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INCIDENCE OF SERIOUS MORBIDITY AMONG A GROUP OF WAGE EARNERS.¹

By serious morbidity is meant disability from sickness and non-industrial accidents lasting at least one week. The cases are those for which sick benefits have been paid to members of certain employee sick-benefit associations and company relief departments reporting to the Public Health Service. As pointed out in previous articles,² the rates should probably be regarded as a minimum statement of the disabilities causing absence from work for a week or longer, on account of certain rules of a number of the reporting associations which prevent payment of benefits for disability from venereal disease, from certain chronic diseases contracted prior to the date of joining the association, and from certain other causes of disability. A large proportion of the reporting associations also have age limits for eligibility to membership.

The cases have been tabulated according to the diseases reported as causing disability. While practically all of the reporting associations require a physician's certificate naming the ailment causing disability, errors in diagnosis undoubtedly have occurred. It is believed, however, that the diagnoses are sufficiently correct to afford a fairly good picture of serious morbidity among the large number of working people considered. The International List of the Causes of Sickness and Death has been used in the classification of these data in accordance with the recommendation of the committee on industrial morbidity statistics of the American Public Health Association. In some of the accompanying tables and graphs certain related diseases have been grouped not strictly in accordance with the international classification; but in all such instances statements of the diseases included or excluded appear in the footnotes.

¹ From the Statistical Office, U. S. Public Health Service. Data collected and tabulated under the supervision of Dean K. Brundage.

² The statistics for the first half of 1920, for the first nine months of 1920, for the calendar year 1920, and for the entire period from January 1920 to June 1921 have been discussed in a series of articles entitled "Sickness Frequency Among Industrial Employees," available in the following reprints: (1) Reprint No. 624 from the Public Health Reports of December 3, 1920, pp. 2897-2907; (2) Reprint No. 641 from the Public Health Reports of March 4, 1921, pp. 429-434; (3) Reprint No. 671 from the Public Health Reports of July 1, 1921, pp. 1497-1502; and (4) Reprint No. 721 from the Public Health Reports of January 6, 1922, pp. 2-9.

TABLE I.—Frequency of specified disease groups by month of onset in 1920 and 1921, among a group of wage earners.¹

Month of onset.	Number of cases per 1,000 persons per year.																	
	Number of sick-benefit associations reporting.		Membership.		All diseases and conditions. ²		General diseases. ³		Diseases of the nervous system. ⁴		Diseases of the circulatory system. ⁵		All respiratory diseases. ⁶		Diseases of the digestive system. ⁶		All other diseases and conditions.	
	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921	1920	1921
January.....	8	20	14,208	67,028	275.0	134.0	18.3	17.6	7.5	8.3	2.5	4.7	210.3	58.3	9.1	16.7	20.8	33.1
February.....	12	30	22,249	68,890	328.7	182.5	16.4	18.0	8.5	6.8	5.1	5.3	255.8	81.2	10.2	14.6	35.8	31.9
March.....	16	30	27,577	72,753	198.0	128.5	14.1	17.7	8.0	5.5	4.5	5.7	71.2	56.0	14.1	16.6	18.6	32.7
April.....	17	31	25,822	71,453	103.9	110.6	16.0	14.8	8.0	7.2	3.3	4.4	40.6	45.0	8.6	14.8	30.7	28.8
May.....	22	31	24,034	70,555	78.7	88.4	11.3	15.0	5.9	4.8	4.8	5.5	27.8	25.2	9.8	13.4	21.9	30.0
June.....	25	31	58,938	69,389	67.3	76.6	13.4	9.0	5.0	6.7	3.0	2.8	17.9	17.9	10.1	16.1	20.9	25.0
July.....	26	31	58,865	69,571	60.1	70.8	7.5	9.0	4.0	6.7	4.0	3.0	13.7	15.8	11.6	13.6	30.5	25.0
August.....	25	22	58,369	55,556	58.2	68.7	8.8	11.2	4.0	7.8	2.0	3.1	16.4	22.7	12.2	17.8	18.7	28.6
September.....	25	22	60,294	56,666	58.2	68.7	6.9	9.6	4.3	6.5	1.8	3.4	18.0	19.9	9.7	19.1	19.3	27.0
October.....	25	22	59,211	56,972	70.4	81.6	7.9	9.6	4.9	5.1	3.0	3.4	20.2	30.8	11.7	15.1	22.8	21.5
November.....	27	22	75,045	56,925	88.7	84.3	10.0	8.9	4.5	7.1	3.4	4.5	34.2	41.4	12.5	13.5	23.5	25.5
December.....	26	22	67,197	56,511	108.2	108.2	14.6	10.1	6.5	7.1	4.7	6.2	48.7	45.7	11.5	13.7	23.8	28.6

¹ Annual number of cases per 1,000 members of certain sick-benefit associations reporting to the Public Health Service. Only those cases of sickness and nonindustrial accidents causing disability for one week or longer are included.

² Except the venereal diseases.

³ Excluding influenza, grippe, and tuberculosis of the lungs.

⁴ Including organs of special sense (eyes, ears).

⁵ Including influenza and grippe, tuberculosis of the lungs, and diseases of the pharynx.

⁶ Except diseases of the pharynx.

Seasonal Variation in Sickness Incidence.

The frequency rates of certain disease groups are presented in Table I according to the month in which disability began, the rate for each month in 1920 being compared with the rate for the corresponding month in 1921. The rates are placed on an annual basis; i. e., the rate for any month represents what the total sickness from any specified cause would have been for the whole year had the rate for that month been maintained throughout the year.

The decrease in membership which occurred after March, 1921, was due largely to reduction in the number of persons employed by companies cooperating and to a decrease of nine in the number of sick-benefit associations reporting. The 1922 figures, however, will show increases both in the number of persons and number of companies reporting.

The seasonal fluctuation in the frequency of all diseases combined was fairly similar in both years except during August and September, when disease incidence decreased in 1920 and increased in 1921. Table I shows that the increases in August and September, 1921, occurred largely in the "general" group, the digestive group, and in "All other diseases and conditions." Table II, which gives the 1921 rates in more detail, reveals an increase during these two months in the frequency of typhoid fever, rheumatism, diseases of the stomach, diarrhea and enteritis, diseases of the skin, and diseases of the bones and of the organs of locomotion. The rate for all diseases combined dropped in October, but increased again in November in accordance with seasonal sickness expectancy.

Throughout 1921 the rates were somewhat higher than the corresponding figures in 1920 except during the influenza epidemic of January-February, 1920. Digestive troubles, especially, were more prevalent throughout 1921 than in 1920, and respiratory illnesses occurred oftener in the last half of 1921 than in the second half of 1920. In the frequency of serious digestive diseases there appears to be little seasonal variation; diseases of the circulatory system, however, exhibit a slight seasonal tendency, a diminished incidence being manifest in the summer and early fall of both years.

TABLE II.—Number of cases of sickness and nonindustrial accidents causing absence from work for one week or longer per 1,000 persons per year among the membership of certain sick-benefit associations reporting to the Public Health Service, by disease causing disability, according to month of onset in the year 1921.

Disease or condition causing disability (with corresponding title numbers in parentheses from the International List of the Causes of Sickness and Death).	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
All diseases and conditions ¹	134.0	152.5	128.5	110.6	88.4	76.6	70.6	87.9	86.7	81.6	94.3	105.2
General diseases (1-59).....	40.8	60.2	46.1	34.0	23.7	14.2	14.2	17.3	20.1	21.6	26.9	31.0
Typhoid fever (1).....	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
Influenza and grippe (10).....	20.7	40.7	25.6	16.7	6.7	3.3	3.1	4.7	5.2	11.7	15.4	18.0
Tuberculosis of the lungs (28).....	2.5	1.5	2.8	2.5	2.0	1.9	2.1	2.1	.7	1.5	1.7	1.9
Cancer, all forms (39-46).....	.2	.6	.2	1.2	1.0	.4	.2	.2	.7	.2	.2	1.0
Rheumatism (47, 48).....	7.7	8.0	10.2	7.7	6.3	4.2	2.3	4.9	4.6	4.0	4.5	5.8
Occupational poisonings (57, 58).....	9.5	9.5	7.4	5.8	7.5	4.2	6.3	5.1	7.2	4.2	4.3	2.9
Others (2-9, 11-27, 29-38, 49-56, 59).....												
Diseases of the nervous system (60-76) ²	8.3	6.8	5.5	7.2	4.8	8.6	6.7	7.8	6.5	5.2	4.1	7.1
Insanity (67, 68).....	.2	.2	.2	.7	.2	.2	.2	.4	.2	.6	.1	.6
Neuralgia and neuritis (73).....	2.6	1.1	2.3	2.0	1.5	2.3	2.1	1.9	1.7	.6	1.3	1.7
Others (60-66, 69, 70, 72, 74).....	3.9	2.8	1.6	2.4	1.7	3.5	3.2	4.0	3.5	2.0	1.5	2.1
Diseases of the eyes (75).....	.9	1.9	.7	1.4	1.0	1.4	.4	.9	1.1	.6	.9	1.5
Diseases of the ears (76).....	.7	.8	.7	.7	.5	1.2	.4	.6	.2	.4	.4	1.2
Diseases of the circulatory system (77-85).....	4.7	5.3	5.7	4.4	5.5	2.8	3.5	3.0	3.1	3.4	4.5	6.2
Diseases of the heart (77-80).....	1.8	1.9	2.6	1.9	2.3	.9	2.1	.4	.7	1.1	1.7	2.7
Diseases of the veins (83).....	2.1	1.7	2.3	2.0	2.7	1.2	1.4	1.9	1.7	1.7	1.3	1.6
Others (81, 84, 85).....	.9	1.7	.8	.5	.5	.7	.7	.7	.7	.6	1.9	1.9
Diseases of the respiratory system (86-98).....	20.7	25.0	17.2	16.9	10.0	7.4	6.7	10.0	11.4	13.8	17.5	17.7
Bronchitis (90, 90).....	7.7	11.4	6.8	5.6	4.2	3.0	1.9	4.7	4.6	7.3	7.5	7.3
Pneumonia, all forms (91, 92).....	4.4	3.6	4.9	3.9	1.5	1.0	.9	1.3	1.5	2.1	2.3	3.5
Others (86-88, 93-98).....	8.6	10.0	5.5	7.3	4.3	3.9	3.8	4.4	5.5	4.4	7.2	6.9
Diseases of the digestive system (99-118).....	31.1	28.6	27.0	23.7	19.9	21.4	17.5	23.7	21.7	19.5	20.3	20.8
Diseases of the pharynx (100).....	14.4	14.0	10.4	8.9	6.5	5.3	3.9	5.9	2.6	4.4	6.8	7.1
Diseases of the stomach (102, 103).....	5.5	3.4	4.7	3.4	4.0	5.1	4.2	5.1	5.7	4.3	4.8	3.5
Diarrhea and enteritis (105).....	1.4	1.3	1.9	1.0	1.7	1.9	3.9	4.4	4.2	2.9	3.8	2.9
Appendicitis (108).....	4.0	3.6	4.4	5.1	3.8	3.7	2.5	3.2	5.5	4.4	3.8	4.4
Hernia (109).....	2.6	3.4	2.3	3.6	2.2	3.0	1.5	2.5	1.7	1.5	1.9	2
Others (99, 101, 106, 107, 110-118).....	3.2	2.8	3.4	1.7	1.7	2.5	1.5	2.6	2.6	1.9	1.5	2.7
Nonvenereal diseases of the genito-urinary system and annexa (119-133).....	3.9	4.0	2.1	4.1	2.8	2.6	2.2	2.3	3.1	3.1	3.6	2.1
Acute nephritis and Bright's disease (119, 120).....	.7	1.0	.3	1.2	1.0	.9	1.0	.6	.5	.4	.6	.4
Others (121-133).....	3.2	3.0	1.8	2.9	1.8	1.8	1.3	1.7	2.6	2.7	3.0	1.7
The puerperal state (134-141).....												
Diseases of the skin and cellular tissue (142-145).....	4.4	4.0	2.9	3.2	3.8	3.2	3.9	4.9	4.4	2.5	3.9	4.0
Furuncle (143).....	1.9	1.3	.5	.5	1.5	.9	1.6	1.3	1.5	.8	2.8	1.9
Others (142, 144, 145).....	2.5	2.7	2.4	2.7	2.3	2.3	2.3	3.6	2.9	1.7	1.1	2.1
Diseases of the bones and of the organs of locomotion (146-149).....	5.8	4.2	7.1	4.6	4.8	5.4	2.7	5.3	4.6	2.9	3.2	4.6
Diseases of the bones and of the joints (146-147).....	.9	1.0	1.8	1.4	1.2	1.8	.4	.8	1.1	.6	.6	.8
Others, including lumbago (148, 149).....	4.9	3.2	5.3	3.2	3.7	3.7	2.3	4.5	3.5	2.3	2.6	3.8
Senility (154).....			.2	.5								
External causes (155-186).....	7.9	8.2	10.0	8.7	9.5	8.4	9.6	9.7	9.8	6.9	9.4	9.8
Ill-defined diseases and conditions (187-189).....	6.5	6.3	4.7	3.4	3.5	2.6	3.5	3.4	2.0	2.7	.9	1.9

¹Except the venereal diseases.
²Including organs of special sense (eyes, ears).

