13.....	4	4			2
14.....	11		1	1	
15.....	37		3		4
16.....	14	8	1		1
17.....	13	6	1	4	1
18.....	37	4	2		
19.....	17	3			
20.....	43	11	9		3
21.....	21	5	3		2

¹ Exclusive of 328 cases, the exact dates of onset of which were not known, as follows: Baltimore, 252 cases; Cumberland, 10 cases in September and 4 in October; Lonaconing, 4 cases in October; Frederick, 3 cases in September, 7 in October, and 1 in November; Salisbury, 1 case in September and 8 cases in October.

² The following number of cases were stated to have had their onsets prior to Sept. 1, 1918, in Baltimore: July 4, 1; July 9, 1; July 10, 1; July 11, 1; July 12, 1; Aug. 1, 1; Aug. 9, 1; Aug. 10, 2; Aug. 25, 2; Aug. 27, 1; Aug. 28, 3; Aug. 29, 1; and Aug. 30, 2.

TABLE IV.—Number of cases of influenza occurring among populations canvassed in specified localities in Maryland, classified by reported date of onset—Continued.

	Baltimore.	Cumberland.	Lonaconing.	Frederick.	Salisbury.
Population included in canvass...	33,776	5,234	1,840	2,420	1,735
DATES—continued.					
Sept. 22	18	9	4	2	1
23	39	31	4	3	
24	40	19	3	7	1
25	88	24	41	6	
26	70	23	10		5
27	41	24	24	3	4
28	87	47	40	2	17
29	62	26	20	2	13
30	107	32	29	3	6
Oct. 1	481	138	110	19	54
2	225	57	86	16	20
3	294	67	89	12	20
4	255	91	106	22	21
5	337	98	56	22	31
6	260	103	42	17	21
7	360	94	49	28	40
8	327	99	47	36	47
9	228	65	36	36	38
10	443	117	44	29	54
11	186	83	36	25	27
12	264	88	25	20	32
13	164	47	17	18	30
14	205	66	15	22	33
15	628	135	20	49	59
16	182	34	6	31	14
17	131	29	4	14	11
18	172	44	14	29	18
19	100	24	2	9	9
20	161	42	12	17	23
21	112	12	6	13	11
22	90	18	2	18	7
23	80	26	1	29	7
24	75	12	2	9	3
25	135	19	8	27	4
26	57	11	1	10	12
27	50	12	4	5	6
28	83	14	1	18	4
29	55	7		7	5
30	73	4	3	12	7
31	34	3	5	2	2
Nov. 1	60	25	2	9	3
2	41	3	1	1	2
3	29	6	3	6	
4	22	5	2	3	3
5	14	2		3	
6	24	3	1	5	
7	13	10		3	1
8	14	6		5	1
9	10	4	1	2	
10	19	7	1		1
11	5	6		5	4
12	5	4	2		1
13	9	2		4	3
14	10	1		1	1
15	17	3	1		
16	10	2			
17	10	1			
18	12	6		1	1
19	7	4		1	
20	10	3	2	1	2
21	3	4	1	7	3
22	2		1	6	2
23	4	2		1	
24	5	1		3	2
25	10		1	6	1
26	5	1		4	2
27	6	2	1	10	
28	3	4	4	3	
29	6	1			1
30	1	2			1

TABLE V.—Number of cases of influenza and pneumonia (including "doubtful" cases¹) and deaths from influenza and pneumonia (all forms) among the population canvassed in Baltimore, classified by reported date of onset or occurrence, from Sept. 1 to Nov. 30, 1918.²

Date.	Cases.				Deaths.
	Influenza.	Pneumonia.	Doubtful.	Total.	
Sept. 1.	5	2	1	8	
2.	1			1	
3.	6	1		7	
4.	15	2	1	18	
5.	2	1		3	
6.	3		2	5	
7.	8	1	3	12	
8.	7		2	9	
9.	2			2	
10.	15	1	1	17	
11.	4			4	
12.	17	2	2	21	
13.	4			4	
14.	10		1	11	
15.	31	3	3	37	
16.	11	2	1	14	
17.	13			13	
18.	36		1	37	
19.	13	1	3	17	1
20.	33	2	8	43	1
21.	17	3	1	21	
22.	15	1	2	18	
23.	32	3	4	39	
24.	27	3	10	40	
25.	70	10	8	88	
26.	58	5	7	70	
27.	32	3	6	41	2
28.	69	7	11	87	
29.	54	5	3	62	
30.	80	13	14	107	
Oct. 1.	405	40	36	481	
2.	192	16	17	225	
3.	243	18	33	294	3
4.	204	19	32	255	
5.	280	27	30	337	3
6.	229	18	13	260	5
7.	304	19	37	360	5
8.	265	24	38	327	1
9.	196	17	15	228	10
10.	372	27	44	443	3
11.	158	12	16	186	13
12.	222	16	26	264	8
13.	141	10	13	164	4
14.	172	6	27	205	5
15.	553	25	50	628	10
16.	148	5	29	182	7
17.	95	11	25	131	7
18.	144	7	21	172	5
19.	85	5	10	100	3
20.	143	5	13	161	7
21.	87	10	15	112	3
22.	73	8	9	90	2
23.	70	4	6	80	5
24.	62	8	5	75	1
25.	116	2	17	135	2
26.	44	6	7	57	2
27.	38	2	10	50	5
28.	60	10	13	83	2
29.	45	2	8	55	4
30.	60	2	11	73	
31.	27	4	3	34	
Nov. 1.	51	5	5	60	2
2.	34	2	5	41	1
3.	22	2	5	29	1
4.	16	4	2	22	1
5.	11	2	1	14	
6.	18	1	5	24	1
7.	11		2	13	2
8.	10	1	3	14	1
9.	8	2		10	
10.	13	2	4	19	1

¹ Includes cases of mild type and brief duration in which a definite diagnosis was not reported by informant. See p. 492.

² Exclusive of 252 cases, the exact dates of onset of which were not known, and 1 death as follows: 15 cases influenza and 5 doubtful in September; 180 cases influenza, 3 pneumonia, and 36 doubtful, and 1 death in October; 5 cases influenza and 8 doubtful in November.

TABLE V.—Number of cases of influenza and pneumonia (including "doubtful" cases) and deaths from influenza and pneumonia (all forms) among the population canvassed in Baltimore, classified by reported date of onset or occurrence, from Sept. 1 to Nov. 30, 1918—Continued.

Date.	Cases.				Deaths.
	Influenza.	Pneumonia.	Doubtful.	Total.	
Nov. 11.....	3		2	5	1
12.....	3		2	5	
13.....	6	1	2	9	1
14.....	6	1	3	10	
15.....	13	2	2	17	1
16.....	5	2	3	10	1
17.....	6	2	2	10	2
18.....	6	1	5	12	
19.....	5		2	7	
20.....	5	1	4	10	
21.....	1	1	1	3	1
22.....	2			2	
23.....	2		2	4	
24.....	3		2	5	1
25.....	8		2	10	
26.....	4	1		5	
27.....	1		5	6	
28.....	2	1		3	
29.....	3		3	6	
30.....	1			1	

TABLE VI.—Number of cases of influenza and deaths from influenza and pneumonia (all forms) occurring among males and females of different ages canvassed in Baltimore and certain other localities in Maryland.

Age.	Both sexes.			Males.			Females.		
	Number of persons.	Number of cases.	Number of deaths.	Number of persons.	Number of cases.	Number of deaths.	Number of persons.	Number of cases.	Number of deaths.
ALL LOCALITIES.									
Under 1.....	944	192	13	451	86	4	493	106	9
Under 5.....	4,576	1,365	43	2,281	688	14	2,295	677	29
5-9.....	4,355	1,720	8	2,192	856	4	2,163	864	4
10-14.....	4,141	1,528	10	2,017	715	3	2,124	813	7
15-19.....	4,134	1,452	16	1,927	631	8	2,207	821	8
20-24.....	3,785	1,193	28	1,361	373	12	2,424	820	16
25-29.....	3,793	1,308	38	1,540	517	25	2,253	791	13
30-34.....	3,608	1,162	28	1,638	540	19	1,970	622	9
35-39.....	3,489	930	23	1,674	440	13	1,815	490	10
40-44.....	2,905	629	12	1,431	322	9	1,474	307	3
45-49.....	2,638	507	4	1,272	224	3	1,366	283	1
50-54.....	2,249	367	4	1,085	170	3	1,164	197	1
55-59.....	1,526	222	4	690	97	2	836	125	2
60-64.....	1,326	183	6	650	72		676	111	6
65-69.....	972	127	6	460	57	3	512	70	3
70-74.....	610	59	5	254	26	1	356	36	4
75 and over.....	599	44	2	244	22	2	365	22	
Unknown.....	1,829	241	6	847	110	2	982	131	4
All ages.....	46,535	13,037	243	21,563	5,860	123	24,972	7,177	120

BALTIMORE.

Under 1.....	669	103	5	323	45	1	346	58	4
Under 5.....	3,263	822	24	1,659	422	7	1,604	400	17
5-9.....	3,047	1,067	6	1,540	545	3	1,507	522	3
10-14.....	2,861	885	5	1,402	415	1	1,459	470	4
15-19.....	2,874	815	11	1,329	344	5	1,545	471	6
20-24.....	2,824	730	17	985	217	7	1,839	513	10
25-29.....	2,863	859	29	1,154	333	19	1,709	526	10
30-34.....	2,775	757	19	1,275	355	13	1,560	402	8
35-39.....	2,495	537	10	1,229	246	5	1,286	291	5
40-44.....	2,087	366	8	1,018	184	6	1,069	182	2
45-49.....	1,910	287	2	916	118	2	994	169	
50-54.....	1,644	208	2	789	95	1	855	113	1

TABLE VI.—Number of cases of influenza and deaths from influenza and pneumonia (all forms) occurring among males and females of different ages canvassed in Baltimore and certain other localities in Maryland—Continued.

Age.	Both sexes.			Males.			Females.		
	Number of persons.	Number of cases.	Number of deaths.	Number of persons.	Number of cases.	Number of deaths.	Number of persons.	Number of cases.	Number of deaths.
BALTIMORE—Continued.									
55-59	1,100	132	3	500	56	1	600	76	2
60-64	958	115	5	463	51	.....	495	64	5
65-69	668	68	5	314	33	3	354	35	2
70-74	419	32	4	174	13	1	245	19	3
75 and over	414	22	1	163	10	1	251	12	.....
Unknown	1,571	166	5	734	75	2	840	91	3
All ages	33,776	7,868	156	15,644	3,512	77	18,132	4,356	79
ALL LOCALITIES OTHER THAN BALTIMORE.									
Under 1	275	89	8	128	41	3	147	48	5
Under 5	1,313	453	19	622	266	7	691	277	12
5-9	1,308	653	2	652	311	1	656	342	1
10-14	1,280	643	5	615	300	2	665	343	3
15-19	1,260	637	5	598	287	3	662	350	2
20-24	961	463	11	376	156	5	585	307	6
25-29	930	449	9	386	184	6	544	265	3
30-34	833	405	9	363	185	6	470	220	3
35-39	994	393	13	445	194	8	549	199	5
40-44	818	263	4	413	178	3	405	125	1
45-49	728	220	2	356	106	1	372	114	1
50-54	605	159	2	296	75	2	309	84	.....
55-59	426	90	1	190	41	1	236	49	.....
60-64	368	68	1	187	21	.....	181	47	1
65-69	304	59	1	146	24	.....	158	35	1
70-74	191	27	1	80	13	.....	111	14	1
75 and over	185	22	1	81	12	1	101	10	.....
Unknown	255	75	1	113	35	.....	142	40	1
All ages	12,759	5,169	87	5,919	2,348	46	6,840	2,821	41

TABLE VII.—Case rate and death rate from influenza and pneumonia (all forms) per 1,000 persons of different ages canvassed in Baltimore and certain other localities in Maryland, and fatality rate per 100 cases.

Age period.	All localities.	Baltimore.	All localities other than Baltimore.
CASE RATE PER 1,000 POPULATION.			
Under 1	203.4	154.0	323.6
Under 5	298.3	252.2	413.5
5-9	395.0	350.2	499.2
10-14	369.0	309.4	502.2
15-19	351.2	283.6	505.6
20-24	315.2	258.5	481.8
25-29	314.8	300.0	482.8
30-34	322.1	272.8	486.2
35-39	266.6	215.2	385.4
40-44	216.5	175.4	321.5
45-49	192.2	150.0	302.2
50-54	163.2	126.5	262.8
55-59	145.5	120.0	211.4
60-64	138.0	120.0	184.7
65-69	130.7	101.8	191.1
70-74	96.7	76.4	141.3
75 and over	73.5	53.1	118.8
Unknown	131.8	165.5	291.1
All ages	260.2	232.9	405.1

TABLE VII.—Case rate and death rate from influenza and pneumonia (all forms) per 1,000 persons of different ages canvassed in Baltimore and certain other localities in Maryland, and fatality rate per 100 cases—Continued.

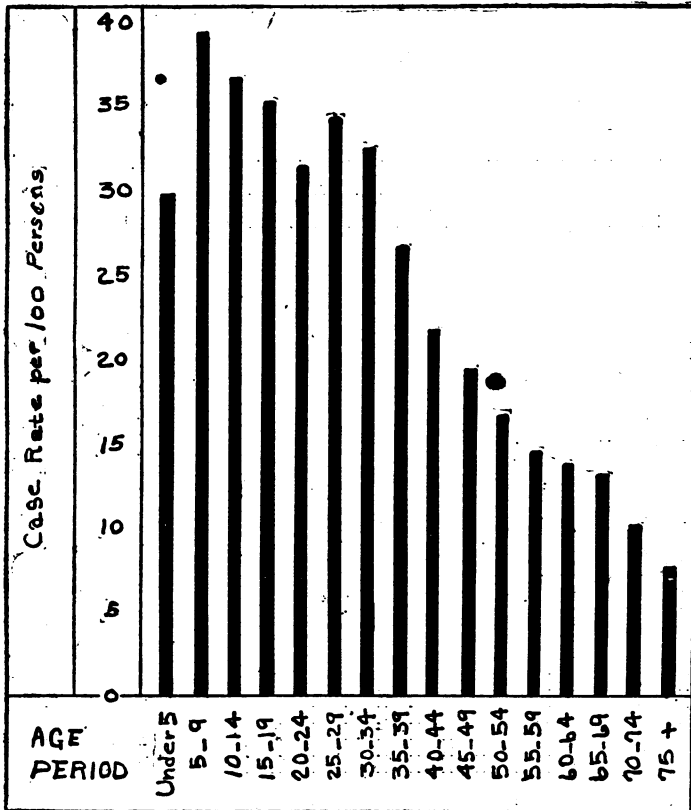
Age period.	All localities.	Baltimore.	All localities other than Baltimore.
DEATH RATE PER 1,000 POPULATION.			
Under 1.....	13.8	7.5	29.1
Under 5.....	9.4	7.4	14.5
5-9.....	1.8	2.0	1.5
10-14.....	2.4	1.7	3.9
15-19.....	3.9	3.8	4.0
20-24.....	7.4	6.0	11.4
25-29.....	10.0	10.1	9.7
30-34.....	7.8	6.8	10.8
35-39.....	6.6	4.0	13.1
40-44.....	4.1	3.8	4.9
45-49.....	1.5	1.0	2.7
50-54.....	1.8	1.2	3.3
55-59.....	2.6	2.7	2.3
60-64.....	4.5	5.2	2.7
65-69.....	6.2	7.5	3.3
70-74.....	8.2	9.5	5.2
75 and over.....	3.3	2.4	5.4
Unknown.....	3.3	3.2	3.9
All ages.....	5.2	4.6	6.8

FATALITY RATE PER 100 CASES.			
Under 1.....	6.8	4.9	9.0
Under 5.....	3.2	2.9	3.5
5-9.....	.5	.6	.4
10-14.....	.7	.6	.8
15-19.....	1.1	1.3	.8
20-24.....	2.4	2.3	2.4
25-29.....	2.0	3.4	2.0
30-34.....	2.4	2.5	2.2
35-39.....	2.5	1.9	3.3
40-44.....	1.9	2.2	1.5
45-49.....	.8	.7	.9
50-54.....	1.1	1.0	1.3
55-59.....	1.8	2.3	1.1
60-64.....	3.3	4.3	1.5
65-69.....	4.7	7.4	1.7
70-74.....	8.5	12.5	3.7
75 and over.....	4.5	4.6	4.5
Unknown.....	2.5	3.0	1.3
All ages.....	1.9	2.0	1.7

TABLE VIII.—Case rate and death rate from influenza and pneumonia (all forms) per 1,000 male and female of different ages canvassed in certain localities in Maryland.