TABLE III.—*Frequency of specified diseases, by month of occurrence in 1920 and 1921, among a group of wage earners.*¹

	Influenza and grippe (10).	Bronchitis (89, 90).	Pneumonia (91, 92).	Other respiratory (86-88, 93-96). ²	Diseases of the pharynx (100).	Rheumatism (47, 48).
1920.						
January.....	142.9	21.6	15.8	12.5	15.0	6.6
February.....	201.4	19.3	12.5	9.1	12.5	6.8
March.....	37.1	12.0	2.5	6.5	10.0	5.5
April.....	13.2	8.5	4.7	6.1	7.1	8.0
May.....	4.6	6.3	5.0	5.5	5.5	5.0
June.....	2.3	3.2	1.9	4.2	4.0	6.7
July.....	.8	3.8	1.6	2.6	3.4	3.0
August.....	1.2	3.8	2.0	4.4	3.6	3.4
September.....	2.0	4.1	1.6	2.4	4.1	3.6
October.....	7.4	3.8	3.2	4.8	7.0	3.4
November.....	9.3	6.7	2.4	5.7	7.0	4.6
December.....	18.1	6.2	4.9	6.5	11.2	7.0
1921.						
January.....	20.7	7.7	4.4	8.6	14.4	7.7
February.....	40.7	11.4	3.6	10.0	14.0	8.0
March.....	25.6	6.8	4.9	5.5	10.4	10.2
April.....	16.7	5.6	3.9	7.3	8.9	7.7
May.....	6.7	4.2	1.5	4.3	6.5	6.3
June.....	3.3	3.0	.5	3.9	5.3	4.2
July.....	3.1	1.9	1.0	3.8	3.9	2.3
August.....	4.7	4.7	.9	4.4	5.9	4.9
September.....	5.2	4.6	1.3	5.5	2.6	4.6
October.....	11.1	7.3	2.1	4.4	4.4	4.0
November.....	15.4	7.5	2.8	7.2	6.8	4.5
December.....	19.0	7.3	3.5	6.9	7.1	5.8

¹ Annual number of cases per 1,000 members of certain sick-benefit associations reporting to the Public Health Service. Only those cases of sickness and nonindustrial accidents causing disability for one week or longer are included.

² Including colds, laryngitis, pleurisy, pulmonary emphysema, etc., but not including pulmonary tuberculosis nor diseases of the pharynx.

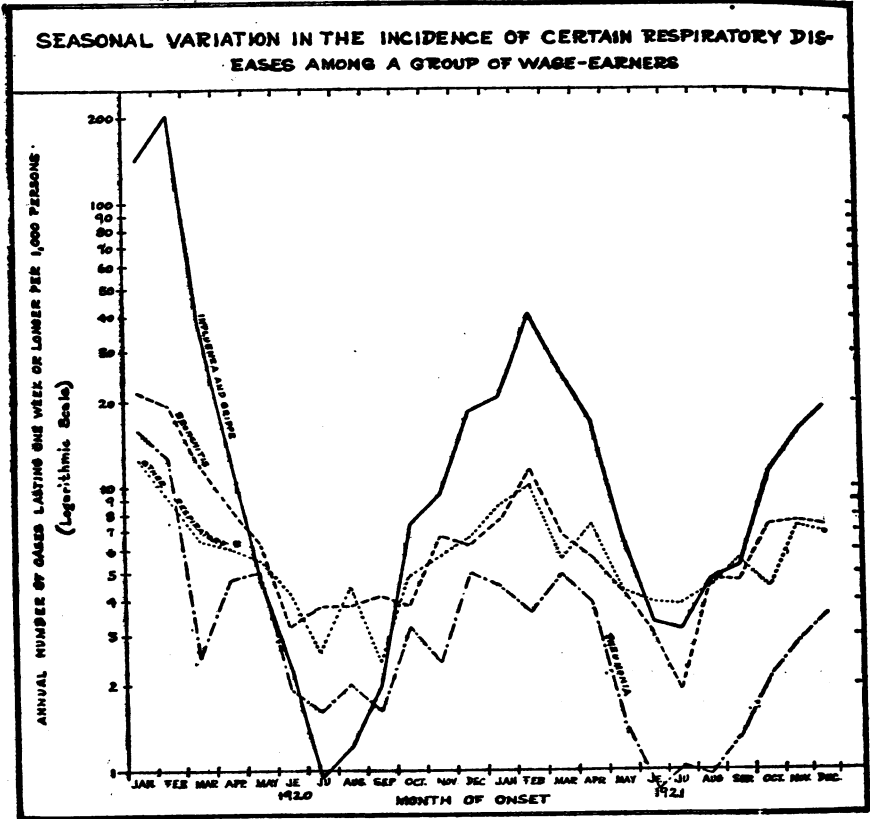
In Figure 1 the incidence of certain respiratory diseases has been plotted on a logarithmic scale to show the relative changes from month to month. The variation is extreme for influenza and grippe, even in the year 1921, which was not marked by an epidemic of influenza. The seasonal frequency of bronchitis appears to be similar to "other respiratory" diseases, which include such ailments as colds, laryngitis, pleurisy, pulmonary emphysema, and other similar respiratory illnesses. In 1921, February had the most, July the least, number of respiratory cases lasting a week or longer among the wage earners in the group under study.

Frequency of Sickness in Different Establishments.

The tables and graphs showing the rates in different plants include only those cases of sickness and nonindustrial accidents which caused disability for eight consecutive days or longer, and are therefore on a slightly different basis from the rates by months, which include all sickness and nonindustrial accidents lasting "a week or longer." The number of persons used as the divisor in the calculation of these rates is the yearly average of the number of employees reported as

holding membership in each association or relief department on or about the 15th of each month.

Attention is called to the wide variation in the rates for different industrial establishments. From the lowest rate (48 cases per 1,000 persons) to the highest (349 cases per 1,000 persons) is a range of more than 700 per cent, and if we exclude establishment No. 1, which



Not including pulmonary tuberculosis nor disease of the pharynx Fig. 1.

appears to have an unusually high incidence rate, we still have a difference amounting to more than 360 per cent of the lowest rate.

Establishment No. 27, which had the lowest rate, is a steel plant in Ohio. Other steel companies in the group are numbers 8, 10, and 22. Numbers 4, 6, 18, and 19 are large public utility corporations. The rest of the establishments are in various industries.

TABLE IV.—Number of cases of sickness and nonindustrial accidents causing disability for eight consecutive days or longer per 1,000 persons in the year 1921, by establishments reporting.

Reporting establishments.	Average number of persons.	Total number of cases.	Number of cases per 1,000 persons.
All reporting establishments.....	75,191	7,356	97.3
Establishment—			
No. 1.....	1,271	443	348.5
No. 2.....	3,280	572	173.9
No. 3.....	307	47	153.1
No. 4.....	4,788	696	145.4
No. 5.....	1,035	149	144.0
No. 6.....	3,037	434	142.9
No. 7.....	715	100	139.9
No. 8.....	2,354	302	128.3
No. 9.....	153	19	124.2
No. 10.....	905	104	114.9
No. 11.....	7,292	836	114.6
No. 12.....	904	103	113.9
No. 13.....	1,155	131	113.4
No. 14.....	990	109	110.1
No. 15.....	474	51	107.6
No. 16.....	544	54	99.3
No. 17.....	4,704	398	84.6
No. 18.....	10,275	864	84.1
No. 19.....	471	36	76.4
No. 20.....	171	13	76.0
No. 21.....	3,508	261	74.4
No. 22.....	12,111	870	71.8
No. 23.....	90	5	55.6
No. 24.....	5,745	319	55.5
No. 25.....	326	18	55.2
No. 26.....	1,620	89	54.9
No. 27.....	6,956	333	47.9

TABLE V.—Frequency of serious morbidity among males in establishment No. 1 compared with the average for males in 25 other plants, year 1921.¹

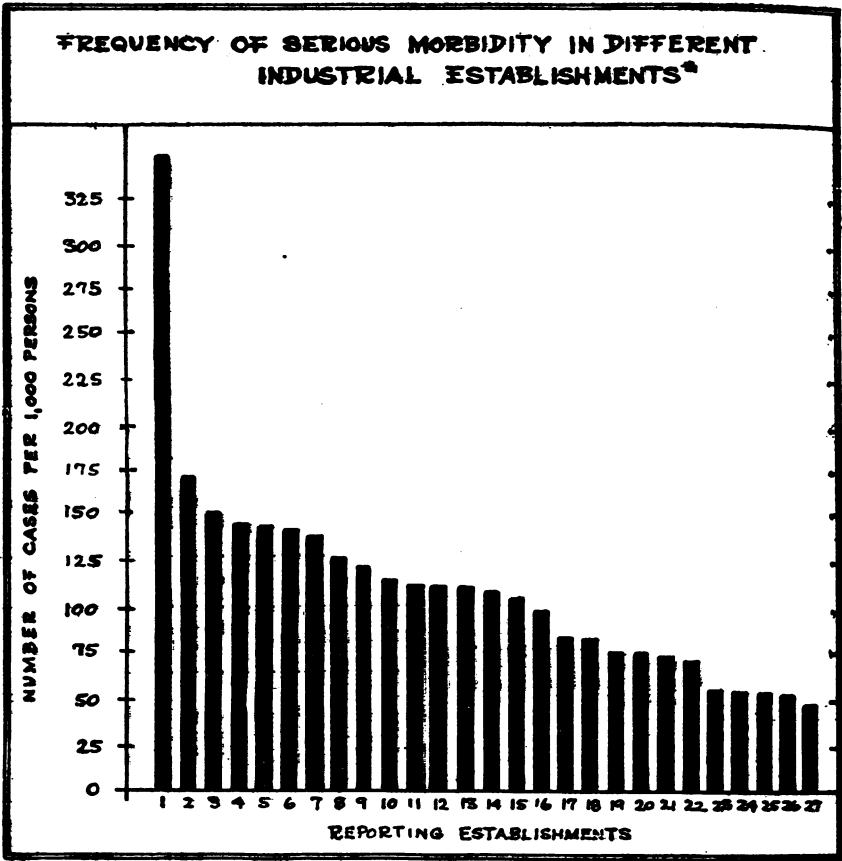
Diseases and conditions causing disability (with corresponding title numbers in parentheses from the International List of the Causes of Sickness and Death).	Males.				Per cent above (+) or below (−) the average for 25 other companies.
	Number of cases.		Number of cases per 1,000.		
	Establishment No. 1.	25 other companies.	Establishment No. 1.	25 other companies.	
All diseases and conditions (1-189).....	414	5,590	443.7	85.8	+417
Epidemic diseases in the "general" group (1, 5-9, 19) ²	8	164	8.6	2.5	+244
Purulent infection (20).....	4	154	4.3	2.4	+79
Rheumatism, neuralgia, neuritis, and lumbago (47, 48, 73, 149).....	62	615	66.4	9.4	+606
Tonsillitis and other diseases of the pharynx (100).....	25	362	26.8	5.5	+387
Influenza and grippe (10).....	120	734	128.6	11.3	+1,038
Other respiratory diseases including tuberculosis of the lungs (28, 86-98) ³	60	950	64.3	14.6	+340
Diseases of the digestive system (99-118).....	51	570	54.7	13.4	+306
Diseases of the circulatory system (77-85).....	14	257	15.0	3.9	+285
Diseases of the skin and cellular tissue (142-145).....	16	220	17.1	3.4	+403
All other diseases and conditions.....	54	1,264	57.9	19.4	+198
Average number of males.....	933	65,161			

¹ The record applies only to cases of sickness and nonindustrial accidents causing disability for eight consecutive days or longer.

² Typhoid fever, smallpox, measles, scarlet fever, whooping cough, diphtheria and croup, mumps, German measles, and chicken pox.

³ Except tonsillitis and other diseases of the pharynx.

The rates shown in Table IV and Figure 2 are for the plant as a whole regardless of the sex composition of the membership. A tabulation of the data at hand according to sex revealed a sickness frequency rate for females nearly 50 per cent greater than the male rate; so a certain amount of variation is to be expected when the proportion of women employed varies in different establishments. In Tables V and VI the sex factor was eliminated by considering



*Includes only those cases of sickness and non-industrial accidents causing disability for 8 consecutive days or longer in the year 1921.

Fig. 2

only the males. Contrary to expectation, the females in establishment No. 1 experienced a lower sickness rate than the males, for the number of cases was 444 per 1,000 males as compared with 349 cases per 1,000 persons of both sexes. An amazing amount of excess disability as measured by the experience for 25 other companies is shown in the final column of Table V, especially for influenza and grippe, for rheumatism, neuralgia, neuritis, and lumbago, and for diseases of

the skin and cellular tissue. In contrast, the rates for these diseases in establishment No. 27 as shown in Table VI were markedly below the average of the 25 other companies.

Such wide differences in the frequency of disease suggest to the industrial physician that great opportunities exist for reducing disability rates in many industrial establishments to the very low frequency that is maintained in certain plants like No. 27. It is important to point out, however, that before the problem can be intelligently attacked, we must ascertain in as much detail as possible the causes of the widely different sickness rates of certain industrial establishments.

TABLE VI.—Frequency of serious morbidity among males in establishment No. 27 compared with the average for males in 25 other plants, year 1921.¹

Diseases and conditions causing disability (with corresponding title numbers in parentheses from the International List of the Causes of Sickness and Death).	Males.				Per cent above (+) or below (-) the average for 25 other companies.
	Number of cases.		Number of cases per 1,000.		
	Establishment No. 27.	25 other companies.	Establishment No. 27.	25 other companies.	
All diseases and conditions (1-189).....	327	5,677	47.4	95.9	-51
Epidemic diseases in the "general" group (1, 5-9, 19). ²	15	157	2.2	2.7	-19
Purulent infection (20).....	15	143	2.2	2.4	-3
Rheumatism, neuralgia, neuritis, and lumbago (47, 48, 73, 149).....	36	647	4.3	10.9	-61
Tonsillitis and other diseases of the pharynx (100).....	27	360	3.9	6.1	-36
Influenza and grippe (10).....	30	824	4.3	13.9	-69
Other respiratory diseases including tuberculosis of the lungs (28, 86-98). ³	55	952	8.4	16.1	-48
Diseases of the digestive system (99-118).....	76	851	10.1	14.4	-30
Diseases of the circulatory system (77-85).....	26	245	3.8	4.1	-7
Diseases of the skin and cellular tissue (142-145).....	8	228	1.2	3.9	-69
All other diseases and conditions.....	48	1,270	7.0	21.4	-67
Average number of males.....	6,900	59,184			

¹ The record applies only to cases of sickness and nonindustrial accidents causing disability for eight consecutive days or longer.

² Typhoid fever, smallpox, measles, scarlet fever, whooping cough, diphtheria and croup, mumps, German measles, and chicken pox.

³ Except tonsillitis and other diseases of the pharynx.

INFLUENZA IN THE UNITED STATES.

The following table shows the number of cases of influenza reported by telegraph by State health officers to the United States Public Health Service for the period from October 1 to December 23, 1922, compared with similar reports during the corresponding period of the years 1921 and 1920.

Cases of influenza reported weekly by telegraph by State health officers, October 1, 1922, to December 23, 1922, and corresponding periods of 1921 and 1920.

State and year.	Four weeks in October.	Four weeks in November.	Forty-eighth week.	Forty-ninth week.	Fiftieth week.	Fifty-first week.
New England States:						
Maine—						
1922.....	4	3	5	11	4	6
1921.....	1	2				
1920.....	7	21		3	4	5
Massachusetts—						
1922.....	22	57	7	10	20	28
1921.....	27	16	17	8	5	12
1920.....	33	60	15	14	32	12
Connecticut—						
1922.....	18	23	3	18	10	12
1921.....	14	12	4	3	3	11
1920.....	8	68	10	9	3	15
Middle Atlantic States:						
New York—						
1922.....	41	58	12	26	17	20
1921.....	33	62	20	27	23	23
1920.....	85	141	26	50	23	20
New Jersey—						
1922.....	52	68	11	31	29	31
1921.....	15	39	12	8	8	7
1920.....	33	53	18	29	28	21
East North Central States:						
Illinois—						
1922.....	44	81	14	35	37	25
1921.....	50	67	21	15	22	24
1920.....	57	90	32	22	23	21
Wisconsin—						
1922.....	41	118	37	38	35	32
1921.....	23	27	2	16	14	2
1920.....	21	72	24	39	33	41
West North Central States:						
Minnesota—						
1922.....	4	4	1			
1921.....		3		3		
Missouri—						
1922.....	28	8	8	3	9	44
1921.....	28	19	18	11	5	4
South Dakota—						
1922.....		2				
1921.....		1				
1920.....	5	1	3	3	6	1
Nebraska—						
1922.....	5	1	3		3	
1921.....	1	2			4	
1920.....		4		1		6
Kansas—						
1922.....	8	9	4	1	4	3
1921.....	5	9	8	4	1	3
1920.....	40	32	27	5	13	7
South Atlantic States:						
Delaware—						
1922.....		4	6	(1)	3	2
1921.....						14
1920.....	2			9	8	
Maryland—						
1922.....	47	116	30	29	65	51
1921.....	45	96	10	18	28	18
1920.....	99	100	32	45	47	45
District of Columbia—						
1922.....	2	3	2		1	2
1921.....	4	5	3	3		2
1920.....		5	4	25	15	2
Georgia—						
1922.....	77	239	246	409	894	1,199
1921.....	56	43	7	13	13	22
1920.....	124	98	15	45	16	8
Florida—						
1922.....	25	55	48	28	49	21
1921.....	44	49	9	8		11
1920.....	50	25	2	6	21	25
East South Central States:						
Kentucky—						
1922.....	18	51	9	9	4	18
1921.....	20	59	10	10	12	20
1920.....	61	96	34	20	17	12
Alabama—						
1922.....	160	237	70	141	125	
1921.....	11	18			7	
1920.....	8		6	5		

¹ No weekly report received.

² Estimate for one week ending December 24.

Cases of influenza reported weekly by telegraph by State health officers, October 1, 1922, to December 23, 1922, and corresponding periods of 1921 and 1920—Continued.

State and year.	Four weeks in October.	Four weeks in November.	Forty-eighth week.	Forty-ninth week.	Fiftieth week.	Fifty-first week.
West South Central States:						
Arkansas—						
1922.....	34	48	28	35	10	40
1921.....	34	33	14	41	53	26
1920.....	62	167	47	78	24	100
Louisiana—						
1922.....	29	14	3			
1921.....	28	28	13			4
1920.....	11	62				
Texas—						
1922.....	5	23			6	8
1921.....	8	22	7	17		
1920.....	23	74	29	35	38	6
Mountain States:						
Wyoming, 1922						
.....		1				
Colorado—						
1922.....		2		2	3	
1921.....	1	1	1		4	2
New Mexico—						
1922.....		17	2		1	
1921.....	2	1	1			
1920.....	9	7		2		
Pacific States:						
Oregon—						
1922.....	8	7	3 ¹			4
1921.....	2	2		1		
California—						
1922.....	73	77	15	29	13	24
1921.....	53	42	21	29	7	3
1920.....		42	16	18	15	14

¹ Death.

MORTALITY FROM TYPHOID FEVER: 1921.

The Department of Commerce, through the Bureau of the Census, announces that there were over 8,000 deaths from typhoid fever in 1921 in the registration area, which comprises 82 per cent of the total population of the United States. The death rate from this disease was 9 per 100,000 population in 1921 as compared with 7.8 in 1920.

Of the 34 States shown for 1921 and 1920, only 9 show lower rates in 1921 than in 1920, as follows:

State.	1921	1920	State.	1921	1920
California.....	4.3	4.8	New Hampshire.....	3.6	6.8
Connecticut.....	3.6	4.1	North Carolina.....	12.0	12.5
Maine.....	7.6	9.0	Vermont.....	5.4	10.5
Michigan.....	7.7	7.9	Washington.....	5.4	5.6
Montana.....	3.5	4.8			

In 1921 Rhode Island had the lowest adjusted rate (2.6 per 100,000 population), while South Carolina had the highest (26.5).

Of the 11 states showing rates by color, the lowest adjusted rate for the white population in 1921 was 3.6 and the lowest for the colored was 1.9, both for New York State, while the highest adjusted

rate for the white population was 24.8 for Kentucky and for the colored 40.7 for Tennessee.

For the 27 States contained in the registration area of 1917 the death rate from typhoid fever per 100,000 population was 13.5 in 1917, 12.6 in 1918, 9.2 in 1919, 7.8 in 1920, and 8.7 in 1921.

Deaths and death rates from typhoid and paratyphoid fever in the registration area (exclusive of Hawaii) and in the registration States.

Area.	Number of deaths.			Ad-justed rate, 1921. ¹	Crude rate per 100,000 population. ²				
	1921	1920	1919		1921	1920	1919	1918	1917
Registration area.....	8,007	6,805	7,860	(*)	9.0	7.8	9.2	12.6	13.5
Registration States (1917) ³	6,380	5,324	6,241	(*)	8.7	7.3	8.7	11.9	13.4
California.....	153	166	182	4.3	4.3	4.8	5.4	6.0	6.9
Colorado.....	97	87	79	10.3	10.1	9.2	8.5	15.4	10.3
Connecticut.....	51	57	55	3.5	3.6	4.1	4.0	5.4	9.0
Delaware.....	26	25	39	11.9	11.5	11.2	17.6	(*)	(*)
Florida (total).....	179	143	175	18.0	17.9	14.6	18.3	(*)	(*)
White.....	112	86	111	17.2	16.8	13.3	17.7	.....	.....
Colored.....	67	57	64	20.2	20.1	17.2	19.4	.....	.....
Illinois.....	396	380	353	6.0	6.0	5.8	5.9	8.2	(*)
Indiana.....	366	284	332	12.7	12.3	9.7	11.4	13.8	17.2
Kansas.....	153	141	129	8.7	8.6	8.0	7.3	16.6	18.8
Kentucky (total).....	632	490	648	26.3	25.9	20.2	26.9	27.2	35.1
White.....	538	419	536	24.8	24.4	19.1	24.7	25.0	31.6
Colored.....	94	71	112	40.6	40.5	30.2	47.2	46.2	65.9
Louisiana (total).....	326	280	408	18.0	17.9	15.5	22.8	39.9	(*)
White.....	158	129	221	14.5	14.1	11.7	20.3	35.4	.....
Colored.....	168	151	187	23.8	24.0	21.5	26.6	46.7	.....
Maine.....	59	69	44	7.5	7.6	9.0	5.7	7.7	10.8
Maryland (total).....	152	100	170	10.3	10.3	6.9	11.8	17.0	18.2
White.....	91	65	112	7.4	7.4	5.6	9.4	13.3	15.8
Colored.....	61	32	58	24.1	24.7	13.0	23.7	35.0	29.4
Massachusetts.....	122	95	105	3.0	3.1	2.5	2.7	44.1	4.9
Michigan.....	292	294	275	7.8	7.7	7.9	7.6	9.5	11.3
Minnesota.....	888	71	79	3.5	3.6	3.0	3.3	3.7	4.3
Mississippi (total).....	333	333	364	18.6	18.6	18.6	20.3	(*)	(*)
White.....	108	99	130	13.3	12.6	11.5	15.3	.....	.....
Colored.....	225	234	234	23.4	24.0	25.1	24.9	.....	.....
Missouri.....	443	341	426	13.2	12.9	10.0	12.5	19.6	20.8
Montana.....	20	27	39	3.4	3.5	4.8	7.2	10.1	15.7
Nebraska.....	66	58	(*)	5.0	5.0	4.5	(*)	(*)	(*)
New Hampshire.....	16	30	15	3.7	3.6	6.8	3.4	4.5	6.1
New Jersey.....	147	105	100	4.5	4.5	3.3	3.2	5.5	6.7
New York (total).....	386	379	374	3.6	3.6	3.6	3.6	5.7	5.9
White.....	382	369	367	3.6	3.6	3.6	3.6	5.7	5.8
Colored.....	4	10	7	1.9	1.8	4.6	3.3	6.9	7.6
North Carolina (total).....	314	322	444	12.0	12.0	12.5	17.5	22.8	26.5
White.....	158	167	255	8.8	8.6	9.3	14.4	17.6	23.0
Colored.....	156	155	189	19.3	19.8	19.9	24.5	34.4	44.2
Ohio.....	542	435	457	9.1	9.2	7.5	8.0	13.6	12.6
Oregon.....	47	39	38	5.5	5.9	4.9	4.9	9.5	(*)
Pennsylvania (total).....	653	503	612	7.4	7.4	5.7	7.1	10.9	10.7
White.....	620	464	574	7.2	7.2	5.5	6.8	10.7	10.5
Colored.....	33	39	38	10.8	11.0	13.4	13.4	18.3	17.8
Rhode Island.....	17	17	20	2.6	2.8	2.8	3.3	5.7	5.8
South Carolina (total).....	445	379	440	26.5	26.0	22.4	26.3	35.5	31.9
White.....	141	131	130	17.3	16.8	15.9	16.0	26.0	22.6
Colored.....	304	248	310	35.2	35.0	28.6	35.9	44.3	40.3
Tennessee (total).....	611	434	653	6.6	26.1	18.5	28.0	30.2	38.3
White.....	431	311	462	22.6	22.5	16.4	24.6	26.8	35.1
Colored.....	186	123	191	40.7	41.5	27.3	42.2	43.9	51.4
Utah.....	42	31	42	9.0	9.1	6.8	9.4	9.4	13.7
Vermont.....	19	37	11	5.7	5.4	10.5	3.1	8.5	7.1
Virginia (total).....	379	260	357	16.2	16.1	11.2	15.5	17.9	20.8
White.....	229	157	210	14.2	13.9	9.6	13.1	15.7	15.2
Colored.....	1,150	103	147	21.3	21.6	14.9	21.3	23.0	33.4
Washington.....	75	76	57	5.3	5.4	5.6	4.2	7.4	9.4
Wisconsin.....	81	65	80	2.9	3.0	2.5	3.1	3.8	5.2

¹ The adjusted rate makes allowance for the differences in the age and sex composition of the populations in different States by showing what the death rate would be if all States had the same proportion of males and females and the same proportion of the total population in each age group.

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

³ Rate not calculated.

⁴ Including District of Columbia.

⁵ Not added to registration area until a later date.

ABSTRACTS FROM REPORTS ON RURAL SANITATION.

From time to time interesting information is contained in the progress reports of the cooperative work which is being done by the Public Health Service conjointly with State and county public health authorities in rural sanitation.

Recently a clinic was staged in a county where there was not a single specialist on diseases of the eye, ear, nose, or throat. A specialist was secured from a neighboring city. The physicians of the county joined in the work, 12 of them spending the whole day assisting in caring for the cases at the clinic. Within a few days after the clinic was held 20 persons with adenoids or diseased tonsils filed applications for operation whenever another clinic might be held.

The dentists of this county have engaged to make dental corrections needed by school children for the coming year, and where parents of the children are unable to pay the work will be done without cost to them.

In another county in which rural demonstrations were being made it was found that 73 children were excluded from the schools during the month because of contagious diseases, such as impetigo contagiosa, scabies, pediculi, and catarrhal conjunctivitis. All were sent home, obtained treatment, and returned to school after recovery.

After a raid by the authorities at one place, nine women were brought to the health officer for examination. Four of them were found to be suffering from gonorrhoea, and two from syphilis. They were treated at the venereal disease clinic of the county health department.

At the baby-welfare conference conducted by one of the county health departments a child 4 months old was brought to the clinic weighing 5 pounds 12 ounces. It had been nourished on canned milk, which was found to be too rich in sugars. A modified pasteurized cow's milk was substituted, and this was later changed to a buttermilk mixture. One month after this change in diet, the baby weighed 7 pounds 8 ounces. It was apparently healthy. Physicians who saw this case believe that the child would have eventually died had not its diet been changed.