Age period.	Case rate.		Death rate.		Case fatality rate.	
	Male.	Female.	Male.	Female.	Male.	Female.
Under 1.....	190.7	215.0	8.9	18.3	4.7	8.5
Under 5.....	301.6	295.0	6.1	12.7	2.0	4.3
5-9.....	390.5	399.5	1.8	1.9	.5	.5
10-14.....	354.5	352.8	1.5	3.3	.4	.9
15-19.....	327.5	372.0	4.2	3.7	1.3	1.0
20-24.....	273.8	338.3	8.8	6.6	3.2	2.0
25-29.....	335.8	351.1	16.2	5.8	4.8	1.6
30-34.....	329.7	315.7	11.6	4.6	3.5	1.4
35-39.....	262.8	270.0	7.8	5.8	3.0	2.0
40-44.....	225.0	208.3	6.3	2.0	2.8	1.0
45-49.....	176.1	207.2	2.4	.7	1.3	.4
50-54.....	156.7	169.3	2.8	.9	1.8	.5
55-59.....	140.5	149.5	2.9	2.4	2.1	1.6
60-64.....	110.8	164.3	.....	8.0	.....	5.4
65-69.....	123.9	136.7	6.5	5.9	5.3	4.3
70-74.....	102.4	92.7	3.9	11.2	3.8	12.1
75 and over.....	90.2	62.0	8.2	.....	9.1	.....
Unknown.....	129.9	133.4	2.4	4.1	1.8	3.1
All ages.....	271.7	287.1	5.7	4.8	2.1	1.7

CASES



DEATHS

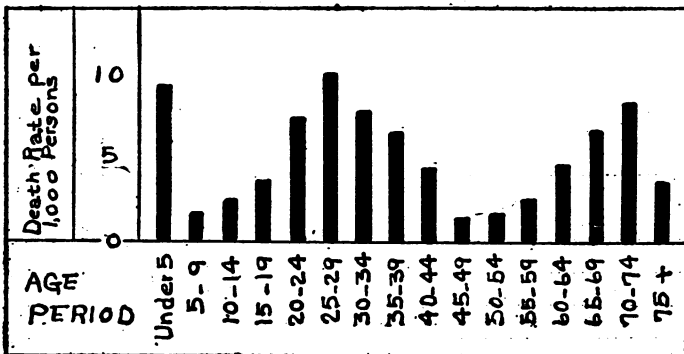


FIG. 2.—Case rate per 100 persons and death rate from influenza and pneumonia (all forms) per 1,000 persons of different ages canvassed in Maryland (see Table VII).

In Tables VI, VII, and VIII are presented the data from the point of view of age and sex incidence. The number of persons of different ages canvassed and the number of cases and of deaths occurring among these persons are shown in Table VI, the data for Baltimore city being given separately. The resulting case and death rates and the fatality rates per 100 cases are given in Table VII and graphically illustrated in figures 2 and 3. It will be noted that a striking contrast between the case rate and the death rate for persons of different ages is shown (see fig. 2) indicating an extremely interesting variation in the fatality rate per 100 cases in persons of different ages (see

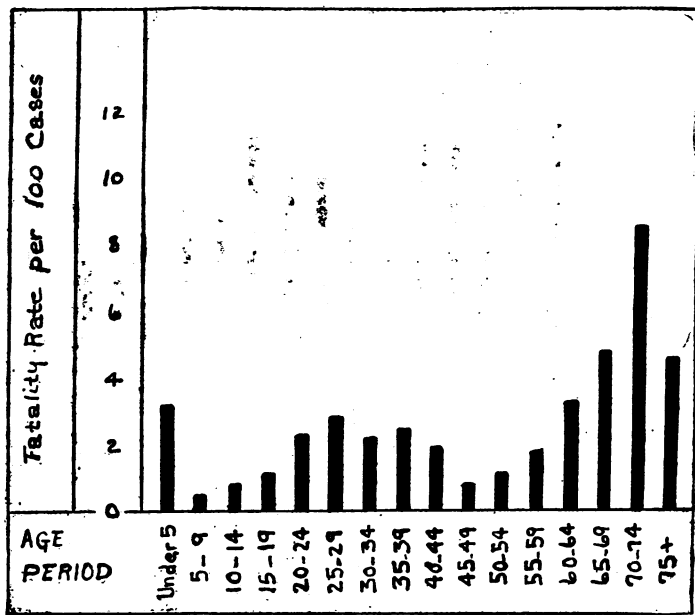


FIG. 3.—Fatality rate per 100 cases of influenza and pneumonia (all forms) among persons of different ages canvassed in Maryland (see Table VII).

fig. 3). The death rate from influenza according to age thus is not an indication of the case incidence; while the incidence rate is highest among children of 5-14 and drops off in the older ages, the death rate is quite low among children of these ages and is markedly high among adults of 20-44 and among adults of advanced ages, although the number of persons in the advanced ages is relatively small. The case incidence among persons of different sexes, as shown in Table VIII, tends to be quite similar at practically all ages, but the death and case fatality rates among males of the ages 20 to 50 were considerably higher than among females of similar ages, the death rate and case fatality rates for males of all ages being somewhat higher than those for females. The number of deaths, however, is too

small to warrant any general inferences as to the rates for different ages.

Acknowledgment is made to the State Department of Health of Maryland and to the local health departments of the various localities in which surveys were made for their cooperation and assistance in conducting these studies.

TYPICAL BUDGET FOR EFFECTIVE ANTIVENEREAL DISEASE ACTIVITIES.

Because of the great interest aroused by the nation-wide campaign carried on by the Public Health Service for the control of venereal diseases, it may be well to reproduce a typical budget showing how the Federal funds allotted to the several States for antivenereal disease work are being expended. The allotments were apportioned on the basis of population and varied from several thousand dollars to nearly \$100,000 per State. The budget here presented is for a State receiving \$30,000. It is believed that this method of presenting the activities carried on will assist those who are about to undertake active work in this important field of public health.

The proportionate amount of money to be allotted to the different phases of the work is fixed by official regulation. This provides that 10 per cent shall be devoted to administration, 50 per cent to treatment, 20 per cent each to repressive measures and to educational measures.

Sample budget, allotment \$30,000.

Activity or project.	Admin- istration, 10 per cent.	Treat- ment, 50 per cent.	Repres- sion, 20 per cent.	Edu- cation, 20 per cent.	Total, 100 per cent.
Salary of State venereal-disease officer.....	\$1,500				\$1,500
Salaries of employees engaged in venereal-disease work.....	840				840
Travel expense accounts.....	360				360
Clerical hire.....	200				200
All other expenses.....	100				100
Salaries of physician and hospital attendants actually engaged in treatment of venereal-disease cases.....		\$3,000			3,000
Cost of arsenamine and other remedies.....		4,000			4,000
Equipment of clinic.....		1,500			1,500
Capital cost of detention hospital.....		3,500			3,500
Maintenance of same.....		2,500			2,500
Incidental expenses.....		500			500
Expenses incurred in prosecuting doctors and others who fail to report venereal-disease cases.....			\$2,000		2,000
Salaries of investigators securing information.....			2,000		2,000
Agents cooperating in law enforcements.....			2,000		2,000
Expenses of printing and distributing printed matter not furnished from Washington: preparation of photos, exhibits, and other educational material; expenses of lecture services.....				\$6,000	6,000
Total.....	3,000	15,000	6,000	6,000	30,000

DEATHS FROM INFLUENZA AND PNEUMONIA IN CITIES.

25 WEEKS—SEPTEMBER 8, 1918, TO MARCH 1, 1919.

The following table shows the registered deaths from influenza and pneumonia (all forms) in 31 large cities of the United States during a period of 25 weeks, from September 8, 1918, to March 1, 1919. The number of deaths from these diseases per 1,000 population for the 25 weeks is also shown. The columns headed "Excess deaths from all causes" are intended to show the number of deaths from all causes during the period covered in excess of the number which would have occurred had the 1917 death rates for the corresponding months prevailed.

For purposes of comparison the number of registered deaths from influenza and pneumonia (all forms) in January, February, September, October, November, and December, 1917, is shown.

The figures are taken from the Weekly Health Index for March 4, 1919, issued by the Bureau of the Census, Department of Commerce.

Deaths from influenza and pneumonia (all forms) in certain large cities of the United States, Sept. 8, 1918, to Mar. 1, 1919, inclusive (25 weeks); also excess deaths from all causes as compared with 1917.

City.	Population July 1, 1918, estimated.	Deaths from—		Deaths from influenza and pneumonia (all forms.)		Excess deaths ¹ from all causes.		For comparison, ² 1917 deaths.
		Influenza.	Pneumonia (all forms).	Number.	Number per 1,000 population.	Number.	Number per 1,000 population.	
Albany, N. Y.	112,565	570	178	748	6.6	534	4.7	110
Baltimore, Md.	669,981	1,956	3,006	4,962	7.4	4,118	6.1	853
Boston, Mass.	785,245	4,711	1,472	6,183	7.9	5,107	6.5	942
Buffalo, N. Y.	473,229	2,172	903	3,075	6.5	2,766	5.8	465
Cambridge, Mass.	111,432	501	197	698	6.3	661	5.9	103
Chicago, Ill.	2,596,681	7,878	5,298	13,176	5.1	9,956	3.8	2,557
Cincinnati, Ohio.	418,022	1,897	366	2,263	5.4	1,670	4.0	418
Cleveland, Ohio.	810,306	3,054	1,351	4,405	5.4	3,254	4.0	787
Columbus, Ohio.	225,266	726	212	938	4.2	710	3.2	227
Dayton, Ohio.	130,655	527	221	748	5.7	400	3.5	142
Fall River, Mass.	128,382	766	136	902	7.0	749	5.8	167
Grand Rapids, Mich.	135,540	96	248	344	2.5	206	1.5	62
Los Angeles, Calif.	568,465	2,636	557	3,193	5.6	2,968	5.2	304
Louisville, Ky.	242,707	150	1,056	1,206	5.0	809	3.6	290
Lowell, Mass.	109,081	174	521	695	6.4	554	5.1	117
Milwaukee, Wis.	453,481	339	1,247	1,586	3.5	1,333	2.9	403
Minneapolis, Minn.	383,442	1,099	194	1,293	3.4	1,023	2.7	206
Nashville, Tenn.	119,215	640	254	894	7.5	928	7.8	144
New Haven, Conn.	154,865	914	227	1,141	7.4	860	5.6	206
New Orleans, La.	382,273	2,199	1,114	3,313	8.7	2,767	7.2	421
New York, N. Y.	5,215,879	15,449	16,541	31,990	6.1	24,329	4.7	6,505
Oakland, Calif.	214,206	975	259	1,234	5.8	1,268	5.9	179
Philadelphia, Pa.	1,761,371	8,807	6,750	15,566	8.8	12,780	7.3	2,394
Pittsburgh, Pa.	593,303	2,545	3,153	5,698	9.6	4,743	8.0	1,333
Providence, R. I.	263,613	1,091	531	1,622	6.2	1,389	5.3	288
Rochester, N. Y.	264,856	1,002	272	1,274	4.8	703	2.7	226
St. Louis, Mo.	779,951	2,188	1,425	3,613	4.6	2,323	3.0	961
St. Paul, Minn.	257,699	894	197	1,091	4.2	852	3.3	158
San Francisco, Calif.	478,530	3,192	503	3,785	7.9	3,586	7.5	260
Toledo, Ohio.	262,234	567	318	885	3.4	561	2.1	179
Washington, D. C.	401,681	2,294	822	3,116	7.8	2,637	6.6	422
Total	19,503,836	72,009	49,598	121,607	6.2	96,674	5.0	21,949

¹ Excess deaths means the number of deaths from all causes in excess of the number which would have occurred had the 1917 death rates for the corresponding months prevailed.

² Number of deaths from influenza and pneumonia (all forms) in January, February, September, October, November, and December, 1917.

³ Large annexation Jan. 1, 1919; population estimated as of July 1, 1919.

DEATHS DURING WEEK ENDED MARCH 1, 1919, IN CITIES.

The following table shows the registered deaths from all causes, and from pneumonia (all forms) and influenza combined, in certain large cities of the United States during the week ended March 1, 1919. The annual death rates per 1,000 population for the week and for the corresponding week of previous years are also shown.

The data are taken from the Weekly Health Index, March 4, 1919, issued by the Bureau of the Census, Department of Commerce. The populations used in computing the rates are estimated by the Bureau of the Census as of July 1, 1918.

Registered deaths and annual death rates per 1,000 population in certain large cities of the United States, week ended Mar. 1, 1919—Deaths from all causes, and from pneumonia (all forms) and influenza combined.

City.	Population, July 1, 1918, estimated.	Total deaths, all causes.	Annual death rate per 1,000.	Annual death rate for preceding years. ¹	Influenza and pneumonia (all forms).	
					Number of deaths.	Annual rate per 1,000.
Albany, N. Y.	112,565	44	20.4	C 21.8	12	5.6
Atlanta, Ga.	201,732	72	18.6	C 19.1	...	...
Baltimore, Md.	269,981	272	21.2	A 20.2	66	5.1
Birmingham, Ala.	197,670	74	19.5	A 18.7	...	...
Boston, Mass.	785,245	279	18.5	A 19.1	70	4.6
Buffalo, N. Y.	473,229	195	21.5	C 17.2	44	4.9
Cambridge, Mass.	111,432	27	12.6	A 16.1	2	.9
Chicago, Ill.	2,596,681	867	17.4	A 17.4	230	4.6
Cincinnati, Ohio.	418,022	214	26.7	C 19.2	90	11.2
Cleveland, Ohio.	810,306	259	16.7	C 13.5	94	6.0
Columbus, Ohio.	225,296	86	19.9	C 13.9	27	6.2
Dayton, Ohio.	130,655	52	20.8	C 14.8	16	6.4
Denver, Colo.	...	96	...	...	...	...
Fall River, Mass.	128,392	31	12.6	C 15.8	13	5.3
Grand Rapids, Mich.	135,450	35	13.5	C 15.0	...	...
Indianapolis, Ind.	289,577	114	20.6	C 18.4	...	...
Kansas City, Mo.	313,785	165	27.4	C 18.9	55	9.1
Los Angeles, Calif.	568,495	147	13.5	A 14.6	14	1.3
Louisville, Ky.	242,707	116	24.9	C 25.1	34	7.3
Lowell, Mass.	109,081	52	24.9	A 20.7	13	6.2
Memphis, Tenn.	154,759	74	24.9	C 27.6	15	5.1
Milwaukee, Wis.	453,481	94	10.8	A 14.4	...	...
Minneapolis, Minn.	383,442	107	14.6	C 12.1	...	...
Nashville, Tenn.	119,215	61	26.7	C 19.7	19	8.3
Newark, N. J.	428,684	163	19.8	C 19.9	54	6.6
New Haven, Conn.	154,865	49	16.5	C 21.9	...	...
New Orleans, La.	382,273	163	22.2	A 22.1	30	4.1
New York, N. Y.	5,215,879	2,158	21.6	C 17.9	904	9.0
Oakland, Calif.	214,206	47	11.4	A 11.7	...	...
Omaha, Nebr.	180,264	40	11.6	C 12.4	...	...
Philadelphia, Pa.	1,761,371	682	20.2	A 18.4	207	6.1
Pittsburgh, Pa.	583,303	287	25.2	C 19.5	134	11.8
Portland, Oreg.	...	70	...	...	7	...
Providence, R. I.	263,613	93	18.4	C 17.0	21	4.2
Richmond, Va.	160,719	60	19.5	C 23.4	10	3.2
Rochester, N. Y.	264,855	79	15.6	C 16.5	7	1.4
St. Louis, Mo.	779,951	257	17.2	C 17.6	81	5.4
St. Paul, Minn.	257,699	52	10.5	C 9.3	...	...
San Francisco, Calif.	478,530	182	19.8	C 18.4	21	2.3
Seattle, Wash.	...	71	...	...	12	...
Spokane, Wash.	...	19	...	...	...	...
Syracuse, N. Y.	161,404	67	21.6	C 16.2	...	...
Toledo, Ohio.	262,234	69	13.7	A 15.1	14	2.8
Washington, D. C.	401,681	163	21.2	A 20.5	35	4.5
Worcester, Mass.	173,650	60	18.0	C 15.9	8	2.4

¹ "A" indicates that the rate given is the average annual death rate per 1,000 population for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates that the rate is the annual death rate per 1,000 population for the corresponding week of 1918.

² Population estimated as of July 1, 1919.

³ Rate is based on statistics of 1915, 1916, and 1917.

EPIDEMIC INFLUENZA IN GREECE.

The Public Health Service is indebted to the American consul general at Athens, Greece, for the following very instructive report concerning the epidemic of influenza in that city last fall. This report was made by Dr. T. G. Filtzos, inspector for the American consulate general, under date of January 16, 1919.

"The actual conditions which cause the influenza virus to take on increased virulence are as yet not known, but in this case the epidemic was probably caused by the abnormal conditions of living, both mental and physical, the lack of food, and overwork, all being the result of the war.

"The first appearance of influenza in Greece occurred last summer, toward the end of May; the symptoms were but slight and the people who were attacked suffered for three or four days with fever, accompanied by nervous symptoms. It was called at the time 'Spanish fever,' from the country where it first made its appearance.

"Since the month of September the epidemic became worse and caused a considerable rise in the mortality. Many cases complicated with broncho-pneumonia appeared then all over the country, and of these cases perhaps 50 per cent were fatal. The most ordinary cases appeared with a general cyanosis, which spread the rumor of the existence of plague and cholera. The people were alarmed and the sanitary authorities were constrained to carefully go into the matter and issue instructions as to the nature of the disease and the necessary steps to be taken to avoid contamination and complications. Among these measures were the closing of schools, both private and public, and of nocturnal theaters and cinemas. People were then instructed to avoid the overcrowded places and trams and to retire to bed with first symptoms of malaise; they were further informed that coughing and sneezing were the means of spreading the disease from person to person. Owing to these prophylactic measures, or rather to the lapse of time, the disease began to decrease toward the middle of December, or rather began to lose its severe and fatal form, as appears from the figures of deaths given below.

"The death statistics of Athens and Piraeus for the following months were as follows:

	Deaths from influ- enza.	Total deaths.
Athens—August, 1918.....	108	613
Athens and Piraeus:		
September.....	115	771
October.....	605	1,430
November.....	670	1,515
December (until 26th).....	229	771

"The ages that suffered most and had most of the fatal cases were between 20 and 45. The symptomatic treatment has generally been followed here. In the beginning of the disease most of the doctors tried the injection of corrosive sublimate in solution, but very soon it was abandoned, owing to rather bad effects. The colloidal metals

either prepared locally as colloidal silver or as electrargol by subcutaneous or intravenous injections, if there are no complications, have also been tried, and it would appear that this treatment gives very good results. Vaccine treatment was not tried here at all."

COMMON TOWELS.

COURT CONSTRUES LAWS PROHIBITING USE IN PUBLIC PLACES.

The need for exercising great care in drawing up legislation is well illustrated by a recent decision¹ of the Supreme Court of Appeals of Virginia. Two acts² passed by the Virginia Legislature in 1916 prohibited the placing, keeping, or use of common towels in any public lavatory. The accused was the manager of an office building, which was rented to different individuals. On each floor was a lavatory which was kept locked and was only for the use of the tenants of the building. In a prosecution for an alleged violation of the acts referred to the court decided in favor of the accused, holding that the lavatories were not public lavatories.

The court said:

The gravamen of the offense is that the lavatory in which the towel is used in common shall be a public lavatory, which can not be affirmed of lavatories installed in an office building owned by a private individual for the convenience of tenants of the building, which are kept locked so that no one can enter them except tenants of the building, which tenants were furnished with keys by the accused. A public lavatory, on the other hand, is one that is open to all who may choose to use it; as, for example, lavatories in railway trains or steamboats, which are provided and kept open for the use and convenience of all of the public who travel thereon, or in buildings to which the public generally have a right to resort, and which are equipped with open lavatories for their use.

EPIDEMIC INFLUENZA.

PREVALENCE IN THE UNITED STATES.

Telegraphic reports for the week ended March 8, 1919, indicate little change in the prevalence of influenza in the United States.

The officer in charge of the civil sanitary zone around Camp Zachary Taylor reports 1,118 cases of influenza during the week, 761 of which were in Louisville, Ky. (See p. 519.) During the week ended March 1, 784 cases were reported from this zone.

As compared with the preceding week, increases in the number of cases were reported by the State health officers of Arkansas, California, Iowa, Kansas, Louisiana, Maine, and Vermont. Decreases were reported from Alabama, Connecticut, Illinois, New Jersey, North Carolina, Oregon, and Virginia. (See p. 515.)

¹ *Irvine v. Commonwealth*, 97 S. E., 769.

² Reprint 406 from Pub. Health Repts., p. 201, chs. 160, 278.

PREVALENCE OF DISEASE.

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

UNITED STATES.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED MAR. 8.

CHARLESTON SANITARY DISTRICT, S. C.	Cases.	FAYETTEVILLE SANITARY DISTRICT, N. C.	Cases.
Charleston:		Chicken pox.....	1
Influenza.....	9	Influenza.....	8
Measles.....	1	Measles.....	20
CAMP DEVENS ZONE, MASS.		Mumps.....	1
Ayer:		Pneumonia.....	5
German measles.....	1	CAMP FUNSTON ZONE, KANS.	
Influenza.....	1	Influenza:	
Lancaster:		Cicburne.....	5
Measles.....	2	Junction City.....	10
Whooping cough.....	5	Manhattan.....	36
Lunenburg:		Manhattan (rural).....	29
Measles.....	15	Pettawatomie County.....	7
CAMP DIX ZONE, N. J.		Mumps:	
Pemberton Township:		Junction City.....	2
Influenza.....	1	Manhattan.....	8
Pneumonia.....	1	Pneumonia:	
CAMP DODGE ZONE, IOWA.		Junction City.....	5
Des Moines:		Manhattan.....	2
Cerebrospinal meningitis.....	1	Scarlet fever:	
Chicken pox.....	5	Junction City.....	11
Diphtheria.....	3	Manhattan.....	11
Gonorrhoea.....	5	Smallpox:	
Measles.....	2	Cicburne.....	4
Scarlet fever.....	14	GAS AND FLAME SCHOOL ZONE, GA. AND ALA.	
Smallpox.....	3	Columbus:	
Syphilis.....	2	Gonorrhoea.....	6
Grimes:		Influenza.....	3
Scarlet fever.....	1	Measles.....	8
CAMP EBERTS ZONE, ARK.		Mumps.....	1
Gonorrhoea:		Pneumonia.....	4
Lonoke.....	1	Scarlet fever.....	1
Influenza:		Emaipox.....	4
Carlisle.....	3	Syphilis.....	3
England.....	1	Whooping cough.....	2
Keo.....	2	Cirard:	
Lonoke.....	2	Pneumonia.....	1
Lonoke, R. F. D.....	1	Syphilis.....	1
Meto.....	1	Museegee County:	
Mumps:		Gonorrhoea.....	1
Ward.....	1	Influenza.....	3
Pneumonia:		Measles.....	1
Carlisle.....	1	Pneumonia.....	1
Septic sore throat:		Smallpox.....	3
Ward.....	1		

CAMP GORDON ZONE, GA.	
Atlanta:	Cases.
Chaneroid.....	1
Chicken pox.....	4
Gonorrhoea.....	14
Influenza.....	9
Measles.....	8
Mumps.....	3
Pneumonia.....	2
Scarlet fever.....	5
Smallpox.....	83
Syphilis.....	22
Tuberculosis.....	3
GULFPORT HEALTH DISTRICT, MISS.	
Diphtheria:	
Biloxi.....	1
Gonorrhoea:	
Biloxi.....	1
Logtown.....	1
Pascagoula.....	1
Influenza:	
Biloxi.....	2
Gulfport.....	5
Kreole.....	1
Long Beach.....	2
Mississippi City.....	1
Orange Grove.....	2
Pascagoula.....	1
Pass Christian.....	2
Malaria:	
Escatawpa.....	1
Ford.....	1
Gulfport.....	1
Moss Point.....	9
Pascagoula.....	1
Saucier.....	1
Measles:	
Lyman.....	1
Mumps:	
Gulfport.....	2
Handsboro.....	1
Mississippi City.....	10
Moss Point.....	2
Pneumonia:	
Lyman.....	1
Pascagoula.....	2
Scarlet fever:	
Biloxi.....	2
Syphilis:	
Logtown.....	1
Pascagoula.....	1
Typhoid fever:	
Mississippi City.....	1
Whooping cough:	
Biloxi.....	6
Ford.....	1
Moss Point.....	1
Saucier.....	1
CAMP HUMPHREYS ZONE, VA.	
Chicken pox:	
Alexandria.....	2
Gonorrhoea:	
Alexandria.....	3

CAMP HUMPHREYS ZONE, VA.—continued.	
Influenza:	Cases.
Alexandria.....	25
Alexandria County.....	2
Fairfax County.....	2
Fredericksburg.....	23
Malaria:	
Alexandria.....	1
Mumps:	
Alexandria.....	1
Fredericksburg.....	4
Pneumonia:	
Alexandria.....	2
Alexandria County.....	1
Fairfax County.....	1
Fredericksburg.....	5
Syphilis:	
Alexandria.....	1
Tonsilitis:	
Alexandria.....	7
Tuberculosis, pulmonary:	
Alexandria.....	1
Typhoid fever:	
Alexandria.....	1
Whooping cough:	
Fredericksburg.....	2
CAMP JACKSON ZONE, S. C.	
Columbia:	
Chicken pox.....	1
Diphtheria.....	1
Influenza.....	3
Measles.....	3
Meningitis.....	1
Mumps.....	4
Scarlet fever.....	1
Whooping cough.....	1
Government clinic:	
Gonorrhoea.....	8
Syphilis.....	17
CAMP LEE ZONE, VA.	
Petersburg:	
Chaneroid.....	1
Gonorrhoea.....	5
Influenza.....	80
Measles.....	1
Mumps.....	1
Syphilis.....	4
CAMP LEWIS ZONE, WASH.	
Measles:	
Lake City.....	10
Smallpox:	
Lakeview.....	2
Nisqually Reservation.....	1
Tuberculosis:	
Lake City.....	1
CAMP MERRITT ZONE, N. J.	
Englewood:	
Chicken pox.....	4
Diphtheria.....	1
Influenza.....	11
Mumps.....	2
Pneumonia.....	5
Scarlet fever.....	1
Tuberculosis.....	1

MUSCLE SHOALS SANITARY DISTRICT, ALA.

Colbert County:	Cases.
Diphtheria.....	1
Mumps.....	1
Smallpox.....	1
Lauderdale County:	
Measles.....	1
Mumps.....	14
Smallpox.....	2

PICRIC ACID PLANT ZONE, GA.

Brunswick:	Cases.
Gonorrhea.....	7
Influenza.....	1
Measles.....	13
Smallpox.....	2
Syphilis.....	4
Tuberculosis.....	3

CAMP PIKE ZONE, ARK.

Little Rock:	Cases.
Chicken pox.....	2
Erysipelas.....	1
Gonorrhea.....	22
Influenza.....	21
Malaria.....	2
Mumps.....	5
Pneumonia.....	8
Scarlet fever.....	6
Syphilis.....	11
Tuberculosis.....	5
North Little Rock:	
Gonorrhea.....	3
Influenza.....	1
Mumps.....	3
Pneumonia.....	1
Syphilis.....	2

CAMP POLK ZONE, N. C.

Chicken pox:	
Durham.....	2
Wake County.....	2
Measles:	
Durham County.....	2
Wake County.....	2
Pneumonia:	
Durham.....	1
Septic sore throat:	
Durham County.....	1
Wake County.....	1
Smallpox:	
Durham.....	3
Raleigh.....	1
Wake County.....	2
Typhoid fever:	
Wake County.....	1
Whooping cough:	
Wake County.....	5

PORTSMOUTH AND NORFOLK COUNTY HEALTH DISTRICT, VA.

Norfolk:	Cases.
Influenza.....	13
Measles.....	1
Norfolk County:	
Smallpox.....	2
Tetanus.....	1

PORTSMOUTH AND NORFOLK COUNTY HEALTH DISTRICT, VA.—continued.

Portsmouth:	Cases.
Chicken pox.....	1
Diphtheria.....	1
Gonorrhea.....	3
Measles.....	10
Meningitis.....	1

CAMP SHERIDAN ZONE, ALA.

Government clinic:	Cases.
Chancroid.....	1
Gonorrhea.....	6
Syphilis.....	9
Montgomery:	
Chicken pox.....	1
Gonorrhea.....	2
Typhoid fever.....	1

CAMP SHERMAN ZONE, OHIO.

Chillicothe:	Cases.
Diphtheria.....	1
Influenza.....	59
Pneumonia.....	4
Government clinic:	
Gonorrhea.....	7
Syphilis.....	2
Ross County:	
Influenza.....	21
Pneumonia.....	1

SOUTHER FIELD ZONE, GA.

Americus:	
Chicken pox.....	1
Fifteenth district:	
Smallpox.....	1
Syphilis.....	1

CAMP ZACHARY TAYLOR ZONE, KY. AND IND.

Chicken pox:	
Louisville.....	2
Diphtheria:	
Jefferson County.....	3
Louisville.....	8
Gonorrhea:	
County jail clinic.....	1
Government clinic.....	23
Influenza:	
Clark County.....	78
Jefferson County.....	220
Jeffersonville.....	25
Louisville.....	761
New Albany.....	34
Measles:	
Clark County.....	2
Louisville.....	11
Pneumonia:	
Louisville.....	22
Scarlet fever:	
Jefferson County.....	1
Louisville.....	4
New Albany.....	2
Smallpox:	
Louisville.....	2
Syphilis:	
County jail clinic.....	1
Government clinic.....	22

CAMP ZACHARY TAYLOR ZONE, KY. AND IND.—
continued.

	Cases.
Tuberculosis, pulmonary:	
Louisville.....	10
Typhoid fever:	
Louisville.....	1
Whooping cough:	
Louisville.....	1

TIDEWATER HEALTH DISTRICT, VA.

Hampton:	
Chicken pox.....	3
Newport News:	
Cerebrospinal meningitis.....	1
Chicken pox.....	3
Gonorrhoea.....	27
Influenza.....	3
Measles.....	1
Mumps.....	4
Pneumonia.....	2
Scarlet fever.....	1
Smallpox.....	4
Syphilis.....	2
Tuberculosis.....	1
Venereal (other than gonorrhoea and syphilis).....	4
Phoebus:	
Mumps.....	2

CAMP TRAVIS ZONE, TEX.

San Antonio:	
Chancroid.....	1
Diphtheria.....	2

CAMP TRAVIS ZONE, TEX.—continued.

San Antonio—Continued.	Cases.
Gonorrhoea.....	17
Measles.....	2
Pneumonia.....	4
Smallpox.....	1
Syphilis.....	10
Typhoid fever.....	1

CAMP UPTON ZONE, N. Y.

Brook Haven:	
Pneumonia, broncho.....	2
Riverhead:	
Chicken pox.....	1
German measles.....	1
Pneumonia.....	1

WILMINGTON SANITARY DISTRICT, N. C.

East Wilmington:	
Influenza.....	1
Mumps.....	1
Sea Gate:	
Influenza.....	1
Wilmington:	
Chicken pox.....	1
Gonorrhoea.....	26
Influenza.....	7
Meningitis.....	1
Pellagra.....	1
Scarlet fever.....	1
Syphilis.....	8
Tuberculosis.....	2

DISEASE CONDITIONS AMONG TROOPS IN THE UNITED STATES.

The following data are taken from telegraphic reports received in the office of the Surgeon General of the United States Army for the week ended February 28, 1919. Reports from the American Expeditionary Forces are delayed in transmission, and the "current week" for troops in the American Expeditionary Forces is not the same period as "current week" for troops in the United States.

	Current week.	Last week.
Annual admission rate per 1,000 (all causes).....	1,165.58	1,202.50
All troops in United States.....	1,211.70	1,442.95
American Expeditionary Forces.....	1,150.30	1,118.00
Annual admission rate per 1,000 (disease only).....	993.50	977.99
All troops in United States.....	1,011.82	1,213.62
American Expeditionary Forces.....	987.49	895.17
Noneffective rate per 1,000 on day of report.....	53.13	52.92
All troops in United States ¹	64.80	63.73
American Expeditionary Forces.....	49.23	49.13
Annual death rate per 1,000 (all causes).....	17.33	15.95
All troops in United States ¹	10.08	10.47
American Expeditionary Forces.....	19.75	17.89
Annual death rate per 1,000 (disease only).....	14.38	12.91
All troops in United States ¹	9.61	9.85
American Expeditionary Forces.....	15.97	13.99

¹ Sick and death rates among troops in the United States will continue to be relatively high, as the numerical strength of troops in the United States continues to decline from week to week as a result of demobilization. Well men only are eligible for discharge, while the sick and otherwise disabled are retained in service for further treatment. The continued influx of sick and wounded (properly chargeable to commands overseas) is another factor tending to increase rates in the United States and to diminish correspondingly similar rates overseas.

Cases of special diseases reported during the week ended Feb. 28, 1919.