Systematic examination of school children in a rural school showed 31 of 76 children, more than 10 per cent under normal weight.

One county reported that only 2 out of 56 rural schools were provided with equipment for sanitary disposal of human excreta. Shortly after the beginning of the demonstration 16 schools were reported to have sanitary toilets, and the work is still in progress.

At a large institution in this county plans had been drawn for the installation of a septic tank. The matter was brought to the attention of the sanitary officer, who found that according to the plans storm water from the roof of a large building was to be run through the septic tank. This he knew to be unnecessary and it would result in a large unnecessary cost. He discussed the matter with the authori-

ties of the institution. The plans were changed, and thereby the institution was saved more money than the salary and travel expenses of the sanitary officer amount to in a whole year.

Another clinic reports 60 children operated upon for diseased tonsils and adenoids, no specialist being available, one being brought to the clinic especially for this work. At the same time 24 children were examined for pulmonary tuberculosis, 17 of whom were found positive and placed under treatment. Two hundred children were examined for glasses and orders taken where needed.

In one county it has been stated that arrangements have been made between the county school superintendent and the county health officer whereby no school would be recommended for State aid unless the school has been provided with sanitary privies.

FATAL ATTACK OF SMALLPOX IN UNVACCINATED PRACTITIONER.

Dr. Daniel J. Williams, county health officer, Biloxi, Miss., reports December 1 as follows:

"We have had nine cases of chicken pox reported. Chicken pox makes us think of smallpox, so I went to investigate and located a genuine case, confluent in type, resulting fatally. The victim, Doctor Fetters, a chiropractor, of Biloxi, recently from Denver, Colo., had never been vaccinated. Biloxi has had a number of mild cases of smallpox during the past few years, and some citizens are not being vaccinated as they should. A few cases like the one mentioned above would help to persuade them of the effectiveness and necessity of vaccination."

MORTALITY FROM DIABETES: 1921.

The Department of Commerce, through the Bureau of the Census, announces that about 15,000 deaths in 1921 from diabetes mellitus were recorded in the registration area, which comprises 82 per cent of the population of the United States. Within this area the death rate from diabetes per 100,000 population was 16.8 in 1921 as compared with 16.1 in 1920.

To permit better interstate comparisons in 1921, the table gives adjusted rates, which makes allowances for differences in the sex and age distribution of the population in the various States. In the 34 States of the registration area, the highest adjusted rate (21.8) appears for New York and the lowest (6.4) for Tennessee.

For the States with considerable colored populations adjusted rates have been calculated separately for the white and colored populations. In this group of 11 States, the highest adjusted death rate from diabetes for the white population is 21.8 per 100,000 population for New York, and the highest adjusted rate for the

colored population is 22 for Pennsylvania. The lowest adjusted rate for the white population is 6.4 for Tennessee and the lowest for the colored population is 4 for Mississippi.

For the 27 States contained in the registration area of 1917, the death rate from diabetes per 100,000 population was 17 in 1917, 16.1 in 1918, 15.4 in 1919, 16.5 in 1920, and 17.2 in 1921.

Deaths and death rates from diabetes mellitus in the registration area (exclusive of Hawaii) and in the registration States.

Area.	Number of deaths.			Ad-justed rate, 1921. ¹	Crude rate per 100,000 population. ²				
	1921	1920	1919		1921	1920	1919	1918	1917
Registration area.....	14,933	14,062	12,683	(*)	16.8	16.1	14.9	15.9	17.0
Registration States (1917).....	12,648	11,968	10,997	(*)	17.2	16.5	15.4	16.1	17.0
California.....	727	506	583	16.7	20.3	17.1	17.3	16.4	18.9
Colorado.....	137	137	101	14.1	14.3	14.5	10.8	13.1	14.2
Connecticut.....	316	294	267	20.9	22.2	21.1	19.5	19.8	21.7
Delaware.....	33	24	25	13.1	14.6	10.7	11.3	(³)	(³)
Florida (total).....	104	86	69	10.8	10.4	8.8	7.2	(³)	(³)
White.....	89	74	62	12.7	13.3	11.4	9.9	(³)	(³)
Colored.....	15	12	7	6.4	4.5	3.6	2.1	(³)	(³)
Illinois.....	1,194	1,169	1,025	17.4	18.0	17.9	15.9	16.8	(³)
Indiana.....	485	485	482	13.6	16.3	16.5	16.5	17.1	18.0
Kansas.....	278	294	208	13.9	15.6	16.6	15.2	15.3	18.1
Kentucky (total).....	213	182	188	8.7	8.7	7.5	7.8	7.5	9.7
White.....	187	158	170	8.4	8.5	7.2	7.8	7.0	9.7
Colored.....	26	24	18	10.2	11.2	10.2	7.6	12.1	10.3
Louisiana (total).....	172	141	119	11.8	9.4	7.8	6.6	6.3	(³)
White.....	133	105	86	14.5	11.9	9.5	7.9	8.5	(³)
Colored.....	39	36	33	7.1	5.6	5.1	4.7	2.8	(³)
Maine.....	201	168	160	19.1	26.0	21.8	20.9	21.9	27.8
Maryland (total).....	252	248	234	15.8	17.1	17.0	16.2	16.8	14.6
White.....	227	220	205	16.6	18.5	18.2	17.1	17.6	16.2
Colored.....	25	28	29	10.8	10.1	11.4	11.9	12.8	7.0
Massachusetts.....	792	810	748	17.7	20.2	20.9	19.5	20.9	21.3
Michigan.....	627	605	568	15.7	16.5	16.3	15.7	16.8	17.3
Minnesota.....	440	415	322	18.0	18.1	17.3	13.6	16.8	15.6
Mississippi (total).....	104	103	89	6.8	5.8	5.8	5.0	(³)	(³)
White.....	31	38	51	4.0	4.0	7.6	6.0	(³)	(³)
Colored.....	73	65	38	4.0	3.3	4.1	4.0	(³)	(³)
Missouri.....	545	413	473	14.3	15.9	12.1	13.9	14.6	14.4
Montana.....	57	60	54	11.9	9.9	10.8	10.0	14.9	12.9
Nebraska.....	256	269	(³)	19.1	19.5	20.7	(³)	(³)	(³)
New Hampshire.....	129	104	71	21.3	29.0	23.4	16.0	22.0	25.7
New Jersey.....	641	594	543	19.9	19.7	18.6	17.4	18.5	21.3
New York (total).....	2,476	2,439	2,187	21.8	23.4	23.3	21.2	22.4	24.4
White.....	2,438	2,404	2,167	21.8	23.5	23.5	21.4	22.6	24.4
Colored.....	38	35	20	19.4	17.0	16.2	9.5	13.3	15.3
North Carolina (total).....	195	198	158	8.4	7.5	7.7	6.2	7.2	6.5
White.....	151	154	128	8.9	8.3	8.6	7.2	7.9	7.7
Colored.....	44	44	30	7.0	5.6	5.6	3.9	5.4	3.7
Ohio.....	1,067	1,025	928	16.1	18.0	17.6	16.3	15.9	16.6
Oregon.....	170	138	164	20.0	21.2	17.5	21.1	17.1	(³)
Pennsylvania (total).....	1,539	1,430	1,253	17.2	17.3	16.3	14.5	15.5	16.9
White.....	1,486	1,404	1,230	17.0	17.3	16.6	14.7	15.7	16.9
Colored.....	53	26	23	22.0	17.6	8.9	8.1	8.8	15.1
Rhode Island.....	121	123	147	18.0	19.7	20.2	24.5	18.3	20.2
South Carolina (total).....	124	105	100	9.5	7.3	6.2	6.0	7.1	5.4
White.....	86	74	73	12.0	10.2	9.0	9.0	10.2	7.0
Colored.....	38	31	27	6.1	4.4	3.6	3.1	4.2	3.8
Tennessee (total).....	145	145	154	6.4	6.1	6.2	6.6	6.8	7.0
White.....	121	116	128	6.4	6.3	6.1	6.8	7.2	7.5
Colored.....	24	29	26	6.1	5.4	6.4	5.7	5.3	4.8
Utah.....	66	60	50	16.8	14.3	13.2	11.2	14.6	10.7
Vermont.....	87	69	87	18.8	24.7	19.6	24.7	22.1	23.2
Virginia (total).....	236	217	197	10.7	10.1	9.3	8.4	8.5	8.7
White.....	179	170	150	11.1	10.8	10.4	9.3	9.8	10.2
Colored.....	57	47	42	9.9	8.2	6.8	6.1	5.7	5.2
Washington.....	210	190	207	15.1	15.1	13.9	15.4	16.9	15.4
Wisconsin.....	468	495	395	16.4	17.5	18.7	15.1	15.5	16.3

¹ The adjusted rate makes allowance for the differences in the age and sex composition of the populations in different States by showing what the death rate would be if all States had the same proportion of males and females and the same proportion of the total population in each age group.

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

³ Rate not calculated.

⁴ Including District of Columbia.

⁵ Not added to registration area until a later date.

DEATHS DURING WEEK ENDED DECEMBER 16, 1922.

Summary of information received by telegraph from industrial insurance companies for week ended December 16, 1922, and corresponding week 1921. (From the Weekly Health Index, December 19, 1922, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Dec. 16, 1922.	Corresponding week, 1921.
Policies in force.....	51, 549, 831	47, 908, 368
Number of death claims.....	9, 386	8, 509
Death claims per 1,000 policies in force, annual rate.....	9.5	9.3

Deaths from all causes in certain large cities of the United States during the week ended December 16, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, December 19, 1922, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1922.	Week ended Dec. 16, 1922.		Annual death rate per 1,000 corresponding week 1921.	Deaths under 1 year.		Infant mortality rate, week ended Dec. 16, 1922.*
		Total deaths.	Death rate. ¹		Week ended Dec. 16, 1922.	Corresponding week 1921.	
Total.....	28, 474, 219	7, 276	13.3	12.2	949	842	.....
Akron, Ohio.....	208, 435	30	7.5	5.3	7	3	77
Albany, N. Y.....	116, 223	46	20.6	19.5	2	2	115
Atlanta, Ga.....	220, 047	86	20.4	15.3	16	5	.....
Baltimore, Md.....	762, 222	229	15.7	12.3	23	22	63
Birmingham, Ala.....	191, 017	62	16.9	14.0	8	6	.....
Boston, Mass.....	784, 017	238	16.2	13.7	35	24	94
Bridgeport, Conn.....	143, 555	35	12.7	11.6	4	6	51
Buffalo, N. Y.....	528, 163	141	13.9	10.8	34	21	134
Cambridge, Mass.....	110, 944	34	16.0	12.7	3	1	51
Camden, N. J.....	121, 915	32	13.7	13.5	5	6	78
Chicago, Ill.....	2, 833, 288	597	11.0	11.2	81	84	.....
Cincinnati, Ohio.....	404, 865	134	17.3	14.9	10	12	64
Cleveland, Ohio.....	854, 565	166	10.1	9.9	23	28	60
Columbus, Ohio.....	253, 455	56	11.5	13.5	5	8	53
Dallas, Tex.....	171, 974	43	13.0	14.5	6	7	.....
Dayton, Ohio.....	161, 824	53	17.1	9.6	7	3	114
Denver, Colo.....	267, 591	111	21.6	15.1	10	2	.....
Detroit, Mich.....	993, 678	223	11.7	9.8	39	36	73
Duluth, Minn.....	104, 183	20	10.0	.....	1	.....	21
Erie, Pa.....	109, 528	34	16.2	12.7	6	4	117
Fall River, Mass.....	120, 790	42	18.1	11.2	8	6	112
Flint, Mich.....	111, 794	20	9.3	.....	2	.....	36
Fort Worth, Tex.....	114, 717	21	9.5	8.9	3	2	.....
Grand Rapids, Mich.....	143, 572	32	11.6	11.1	3	5	46
Houston, Tex.....	150, 087	37	12.9	11.9	6	2	.....
Indianapolis, Ind.....	333, 257	78	12.2	15.4	9	11	67
Jersey City, N. J.....	305, 911	73	12.4	11.9	10	11	64
Kansas City, Kans.....	113, 801	21	9.6	11.0	6	0	131
Kansas City, Mo.....	343, 988	96	14.6	12.7	15	10	.....
Los Angeles, Calif.....	634, 866	178	14.6	12.3	17	16	70
Louisville, Ky.....	256, 877	48	9.7	17.2	4	6	43
Lowell, Mass.....	114, 423	33	15.0	9.2	2	2	33
Lynn, Mass.....	101, 673	18	9.2	.....	3	.....	76
Memphis, Tenn.....	167, 862	60	18.6	17.6	6	8	.....
Milwaukee, Wis.....	476, 603	105	11.5	9.2	15	17	73
Minneapolis, Minn.....	400, 970	77	10.0	12.1	8	13	44
Nashville, Tenn.....	122, 832	32	13.6	15.0	7	5	.....
New Bedford, Mass.....	127, 542	24	9.8	5.0	3	5	43
New Haven, Conn.....	169, 987	33	10.1	15.9	7	9	85
New Orleans, La.....	399, 616	140	18.3	16.9	21	12	.....
New York N. Y.....	5, 839, 746	1, 403	12.5	11.3	194	166	75
Bronx Borough.....	808, 536	150	9.7	8.4	13	16	44
Brooklyn Borough.....	2, 117, 164	462	11.4	10.2	73	58	76
Manhattan Borough.....	2, 271, 888	649	14.9	13.5	87	83	81
Queens Borough.....	516, 737	99	10.0	8.8	15	7	81
Richmond Borough.....	124, 401	43	18.0	17.6	6	2	110

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and births for 1921. Cities left blank are not in the registration area for births.

* Enumerated population Jan. 1, 1920.

Deaths from all causes in certain large cities of the United States during the week ended December 16, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, December 19, 1922, issued by the Bureau of the Census, Department of Commerce.)—Continued.

City.	Estimated population July 1, 1922.	Week ended Dec. 16, 1922.		Annual death rate per 1,000 corresponding week 1921.	Deaths under 1 year.		Infant mortality rate, week ended Dec. 16, 1922.
		Total deaths.	Death rate.		Week ended Dec. 16, 1922.	Corresponding week 1921.	
Newark, N. J.	431,792	102	12.3	12.1	13	21	58
Norfolk, Va.	124,915	25	10.4	13.3	3	7	56
Oakland, Calif.	233,279	67	15.0	10.1	12	2	150
Omaha, Nebr.	200,739	62	16.1	19.3	10	14	108
Paterson, N. J.	138,521	36	13.6	13.7	2	6	31
Philadelphia, Pa.	1,894,500	585	16.1	12.6	73	54	88
Pittsburgh, Pa.	607,902	181	15.5	13.5	25	30	83
Portland, Oreg.	269,240	60	11.6	12.2	4	6	39
Providence, R. I.	241,011	64	13.8	15.0	6	10	48
Richmond, Va.	178,365	39	11.4	17.2	6	10	72
Rochester, N. Y.	311,548	55	9.2	9.4	6	5	46
St. Louis, Mo.	795,008	176	11.5	11.5	16	15	84
St. Paul, Minn.	239,836	65	14.1	12.3	9	7	122
Salt Lake City, Utah.	123,918	46	19.4	16.3	8	6	34
San Antonio, Tex.	178,056	65	19.0	14.3	16	8	28
San Francisco, Calif.	529,792	164	16.1	11.4	6	4	80
Seattle, Wash.	³ 315,312	49	8.1	10.7	3	3	15
Spokane, Wash.	104,445	35	17.5	14.0	4	1	108
Springfield, Mass.	140,052	25	9.3	9.4	1	4	24
Syracuse, N. Y.	181,012	58	16.7	12.1	9	11	96
Tacoma, Wash.	100,339	13	6.8	18.3	1	6	62
Toledo, Ohio.	260,717	80	16.0	14.8	10	11	23
Trenton, N. J.	125,075	43	17.9	14.9	4	5	65
Washington, D. C.	³ 437,571	136	16.2	9.6	4	3	144
Worcester, Mass.	188,449	44	12.2	14.9	6	7	144
Yonkers, N. Y.	105,422	23	11.4	14.9	7	3	144
Youngstown, Ohio.	144,970	37	13.3	14.9	8	7	104

³ Enumerated population Jan. 1, 1920.

PREVALENCE OF DISEASE.

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

UNITED STATES.

CURRENT STATE SUMMARIES.

Reports for Week Ended December 23, 1922.

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

ALABAMA.		Cases.	COLORADO.	
			(Exclusive of Denver.)	
				Cases.
Diphtheria.....		54	Chicken pox.....	22
Pellagra.....		1	Diphtheria.....	15
Pneumonia.....		5	Impetigo contagiosa.....	3
Scarlet fever.....		1	Measles.....	2
Tuberculosis.....		10	Mumps.....	6
Typhoid fever.....		3	Pneumonia.....	10
Whooping cough.....		17	Scarlet fever.....	36
			Smallpox.....	6
ARKANSAS.			Tuberculosis.....	14
Chicken pox.....		18	Typhoid fever.....	14
Diphtheria.....		16	Whooping cough.....	4
Influenza.....		40		
Malaria.....		9	CONNECTICUT.	
Measles.....		1	Cerebrospinal meningitis.....	2
Pneumonia.....		1	Chicken pox.....	57
Scarlet fever.....		4	Conjunctivitis (infectious).....	1
Smallpox.....		1	Diphtheria.....	84
Trachoma.....		1	German measles.....	2
Tuberculosis.....		2	Hookworm disease.....	1
Typhoid fever.....		16	Influenza.....	12
Whooping cough.....		1	Lethargic encephalitis.....	1
			Measles.....	274
CALIFORNIA.			Mumps.....	16
Cerebral meningitis:			Pneumonia (lobar).....	47
Riverside.....		1	Poliomyelitis.....	1
San Francisco.....		1	Scarlet fever.....	107
Whittier.....		1	Septic sore throat.....	1
Diphtheria.....		179	Tuberculosis (all forms).....	28
Influenza.....		24	Typhoid fever.....	2
Lethargic encephalitis:			Whooping cough.....	53
Ontario.....		1		
Measles.....		12	FLORIDA.	
Scarlet fever.....		174	Dengue.....	5
Smallpox.....		9	Diphtheria.....	20
Typhoid fever.....		12	Influenza.....	21
Whooping cough.....		34		

FLORIDA—continued		KANSAS—continued.	
	Cases.		Cases.
Malaria.....	9	Measles.....	20
Pneumonia.....	1	Mumps.....	5
Scarlet fever.....	1	Pneumonia.....	48
Smallpox.....	7	Scarlet fever.....	151
Typhoid fever.....	4	Smallpox.....	10
GEORGIA.		Trachoma.....	1
Chicken pox.....	2	Tuberculosis.....	31
Dengue.....	28	Typhoid fever.....	10
Diphtheria.....	7	Whooping cough.....	16
Dysentery (bacillary).....	1	LOUISIANA.	
Hookworm disease.....	7	Dengue.....	10
Influenza.....	1,199	Diphtheria.....	42
Malaria.....	2	Scarlet fever.....	3
Measles.....	14	Smallpox.....	9
Pneumonia.....	34	Typhoid fever.....	19
Poliomyelitis.....	1	MAINE.	
Scarlet fever.....	9	Chicken pox.....	17
Septic sore throat.....	1	Diphtheria.....	9
Smallpox.....	7	Influenza.....	6
Tuberculosis (pulmonary).....	8	Measles.....	16
Typhoid fever.....	17	Mumps.....	1
ILLINOIS.		Pneumonia.....	18
Cerebrospinal meningitis:		Scarlet fever.....	17
Madison County.....	2	Septic sore throat.....	1
Diphtheria:		Tetanus.....	1
Cook County (including Chicago).....	201	Tuberculosis.....	6
Chicago.....	183	Typhoid fever.....	2
Edgar County.....	9	Whooping cough.....	29
Kane County.....	10	MARYLAND. ¹	
Madison County.....	9	Cerebrospinal meningitis.....	1
Sangamon County.....	12	Chicken pox.....	146
Stephenson County.....	10	Diphtheria.....	93
Scattering.....	114	Dysentery.....	1
Influenza.....	25	German measles.....	17
Pneumonia.....	353	Influenza.....	51
Scarlet fever:		Measles.....	119
Cook County (including Chicago).....	100	Mumps.....	20
Chicago.....	89	Pneumonia (all forms).....	107
Peoria County.....	16	Scarlet fever.....	76
Stephenson County.....	10	Septic sore throat.....	3
Scattering.....	162	Tuberculosis.....	39
Smallpox:		Typhoid fever.....	5
Stephenson County.....	13	Whooping cough.....	84
Scattering.....	21	MASSACHUSETTS.	
Typhoid fever.....	9	Chicken pox.....	248
Whooping cough.....	168	Conjunctivitis (suppurative).....	4
INDIANA.		Diphtheria.....	204
Diphtheria.....	107	German measles.....	10
Scarlet fever.....	101	Influenza.....	28
Smallpox.....	5	Lethargic encephalitis.....	1
Typhoid fever.....	12	Malaria.....	1
IOWA.		Measles.....	713
Diphtheria.....	67	Mumps.....	173
Scarlet fever.....	100	Ophthalmia neonatorum.....	20
Smallpox.....	3	Pneumonia (lobar).....	130
KANSAS.		Scarlet fever.....	198
Cerebrospinal meningitis.....	1	Septic sore throat.....	9
Chicken pox.....	96	Trachoma.....	3
Diphtheria.....	94	Tuberculosis (all forms).....	100
German measles.....	1	Typhoid fever.....	11
Influenza.....	3	Whooping cough.....	27

¹Week ended Friday.

MICHIGAN.	
	Cases.
Diphtheria.....	194
Measles.....	48
Pneumonia.....	139
Scarlet fever.....	276
Smallpox.....	60
Tuberculosis.....	40
Typhoid fever.....	14
Whooping cough.....	146

MINNESOTA.	
Chicken pox.....	9
Diphtheria.....	109
Measles.....	19
Pneumonia.....	3
Poliomyelitis.....	1
Scarlet fever.....	247
Smallpox.....	35
Trachoma.....	5
Tuberculosis.....	44
Typhoid fever.....	2
Whooping cough.....	10

MISSISSIPPI.	
Diphtheria.....	20
Scarlet fever.....	7
Smallpox.....	8
Typhoid fever.....	11

MISSOURI.	
Chicken pox.....	21
Diphtheria.....	49
Epidemic sore throat.....	6
Influenza.....	44
Pneumonia.....	6
Scarlet fever.....	67
Smallpox.....	24
Tetanus.....	1
Tuberculosis.....	2
Typhoid fever.....	2
Whooping cough.....	5

MONTANA.	
Diphtheria.....	2
Scarlet fever.....	24
Smallpox.....	16
Typhoid fever.....	2

NEBRASKA.	
Chicken pox.....	50
Diphtheria:	
Omaha.....	15
Scattering.....	14
Lethargic encephalitis:	
Omaha.....	1
Measles.....	2
Mumps.....	6
Pneumonia.....	3
Scarlet fever:	
Buffalo County.....	8
Holt County.....	8
Omaha.....	9
Thayer County.....	15
Scattering.....	40
Smallpox.....	3
Typhoid fever.....	3
Whooping cough.....	3

¹ Deaths.

NEW JERSEY.	
	Cases.
Cerebrospinal meningitis.....	1
Chicken pox.....	172
Diphtheria.....	241
Influenza.....	31
Measles.....	612
Pneumonia.....	184
Poliomyelitis.....	1
Scarlet fever.....	167
Typhoid fever.....	9
Whooping cough.....	131

NEW MEXICO.	
Chicken pox.....	26
Conjunctivitis.....	5
Diphtheria:	
Albuquerque.....	8
Scattering.....	18
Hookworm disease.....	1
Lethargic encephalitis.....	1
Mumps.....	3
Pneumonia.....	17
Scarlet fever.....	11
Smallpox.....	1
Tuberculosis.....	29
Typhoid fever.....	7

NEW YORK.	
(Exclusive of New York City and Erie and Monroe Counties.)	
Diphtheria.....	154
Influenza.....	20
Measles.....	112
Pneumonia.....	178
Poliomyelitis.....	1
Scarlet fever.....	204
Smallpox.....	1
Typhoid fever.....	19
Whooping cough.....	166

OREGON.	
Chicken pox.....	28
Diphtheria:	
Portland.....	9
Scattering.....	15
Influenza.....	4
Measles.....	2
Mumps.....	3
Pneumonia.....	111
Scarlet fever:	
Portland.....	11
Scattering.....	12
Smallpox.....	16
Tuberculosis.....	30
Typhoid fever.....	3
Whooping cough.....	2

SOUTH DAKOTA.	
Chicken pox.....	7
Diphtheria.....	6
Dysentery (amebic).....	1
Pneumonia.....	7
Scarlet fever.....	28
Smallpox.....	1
Trachoma.....	3
Typhoid fever.....	1

TEXAS.		WEST VIRGINIA.	
	Cases.		Cases.
Diphtheria.....	28	Diphtheria.....	22
Influenza.....	8	Influenza:	
Measles.....	17	Princeton.....	75
Pellagra.....	3	Williamson.....	15
Pneumonia.....	11	Measles:	
Scarlet fever.....	16	Wheeling.....	77
		Scarlet fever.....	21
		Typhoid fever.....	10
VERMONT.		WISCONSIN.	
Chicken pox.....	48	Milwaukee:	
Diphtheria.....	1	Chicken pox.....	33
Measles.....	4	Diphtheria.....	32
Mumps.....	7	Measles.....	674
Pneumonia.....	4	Ophthalmia neonatorum.....	1
Scarlet fever.....	17	Scarlet fever.....	94
Whooping cough.....	65	Tuberculosis.....	2
		Whooping cough.....	16
WASHINGTON.		Scattering:	
Cerebrospinal meningitis:		Cerebrospinal meningitis.....	1
Pacific County.....	1	Chicken pox.....	154
Seattle.....	1	Diphtheria.....	71
Chicken pox.....	61	German measles.....	2
Diphtheria:		Influenza.....	32
Benton County.....	12	Measles.....	152
Scattering.....	9	Pneumonia.....	23
Dysentery (amebic).....	13	Scarlet fever.....	144
Lethargic encephalitis:		Smallpox.....	44
Spokane County.....	1	Tuberculosis.....	11
Measles.....	7	Typhoid fever.....	3
Mumps.....	29	Whooping cough.....	123
Scarlet fever:			
Seattle.....	10	WYOMING.	
Scattering.....	16	Diphtheria.....	1
Smallpox.....	14	Scarlet fever.....	2
Tuberculosis.....	20		
Typhoid fever.....	2		
Whooping cough.....	9		

Reports for Week Ended December 16, 1922.