Camp.	Pneumonia.	Dysentery.	Malaria.	Venereal diseases.		Influenza.	Measles.	Meningitis.	Scarlet fever.	Annual admission rate per 1,000 (disease only).	Non-effective rate per 1,000 on day of report
				Total.	New infections.						
Beauregard.....	4		2	12						1,533.31	54.56
Bowie.....	5		1	13	7	1	14	1		2,135.28	111.82
Bragg.....										323.98	15.57
Fremont.....	1			3		1				875.08	247.24
Greene.....	1			8		2	1			1,014.18	76.49
Hancock.....	4			49	4					996.25	56.57
Kearny.....				48	4					1,417.75	59.93
Logan.....	1			4		2	1			530.34	27.53
MacArthur.....			1	10		3			1	632.33	21.23
McClellan.....	2			7	1					710.16	102.17
Sevier.....				8	4	9				557.93	37.01
Shelby.....				10	4	1				1,470.86	59.01
Sheridan.....	1			1						1,244.98	63.47
Wadsworth.....	1			7	3			1		1,141.25	81.48
Wheeler.....	1			6		3	1			714.35	58.73
Custer.....	2			8	6		1		3	1,224.72	81.57
Devens.....	2			11	3	2		1		695.41	86.73
Dix.....	3			19	8	1	2			785.26	68.73
Dodge.....	7			36	1	4			10	1,605.97	134.21
Eustis.....			1	4		19	1			1,085.86	31.73
Funston.....				11	6	5			6	633.67	64.85
Gordon.....	3			17		16	2			1,437.07	75.14
Grant.....	4			3		7	4			1,027.27	74.06
Humphreys.....	4			12	3	9		1		683.83	25.97
Jackson.....	9		1	15		15	3		2	1,097.08	66.12
J. E. Johnston.....	1			5					4	629.82	11.35
Henry Knox.....									4	1,454.82	55.57
Las Casas.....				3						1,747.50	82.65
Lee.....	7		1	38	20	3	1		1	1,285.65	80.07
Lewis.....	8			29		5	2	1	3	889.94	69.45
Meade.....	10			35	5	1			3	292.91	75.25
Pike.....	6		2	25		9	1		2	1,768.22	129.64
Sherman.....	8			11		19	1		1	1,613.49	125.46
Taylor.....	27			5	3	81			7	1,161.45	117.35
Travis.....	4			42		3	3			2,726.21	99.22
Upton.....	6			12	1	26	1	1		1,686.48	111.18
Northeastern Department.....				9	6	1				789.43	26.41
Eastern Department.....	3			17	6	22	3		1	734.57	24.40
Southeastern Department.....			1	10	4	6				1,202.25	34.77
Central Department.....				2		2			1	1,227.08	29.41
Southern Department.....	16			52	5	128	2		5	971.30	56.35
Western Department.....	1			8	5	5			1	665.74	16.69
Aviation camps.....	2		3	34		19	2			821.05	38.35
Ports of embarkation:											
Hoboken.....	17			14	2	93			2	1,379.78	121.31
Newport News.....	31			64	12	54	8	3	7	1,680.39	125.98
Alcatraz, disciplinary barracks.....										860.92	23.17
Leavenworth, disciplinary barracks.....	10									1,317.54	39.78
Columbus barracks.....				4	3					1,484.42	46.71
Jefferson barracks.....				3		3			3	997.52	112.83
Fort Logan.....				2	1					818.25	29.11
Fort McDowell.....				11		1				1,303.83	33.92
Fort Sill.....	1			10	10	12			3	823.62	44.21
Fort Slocum.....				1	1					315.15	36.36
Fort Thomas.....				1	1					1,200.57	73.59
West Point.....										711.48	14.87
Arsenals.....	6			12	1	2	6		3	608.21	30.82
Miscellaneous small stations.....	8			14	1	12	1			577.77	33.88
Total.....	227		13	795	141	607	64	8	67	1,011.82	64.80

Number of deaths and annual rates per 1,000 at large camps in United States, week ended Feb. 28, 1919.

Camp.	Strength.	Deaths.		Deaths—Annual rate per 1,000.	
		All causes.	Disease only.	All causes.	Disease only.
Beauregard.....	4,307	1	1	12.07	12.07
Bowie.....	5,455				
Bragg.....	642				
Fremont.....	1,545				
Greene.....	3,948	2	1	26.34	13.17
Hancock.....	6,681	2	2	15.56	15.56
Kearny.....	4,438	1	1	11.71	11.71
Logan.....	3,922				
MacArthur.....	5,263				
McClellan.....	3,954	1	1	13.15	13.15
Sevier.....	3,728				
Shelby.....	4,101				
Sheridan.....	3,592				
Wadsworth.....	4,283	1	1	12.14	12.14
Wheeler.....	2,111				
Custer.....	8,704	1	1	5.97	5.97
Devens.....	8,001	1	1	6.49	6.49
Dix.....	21,718	1	1	2.39	2.39
Dodge.....	10,549	2	2	9.85	9.85
Eustis.....	7,279				
Funston.....	9,437	1	1	5.51	5.51
Gordon.....	9,408				
Grant.....	16,351	4	3	12.72	9.54
Humphreys.....	9,201				
Jackson.....	11,660	2	2	8.91	8.91
J. K. Johnston.....	1,321				
Henry Knox.....	2,645	1	1	19.65	19.65
Las Cases.....	1,101				
Lee.....	15,407	1	1	3.37	3.37
Lewis.....	13,031				
Meade.....	15,796	1	1	3.29	3.29
Pike.....	8,793	2	2	11.82	11.82
Sherman.....	11,861	5	5	21.92	21.92
Taylor.....	15,672	17	17	56.41	56.41
Travis.....	10,302	2	2	10.09	10.09
Upton.....	10,733	1	1	4.84	4.84
Northeastern Department.....	5,072				
Eastern Department.....	29,390	2	2	3.51	3.51
Southeastern Department.....	5,493				
Central Department.....	5,848	1	1	8.89	8.89
Southern Department.....	40,415	6	6	7.71	7.71
Western Department.....	11,565				
Aviation camps.....	33,060	1		1.57	
Ports of embarkation:					
Hoboken.....	27,214	13	13	24.84	24.84
Newport News.....	26,519	7	7	13.72	13.72
All others.....	93,124	26	24	14.51	13.40
Total.....	551,821	107	102	10.08	9.61

Annual admission rate per 1,000 for certain diseases.

Disease.	Troops in United States.		American Expeditionary Forces.	
	Current week.	Last week.	Current week.	Last week.
Pneumonia.....	21.39	21.56	49.16	39.89
Dysentery.....		.08	.50	1.05
Malaria.....	1.22	1.32	.12	.21
Venereal.....	74.91	70.75	32.27	44.10
Paratyphoid.....			.12	.40
Typhoid.....	.09	.17	1.23	2.87
Measles.....	6.03	8.44	1.54	1.30
Meningitis.....	.75	.44	2.14	1.70
Scarlet fever.....	6.31	6.16	1.57	1.79
Influenza.....	57.20	48.40		

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended March 8, 1919.

Alabama.—State totals: Typhoid fever 1, malaria 3, smallpox 25, measles 91, scarlet fever 5, diphtheria 5, influenza 116.

Arkansas.—State totals: Influenza, 99, meningitis 1, chicken pox 25, malaria 22, measles 16, ophthalmia 5, pellagra 3, scarlet fever 4, smallpox 31, tuberculosis 7, typhoid fever 12.

California.—Influenza cases reported 363, a slight increase over last week. Smallpox cases reported 40—Chico 19, Marysville 9, Redlands 2, Tulare County 5, balance of cases scattered over the State. Seven cases of typhoid fever—Oakland 4, Berkeley 1, Long Beach 1, Riverside 1. One case of poliomyelitis reported from Oakland. One case of cerebrospinal meningitis reported from Tulare County.

Connecticut.—No outbreak or unusual prevalence. Influenza cases reported in State, 165.

Florida.—State totals: Typhoid fever 5, scarlet fever 4, dysentery 3, trachoma 9. One case epidemic meningitis at Jacksonville.

Illinois.—Diphtheria 175, of which in Chicago 151; scarlet fever 97, of which in Chicago 69; smallpox 63, of which in Peoria 11, Pekin 10, Mound City 7, Wheeling 6, Bloomington 4; meningitis, in Chicago 1, East St. Louis 1; poliomyelitis, in Chicago 3, Eldorado 1; gonorrhoea 111, syphilis 75, influenza 1,138 (of which in Chicago 349). Recrudescence of influenza noted in following communities: Versailles Township (Brown County) 12, Herscher 26, Streator 11, Centralia Township (Marion County) 18, Waterloo 16, Beaucoup precinct (Perry County) 30, Springfield 111, Freeport 11, Butler Township (Vermilion County) 13.

Indiana.—Influenza cases reported in State 1,520. Scarlet fever: Present in White, Hendricks, Randolph, Porter, Elkhart, and Wells counties. Smallpox: Present in Vermilion, Laporte, Fayette, Parke, Porter, and Fulton counties, Delaware County 32, Elkhart County 64. Typhoid fever: Parke 1, Elkhart 1. Rabies: Spencer 1, Cass 1. Diphtheria: Fort Wayne 9, Elkhart County 3, Wayne County 3, Newton 1, Tipton 1, Randolph 1, Fountain 3, Marshall 1, Shelby 2, Clinton 1, Tippecanoe 2, Greene 2, and Johnson 2. Syphilis 27, gonorrhoea 43.

Iowa.—Cerebrospinal meningitis: Des Moines 1. Chicken pox Dubuque 10. Diphtheria: Davenport 2, Des Moines 3. Gonorrhoea: Audubon 1, Cedar Rapids 2, Correctionville 1, Davenport 2, Des Moines 6, Dubuque 3, Mason City 2, Newton 3, Oskaloosa 1, Sioux City 14, Stacyville 1. Measles: Bellevue 1. Scarlet fever: Albion 1, Cedar Rapids 1, Clarksville 2, Danville 2, Davenport 2, Des Moines 13, Goodell 5, Harlan 1, Ottosen 1, South Fort Des Moines 1, West Bend 3. Smallpox: Boone 3, Cedar Rapids 10, Council Bluffs 1,

Davenport 11, Des Moines 2, Dubuque 1, Ottumwa 3. Syphilis: Cedar Rapids 1, Davenport 8, Dubuque 2, Keokuk 1, Minden 1, Sioux City 2. In rural districts of following counties. Diphtheria: Boone 1, Dallas 1, Kossuth 1, Marion 1, Tama 1. Scarlet fever: Dallas 4, Delaware 1, Des Moines 4, Harrison 1, Henry 1, Jackson 1, Jasper 1, Kossuth 1, Marshall 1, Monroe 3, Union 2, Winnebago 1. Smallpox: Boone 3, Des Moines 2, Floyd 1, Grundy 2, Johnson 1, Lucas 1, Monona 1. Influenza cases reported in State, 485.

Kansas.—State totals: Typhoid fever 4, smallpox 66, diphtheria 19, scarlet fever 89, influenza 3,759. Counties reporting increases over 100 cases of influenza: Crawford, Ford, Marion, Osage, Mitchell, Pratt, Reno, Rice, and Smith. Cities reporting increases over 100 cases: Wichita and Topeka.

Louisiana.—State totals: Influenza 220, smallpox 39, typhoid fever 2, diphtheria 6, meningitis 1.

Maine.—Cerebrospinal meningitis: Coplin 1. Chicken pox: Lewiston 1. Diphtheria: Greenbush 1, Oldtown 2, Portland 1. Gonorrhoea: Augusta 1, Bath 3, Belfast 2, Biddeford 2, Brighton 2, Columbia Falls 1, Hebron 1, Lewiston 2, Portland 7, Skowhegan 1, Waterville 1. Mumps: Sanford 1. Scarlet fever: Livermore 3, Oldtown 12, Portland 7. Smallpox: Bath 1, Turner 2, Lewiston 1. Syphilis: Bangor 2, Bath 1, Calais 1, Portland 13, Waterville 1. Tuberculosis: Four cases reported. Typhoid fever: Jackman 2. Whooping cough: Baileyville 20. Influenza: Sixty-three cases reported.

Massachusetts.—No unusual prevalence.

Minnesota.—Smallpox (new foci): Crow Wing County—Brainard city 1; Koochiching County—International Falls village 1; Kanabec County—Peace Township 1, Poroy Township 2. Syphilis 50, gonorrhoea 92, chancroid 1.

New Jersey.—Reported cases: Influenza 815, pneumonia 275. No unusual prevalence of other diseases.

New York.—Outside of New York City. Typhoid fever: Nineteen. Measles: Cases 325, of which in Wellsville town and village 55, in Erie County 71, in Niagara County 47. Scarlet fever: Cases 200. Whooping cough: Cases 38. Diphtheria: Cases 228, of which in Cattaraugus County 17, in Erie County 89. Smallpox: In Albany city 1, Mechanicsville 1. Cerebrospinal meningitis: Cases 3. Poliomyelitis: One. Pneumonia: Cases 218. Voluntary reports: Syphilis 119, gonorrhoea 25.

North Carolina.—State totals: Whooping cough 180, measles 344, diphtheria 16, scarlet fever 9, septic sore throat 6, smallpox 96, chicken pox 35, infantile paralysis 1, typhoid fever 5, epidemic meningitis 1, broncho-pneumonia 39, lobar pneumonia 29, paratyphoid fever 1, syphilis 12, gonorrhoea 30, chancroid 2. Cases of

influenza reported by counties: Cleveland 75, Franklin 1, Gaston 7, Stokes 37, Surry 35. Influenza cases reported in city of Charlotte, 49.

Ohio.—Smallpox under control. Scarlet fever: Portage County 27, Clarendon Township (Marion County) 6. Diphtheria: Chillicothe 9, Urichsville 5. Trachoma: Portsmouth 55.

Oregon.—Influenza: Portland 18 cases (2 deaths), Clackamas County 6, Linn County 4, Multnomah County 1.

Vermont.—Thirteen towns report 265 cases of influenza. No other unusual prevalence.

Virginia.—One case cerebrospinal meningitis at Norfolk. Several cases smallpox in King William County. Thirty-four cases influenza reported in State. Thirteen cases lethargic encephalitis reported in State (Mar. 1 to 12), of which in Richmond 4, in Petersburg 2, Amelia County 1, Powhatan County 1, Mecklenburg County 1, Nottoway County 1, Suffolk County 1; with 2 cases brought into State from North Carolina for treatment.

ANTHRAX.

City Report for Week Ended Feb. 22, 1919.

There was one case of anthrax reported in New York, N. Y., during the week ended February 22, 1919.

CEREBROSPINAL MENINGITIS.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

	Cases.		Cases.
Camp Dodge zone, Iowa.....	1	Tidewater health district, Va.....	1

State Reports for January, 1919.

Place.	New cases reported.	Place.	New case reported.
Alabama:		Virginia:	
Houston County.....	1	Campbell County.....	2
Jefferson County.....	8	Princess Anno County.....	1
Tuscaloosa County.....	1	Prince George County.....	5
Total.....	10	Prince William County.....	1
		Rockbridge County.....	1
Kansas:		Spotsylvania County—	•
Bourbon County—		Fredericksburg.....	1
Fort Scott.....	1	Total.....	11
Butler County—			
Eldorado (I R. D.).....	1		
Marion County—			
Durham.....	1		
Total.....	3		

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended Feb. 22, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....	1	.....	Kalamazoo, Mich.....	1	.....
Asheville, N. C.....	.....	1	Kansas City, Mo.....	.....	1
Baltimore, Md.....	3	3	Louisville, Ky.....	3	3
Beatrice, Nebr.....	1	.....	Lynn, Mass.....	.....	1
Belhairs, Ohio.....	1	1	Memphis, Tenn.....	1	1
Birmingham, Ala.....	1	.....	Milwaukee, Wis.....	1	1
Boston, Mass.....	3	3	Newark, N. J.....	1	2
Bridgeport, Conn.....	.....	1	New York, N. Y.....	6	3
Brunswick, Ga.....	1	.....	Philadelphia, Pa.....	6	.....
Chanute, Kans.....	.....	1	San Antonio, Tex.....	2	1
Charleston, W. Va.....	.....	2	San Francisco, Calif.....	1	.....
Chicago, Ill.....	5	1	Somerville, Mass.....	1	1
Cincinnati, Ohio.....	1	1	Spartanburg, S. C.....	1	.....
Erie, Pa.....	1	.....	Waterbury, Conn.....	1	.....
Highland Park, Mich.....	3	1	Worcester, Mass.....	1	1
Ironwood, Mich.....	1	.....		