DISTRICT OF COLUMBIA.		KENTUCKY—continued.	
	Cases.		Cases.
Cerebrospinal meningitis.....	1	Mumps.....	1
Chicken pox.....	23	Pneumonia.....	21
Diphtheria.....	19	Scarlet fever.....	11
Influenza.....	1	Septic sore throat.....	1
Measles.....	8	Smallpox.....	6
Scarlet fever.....	17	Trachoma.....	25
Tuberculosis.....	20	Tuberculosis:	
Typhoid fever.....	2	Jefferson County.....	26
Whooping cough.....	29	Scattering.....	4
		Typhoid fever.....	3
		Whooping cough.....	14
KENTUCKY.		NORTH DAKOTA.	
Chicken pox.....	25	Chicken pox.....	8
Diphtheria:		Diphtheria.....	32
Jefferson County.....	12	German measles.....	1
Scattering.....	26	Measles.....	6
Influenza.....	4	Pneumonia.....	5
Malaria.....	1	Scarlet fever.....	51
Measles:		Smallpox.....	8
Henderson County.....	38	Tuberculosis.....	1
Jefferson County.....	1	Typhoid fever.....	7
McCracken County.....	5	Whooping cough.....	1
Nelson County.....	11		

SUMMARY OF CASES REPORTED MONTHLY, BY STATES.

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

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>October, 1922.</i>										
Colorado.....		454			8		3	218	175	120
Ohio.....	6	2,162	11	30	516		10	1,434	80	330
<i>November, 1922.</i>										
Arkansas.....	2	125	76	273	5	22	1	52	4	70
Florida.....		122	103	124	3	11	3	6	3	30
Indiana.....		934	40		206		3	481	49	40
Louisiana.....	1	182	17	105	2	13	3	41	21	70
Maryland.....	6	466	127	15	404	1	7	307		125
Michigan.....		1,315	11		109		1	1,173	97	117
Minnesota.....	2	858	3		26		7	982	174	33
New Jersey.....	10	1,117	71	5	1,280		10	605	1	131
New York.....	18	1,935	273	6	762		66	1,735	5	225
Rhode Island.....	2	158			522		1	43		11
West Virginia.....	4	535	48		66		3	315	28	84

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922.

ANTHRAX.

City.	Cases.	Deaths.
Delaware:		
Wilmington.....	1	

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 9, 1922.		City.	Median for previous years.	Week ended Dec. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				New Jersey:			
Montgomery.....	0	1		Newark.....	0	1	
California:				New York:			
Los Angeles.....	0	1		New York.....	5	4	2
San Francisco.....	0	1		Schenectady.....	0		1
Illinois:				North Carolina:			
Chicago.....	1	1		Greensboro.....	0		1
Kewanee.....	0	1		Pennsylvania:			
Indiana:				Reading.....	0	1	
Laporte.....			1	Texas:			
Massachusetts:				Houston.....	0		1
Gardner.....	0		1	Washington:			
Michigan:				Seattle.....	0	1	
Detroit.....	0	1		Wisconsin:			
Missouri:				Madison.....	0	1	
St. Louis.....	0	2					

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

DENGUE.

City.	Cases.	Deaths.
Georgia: Macon.....	35	
Louisiana: New Orleans.....	12	

DIPHTHERIA.

See p. 3223; also Current State summaries, p. 3212, and Monthly summaries by States, p. 3216.

INFLUENZA.

City.	Cases.		Deaths, week ended Dec. 9, 1922.	City.	Cases.		Deaths, week ended Dec. 9, 1922.
	Week ended Dec. 10, 1921.	Week ended Dec. 9, 1922.			Week ended Dec. 10, 1921.	Week ended Dec. 9, 1922.	
Alabama: Birmingham.....		2	2	Montana: Billings.....	1		
Arkansas: Little Rock.....	1			Great Falls.....			1
California: Los Angeles.....	5	6	1	Nebraska: Lincoln.....	1		
Oakland.....		3	1	Nevada: Reno.....		1	
Pasadena.....	1			New Jersey: East Orange.....	1		
Sacramento.....	3			Hackensack.....		1	
San Francisco.....	2	4	1	Jersey City.....	1		
Santa Barbara.....			1	Kearny.....		1	
Connecticut: Bridgeport.....		2		Newark.....	2	21	1
New Britain.....	2			Trenton.....		1	
District of Columbia: Washington.....	3			New York: Albany.....	8	1	
Florida: Tampa.....	3	2		Buffalo.....	2		
Georgia: Atlanta.....		3		Jamestown.....	1		
Brunswick.....		11		New York.....	25	35	7
Savannah.....		5	1	Peekskill.....	1		
Valdosta.....		1		North Carolina: Durham.....			1
Illinois: Chicago.....	13	21	2	Ohio: Akron.....	1		
East St. Louis.....			1	Ashtabula.....	5		
Pekin.....	1			Bucyrus.....			1
Kentucky: Louisville.....	1	3	1	Cincinnati.....		3	5
Louisiana: New Orleans.....		1	2	Cleveland.....		3	
Maryland: Baltimore.....	13	18	1	Toledo.....			1
Cumberland.....		1		Pennsylvania: Philadelphia.....	1	3	6
Massachusetts: Boston.....	6	1		Rhode Island: Providence.....			1
Cambridge.....	2	1		South Carolina: Charleston.....		17	
New Bedford.....	1			Texas: Dallas.....	2		2
Quincy.....		2	1	Utah: Salt Lake City.....			1
Saugus.....	2	2		Virginia: Richmond.....			1
Somerville.....	1			Roanoke.....	2	4	
Worcester.....		1	1	Wisconsin: La Crosse.....		1	
Michigan: Detroit.....		1		Wyoming: Cheyenne.....		1	1
Missouri: Kansas City.....	1	1	1				

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

LEPROSY.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama: Los Angeles.....	1		New York: New York.....	1	
Mississippi: Biloxi.....	1				

LETHARGIC ENCEPHALITIS.

California: Oakland.....		1			
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MALARIA.

Alabama: Birmingham.....	15		Tennessee: Memphis.....	4	
Georgia: Atlanta.....	1		Virginia: Richmond.....		1

MEASLES.

See p. 3223; also Current State summaries, p. 3212, and Monthly summaries by States, p. 3216.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
North Carolina: Charlotte.....		1	Texas: El Paso.....	1	1
			Houston.....		2

PNEUMONIA (ALL FORMS).

Alabama: Birmingham.....		5	Georgia: Atlanta.....		14
Arkansas: Little Rock.....	7		Brunswick.....	1	
California: Alameda.....	2		Rome.....	4	
Glendale.....	1	1	Savannah.....		11
Long Beach.....	1		Valdosta.....		2
Los Angeles.....	24	12	Illinois: Bloomington.....		2
Oakland.....	11	8	Chicago.....	212	52
Pasadena.....	2		Cicero.....		3
Richmond.....		1	Decatur.....	4	1
Riverside.....		2	East St. Louis.....		3
Sacramento.....	6	4	Elgin.....	1	
San Bernardino.....	2		Evanston.....	1	
San Diego.....		2	Freeport.....	5	1
San Francisco.....	14	9	Jacksonville.....	4	3
San Jose.....	1		Kewanee.....	3	1
Santa Ana.....		2	La Salle.....		1
Santa Barbara.....		1	Mattoon.....	1	
Colorado: Denver.....		17	Oak Park.....	1	
Pueblo.....		3	Pekin.....	1	
Connecticut: Bridgeport.....		3	Peoria.....		1
Bristol.....		4	Springfield.....		2
Hartford.....		5	Indiana: Fort Wayne.....		3
Manchester.....	2		Gary.....		2
New Haven.....		9	Huntington.....		1
New London.....	5	1	Indianapolis.....		6
District of Columbia: Washington.....		17	Laporte.....		1
Florida: Tampa.....		1	Michigan: Mishawaka.....		1
			Muncie.....		1
			Terre Haute.....		1
			Iowa: Burlington.....	2	

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Kansas:			Montana:		
Kansas City.....	7	.....	Butte.....	.....	4
Topeka.....	4	2	Great Falls.....	.....	2
Wichita.....	2	1	Helena.....	.....	1
Kentucky:			Nebraska:		
Covington.....	.....	2	Lincoln.....	.....	5
Henderson.....	2	.....	Omaha.....	.....	8
Lexington.....	.....	2	Nevada:		
Louisville.....	14	8	Reno.....	4	.....
Louisiana:			New Hampshire:		
New Orleans.....	.....	27	Concord.....	.....	1
Maine:			Dover.....	.....	1
Auburn.....	.....	1	Keene.....	.....	3
Bangor.....	1	.....	New Jersey:		
Biddeford.....	2	.....	Atlantic City.....	.....	1
Lewiston.....	.....	2	Bayonne.....	2	.....
Portland.....	.....	1	Belleville.....	2	.....
Sanford.....	3	2	Bloomfield.....	4	.....
Maryland:			Clifton.....	.....	1
Baltimore.....	59	27	East Orange.....	5	.....
Massachusetts:			Garfield.....	3	2
Amesbury.....	.....	1	Hackensack.....	.....	1
Arlington.....	.....	1	Harrison.....	1	.....
Beverly.....	.....	1	Hoboken.....	.....	4
Boston.....	27	26	Jersey City.....	2	.....
Cambridge.....	5	3	Kearny.....	3	1
Chelsea.....	4	.....	Montclair.....	.....	1
Clinton.....	.....	1	Morristown.....	2	.....
Danvers.....	.....	1	Newark.....	57	17
Easthampton.....	2	.....	Orange.....	4	1
Everett.....	5	.....	Passaic.....	8	4
Fall River.....	.....	8	Plainfield.....	.....	1
Fitchburg.....	2	.....	Summit.....	3	2
Frammingham.....	.....	3	Trenton.....	17	6
Greenfield.....	.....	1	West New York.....	.....	1
Haverhill.....	4	.....	West Orange.....	1	.....
Holyoke.....	.....	4	New Mexico		
Lawrence.....	6	1	Albuquerque.....	3	.....
Lowell.....	6	2	New York:		
Lynn.....	3	1	Albany.....	15	.....
Malden.....	3	1	Auburn.....	.....	2
Medford.....	.....	1	Buffalo.....	29	8
Milford.....	1	.....	Cohoes.....	4	1
New Bedford.....	.....	6	Elmira.....	2	.....
Newburyport.....	.....	2	Geneva.....	.....	1
Newton.....	.....	2	Hornell.....	2	.....
Pittsfield.....	.....	2	Ithaca.....	.....	1
Plymouth.....	.....	1	Lackawanna.....	5	1
Quincy.....	.....	2	Middletown.....	3	1
Revere.....	2	.....	Mount Vernon.....	.....	2
Salem.....	.....	1	New York.....	318	144
Saugus.....	2	1	Newburgh.....	.....	3
Somerville.....	4	1	Niagara Falls.....	6	4
Southbridge.....	.....	1	Port Chester.....	4	1
Springfield.....	5	.....	Rochester.....	17	2
Taunton.....	.....	4	Saratoga Springs.....	1	.....
Wakefield.....	3	.....	Schenectady.....	5	.....
Waltham.....	.....	1	Syracuse.....	18	3
Woburn.....	.....	1	Troy.....	5	4
Worcester.....	.....	5	Watertown.....	.....	1
Michigan:			White Plains.....	2	.....
Ann Arbor.....	2	.....	Yonkers.....	9	6
Battle Creek.....	1	.....	North Carolina:		
Detroit.....	78	29	Charlotte.....	.....	1
Flint.....	3	.....	Rocky Mount.....	.....	1
Grand Rapids.....	14	1	Wilmington.....	.....	6
Hamtramck.....	.....	2	Ohio:		
Highland Park.....	5	1	Akron.....	5	.....
Kalamazoo.....	6	5	Barberton.....	2	.....
Pontiac.....	2	.....	Bellaire.....	1	.....
Port Huron.....	1	.....	Cambridge.....	1	.....
Minnesota:			Canton.....	.....	1
Duluth.....	3	1	Cleveland.....	45	19
Minneapolis.....	.....	9	Columbus.....	.....	12
St. Paul.....	.....	10	Dayton.....	1	.....
Missouri:			East Cleveland.....	2	.....
Kansas City.....	16	11	Hamilton.....	.....	1
St. Joseph.....	.....	4	Mansfield.....	1	.....
Springfield.....	.....	1	Marion.....	1	.....

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922 - Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Ohio—Continued.			Texas:		
Middletown.....		1	Dallas.....		4
New Philadelphia.....	1		El Paso.....		1
Piqua.....		1	Fort Worth.....		3
Salem.....		1	Galveston.....		1
Sandusky.....		1	Houston.....		6
Tiffin.....	1		Utah:		
Toledo.....		5	Salt Lake City.....		8
Youngstown.....		3	Vermont:		
Zanesville.....		1	Rutland.....		1
Oklahoma:			Virginia:		
Oklahoma.....		2	Alexandria.....		1
Oregon:			Norfolk.....		4
Portland.....		7	Petersburg.....		2
Pennsylvania:			Portsmouth.....		1
Philadelphia.....	112	85	Richmond.....		5
Rhode Island:			Roanoke.....		1
Cranston.....		1	West Virginia:		
Pawtucket.....		2	Huntington.....		3
Providence.....		5	Wheeling.....		1
South Carolina:			Wisconsin:		
Charleston.....		2	Beloit.....	2	
Columbia.....	31		Fond du Lac.....	1	
South Dakota:			Kenosha.....		1
Sioux Falls.....		1	Madison.....	1	
Tennessee:			Milwaukee.....	3	
Memphis.....		6	Oshkosh.....		2
Nashville.....		3	Racine.....		1
			Superior.....		4

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 9, 1922.		City.	Median for previous years.	Week ended Dec. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				New York:			
Birmingham.....	0		1	New York.....	1	6	
Illinois:				Syracuse.....	0	1	
Chicago.....	1		1	Pennsylvania:			
Maryland:				Erie.....	0	1	
Baltimore.....	0	1		Texas:			
Massachusetts:				Dallas.....	0	1	
Boston.....	0	1	2				
New Jersey:							
Paterson.....	0	1					

RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
California:		Tennessee:	
Los Angeles.....	7	Memphis.....	1
Oakland.....	1	Virginia:	
Riverside.....	1	Alexandria.....	1

SCARLET FEVER.

See p. 3223; also Current State summaries, p. 3212, and Monthly summaries by States, p. 3216.

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 9, 1922.		City.	Median for previous years.	Week ended Dec. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Nebraska:			
Los Angeles.....	1	1		Omaha.....	3	2	
Oakland.....	1	3		New Mexico:			
San Francisco.....	1	1		Albuquerque.....	0	1	
Colorado:				North Carolina:			
Denver.....	11	23	8	Winston-Salem.....	0	1	
Illinois:				North Dakota:			
Freeport.....	0	5		Grand Forks.....	0	3	
Indiana:				Ohio:			
Elwood.....	0	4		Dayton.....	1	3	
Fort Wayne.....	0	1		Oklahoma:			
Indianapolis.....	2	2		Oklahoma.....	1	1	
Iowa:				Tulsa.....	0	2	
Council Bluffs.....	2	4		Oregon:			
Muscatine.....	0	1		Portland.....	8	1	
Sioux City.....	1	1		Texas:			
Minnesota:				Houston.....	0	1	
Duluth.....	0	12		Utah:			
Minneapolis.....	12	3		Salt Lake City.....	7	2	1
St. Paul.....	20	3		Washington:			
Mississippi:				Seattle.....	2	3	
Biloxi.....		2		Spokane.....	23	6	
Missouri:				West Virginia:			
St. Louis.....	1	1		Bluefield.....	1	1	
Montana:				Wisconsin:			
Great Falls.....	1	2		Eau Claire.....	0	2	
Missoula.....	0	1		Superior.....	0	2	

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Rhode Island:		
Montgomery.....	1		Providence.....		1
Massachusetts:			Virginia:		
Attleboro.....	1		Norfolk.....		1
Oklahoma:					
Oklahoma.....		1			

TUBERCULOSIS.

See p. 3223; also Current State summaries, p. 3212.

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1921, inclusive. In instances in which data for the full seven years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 9, 1922.		City.	Median for previous years.	Week ended Dec. 9, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Missouri:			
Birmingham.....	1	1		Kansas City.....	2	2	1
Mobile.....	0		1	St. Louis.....	3	8	1
California:				Nebraska:			
Los Angeles.....	1	3	3	Omaha.....	0	1	
Sacramento.....	0	1		New Jersey:			
San Diego.....	0	1		Trenton.....	0	1	1
San Francisco.....	2	1		New Mexico:			
Santa Ana.....	0	1		Albuquerque.....	1	2	
Colorado:				New York:			
Denver.....	0		1	Buffalo.....	2	2	
Pueblo.....	0	2		New York.....	24	19	3
Connecticut:				Newburgh.....	0		1
Hartford.....	0	1		Niagara Falls.....	0	1	
New Haven.....	1	1	1	North Tonawanda.....	0	1	
District of Columbia:				Olean.....	0	1	
Washington.....	5	1		Troy.....	0	1	
Georgia:				Ohio:			
Savannah.....	0	2	1	Bucyrus.....	0	1	
Illinois:				Cincinnati.....	1	2	1
Chicago.....	5	2		Cleveland.....	0	3	2
Springfield.....	0	3		Piqua.....	0	6	1
Indiana:				Toledo.....	2		1
Laporte.....		2		Pennsylvania:			
Michigan City.....		1		Chambersburg.....	0	1	
Iowa:				Coatesville.....	0	1	
Council Bluffs.....	0	5		Erie.....	0	1	
Sioux City.....	0	2		Harrisburg.....	1	1	
Kansas:				McKeesport.....	0	1	
Atchison.....	0	1		Philadelphia.....	4	8	1
Kansas City.....	0	1		Pittsburgh.....	2	2	
Kentucky:				South Carolina:			
Henderson.....	0	1		Charleston.....	0	1	
Louisville.....	3	1		Tennessee:			
Louisiana:				Knoxville.....	0	1	1
New Orleans.....	2	13	1	Memphis.....	0	2	1
Maine:				Texas:			
Lewiston.....	0	1		Dallas.....	1	2	
Maryland:				Virginia:			
Baltimore.....	7	8	2	Roanoke.....	0	2	
Massachusetts:				Washington:			
Boston.....	2	1	1	Spokane.....	0	1	
Chelsea.....	0	1		West Virginia:			
Fall River.....	2	2		Bluefield.....	0	1	
Michigan:				Wheeling.....	0	1	
Detroit.....	5	2		Wisconsin:			
Minnesota:				Green Bay.....	0	1	
Minneapolis.....	0	1		Marinette.....	0	1	

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,806	47	9				4		3	
Mobile.....	69,777	25	4							3
Montgomery.....	43,464	15							1	3
Arkansas:										
Hot Springs.....	11,695	4	1							
Little Rock.....	65,142		1			2		2		
North Little Rock.....	14,048		1			1		1		
California:										
Alameda.....	28,806	4	1		1		1			1
Eureka.....	12,923	9				3			1	
Glendale.....	13,536	7								
Long Beach.....	55,593	15	7			2			1	
Los Angeles.....	576,673	176	45	4	1	37	1	61	5	13
Oakland.....	216,261	52	15		2	14		5		1
Pasadena.....	45,354	14	1			1		2		1
Richmond.....	16,843	2								
Riverside.....	19,341	11	2					7		
Sacramento.....	65,908	21	5		1		10	1		2
San Bernardino.....	18,721	8	5		1					4
San Diego.....	74,693	28	9		2		5		4	3
San Francisco.....	506,676	147	27	5	2	5		19		11
San Jose.....	39,642	13	1		1		5		1	
Santa Ana.....	15,485	4	4							
Santa Barbara.....	19,441	4	4							
Santa Cruz.....	10,917	3								
Vallejo.....	21,107	2								
Colorado:										
Denver.....	256,491	87	36	4			19			9
Pueblo.....	43,050	9	7	1			2			
Connecticut:										
Bridgeport.....	143,555	36	10	1	9		8		5	4
Bristol.....	20,620	11	6		25	1				
Derby.....	11,238	1								
Fairfield (town).....	11,475	3			2		3			
Hartford.....	138,096	42	26		3		2		6	1
Manchester (town).....	18,370	2	1				1			
Meriden (city).....	29,867		1						2	1
Milford (town).....	10,193	1								
New Haven.....	162,537	43			24	1	8		5	
New London.....	25,688	6	1				1		1	
Norwalk.....	27,743	3		1						
Stonington (town).....	10,236	4								
Delaware:										
Wilmington.....	110,168	21			15		15			
District of Columbia:										
Washington.....	437,571	112	18	2	7		25		23	7
Florida:										
St. Petersburg.....	14,237	12	2		1		2			1
Tampa.....	51,608	19	2							4
Georgia:										
Albany.....	11,555		1				1			
Atlanta.....	200,616	68	7				4		3	5
Brunswick.....	14,413	4							1	1
Macon.....	52,995		5		1				2	
Rome.....	13,252		3				4			
Savannah.....	83,232	40	4	1			3			
Valdosta.....	10,783	5								
Idaho:										
Boise.....	21,393	5								
Pocatello.....	15,001	2								
Illinois:										
Alton.....	24,622	2	6				6		2	1
Aurora.....	36,397	7	12				1		2	
Bloomington.....	24,725	9	1				3		2	
Blue Island.....	11,424	4								
Chicago.....	2,701,705	599	259	12	147		93	2	123	42
Cicero.....	44,995	12	7	1			2			1
Decatur.....	43,818	13	5		1		4	2		
East St. Louis.....	66,767	20	3	1			3		2	
Elgin.....	27,454	7	1		1		1		2	
Evanston.....	37,234	8	6		4		3		1	
Forest Park.....	10,768	1								
Freeport.....	19,069	12	6		1		4		2	

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.
DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
Galesburg.....	23, 834	3								
Jacksonville.....	15, 713	7					6			
Kewanee.....	16, 026	4	1						5	
La Salle.....	13, 050	5	1		1					
Mattoon.....	13, 552	5							2	
Oak Park.....	39, 858	9	6				2			
Peoria.....	76, 121	21	2		1		8			
Quincy.....	35, 978	8								1
Springfield.....	59, 183	20	5	1	9		5			
Indiana:										
Anderson.....	29, 767	6					2			1
Bloomington.....	11, 595	2							1	1
Crawfordsville.....	10, 139	2								
East Chicago.....	35, 967	6	1							
Fort Wayne.....	86, 549	32	6				1			1
Frankfort.....	11, 585	2	2		1		1			
Gary.....	55, 378	6	5		1		13			
Hammond.....	36, 004	9	2		4		3			
Huntington.....	14, 000	7	1				2			
Indianapolis.....	314, 194	94	69	3	1		15		10	6
Kokomo.....	30, 067	4	1		1					
La Fayette.....	22, 486	4	10	1						
Laporte.....	15, 158	2			5		2			
Logansport.....	21, 626	5							1	1
Michigan City.....	19, 457	6	2				5		1	
Mishawaka.....	15, 195	4	2		13		3		1	
Muncie.....	36, 524	6	1				1		1	
South Bend.....	70, 983	7	1		80		6		3	
Terre Haute.....	66, 083	10	7	1			1			
Iowa:										
Burlington.....	24, 057	6	7	1			4			
Clinton.....	24, 151		5							
Council Bluffs.....	36, 162	10	2				4			1
Davenport.....	56, 727		22	2			1			
Des Moines.....	126, 468		15	2			14			
Dubuque.....	39, 141				30		4			
Iowa City.....	11, 267		2							
Marshalltown.....	11, 267						2			
Mason City.....	15, 731						1			
Muscatine.....	20, 065	5	7				1			
Muscatine.....	16, 068	4	1				2			
Ottumwa.....	23, 003		6				1			
Sioux City.....	71, 227		7				5		4	
Waterloo.....	36, 230		5				5			
Kansas:										
Atchinson.....	12, 630		3				2			
Coffeyville.....	13, 452	2								
Fort Scott.....	10, 693	6	6				2			
Hutchinson.....	23, 298		1						2	
Kansas City.....	101, 177		4				8		5	
Lawrence.....	12, 456	7	1				1			
Parsons.....	16, 028	4	1				2			
Salina.....	15, 085	2							1	
Topeka.....	50, 022	14	24	1			4		2	
Wichita.....	72, 217	24	8	1			5		2	2
Kentucky:										
Covington.....	57, 121	24	3	2			2		1	
Henderson.....	12, 169	4			40					
Lexington.....	41, 534	18								2
Louisville.....	234, 891	51	21	1			6		11	5
Owensboro.....	17, 424						1			
Paducah.....	24, 735				86					
Louisiana:										
New Orleans.....	387, 219	154	33		4		8		20	14
Maine:										
Aburn.....	16, 985	8					7			
Bangor.....	25, 978								1	
Bath.....	14, 731	2								
Biddeford.....	18, 008	2							1	
Lewiston.....	31, 791	15	2		1		5	1	5	1
Portland.....	69, 272	21	9		4		2			
Sanford (town).....	10, 691	7								
Waterville.....	13, 351		2							

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Maryland:										
Baltimore.....	733, 826	221	60	3	59		26	1	18	13
Cumberland.....	29, 837	10	1		2		2		1	
Massachusetts:										
Adams (town).....	12, 567	2	1				2			
Amesbury (town).....	10, 036	4	2				1			
Arlington (town).....	18, 665	6								
Attleboro.....	19, 731				22					
Belmont (town).....	10, 749	1					1		1	
Beverly.....	22, 561	11	2				1		1	1
Boston.....	748, 060	223	71	3	75	4	37		32	12
Braintree (town).....	10, 580	2					2			
Brookline.....	37, 748	6	4				1			
Cambridge.....	109, 694	35	8	1	3		11		4	3
Chelsea.....	43, 184	13	5	1	45		1		1	
Chicopee.....	36, 214	8								
Clinton.....	12, 979	5		1			1		1	
Danvers.....	11, 108		1							
Dedham.....	10, 792	2								
Everett.....	40, 120	6	1		15		1		1	
Fall River.....	120, 485	47	23	3	121	3	4		6	5
Fitchburg.....	41, 029	8	6				3			
Frammingham.....	17, 033	7							1	
Gardner.....	16, 971	4	1				3		1	
Greenfield.....	15, 462	3	2						1	
Haverhill.....	53, 884	11	3				7			2
Holyoke.....	60, 203	19	8	1					2	1
Lawrence.....	94, 270	22					3		2	2
Leominster.....	19, 744	2			1		1			
Lowell.....	112, 759	30	12		1		2		4	2
Lynn.....	99, 143	28	2		36		8		1	4
Malden.....	49, 103	11	5				4		4	1
Medford.....	39, 038	5			4		3		1	
Melrose.....	18, 204	2					2		1	
Methuen.....	15, 189	2			1					
Milford.....	13, 471	4							1	
New Bedford.....	121, 217	23	7	1	82		2		7	1
Newburyport.....	15, 618	6								
Newton.....	46, 054	13	3	1	1		4			
North Adams.....	22, 282	2								
Northampton.....	21, 951	13	2				5		1	
Pittsfield.....	41, 763	16	2		2		9	2	4	
Plymouth.....	13, 045	6								
Quincy.....	47, 876	10	3		4		5		3	1
Revere.....	28, 823	8							1	
Salem.....	42, 529	14		1					1	
Saugus.....	10, 874	2								
Somerville.....	93, 091	28	12	2	7		5	1		1
Southbridge.....	14, 245	2	3				1			
Springfield.....	129, 614	37	22	1			7	1	2	2
Taunton.....	37, 137	15	1		7		6			
Wakefield.....	13, 025	2	1				1			
Waltham.....	30, 915	12	8				12			1
Watertown.....	21, 457	4	3		1		3			1
Webster.....	13, 258	7								
West Springfield.....	13, 443	0			2					
Westfield.....	18, 604	10								2
Winchester.....	10, 485	3								
Winthrop.....	15, 455	1					1			
Woburn.....	16, 574	3								
Worcester.....	179, 754	51	42		2	1	25		2	3
Michigan:										
Alpena.....	11, 101		2				9			
Ann Arbor.....	19, 516	9	2							
Battle Creek.....	36, 154		3				8			
Benton Harbor.....	12, 233	0	2				1			
Detroit.....	993, 678	192	82	6	18		97	3	54	9
Flint.....	91, 599	16	20	1	2		13		5	1
Grand Rapids.....	137, 634	37	7		1	1	11	1	5	
Hamtramck.....	48, 615	11	5	2					3	1
Highland Park.....	46, 499	13	4						3	
Holland.....	12, 183	0	1						2	
Ironwood.....	15, 739	1	1							
Kalamazoo.....	48, 487	19	8		1		2			