CHANCROID.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.	Cases.
Camp Gordon zone, Ga..... 1	Camp Sheridan zone, Ala..... 1
Camp Lee zone, Va..... 1	Camp Travis zone, Tex..... 1

DIPHThERIA.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.	Cases.
Camp Dodge zone, Iowa..... 3	Portsmouth and Norfolk County health district, Va..... 1
Gulfport health district, Miss..... 1	Camp Sherman zone, Ohio..... 1
Camp Jackson zone, S. C..... 1	Camp Zachary Taylor zone, Ky. and Ind..... 11
Camp Merritt zone, N. J..... 1	Camp Travis zone, Tex..... 2
Muscle Shoals sanitary district, Ala..... 1	

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 527.

GONORRHEA.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.	Cases.
Camp Dodge zone, Iowa..... 5	Camp Pike zone, Ark..... 23
Camp Eberts zone, Ark..... 1	Portsmouth and Norfolk County health district, Va..... 3
Gas and Flame School zone, Ga. and Ala..... 7	Camp Sherman zone, Ala..... 8
Camp Gordon zone, Ga..... 14	Camp Sherman zone, Ohio..... 7
Gulfport health district, Miss..... 3	Camp Zachary Taylor zone, Ky. and Ind..... 29
Camp Humphreys zone, Va..... 3	Tidewater health district, Va..... 27
Camp Jackson zone, S. C..... 8	Camp Travis zone, Tex..... 17
Camp Lee zone, Va..... 5	Wilmington sanitary district, N. C..... 26
Picric Acid Plant zone, Ga..... 7	

INFLUENZA.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.		Cases.	
Charleston sanitary district, S. C.	9	Camp Lee zone, Va.	80
Camp Devens zone, Mass.	1	Camp Merritt zone, N. J.	11
Camp Dix zone, N. J.	1	Picric Acid Plant zone, Ga.	1
Camp Eberts zone, Ark.	10	Camp Pike zone, Ark.	22
Fayetteville sanitary district, N. C.	8	Portsmouth and Norfolk County health district, Va.	13
Camp Funston zone, Kans.	87	Camp Sherman zone, Ohio.	80
Gas and Flame School zone, Ga. and Ala.	6	Camp Zachary Taylor zone, Ky. and Ind.	1,118
Camp Gordon zone, Ga.	9	Tidewater health district, Va.	3
Gulfport health district, Miss.	16	Wilmington sanitary district, N. C.	9
Camp Humphreys zone, Va.	52		
Camp Jackson zone, S. C.	3		

LEPROSY.

City Report for Week Ended Feb. 22, 1919.

One case of leprosy was reported at Los Angeles, Calif., during the week ended February 22, 1919.

MALARIA.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.		Cases.	
Gulfport health district, Miss.	14	Camp Pike zone, Ark.	2
Camp Humphreys zone, Va.	1		

State Reports for January, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia—Continued.	
Calhoun County.	1	Louisa County.	2
Conecuh County.	1	Meeklenburg County.	2
Talladega County.	2	Middlesex County.	5
Tuscaloosa County.	11	Urbanna.	1
Total.	15	Nansemond County.	1
Virginia:		Northampton County.	7
Accomac County.	6	Northumberland County.	4
Albemarle County.	1	Nottoway County—	
Bedford County.	4	Burkeville.	1
Brunswick County.	1	Powhatan County.	10
Buckingham County.	1	Princess Anne County.	2
Caroline County.	1	Rockingham County.	1
Greenville County.	2	Surry County.	3
Emporia.	3	Sussex County.	6
Halifax County.	1	Waverly.	1
Isle of Wight County.	16	Stony Creek.	2
James City County.	2	Warwick County.	2
		Total.	88

City Reports for Week Ended Feb. 22, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.	1	.....	Los Angeles, Calif.	1	.....
Alexandria, La.	16	.....	San Francisco, Calif.	1	.....
Jackson, Miss.	1	.....	Tuscaloosa, Ala.	2	.....
Joplin, Mo.	1	.....	Washington, D. C.		1
Little Rock, Ark.	1	.....		

MEASLES.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.		Cases.	
Charleston sanitary district, S. C.	1	Camp Lewis zone, Wash.	10
Camp Devens zone, Mass.	17	Muscle Shoals sanitary district, Ala.	1
Camp Dodge zone, Iowa.	2	Picric Acid Plant zone, Ga.	13
Fayetteville sanitary district, N. C.	20	Camp Polk zone, N. C.	4
Gas and Flame School zone, Ga. and Ala.	9	Portsmouth and Norfolk County health district, Va.	11
Camp Gordon zone, Ga.	8	Camp Zachary Taylor zone, Ky. and Ind.	13
Gulfport health district, Miss.	1	Tidewater health district, Va.	1
Camp Jackson zone, S. C.	3	Camp Travis zone, Tex.	2
Camp Lee zone, Va.	1		

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 527.

PELLAGRA.

State Reports for January, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Alabama—Continued.	
Bibb County.	1	Pike County.	2
Calhoun County.	1	Tuscaloosa County.	8
Chilton County.	1		
Clarke County.	1	Total.	37
Coffee County.	1		
Conochoh County.	1	Virginia:	
Dallas County.	1	Accomac County.	1
DeKalb County.	1	Roanoke County—	
Escambia County.	2	Roanoke.	1
Jefferson County.	13	Warwick County—	
Lamar County.	1	Newport News.	1
Limestone County.	1		
Lowndes County.	1	Total.	3
Montgomery County.	1		

City Reports for Week Ended Feb. 22, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Dallas, Tex.	1	1	New Haven, Conn.	1	1
Houston, Tex.	1	1	Oklahoma City, Okla.	1	1
Memphis, Tenn.	1	1	Springfield, Mo.	1	1
Mobile, Ala.	1	1			

PNEUMONIA.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

Cases.		Cases.	
Camp Dix zone, N. J.	1	Camp Merritt zone, N. J.	5
Camp Eberts zone, Ark.	1	Camp Pike zone, Ark.	9
Fayetteville sanitary district, N. C.	5	Camp Polk zone, N. C.	1
Camp Funston zone, Kans.	7	Camp Sherman zone, Ohio.	5
Gas and Flame School zone, Ga. and Ala.	6	Camp Zachary Taylor zone, Ky. and Ind.	22
Camp Gordon zone, Ga.	2	Tidewater health district, Va.	2
Gulfport health district, Miss.	3	Camp Travis zone, Tex.	4
Camp Humphreys zone, Va.	9	Camp Upton zone, N. Y.	1

PNEUMONIA—Continued.

City Reports for Week Ended Feb. 22, 1919.

Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.
Akron, Ohio.....	5			
Ann Arbor, Mich.....	1			
Arlington, Mass.....	1	1		
Atlantic City, N. J.....	1			
Baltimore, Md.....	25	39		
Bayonne, N. J.....	1			
Belleville, N. J.....	4			
Beverly, Mass.....	3	1		
Binghamton, N. Y.....	6			
Bloomfield, N. J.....			2	
Bluefield, W. Va.....	2			
Boston, Mass.....	46	25		
Brookline, Mass.....	2			
Brunswick, Ga.....	1			
Buffalo, N. Y.....	19	6		
Cambridge, Mass.....	2	1		
Camden, N. J.....	17			
Cape Girardeau, Mo.....	2			
Charleston, W. Va.....			2	6
Chelsea, Mass.....	6	8		
Chicago, Ill.....			482	131
Cleveland, Ohio.....	67	48		
Clinton, Mass.....	1			
Columbia, S. C.....	2			
Corpus Christi, Tex.....			1	
Cranston, R. I.....	1	1		
Cumberland, Md.....	1			
Dayton, Ohio.....	3	10		
Dedham, Mass.....	1			
Detroit, Mich.....	14	38	34	70
Duluth, Minn.....	4	2		
East Orange, N. J.....			9	5
Elizabeth, N. J.....	9	5		
Elmira, N. Y.....	19	9		
Englewood, N. J.....	3	1		
Everett, Mass.....			3	3
Fall River, Mass.....	6			
Findlay, Ohio.....	1	1		
Fresno, Calif.....			3	
Grand Forks, N. Dak.....	2	2		
Grand Rapids, Mich.....	3	1		
Green Bay, Wis.....	1			
Greenwich, Conn.....	4	1		
Hackensack, N. J.....			3	2
Hammond, Ind.....	1	1		
Harrison, N. J.....	2			
Haverhill, Mass.....	12	4		
Highland Park, Mich.....	9	4		
Independence, Mo.....			4	2
Ironton, Ohio.....	1			
Jackson, Miss.....	3			
Jamestown, N. Y.....			4	1
Jersey City, N. J.....		4	19	
Kalamazoo, Mich.....	2	1		
Kansas City, Kans.....			19	
Kansas City, Mo.....	17	30		
Lackawanna, N. Y.....	6	2		
Lawrence, Mass.....	2			
Leavenworth, Kans.....	2			
Leominster, Mass.....	1			
Little Rock, Ark.....	9			
Los Angeles, Cal.....	3	3		
Louisville, Ky.....	6	22		
Lowell, Mass.....	2	1		
Ludington, Mich.....	1			
Marion, Ohio.....	1			
Middletown, N. Y.....	1	1		
Montclair, N. J.....	1	1		
Morgantown, W. Va.....	2			
Morristown, N. J.....			3	
Mount Vernon, N. Y.....	1			
Newark, N. J.....	75	27		
New Bedford, Mass.....	1	1		
New Britain, Conn.....	2			
New Orleans, La.....	1	17		
Newport, Ky.....	18	8		

PNEUMONIA—Continued.

City Reports for Week Ended Feb. 22, 1919—Continued.

Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.
New York, N. Y.		314	480	521
Norfolk, Va.	6	4		
North Adams, Mass.	2			
Northampton, Mass.	1	1		
North Tonawanda, N. Y.	3			
Norwich, Conn.	3	2		
Oak Park, Ill.	2	4		
Oklahoma City, Okla.	12	4		
Ossining, N. Y.	3	2		
Parkersburg, W. Va.	1	1		
Passaic, N. J.	3	4		
Peoria, Ill.			30	5
Philadelphia, Pa.	244	95		
Phillipsburg, N. J.	1	1		
Piqua, Ohio.	2	2		
Pontiac, Mich.	5			
Port Chester, N. Y.	2			
Quincy, Mass.	1			
Richmond, Va.	1	3		
Rochester, N. Y.	11	4		
Sacramento, Calif.	1	2		5
Salem, Mass.	6			
San Antonio, Tex.	14	4		
San Diego, Calif.	2			
Sandusky, Ohio.			2	1
San Francisco, Calif.	11	7		
Saratoga Springs, N. Y.	1			
Saulte Ste. Marie, Mich.	1	1		
Schenectady, N. Y.	2	1		
Somerville, Mass.	1	3		
Spartanburg, S. C.			1	
Springfield, Mass.	21	3		
Taunton, Mass.	1	1		
Trenton, N. J.	2	6		
Watertown, Mass.	1	1		
Winchester, Mass.	1			
Winston-Salem, N. C.	2	2		
Worcester, Mass.	9	8		28

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for January, 1919.

During the month of January, 1919, there were reported one case of poliomyelitis at Cherryvale, Montgomery County, Kans., and one case in Campbell County, Va.

City Reports for Week Ended Feb. 22, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.	1		Kokomo, Ind.		1
Cincinnati, Ohio.	1		Middletown, Ohio.		1
Detroit, Mich.	2	1	New York, N. Y.	2	

RABIES IN ANIMALS.

City Reports for Week Ended Feb. 22, 1919.

During the week ended February 22, 1919, four cases of rabies in animals were reported—one case at each of the following-named places: Covington, Ky., Detroit, Mich., Greenwich, Conn., and Memphis, Tenn.

RABIES IN MAN.

City Report for Week Ended Feb. 22, 1919.

One death from rabies was reported in New York, N. Y., during the week ended February 22, 1919.

SCARLET FEVER.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

	Cases.		Cases.
Camp Dodge zone, Iowa.....	15	Camp Merritt zone, N. J.....	1
Camp Funston zone, Kans.....	22	Camp Pike zone, Ark.....	6
Gas and Flame School zone, Ga. and Ala.....	1	Camp Zachary Taylor zone, Ky. and Ind.....	7
Camp Gordon zone, Ga.....	5	Tidewater health district, Va.....	1
Gulfport health district, Miss.....	2	Wilmington sanitary district, N. C.....	1
Camp Jackson zone, S. C.....	1		

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 527.

SMALLPOX.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

	Cases.		Cases.
Camp Dodge zone, Iowa.....	3	Camp Polk zone, N. C.....	6
Camp Funston zone, Kans.....	4	Portsmouth and Norfolk County health district, Va.....	2
Gas and Flame School zone, Ga. and Ala.....	7	Souther Field zone, Ga.....	1
Camp Gordon zone, Ga.....	83	Camp Zachary Taylor zone, Ky. and Ind.....	2
Camp Lewis zone, Wash.....	3	Tidewater health district, Va.....	4
Muscle Shoals sanitary district, Ala.....	3	Camp Travis zone, Tex.....	1
Pieric Acid Plant zone, Ga.....	2		

Kansas Report for January, 1919—Vaccination Histories.

Place.	Number of new cases reported during month.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas:						
Atchison County—						
Atchison.....	8				8	
Cummings.....	1				1	
Barber County—						
Isabel.....	1			1		
Barton County—						
Hoisington.....	3				3	
Brown County—						
Padonia.....	7				7	
Butler County—						
Oil Hill.....	1				1	
Chase County—						
Saffordville.....	5				5	
Cherokee County—						
Columbus.....	1				1	
Galena.....	2				2	
Clay County—						
Clifton.....	2				2	
Cloud County—						
Glasco (R. D.).....	1				1	
Crawford County—						
Pittsburg.....	2				2	
Dickinson County—						
Elmo (R. D.).....	2			1	1	
Greenwood County—						
Piedmont (R. D.).....	7				7	
Harper County—						
Hazelton (R. D.).....	3				3	
Jewell County—						
Esbon.....	1				1	
Kingman County—						
Spivey.....	2				2	

SMALLPOX—Continued.

Kansas Report for January, 1919—Vaccination Histories—Continued.

Place.	Number of new cases reported during month.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Labette County—						
Parsons.....	4				4	
Logan County—						
Oakley.....	9				9	
Marion County—						
Burns (R. D.).....	1				1	
Montgomery County—						
Tyro (R. D.).....	3		1		2	
Elk City.....	1				1	
Morris County—						
Council Grove.....	5				5	
Neosho County—						
Chanute.....	14				14	
Earlton (2 R. D.).....	4				4	
Pottawatomie County—						
Wheaton.....	1				1	
Reno County—						
Castleton (R. D.).....	1				1	
Republic County—						
Belleville (R. D.).....	1				1	
Munden.....	2				2	
Riley County—						
Zeandale.....	3				3	
Saline County—						
Salina.....	1				1	
Shawnee County—						
Topeka.....	1				1	
Summer County—						
Conway Springs (R. D.).....	1				1	
Wyandotte County—						
Basehor (R. D.).....	1				1	
Kansas City (R. D.).....	1				1	
Total.....	103		1	2	100	

State Reports for January, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Virginia—Continued.		
Autauga County.....	20		Charlotte County.....	1	
Bibb County.....	2		Dinwiddie County.....	8	
Calhoun County.....	3		Giles County.....	6	
Cullman County.....	150		Halifax County.....	7	
Dallas County.....	1		King William County.....	6	
Geneva County.....	2		Lunenburg County.....	6	
Jackson County.....	3		Mecklenburg County.....	1	
Jefferson County.....	7		Montgomery County.....	3	
Lauderdale County.....	6		Norfolk County—		
Lawrence County.....	1		Norfolk.....	4	
Lee County.....	1		Nottoway County.....	1	
Limestone County.....	12		Blackstone.....	2	
Tuscaloosa County.....	2		Pittsylvania County.....	8	
Washington County.....	1		Prince Edward County.....	10	
Total.....	211		Prince George County.....	4	
South Dakota:			Roanoke County—		
Codington County.....	2		Roanoke.....	3	
Davison County.....	4		Rockingham County.....	9	
Day County.....	7		Russell County—		
Douglas County.....	1		Wilder.....	3	
Total.....	14		Smyth County—		
Virginia:			Marion.....	3	
Accomac County.....	1		Surry County.....	2	
Alleghany County.....	4		Sussex County.....	2	
Covington.....	11		Tazewell County—		
Botetourt County.....	14		Pocahontas.....	1	
Campbell County.....	8		Warren County.....	2	
			Warwick County—		
			Newport News.....	1	
			Total.....	131	

SMALLPOX—Continued.

City Reports for Week Ended Feb. 22, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Adrian, Mich.	2		Long Beach, Calif.	3	
Akron, Ohio	2		Los Angeles, Calif.	3	
Alliance, Ohio	1		Madison, Wis.	3	
Asheville, N. C.	1		Marinette, Wis.	2	
Atchison, Kans.	14		Memphis, Tenn.	1	
Atlanta, Ga.	22		Middletown, Ohio.	3	
Bellingham, Wash.	1		Minneapolis, Minn.	6	
Beloit, Wis.	2		Mobile, Ala.	1	
Billings, Mont.	4		Moline, Ill.	1	
Birmingham, Ala.	1		Montgomery, Ala.	1	
Brunswick, Ga.	1		Muskogee, Okla.	2	
Buffalo, N. Y.	2		Nashville, Tenn.	2	
Cape Girardeau, Mo.	1		New Orleans, La.	2	
Cedar Rapids Iowa.	7		Norfolk, Va.	2	
Chanute, Kans.	3		North Yakima, Wash.	14	
Cheyenne, Wyo.	1		Oklahoma City, Okla.	20	
Chicago, Ill.	1		Omaha, Nebr.	23	
Cincinnati, Ohio.	1		Pekin, Ill.	15	
Cleveland, Ohio.	12		Peoria, Ill.	4	
Corpus Christi, Tex.	1		Pittsburgh, Pa.	2	
Dallas, Tex.	4		Portland, Oreg.	4	
Davenport, Iowa.	3		Racine, Wis.	2	
Denver, Colo.	5		Roanoke, Va.	2	
Des Moines, Iowa.	1		Rochester, N. Y.	1	
Duluth, Minn.	4		Rock Island, Ill.	3	
Elgin, Ill.	4		St. Joseph, Mo.	7	1
El Paso, Tex.	2		St. Louis, Mo.	8	
Fargo, N. Dak.	1		St. Paul, Minn.	26	
Green Bay, Wis.	4		Salt Lake City, Utah.	4	
Greenville, S. C.	2		San Antonio, Tex.	2	
Indianapolis, Ind.	6		San Francisco, Calif.	4	
Kalamazoo, Mich.	3		Seattle, Wash.	7	
Kansas City, Mo.	2		Sioux City, Iowa.	4	
Knoxville, Tenn.	1		Sioux Falls, S. Dak.	1	
La Fayette, Ind.	1		Steubenville, Ohio.	1	
Leavenworth, Kans.	4		Tacoma, Wash.	9	
Lexington, Ky.	2		Winston-Salem, N. C.	22	
Lincoln, Nebr.	6		Youngstown, Ohio.	4	
Little Rock, Ark.	2		Zanesville, Ohio.	1	

SYPHILIS.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

	Cases.		Cases.
Camp Dodge zone, Iowa	2	Camp Pike zone, Ark.	13
Gas and Flame School zone, Ga. and Ala.	4	Camp Sheridan zone, Ala.	9
Camp Gordon zone, Ga.	22	Camp Sherman zone, Ohio.	2
Gulfport health district, Miss.	2	Souther Field zone, Ga.	1
Camp Humphreys zone, Va.	1	Camp Zachary Taylor zone, Ky. and Ind.	23
Camp Jackson zone, S. C.	17	Tidewater health district, Va.	2
Camp Lee zone, Va.	4	Camp Travis zone, Tex.	10
Picric Acid Plant zone, Ga.	4	Wilmington sanitary district, N. C.	8

TETANUS.

City Reports for Week Ended Feb. 22, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala.	1		Norfolk, Va.		1
Detroit, Mich.		1	Philadelphia, Pa.	1	
Los Angeles, Calif.	1	1			

TUBERCULOSIS.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

	Cases.		Cases.
Camp Gordon zone, Ga.....	3	Camp Pike zone, Ark.....	5
Camp Humphreys zone, Va.....	1	Camp Zachary Taylor zone, Ky. and Ind.....	10
Camp Lewis zone, Wash.....	1	Tidewater health district, Va.....	1
Camp Merritt zone, N. J.....	1	Wilmington sanitary district, N. C.....	2
Picric Acid Plant zone, Ga.....	3		

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 527.

TYPHOID FEVER.

Cases Reported in Extra-Cantonment Zones, Week Ended Mar. 8, 1919.

	Cases.		Cases.
Gulfport health district, Miss.....	1	Camp Sheridan zone, Ala.....	1
Camp Humphreys zone, Va.....	1	Camp Zachary Taylor zone, Ky. and Ind.....	1
Camp Polk zone, N. C.....	1	Camp Travis zone, Tex.....	1

State Reports for January, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia:	
Bibb County.....	2	Accomac County.....	3
Colbert County.....	1	Albemarle County—	
Covington County.....	1	Scottsville.....	1
Cullman County.....	2	Alleghany County—	
DeKalb County.....	1	Clifton Forge.....	4
Franklin County.....	2	Jordan Mines.....	1
Greene County.....	1	Lowmoor.....	11
Houston County.....	5	Appomattox County.....	4
Jackson County.....	1	Bedford County.....	1
Jefferson County.....	7	Buckingham County.....	2
Macon County.....	1	Dickenson County.....	1
Montgomery County.....	3	Dinwiddie County.....	4
Pike County.....	1	Hanover County—	
Wilcox County.....	1	Ashland.....	1
Total.....	29	Fauquier County.....	2
		Northampton County.....	1
Kansas:		Northumberland County.....	1
Brown County—		Orange County.....	3
Horton.....	1	Page County.....	1
Crawford County—		Shenandoah.....	3
Pittsburg (R. D.).....	2	Prince Edward County.....	1
Ellis County—		Richmond County.....	1
Ellis.....	1	Smyth County—	
Leavenworth County—		Marion.....	2
Easton (R. D.).....	2	Sussex County.....	2
Montgomery County—		Tazewell County—	
Coffeyville.....	1	Graham.....	1
Scott County—		Warwick County—	
Scott City.....	1	Newport News.....	3
Sedgewick County—		Wise County—	
Wichita (I R. D.).....	3	Roda.....	1
Wyandotte County—		Total.....	52
Kansas City.....	3		
Total.....	14		

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

City Reports for Week Ended Feb. 22, 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.
Asheville, N. C.	25,656	22							10	10
Ashtabula, Ohio	22,008	9	1						1	1
Atlanta, Ga.	196,144	76			3		7		1	5
Atlantic City, N. J.	59,515	10					3			
Attleboro, Mass.	19,776	6	1				1		2	
Auburn, N. Y.	37,823	10	1				1			3
Austin, Tex.	35,612	6							1	1
Bakersfield, Calif.	17,543		1							
Baltimore, Md.	594,637	335	32	2	16		151		57	38
Bangor, Me.	26,958	3					1			
Barre, Vt.	12,401	3								
Baton Rouge, La.	17,544	7							3	1
Battle Creek, Mich.	30,159		7		3					1
Bayonne, N. J.	72,204		2				1		7	
Beacon, N. Y.	11,674	2								
Beatrice, Nebr.	10,437	5								
Beaumont, Tex.	28,851	6							1	
Bedford, Ind.	10,613	4								
Bellaire, Ohio	14,575	4								
Belleville, Ill.	31,154		1				6			
Beloit, Wis.	18,547	5								1
Berkeley, Calif.	60,427	12							2	3
Berlin, N. H.	13,892	5								
Beverly, Mass.	22,128	4								1
Biddeford, Me.	17,760	3								
Billings, Mont.	15,123						6			
Binghamton, N. Y.	54,864	17	2				1			1
Birmingham, Ala.	189,716	70	4		9				8	9
Bloomfield, N. J.	19,013		2						1	
Bloomington, Ind.	11,661	5								2
Boston, Mass.	767,813	275	51	5	13		40	1	64	31
Brazil, Ind.	10,472	6								
Bridgeport, Conn.	124,724	64	12		21		2		4	7
Bristol, Conn.	16,318	2					2			
Erockton, Mass.	69,152	15	3				3		5	1
Brookline, Mass.	33,526	9	1		2		1			
Brunswick, Ga.	10,984	3			9				1	1
Buffalo, N. Y.	475,781	154	23	7	29	2	18	1	38	8
Burlington, Iowa	25,144	9					2			
Burlington, Vt.	21,802	8			32	1	1			3
Butte, Mont.	44,057						2			
Cairo, Ill.	15,995	7								2
Cambridge, Mass.	114,293	32	3		4				7	3
Camden, N. J.	108,117	2					3			
Canton, Ohio	62,566	22	1		6				4	
Cape Girardeau, Mo.	11,146	1								1
Chanute, Kans.	12,968	4								
Charleston, S. C.	61,041	14			2					
Charleston, W. Va.	31,050	20							1	1
Charlotte, N. C.	40,759	11	1		11					
Chelsea, Mass.	48,405				1				3	1
Chester, Pa.	41,857								1	
Cheyenne, Wyo.	11,320				8					
Chicago, Ill.	2,547,201	848	93	11	122	4	56	5	313	63
Chicopee, Mass.	29,950	12								1
Chillicothe, Ohio	15,625	1	1							
Cincinnati, Ohio	414,248	188	10	1	9		8		22	19
Cleveland, Ohio	692,259	243	38		1	1	4		38	30
Clinton, Iowa	27,678		2							
Clinton, Mass.	13,075	4			1					1
Coffeyville, Kans.	18,331								2	1
Cohoes, N. Y.	25,292	8	1				2	1		2
Colorado Springs, Colo.	38,965	14					3		4	2
Columbia, S. C.	35,165		1				1			
Columbus, Ohio	220,135	78	2		2		2		5	6
Concord, N. H.	22,858	7								
Corpus Christi, Tex.	10,789	4	2							
Council Bluffs, Iowa	31,838	10								
Covington, Ky.	59,623	30	1	1				1	2	1
Cranston, R. I.	26,773	2								
Cumberland, Md.	26,686	6			36					
Dallas, Tex.	129,738	35			1				9	2
Danvers, Mass.	10,037			1						

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended Feb. 22, 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.
Danville, Ill.	32,960	15	1						1	1
Davenport, Iowa	49,618		1				2			
Dayton, Ohio	128,939	40	5						3	
Decatur, Ill.	41,483	14	3						1	
Denham, Mass.	10,618	4	4							
Denver, Colo.	268,439	92	5		2		9			23
Des Moines, Iowa	104,052		9	1			11			
Detroit, Mich.	619,648	320	88	12	24	1	46	2	37	22
Dover, N. H.	13,276	9								1
Du Bois, Pa.	14,594		1							1
Dubuque, Iowa	40,096		1							2
Duluth, Minn.	97,077	18	1		2				5	2
Durham, N. C.	26,160	5						1		1
East Chicago, Ind.	30,286	10								1
Easton, Pa.	30,854				4					
East Orange, N. J.	43,761	16					4		2	1
Eau Claire, Wis.	18,897				2		2			
Elgin, Ill.	23,552	12		1			1			2
Elizabeth, N. J.	83,530	23	5	1			3		4	
Elmira, N. Y.	38,272	21	5				1		3	1
El Paso, Tex.	69,149	53	1				1			13
Englewood, N. J.	12,603	5	1		1					
Erie, Pa.	76,592		2		1		1			
Escanaba, Mich.	15,854	3								
Eureka, Calif.	15,142	4								
Evanston, Ill.	29,301	4			4		1			
Everett, Mass.	40,160	13	1						1	
Everett, Wash.	37,205						1			
Fairmont, W. Va.	16,111		1							
Fall River, Mass.	129,828	64	4	1	21		2		4	2
Fargo, N. Dak.	17,872	4	4				7			
Findlay, Ohio	14,858	4			3					
Fond du Lac, Wis.	21,486	5					5			
Fort Scott, Kans.	10,564	2								1
Fort Wayne, Ind.	78,014	39	1						1	
Fort Worth, Tex.	109,597	25	1		2		2		2	2
Fostoria, Ohio	10,959	3					1		2	1
Frederick, Md.	11,225	4								
Fremont, Ohio	11,034	5								
Fresno, Calif.	35,314	4								
Galesburg, Ill.	21,629	12			8					
Galveston, Tex.	42,650	10	1							
Geneva, N. Y.	13,915	8	1							
Grand Forks, N. Dak.	16,342	4								
Grand Rapids, Mich.	132,861	29	3		3				11	2
Great Falls, Mont.	13,948	7			21					
Green Bay, Wis.	30,017	10							1	
Greenfield, Mass.	12,251	6					1			1
Greensboro, N. C.	20,171	13								2
Greenville, S. C.	18,574	3								
Greenwich, Conn.	19,594		1				7		1	
Hackensack, N. J.	17,412	7	2						1	1
Hammond, Ind.	27,016	16	2	1						
Harrisburg, Pa.	73,276		1				1			
Harrison, N. J.	17,345						1			
Hartford, Conn.	112,831	72	10		52		11	1	5	4
Haverhill, Mass.	49,180	21	5				1		3	
Highland Park, Mich.	33,859	10	4		1		3			1
Hoboken, N. J.	78,324	15	12	1	2		1			1
Holyoke, Mass.	66,503	25	1	1			9		2	2
Houston, Tex.	116,878	45	2		6		1		4	5
Hudson, N. Y.	12,898	3								
Hutchinson, Kans.	21,461		1							
Independence, Mo.	11,964	7			7		3			2
Indianapolis, Ind.	233,622	117	12	2	18		13		2	5
Ironton, Ohio	14,079	3	2							
Ironwood, Mich.	15,095	2	1				1			1
Ithaca, N. Y.	16,017	7			1					
Jackson, Miss.	31,104						2			
Jamestown, N. Y.	37,431	8					5			
Janesville, Wis.	14,411	8	2							
Jersey City, N. J.	312,557	33			6		8		6	

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Feb. 22, 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.
Johnstown, N. Y.	10,678	2								
Johnstown, Pa.	70,473		8							
Joplin, Mo.	33,400	6	1							
Kalamazoo, Mich.	50,408	17	3		1		8		3	
Kansas City, Mo.	102,096		5				1		7	1
Kansas City, Kans.	305,816	133	4	1	27	2	8		1	11
Keene, N. H.	10,725	2								
Kenosha, Wis.	32,833	5	2		19		4			
Knoxville, Tenn.	59,112		1		10				1	1
Kokomo, Ind.	21,929	10					7			
Lackawanna, N. Y.	16,219	4	2		4		3			
La Crosse, Wis.	31,833	6								
La Fayette, Ind.	21,481	8					2	1		
Lakewood, Ohio	23,813	9					1			
Lancaster, Ohio	16,086	7			1		4			
Lancaster, Pa.	51,437				242					
Lawrence, Kans.	13,477	4			8					
Lawrence, Mass.	102,923	26	3	1					4	
Leavenworth, Kans.	19,363	3	8	1			1			
Lebanon, Pa.	20,947		1		61		1		2	
Leominster, Mass.	21,365	4	1		26		1			
Lexington, Ky.	41,997	20			2		1			2
Lima, Ohio.	37,145	7	1				1			1
Lincoln, Nebr.	46,957	19	2		3		1			
Little Rock, Ark.	58,716	6	1		3		10		2	1
Lockport, N. Y.	20,028				6					
Logansport, Ind.	21,338	6								
Long Beach, Calif.	29,163	18					1		1	2
Long Branch, N. J.	15,733	1								
Lorain, Ohio.	38,266	11			16		1		1	1
Los Angeles, Calif.	535,485	134	13		13		12		35	18
Louisville, Ky.	240,808	113	6	1	1		2		7	13
Lowell, Mass.	114,366	34	6		4		1		1	4
Ludington, Mich.	10,566		4				1			
Lynchburg, Va.	33,497	11								1
Lynn, Mass.	104,534	33	3		1		2	1	3	2
McKeesport, Pa.	48,299		1						1	
Madison, Wis.	31,315	12			16		4			1
Malden, Mass.	52,243						3		2	
Manchester, Conn.	15,859				2				1	
Manchester, N. H.	79,607	21	6						3	3
Manitowoc, Wis.	13,931	8					4			
Marionette, Wis.	14,610				6					
Marion, Ind.	19,923	8	2		1		13	1		2
Marlboro, Mass.	15,285	5	4							
Marquette, Mich.	12,555	6					1		1	
Martinsburg, W. Va.	12,984				2					
Mason City, Iowa	14,938	9								
Melrose, Mass.	17,724	1								
Memphis, Tenn.	151,877	59			5		2		8	10
Meriden, Conn.	29,431		1						2	1
Methuen, Mass.	14,320	3								
Middletown, N. Y.	15,890								1	
Middletown, Ohio	16,384	7			7					
Milwaukee, Wis.	445,008	101	10		3		35	3	19	11
Minneapolis, Minn.	373,448	124	15	1	2		16	8	20	10
Missoula, Mont.	19,075	2	1				8			
Mobile, Ala.	59,201	19			3	1	1			2
Moline, Ill.	27,976	2	1							
Monessen, Pa.	23,070		3							
Montclair, N. J.	27,087	2							2	1
Montgomery, Ala.	44,039	14							1	
Morgantown, W. Va.	14,444	2							2	1
Morristown, N. J.	13,410	11	2	1						
Mount Carmel, Pa.	20,709		1						1	
Mount Vernon, Ill.	10,043	18								
Nanticoke, Pa.	23,811		3		3					
Nashua, N. H.	27,541	8								
Nashville, Tenn.	118,136	74	2		40		2		5	4
Natick, Mass.	10,140	4								
Newark, N. J.	418,789	152	59	2	1		21		37	19
Newark, Ohio.	30,317	9	2	2			1			

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Feb. 22, 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.
New Bedford, Mass.	121,622	39	3	1	3		1		15	3
New Britain, Conn.	55,385	20			32		7			2
New Haven, Conn.	152,275	45	7		17		1		5	3
New London, Conn.	21,199	11	10				3		2	1
New Orleans, La.	377,010	167	9		2		1		22	22
Newport, Ky.	32,133	16								
Newport, R. I.	30,585	1								
Newton, Mass.	44,345	13	1				2		5	
New York, N. Y.	5,737,492	2,129	291	41	50	3	109	2	282	198
Niagara Falls, N. Y.	38,466	19	1				1		1	1
Norfolk, Va.	91,148				4					2
Norristown, Pa.	31,969				4					
North Adams, Mass.	122,019	6								1
Northampton, Mass.	20,006	9	6	1	1				1	
North Attleboro, Mass.	11,248	1							1	
North Tonawanda, N. Y.	14,060	5			18		1			
North Yakima, Wash.	22,058						6			
Norwalk, Conn.	27,332								1	
Norwich, Conn.	21,923	2	1				2		1	
Oakland, Calif.	206,405	29	4				3	1	9	4
Oak Park, Ill.	27,816	11	1		1					
Ogdensburg, N. Y.	16,845	2								
Oil City, Pa.	20,162				4					
Oklahoma City, Okla.	97,588	16			6		1			
Omaha, Nebr.	177,777	45	3		9		5			10
Orange, Conn.	14,393	3								1
Orange, N. J.	33,636	11	4				3		4	
Ossining, N. Y.	14,064	11	3	1					1	
Parkersburg, W. Va.	21,059	10			1			2		1
Pasadena, Cal.	49,620	15								2
Passaic, N. J.	74,478	20	4						1	1
Peeckskill, N. Y.	19,034	7							1	3
Pekin, Ill.	10,973		1							
Peoria, Ill.	72,184	25	2				2			2
Perth Amboy, N. J.	42,646	6	1						1	1
Philadelphia, Pa.	1,735,514	720	80	9	18		55	1	120	80
Phoenixville, Pa.	11,871				3					
Piqua, Ohio	14,275	7					1		1	
Pittsburgh, Pa.	588,196		16		5		10		20	
Pittsfield, Mass.	39,678	6								1
Plainfield, N. J.	24,330	12	1		1					
Plattsburg, N. Y.	13,111	4	4							
Plymouth, Mass.	14,001	4								
Plymouth, Pa.	19,439				11					
Pontiac, Mich.	18,006	7	4							
Port Chester, N. Y.	16,727	5	2						3	
Portland, Me.	64,720	25	1				4			2
Portland, Oreg.	308,399	70	6				2		3	3
Pottsville, Pa.	22,717		4		6					
Poughkeepsie, N. Y.	30,786	10	2						3	
Providence, R. I.	259,895	91	30	2			7			5
Quincy, Ill.	36,832	6	2				7			
Quincy, Mass.	39,022	9	2		2		1		2	1
Racine, Wis.	47,465	7			1		2		3	
Rahway, N. J.	10,361	3								1
Raleigh, N. C.	20,274	14								3
Reading, Pa.	111,607		4		282		2			
Redlands, Calif.	14,573	1					3			
Richmond, Va.	158,702	53	1	1	2		8		7	9
Riverside, Calif.	20,496	11					1			
Roanoke, Va.	46,282	15			16		1			2
Rochester, N. Y.	264,714	73	9	3	1		12		14	3
Rockford, Ill.	56,739	11	1		13		4		2	
Rock Island, Ill.	29,452	7								1
Rocky Mount, N. C.	12,673	6							5	
Rome, N. Y.	24,259		3							
Rutland, Vt.	15,038	8								
Sacramento, Calif.	68,994	25	1				1		3	4
Saginaw, Mich.	56,469	17	2				1			
St. Joseph, Mo.	86,498	31	4	1					6	1
St. Louis, Mo.	708,630	231	33	2	2		15		42	20
St. Paul, Minn.	252,465	56	30	6	9		19		9	6

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Feb. 22, 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.
Salem, Mass.	49,346	11	1				2		1	1
Salem, Oreg.	21,274	10					1			2
Salt Lake City, Utah.	121,623	34	4		1		6			9
San Antonio, Tex.	128,215	20	1		5				10	3
San Diego, Calif.	56,412	20					2		3	3
Sandusky, Ohio	20,226	4							1	
Sanford, Mo.	11,217									1
San Francisco, Calif.	471,023	156	6		2		5		21	25
Santa Barbara, Calif.	15,330	1								
Santa Cruz, Calif.	15,150	2								
Saratoga Springs, N. Y.	13,839	1	1							
Saugus, Mass.	10,210	2							1	
Sault Ste. Marie, Mich.	14,330	4								
Schoenectady, N. Y.	103,774	22	4		1		1		3	1
Seattle, Wash.	336,445	8	2		10		10			
Shamokin, Pa.	21,274	2			2		2			
Sharon, Pa.	19,156				1					
Shenandoah, Pa.	20,753				5				1	
Sioux City, Iowa.	58,568	1	2				3			
Sioux Falls, S. Dak.	16,887	4								
Somerville, Mass.	88,618	35	7	1	5		3		1	3
South Bend, Ind.	70,967	23	1		45		2			
Southbridge, Mass.	14,465	3							1	
Spartanburg, S. C.	21,985	5			4					1
Springfield, Mass.	108,668	45	1						9	1
Springfield, Mo.	41,169	12								1
Springfield, Ohio.	52,296	12			11					1
Steubenville, Ohio.	28,259	11	1							
Stillwater, Minn.	101,198	1	1							
Stockton, Calif.	33,209	9	1				1		3	2
Streator, Ill.	14,313	8								
Superior, Wis.	47,167	15								1
Syracuse, N. Y.	158,559	48	2		2		9		1	4
Tacoma, Wash.	117,446	1	1		9		3			
Taunton, Mass.	31,610	22			8		1			6
Terre Haute, Ind.	67,311	20							2	1
Tiffin, Ohio	12,962	4								
Toledo, Ohio.	202,010	81	3	2	6		11		1	9
Topeka, Kans.	49,738	15	3							1
Trenton, N. J.	113,974	58					1		6	8
Troy, N. Y.	78,094	27	2	1	1		5			1
Tuscaloosa, Ala.	10,824	2	1				1		2	
Utica, N. Y.	89,272	39	6	1	15		1		10	4
Vallejo, Calif.	13,803	7								
Virginia, Minn.	15,954								1	
Waltham, Mass.	31,011	12	1				4			
Warren, Pa.	15,983				2					
Washington, D. C.	339,282	141	26	2	5		20		23	18
Waterbury, Conn.	89,201	8					12		4	
Watertown, Mass.	15,188	1								
Watertown, N. Y.	39,404	8		1						3
Wausau, Wis.	19,666	7			3					
West Chester, Pa.	13,403		1				6			
Westfield, Mass.	18,769	6	2	1			8			1
West Hoboken, N. J.	44,385	9	1				1		3	
West New York, N. J.	19,613	7	3				5		1	
West Orange, N. J.	13,864	3	2				2		2	1
Wheeling, W. Va.	43,657	20							1	1
White Plains, N. Y.	23,931	7					4			
Wichita, Kans.	73,597	44	1				3		5	3
Wilkes-Barre, Pa.	78,334	2	2		4				1	
Williamsport, Pa.	34,123	2					3			
Wilmington, N. C.	30,400	12	1						1	1
Winchester, Mass.	10,812	3								1
Winona, Minn.	18,583	4								
Winston-Salem, N. C.	33,135	18			5				3	3
Winthrop, Mass.	13,105				1					
Woburn, Mass.	16,076	3								
Worcester, Mass.	166,106	65	3	1	12		6		4	2
Yonkers, N. Y.	103,066	23	3		1		1		9	2
Youngstown, Ohio.	112,282	2	2	1	7	1	3		2	2
Zanesville, Ohio.	31,320	16			7		3			

¹ Population Apr. 15, 1910.

FOREIGN.

ALGERIA.

Influenza—Algiers.

During the month of January, 1919, influenza was reported present at Algiers. During the summer of 1918 influenza was reported present, and during the month of November, 1918, 260 fatal cases of the disease were reported.

CANARY ISLANDS.

Influenza—Santa Cruz de Teneriffe.

Influenza was reported present at Santa Cruz de Teneriffe in November and December, 1918, and during the first week in January, 1919. The disease was reported prevalent in October, 1918, in the islands of Grand Canary, La Palma, and Teneriffe.¹

CHINA.

Pneumonic Plague—Shansi Province.

Press information received under date of January 29, 1919, from Shanghai, shows the prevalence of pneumonic plague in Shansi Province. Seven villages were stated to be infected and 70 fatal cases were stated to have occurred in the Lingsien district to January 17, 1919.

CUBA.

Restrictions Against New Orleans Removed.

Quarantine circular of March 7, 1913, requiring vessels leaving New Orleans for ports in Cuba to exterminate their rats at intervals not longer than six months was repealed by order dated January 29, 1919.

DENMARK.

Further Relative to Influenza—Copenhagen—Odense.²

Influenza has been reported in Denmark as follows: At Copenhagen, during the two weeks ended January 25, 1919, 4,877 cases; at Odense, from November 24 to December 28, 1918, 2,731 cases,

¹ Public Health Reports, Dec. 13, 1918, p. 2243.

² Public Health Reports, Dec. 13, 1918, p. 2244, and Dec. 27, 1918, p. 2354.

the greatest incidence occurring during the week ended November 30, viz, 1,203, and the lowest during the week ended December 28, viz, 156. From December 29, 1918, to January 25, 1919, 792 cases were reported at Odense.

FRANCE.

Influenza—Paris.

During the period from December 29, 1918, to February 1, 1919, 534 fatal cases of influenza were notified in Paris.

HAWAII.

Further Relative to Influenza—Island of Oahu.¹

During the two weeks ended February 8, 1919, 341 cases of influenza, of which 4 cases were removed from arriving vessels, were reported on the island of Oahu (Honolulu, city and county).

PORTUGUESE EAST AFRICA.

Influenza—Lourenco Marques.²

During the three weeks ended December 22, 1918, 1,320 cases of influenza with 175 fatalities were reported at Lourenco Marques, Portuguese East Africa.

SPAIN.

Recurrence of Influenza—Barcelona.³

A recurrence of influenza was reported at Barcelona, Spain, February 21, 1919. The prevalence was stated to be equal in extent of area to that of the previous epidemic, but with less virulence of the disease. In October, 1918, 5,000 cases of influenza were reported at Barcelona, with many fatalities.

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

Reports Received During Week Ended Mar. 14, 1919.⁴

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Dec. 29-Jan. 11....	1,366	1,167	
Madras.....	Jan. 5-18.....	268	197	
Rangoon.....	Dec. 29-Jan. 4....	5	3	
Java:				
Mid-Java.....	.....			Nov. 28-Dec. 18, 1918: Cases, 399; deaths, 307.
West Java.....	.....			Dec. 27, 1918-Jan. 2, 1919: Cases, 2; deaths, 2.
Batavia.....	Dec. 27-Jan. 2....	2	2	

¹ Public Health Reports, Feb. 28, 1919, p. 420.

² Public Health Reports, Feb. 14, 1919, p. 305.

³ Public Health Reports, Oct. 25, 1918, p. 1849.

⁴ From medical officers of the Public Health Service, American consuls, and other sources.

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

Reports Received During Week Ended Mar. 14, 1919—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	Jan. 19-25.....	2	1	Jan. 19-25, 1919: Cases, 66; deaths, 47.
Provinces.....				
Batangas.....	Jan. 19-25.....	6	5	
Bohol.....	do.....	9	8	
Bulacan.....	do.....	1	1	
Capiz.....	do.....	3	1	
Cavite.....	do.....	1	1	
Ilocos Sur.....	do.....	2	3	
Iloilo.....	do.....	14	6	
Laguna.....	do.....	6	6	
Nueva Ecija.....	do.....	6	4	
Oriental Negros.....	do.....	1	2	
Pampanga.....	do.....	1	1	
Pangasinan.....	do.....	3	1	
Sorsogon.....	do.....	8	4	
Tayabas.....	do.....	5	5	

PLAGUE.

Ecuador:				
Guayaquil.....	Jan. 16-21.....	16	6	Dec. 29, 1918-Jan. 11, 1919: Cases, 3,361; deaths, 2,470.
India.....				
Bombay.....	Dec. 29-Jan. 11.....	6	3	
Karachi.....	Dec. 29-Jan. 18.....	3	3	
Madras.....	Jan. 5-18.....	4	4	
Madras Presidency.....	do.....	1,053	680	
Rangoon.....	Dec. 29-Jan. 4.....	4	4	

SMALLPOX.

British East Africa:				
Mombasa.....	Sept. 1-Nov. 30.....	6	1	Port case. Present. Do. Nov. 23-Dec. 18, 1918: Cases, 8; deaths, 3. Dec. 27, 1918-Jan. 2, 1919: Cases, 39; deaths, 12.
Canada:				
Nova Scotia—				
Halifax.....	Feb. 16-22.....	15		
Ontario—				
Toronto.....	Feb. 9-15.....	1		
Quebec—				
Montreal.....	Feb. 23-Mar. 1.....	1		
Paspebiac.....	Feb. 16-22.....	8		
Ceylon:				
Colombo.....	Jan. 12-18.....	1		
China:				
Amoy.....	Jan. 5-11.....			
Nanking.....	Jan. 19-25.....			
Denmark:				
Copenhagen.....	Jan. 13-19.....	7		
Egypt:				
Alexandria.....	Jan. 22-28.....	1		
India:				
Bombay.....	Dec. 29-Jan. 11.....	18	5	
Karachi.....	Dec. 22-Jan. 18.....	21	2	
Madras.....	Jan. 5-18.....	38	13	
Rangoon.....	Dec. 29-Jan. 4.....	16	7	
Japan:				
Kobe.....	Jan. 5-18.....	108	22	
Java:				
Mid-Java.....				
West Java.....				
Batavia.....	Dec. 27-Jan. 2.....	13	8	
Manchuria:				
Dairen.....	Jan. 15-21.....	1		
Mesopotamia:				
Bagdad.....	Dec. 14-20.....	10	7	
Mexico:				
Vera Cruz.....	Feb. 10-16.....		2	

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

Reports Received During Week Ended Mar. 14, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland:				
St. Johns.....	Feb. 15-21.....	1		
Outports—				
Bay of Islands.....	do.....	10		
Petitforte.....	do.....	1		
Saddle Hill.....	do.....	1		Harbor Grace.
Springdale.....	do.....	1		
Panama:				
Colon.....	Feb. 3-9.....	1		
Philippine Islands:				
Manila.....	Jan. 19-25.....	2	1	

TYPHUS FEVER.

Colombia:				
Barranquilla.....	Jan. 5-18.....		2	
Egypt:				
Alexandria.....	Jan. 15-21.....	6	3	
Great Britain:				
Glasgow.....	Feb. 2-8.....	1		
Greece:				
Saloniki.....	Jan. 5-18.....		17	
Japan:				
Nagasaki.....	Jan. 20-Feb. 2.....	6	2	
Mexico:				
Aguascalientes.....	Feb. 10-16.....		2	

YELLOW FEVER.

Ecuador:				
Duran.....	Jan. 16-31.....	2		
Guayaquil.....	do.....	26	11	

Reports Received from Dec. 28, 1918, to Mar. 7, 1919.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Nov. 17-30.....	4	5	
Germany:				
Berlin.....	To Oct. 5.....	17	11	
Bremen.....	Oct. 13-19.....	1		On a barge.
Marienwerder.....				1 case in October, 1918, on a barge in canal.
India:				
Bombay.....	Aug. 18-Dec. 28.....	1,351	1,031	
Calcutta.....	Sept. 29-Dec. 21.....		241	Report for Nov. 23, 1918, missing.
Do.....	Dec. 29-Jan. 4.....		27	
Madras.....	Oct. 5-Dec. 21.....	191	112	
Rangoon.....	do.....	35	33	
Indo-China:				
Anam.....	Aug. 1-31.....	5	5	
Cambodia.....	do.....	98	71	
Cochin-China.....	do.....	110	89	
Saigon.....	Oct. 7-Dec. 22.....	75	45	
Tonkin.....	Aug. 1-31.....	1		
Java:				
East Java.....				Oct. 7-21, 1918: Cases, 109; deaths, 94.
Surabaya (district).....	Oct. 7-Nov. 18.....	636	391	
Mid-Java.....				Sept. 25-Nov. 27, 1918: Cases, 2,883; deaths, 1,707.
Samarang.....	Sept. 25-Oct. 16.....	120	111	
West Java.....				Oct. 2-Dec. 11, 1918: Cases, 412; deaths, 238.
Batavia.....	Oct. 2-Dec. 11.....	291	148	
Mesopotamia:				
Bagdad.....	Oct. 11-18.....	8		

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

Reports Received from Dec. 28, 1918, to Mar. 7, 1919—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	Sept. 22-Dec. 28...	181	121	
Do.....	Dec. 29-Jan. 18...	10	4	
Provinces.....				Nov. 2-9, 1918: Cases, 511; deaths, 417. Nov. 17-Dec. 28, 1918: Cases, 1,203; deaths, 858. Dec. 29, 1918-Jan. 18, 1919: Cases, 344; deaths, 255.
Albay.....	Dec. 15-21.....	1	1	
Bataan.....	Nov. 17-Dec. 28.....	38	32	
Do.....	Jan. 5-11.....	2	2	
Batangas.....	Nov. 2-9.....	156	141	
Do.....	Nov. 17-Dec. 28.....	79	65	
Do.....	Dec. 29-Jan. 18.....	13	10	
Bohol.....	Nov. 2-9.....	19	17	
Do.....	Nov. 17-Dec. 21.....	12	5	
Do.....	Jan. 12-18.....	8	4	
Bulacan.....	Oct. 27-Nov. 2.....	5	6	
Do.....	Nov. 17-Dec. 28.....	44	30	
Do.....	Dec. 29-Jan. 18.....	24	14	
Capiz.....	Dec. 22-28.....	7	5	
Do.....	Jan. 5-18.....	25	13	
Cavite.....	Oct. 27-Nov. 2.....	38	28	
Do.....	Nov. 17-Dec. 21.....	163	75	
Do.....	Dec. 29-Jan. 18.....	16	15	
Cebu.....	Dec. 15-21.....	41	20	
Do.....	Jan. 12-18.....	13	12	
Ilocos Sur.....	Dec. 8-28.....	17	8	
Do.....	Dec. 29-Jan. 18.....	30	17	
Iloilo.....	Oct. 27-Nov. 2.....	9	6	
Do.....	Nov. 17-Dec. 21.....	70	51	
Do.....	Jan. 5-18.....	15	14	
Laguna.....	Oct. 27-Dec. 28.....	18	11	
Do.....	Dec. 29-Jan. 18.....	36	27	
Lanao.....	Jan. 5-11.....	8	4	
Mindoro.....	Nov. 24-30.....	4	5	
Misamis.....	Oct. 27-Nov. 2.....	6	5	
Do.....	Nov. 17-Dec. 28.....	75	48	
Do.....	Jan. 5-18.....	23	17	
Nueva Ecija.....	Jan. 12-18.....	3	2	
Oriental Negros.....	Nov. 2-9.....	20	8	
Do.....	Nov. 17-Dec. 7.....	6	6	
Do.....	Jan. 5-11.....	5	3	
Pampanga.....	Nov. 24-Dec. 14.....	4	4	
Do.....	Jan. 5-18.....	13	10	
Pangasinan.....	Nov. 2-9.....	236	192	
Do.....	Nov. 17-Dec. 28.....	428	313	
Do.....	Dec. 29-Jan. 18.....	87	73	
Rizal.....	Oct. 27-Nov. 2.....	3	1	
Do.....	Nov. 24-30.....	16	5	
Samar.....	Dec. 15-21.....	8	1	
Sorsogon.....	Nov. 17-23.....	8	4	
Tayabas.....	Nov. 2-9.....	7	4	
Do.....	Nov. 17-Dec. 28.....	54	25	
Do.....	Dec. 29-Jan. 18.....	4	3	
Union.....	Nov. 2-Dec. 28.....	18	14	
Zamboanga.....	Dec. 8-28.....	27	19	
Do.....	Jan. 5-18.....	45	34	
Poland:				
Warsaw.....	Sept. 29-Oct. 5.....	2		
Russia:				
Petrograd.....	To July 16.....	3,388	1,054	
Do.....	July 17-Sept. 11.....	3,479	1,455	In civil and military hospitals. In military hospitals, July 5-Aug. 21, 1918: Cases, 884; deaths, 783.
Ukrania—				
Ekaterinaslav.....	Sept. 1-20.....	7	6	
Odessa.....	do.....	25		Sept. 1-20, 1918: 11 cases on s. s. Helena.

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

Reports Received from Dec. 28, 1918, to Mar. 7, 1919—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Oct. 27-Nov. 2....	1	1	
China:				
Amoy.....	Nov. 24-Dec. 8....			Present.
Chungking.....	Dec. 1-7.....			Do.
Hongkong.....	Oct. 26-Dec. 28....	2	2	
Ecuador:				
Guayaquil.....	Nov. 1-Dec. 31....	15	3	
Do.....	Jan. 1-15.....	7	2	
Taura.....	Dec. 16-31.....	1	1	
Egypt.....				Jan. 1-Nov. 21, 1918: Cases, 357; deaths, 153.
India.....				Sept. 22-Dec. 28, 1918: Cases, 24,279; deaths, 18,360.
Bombay.....	Aug. 18-Dec. 28....	41	29	
Calcutta.....	Dec. 22-28.....		1	
Karachi.....	Oct. 19-Dec. 31....	17	17	
Madras.....	Dec. 8-21.....	23	13	
Do.....	Dec. 29-Jan. 4....	123	52	
Madras Presidency.....	Oct. 13-Dec. 21....	930	636	
Do.....	Dec. 29-Jan. 4....	92	48	
Rangoon.....	Oct. 5-Dec. 21....	84	81	
Indo-China:				
Anam.....	Aug. 1-31.....	15	10	
Cambodia.....	do.....		23	
Cochin-China.....	do.....	14	11	
Saigon.....	Oct. 7-Nov. 24....	5	1	
Java:				
East Java.....				Oct. 7-Nov. 18, 1918: Cases, 78; deaths, 78.
Surabaya (district).....	Oct. 7-Nov. 18....	61	61	
Mid-Java.....				Sept. 25-Oct. 16, 1918: Cases, 14; deaths, 14.
Samarang.....	Sept. 25-Oct. 16....	6	6	
Mesopotamia:				
Bagdad.....	Nov. 16-29.....	5	2	
Siam:				
Bangkok.....	Sept. 21-28.....	4	3	
Do.....	Oct. 5-12.....	2	2	
Venezuela:				
Caracas.....	Dec. 30.....	1		
On vessel:				
S. S. Japan.....	Jan. 14.....	1	1	At Suez quarantine station from Bombay.

SMALLPOX.

Algeria:				
Algiers.....	Oct. 1-Dec. 31....	2	1	
Canada:				
New Brunswick—				
Campbellton.....	Dec. 22-28.....	1		
Do.....	Jan. 5-18.....	2		
St. John.....	Nov. 8-14.....	3		
Do.....	Jan. 26-Feb. 22....	6		
Nova Scotia—				
Bear River.....	Dec. 29-Jan. 4....			Present.
Bigbee.....	Jan. 10.....			Do.
Digby.....	do.....			Do.
Halifax.....	Dec. 7-28.....	10		
Do.....	Jan. 5-Feb. 15....	94		
Middleton.....	Dec. 29-Jan. 4....			Do.
Sydney.....	Jan. 5-Feb. 15....	3		
Ontario—				
North Bay.....	Jan. 19-25.....	1		
Ottawa.....	Jan. 12-Feb. 8....	6		
Toronto.....	Feb. 2-8.....	1		
Quebec—				
Montreal.....	Jan. 24-Dec. 21....	2		
Do.....	Jan. 12-25.....	12		
Paspébiac.....	do.....	2		
Quebec.....	Dec. 15-21.....	1		
Do.....	Dec. 29-Feb. 15....	5		
China:				
Amoy.....	Oct. 13-Dec. 28....			Present.
Canton.....	Nov. 17-23.....			Do.
Chungking.....	Nov. 10-Dec. 28....			Do.
Foochow.....	Nov. 24-Dec. 28....			Do.
Hongkong.....	Dec. 15-21.....	1	1	
Nanking.....	Dec. 1-28.....			Do.
Do.....	Dec. 29-Jan. 11....			Do.

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

Reports Received from Dec. 28, 1918, to Mar. 7, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chosen (Korea): Chemulpo	Nov. 1-Dec. 31....	15	4	
Denmark: Copenhagen.....	Nov. 9-Dec. 28....	12		
Do.....	Dec. 29-Jan. 11....	8		
Egypt: Alexandria.....	Dec. 17-23.....	1	1	
India: Bombay.....	Aug. 18-Dec. 28....	35	8	
Calcutta.....	Sept. 29-Dec. 28....		17	
Do.....	Dec. 29-Jan. 4.....	6		Report for week ended Nov. 23, 1918, missing.
Karachi.....	Sept. 29-Dec. 21....	9	2	
Madras.....	Oct. 5-Dec. 21.....	52	24	
Do.....	Dec. 29-Jan. 4.....	9	2	
Rangoon.....	Oct. 20-Dec. 21....	32	6	
Indo-China: Anam.....	Aug. 1-31.....	29	8	
Cambodia.....	do.....	78	40	
Cochin-China.....	do.....	97	27	
Saigon.....	Oct. 7-Dec. 22....	20	5	
Tonkin.....	Aug. 1-31.....	5		
Italy: Genoa.....	Jan. 9-15.....	1		
Japan: Kobe.....	Oct. 26-Dec. 28....	186	46	
Do.....	Dec. 29-Jan. 4.....	37	3	
Java: East Java.....				Oct. 7-Nov. 27, 1918: Cases, 21.
Surabaya (district).....	Oct. 7-Nov. 18....	15		
Mid-Java.....				Sept. 25-Nov. 27, 1918: Cases, 164.
West Java.....				Oct. 2-Dec. 11, 1918: Cases, 809; deaths, 263.
Batavia.....	Oct. 2-Dec. 11....	185	151	
Mesopotamia: Bagdad.....	Oct. 11-Dec. 13....	288	81	
Mexico: Ciudad Juarez.....	Nov. 24-30.....	1		
Mexico City.....	Sept. 22-Dec. 28....	23		
Do.....	Dec. 29-Jan. 25....	8		
Newfoundland: St. John's.....	Dec. 6-20.....	4		
Do.....	Dec. 28-Feb. 14....	6		
Outports— Avondale.....	do.....	4		
Blaine Harbor.....	Dec. 14-20.....	2		
Bay of Islands.....	Jan. 11-17.....	6		
Bay Roberts.....	Dec. 21-27.....	1		
Bonavista.....	Jan. 26-31.....	1		
Bryants Cove.....	Dec. 7-13.....	3		
Burin.....	do.....	4		
Coleys Point.....	Dec. 14-20.....	1		
Curling.....	Jan. 26-31.....	3		
Frenchmans Cove.....	Feb. 1-7.....	1		
Kings Cove.....	Jan. 18-24.....	1		
Little Paradise.....	Feb. 9-14.....	1		
McIvers.....	Feb. 1-7.....	15		
Merasheen.....	do.....	1		Present.
Mercers Cove.....	Feb. 9-14.....	1		
Middle Arm.....	Feb. 1-7.....	40		Bay of Islands.
Musgrave Harbor.....	Dec. 7-13.....	4		
Do.....	Jan. 11-17.....	6		Feb. 7, 1919: Present.
Paradise.....	Dec. 7-13.....	60		Placentia Bay.
St. Georges.....	Feb. 1-7.....	11		
St. Jacques.....	Jan. 18-24.....	2		
Panama: Colon.....	Dec. 15-21.....	1		Aug. 1-31, 1918: Cases, 133, oc- curring at Colon, Panama, and points in the interior. Jan. 25, 1919: Cases, 28.
Do.....	Dec. 29-Jan. 25....	7		
Philippine Islands: Manila.....	Nov. 2-9.....	2	2	
Do.....	Dec. 29-Jan. 11....	2	1	Varioloid, 2.
Portugal: Lisbon.....	Nov. 16-Dec. 28....	843		
Portuguese East Africa: Lourenco Marques.....				July 1-Oct. 31, 1918: 45 fatal cases.
Siberia: Vladivostok.....	Nov. 1-3.....	4		

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

Reports Received from Dec. 28, 1918, to Mar. 7, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Spain:				
Barcelona.....	Jan. 9-15.....	.....	2	
Cadiz.....	Oct. 1-Dec. 31.....	18		
Madrid.....	Sept. 1-Oct. 31.....	153		
Seville.....	Nov. 1-30.....	2		
Valencia.....	Nov. 10-Dec. 21.....	40	9	
Do.....	Dec. 29-Jan. 11.....	33	4	
Straits Settlements:				
Penang.....	Oct. 6-12.....	1		
Union of South Africa:				
Cape Town.....	Aug. 1-30.....	1		
Johannesburg.....	Aug. 1-Oct. 31.....	12		Nov. 1-30, 1918: Cases, 4.

TYPHUS FEVER.

Algeria:				
Algiers.....	Nov. 1-30.....	1		
Austria-Hungary:				
Hungary.....	Sept. 2-8.....	2		
Brazil:				
Ceara.....	Sept. 14-21.....	1		
China:				
Antung.....	Dec. 2-15.....	2		
Do.....	Jan. 6-12.....		1	
Colombia:				
Barranquilla.....	Nov. 8-Dec. 28.....		3	
Do.....	Jan. 19-25.....	1		
Egypt:				
Alexandria.....	Oct. 14-Dec. 31.....	85	36	
Do.....	Jan. 1-14.....	12	7	
Germany:				
Breslau.....	Sept. 29-Oct. 19.....	12	8	
Königsberg.....	.....do.....	3	1	
Mostolten.....	.....do.....	7	2	District of Allenstein.
Great Britain:				
Glasgow.....	Dec. 22-28.....	5		
Do.....	Jan. 5-Feb. 1.....		8	
Greece:				
Saloniki.....	Sept. 29-Dec. 21.....		34	
Do.....	Dec. 29-Jan. 4.....		25	
Japan:				
Nagasaki.....	Nov. 10-Dec. 29.....	13	4	
Do.....	Dec. 30-Jan. 19.....	5	1	
Java:				
East Java.....	.....			Oct. 7-21, 1918: Cases, 5.
Surabaya.....	Oct. 7-21.....	4		
Mid-Java.....	.....			Sept. 25-Oct. 16, 1918: Cases, 8.
West Java.....	.....			Oct. 2-23: Cases, 31; deaths, 6.
Batavia.....	Oct. 2-23.....	15	4	
Mesopotamia:				
Bagdad.....	Oct. 5-11.....	1		
Mexico:				
Guadalajara.....	Nov. 1-30.....	2		
Mexico City.....	Sept. 22-Dec. 28.....	434		
Do.....	Dec. 29-Jan. 25.....	126		
Netherlands:				
Rotterdam.....	.....			Jan. 30-Feb. 27, 1919: Cases, 462; deaths, 46.
Serbia:				
Belgrade.....	Feb. 5.....	62		Among soldiers and prisoners.
Siberia:				
Vladivostok.....	Sept. 1-Dec. 15.....	23		
Spain:				
Huelva.....	Oct. 1-31.....		2	
Madrid.....	Dec. 1-31.....		1	
Union of South Africa:				
Port Elizabeth.....	Sept. 14-28.....			Present among natives in several interior towns.

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

Reports Received from Dec. 28, 1918, to Mar. 7, 1919—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Pernambuco.....	Oct. 1-Nov. 30....	2	1	
Ecuador:				
Babahoyo.....	Nov. 1-30.....	1		
Chobo.....	Jan. 1-15.....	1		
Daule.....	do.....	1	1	
Duran.....	Nov. 1-Dec. 31....	3	2	
Guayaquil.....	do.....	163	87	
Do.....	Jan. 1-15.....	52	30	
Milagro.....	Nov. 1-15.....	1		
Naranjal.....	do.....	1	1	
Do.....	Jan. 1-15.....	1	1	
Naranjito.....	Nov. 1-15.....	1	1	
Do.....	Jan. 1-15.....	1	1	
Payo (Hacienda).....	Nov. 1-15.....	1		
Punta de Piedra.....	Nov. 1-30.....	1		
Salvador:				
San Salvador.....	Jan. 9.....	1		
On vessel:				
S. S. Jamaica.....	Jan. 30.....	1		At quarantine station, Canal Zone, Panama.