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.
DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Michigan—Continued.										
Pontiac.....	34, 273	4	2				1			
Port Huron.....	25, 944	7	3				1			
Sault Ste. Marie.....	12, 096	3					2			
Minnesota:										
Duluth.....	98, 917	13	2		8		1		4	
Hibbing.....	15, 089	2	1				4		1	
Mankato.....	12, 469						2			
Minneapolis.....	380, 582	90	48	1	1		40		21	7
St. Cloud.....	15, 873		1		1		2			
St. Paul.....	234, 698	60	26		4		61	1	9	5
Winona.....	19, 143	12	4	1			1			1
Mississippi:										
Biloxi.....	10, 937	2								
Missouri:										
Joplin.....	29, 902		2				1			
Kansas City.....	324, 410	91	20				10		7	2
St. Joseph.....	77, 939	26	6		1		6			4
St. Louis.....	772, 897	190	44	1	17		31	1	43	14
Springfield.....	39, 631	13		1						1
Montana:										
Anaconda.....	11, 668	3								
Billings.....	15, 100	4					2			
Butte.....	41, 611	12	1				1			2
Great Falls.....	24, 121	7								
Helena.....	12, 037	6								
Missoula.....	12, 668	2					3		2	1
Nebraska:										
Lincoln.....	54, 948	14							1	
Omaha.....	191, 601		9	1	1		5			7
Nevada:										
Reno.....	12, 016	4							1	
New Hampshire:										
Berlin.....	16, 104	6								
Concord.....	22, 167	6	3				1			
Dover.....	13, 029	2								
Keene.....	11, 210	5					2		1	
New Jersey:										
Asbury Park.....	12, 400	8								
Atlantic City.....	50, 707	7			80	1			1	1
Bayonne.....	75, 754		7						2	
Bellville.....	15, 680								1	
Bloomfield.....	22, 019	2			4		5			
Clifton.....	28, 470	4	3				2		1	
East Orange.....	50, 710	7			2		5		1	2
Englewood.....	11, 627	3	1				1			
Garfield.....	19, 381	5	3		1					1
Hackensack.....	17, 667	6					3			
Harrison.....	15, 721	2					1			
Hoboken.....	68, 166	20	4				1		1	
Jersey City.....	298, 103		31				10		10	
Kearny.....	26, 724	4	2				1		1	
Montclair.....	28, 810	4					2			
Morrisstown.....	12, 548	4			31		1		1	
Newark.....	414, 524	121	15		103	4	16		22	8
Orange.....	33, 268	5	2		14		1			
Passaic.....	63, 841	20	3		26		3		3	1
Paterson.....	135, 875		12				2		6	
Phillipsburg.....	16, 923	3	1	1			1			
Plainfield.....	27, 700	5							4	1
Summit.....	10, 174	9			2					
Trenton.....	119, 289	40	51	6	5		5		2	2
Union (town).....	20, 651		3				3		1	
West Hoboken.....	40, 074	4	5							
West New York.....	29, 926	4	3							
West Orange.....	15, 573	1	3		14		3			1
New Mexico:										
Albuquerque.....	15, 157	10	4	2					4	1
New York:										
Albany.....	113, 344		7							
Auburn.....	36, 192	9	5	2			4		5	
Buffalo.....	503, 775	196	21	3	46	1	24	2	15	15
Cohoes.....	22, 987	6	3							1
Elmira.....	45, 393		1		1					
Geneva.....	14, 648	4					1			
Glens Falls.....	16, 638	8					1			

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.
DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
Hornell.....	15,025	3					1			
Hudson.....	11,745	2	2		1		1			
Ithaca.....	17,004	5	2			2				
Lackawanna.....	17,918	6	4			2				
Little Falls.....	13,038	3								
Lockport.....	21,308	4								1
Mount Vernon.....	42,736	8	1		37		2			
New York.....	5,620,048	1,259	220	13	111	3	153	1	248	176
Newburgh.....	30,366	14			1				1	
Niagara Falls.....	50,760	10			1		5		1	
North Tonawanda.....	15,482	5	2				5			
Olean.....	20,506	5	1				7		1	
Peekskill.....	15,868	5	1				1			1
Port Chester.....	16,573	2					2			
Poughkeepsie.....	35,000	10	2	1					1	
Rochester.....	295,750	52	20	3	65	1	4		21	2
Saratoga Springs.....	13,181	4			2		1		4	
Schenectady.....	88,723	18	7		2	1	25		4	
Syracuse.....	171,717	42	31	2	2		14		13	1
Troy.....	72,013	21	6						5	1
Watertown.....	31,285	8			1		2		1	
White Plains.....	21,031	4					2		1	
Yonkers.....	100,176	26	8	2	2		3			
North Carolina:										
Charlotte.....	46,338	9							4	1
Durham.....	21,719	6	3		1		3		1	2
Greensboro.....	15,861	10								
Raleigh.....	24,418	9	2				1		2	
Rocky Mount.....	12,742	7								
Salisbury.....	13,884	3								
Wilmington.....	33,372	17	3						3	1
Winston-Salem.....	48,395	9	6				3			
North Dakota:										
Fargo.....	21,961	0	2				2			
Grand Forks.....	14,010						3			
Ohio:										
Akron.....	208,435	30	14		1		19			
Ashtabula.....	22,062	2								
Barberton.....	18,811	5	1				2		8	2
Bellaire.....	15,061	3	2	1						
Bucyrus.....	10,425	2								
Cambridge.....	13,104	4	2		1					1
Canton.....	87,091	16	5		1		12			
Chillicothe.....	15,831	5	2				8			
Cincinnati.....	401,247	126	30	3	4		21		13	8
Cleveland.....	796,841	173	66	2	36	1	163	2	28	16
Columbus.....	237,031	60	12		18		7		9	3
Coshocton.....	10,847	2					2			
Dayton.....	152,550	39	5		2		13			
East Cleveland.....	27,292	3					1			
Findlay.....	17,021	2	1							
Fremont.....	12,468	4								
Hamilton.....	39,675	15	6		2					3
Kenmore.....	12,683	1								
Lancaster.....	14,706	4								
Lorain.....	37,295	9			3		10			
Mansfield.....	27,824	3	4		2		1			
Marion.....	27,891	0	1		1					
Martins Ferry.....	11,634	2	1		8		1			
Middletown.....	23,594	8								
New Philadelphia.....	10,718	1					3			
Newark.....	26,718	6	1							
Niles.....	13,080	7								
Norwood.....	24,966	4	2				1			
Piqua.....	15,044	4	1				1			
Salem.....	10,305	4	4							
Sandusky.....	22,897	7	3				3			1
Springfield.....	60,840	13	7				4			1
Steubenville.....	28,508	10	3						1	
Tiffin.....	14,375	9								
Toledo.....	243,164	50	43	1	271	6	13		1	5
Youngstown.....	132,358	18	44		2		8			
Zanesville.....	29,569	4	2		40		2		1	

¹ Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.
DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Oklahoma:										
Oklahoma.....	91,295	21	3		2		6			
Tulsa.....	72,075		5		1		4			
Oregon:										
Portland.....	258,288	62	10		2		7		9	
Pennsylvania:										
Allentown.....	73,502		17		7		2			
Altoona.....	60,331		5				2			
Ambridge.....	12,730		2							
Beaver Falls.....	12,802		1		4		1			
Berwick.....	12,181		4		1		4			
Bethlehem.....	50,358		8		4		2			
Braddock.....	20,879		1		40					
Bradford.....	15,525						1			
Butler.....	23,778		1				1			
Canonsburg.....	10,632				2					
Carlisle.....	10,916						1			
Carnegie.....	11,516		2		1					
Carwick.....	10,504				20		7			
Chambersburg.....	13,171				3		4			
Charleroi.....	11,516		1		1		2			
Chester.....	58,030				27		1		4	
Coatesville.....	14,515				34					
Connellsville.....	13,804		3		1		1			
Dickson.....	11,019		1		1					
Dubois.....	13,681		5				1			
Duquesne.....	19,011				25				1	
Easton.....	33,813				3					
Erie.....	93,372		5				4			
Farrell.....	15,586		1				2			
Greensburg.....	15,033				1		1			
Harrisburg.....	75,917		7		2		16			
Hazleton.....	32,277		1				1			
Homestead.....	20,452		2		2				1	
Johnstown.....	67,327		3		1		2			
Lancaster.....	53,150		5				25			
McKees Rocks.....	16,713		7				2			
McKeesport.....	46,781		1				2			
Mahanoy City.....	15,599		1							
Monessen.....	18,179		6				1			
Mount Carmel.....	17,469				1		1			
Nanticoke.....	22,614		2						1	
New Castle.....	44,938						2			
New Kensington.....	11,987				2		1			
Norristown.....	32,319		7		128					
North Braddock.....	14,928				56					
Oil City.....	21,274						8		2	
Philadelphia.....	1,823,779	611	87	11	3,124	39	61	2	58	45
Phoenixville.....	10,484				3		1			
Pittsburgh.....	588,343		54		68		50		8	
Plymouth.....	16,500		2		1					
Pottsville.....	21,876								1	
Reading.....	107,784		9		60				1	
Scranton.....	137,783		3							
Shamokin.....	21,204		1		1					
Sharon.....	21,747		1		1		1			
Steelton.....	13,428				4					
Sunbury.....	15,721				1		1			
Swissvale.....	10,908				4		1		1	
Uniontown.....	15,662		8				1			
Warren.....	14,272		1							
Washington.....	21,490		2				3			
West Chester.....	11,717		7		10					
Wilkes-Barre.....	73,833		6				3			
Williamsburg.....	24,403		2				3			
Williamsport.....	36,196		1							
Woodlawn.....	12,405		1		30				1	
York.....	47,512		1		1		4			
Rhode Island:										
Cranston.....	29,407		8		15		1			
Newport.....	30,255		4				2			
Pawtucket.....	64,248		13	3	12					4
Providence.....	237,595		64	11	2	107	1	3		

CITY REPORTS FOR WEEK ENDED DECEMBER 9, 1922—Continued.
DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
South Carolina:										
Charleston.....	67,957	16	2				2		1	2
Columbia.....	37,524		5							
Greenville.....	23,127	7	2							
South Dakota:										
Sioux Falls.....	25,202	7	5		2					
Tennessee:										
Chattanooga.....	57,895		2				2			
Knoxville.....	77,818						6		5	2
Memphis.....	182,351	49	15	2	2		3		8	5
Nashville.....	118,342	29								2
Texas:										
Beaumont.....	40,422	14	1						2	
Corpus Christi.....	10,522	2								
Dallas.....	158,976	36	19				2	1	3	2
El Paso.....	77,560	22	1		23	1	2		4	3
Fort Worth.....	106,482	31	2	1			4		2	
Galveston.....	41,255	15					3			1
Houston.....	138,276	47	10		10		4			1
Waco.....	38,500	9	1				2			
Utah:										
Salt Lake City.....	118,110	28	12	1	1		2			
Vermont:										
Barre.....	10,008						1			
Burlington.....	22,779	10	2				1			
Rutland.....	14,954	5					1			
Virginia:										
Alexandria.....	18,060	4					1		1	
Charlottesville.....	10,688		1				1			
Danville.....	21,539	8	2							
Lynchburg.....	30,070	7	4						2	2
Norfolk.....	115,777	7			3		2		10	3
Petersburg.....	31,012	12	1				2		3	1
Portsmouth.....	54,387	10	2							
Richmond.....	171,667	61	20		2		16		4	2
Roanoke.....	50,842	17	8		2				1	1
Washington:										
Aberdeen.....	15,337		1				1			
Everett.....	27,644								3	
Seattle.....	315,312		1		3		7		6	
Spokane.....	104,437		7		2		12			
Tacoma.....	96,965		5				5		19	
Vancouver.....	12,637						1			
Yakima.....	18,539								1	
West Virginia:										
Bluefield.....	15,282	8	4							1
Charleston.....	39,608	8	8		1		2			1
Clarksburg.....	27,869	2								
Fairmont.....	17,851		3							
Huntington.....	50,177	12	13							1
Morgantown.....	12,127		2				1			
Moundsville.....	10,669	3	1							
Wheeling.....	56,208	17	3		43		3		4	1
Wisconsin:										
Appleton.....	19,561		9		1		2			
Beloit.....	21,284	5	2		1		13	1	1	
Eau Claire.....	20,906		1							
Fond du Lac.....	23,427	5					2			
Green Bay.....	31,117		3							
Janesville.....	18,293	4					2			
Kenosha.....	40,472	5	3		5		1			
La Crosse.....	30,421				4		4			
Madison.....	38,378		8				3			
Marquette.....	13,610						2			
Milwaukee.....	457,147		21		785		63		10	
Oshkosh.....	33,132	11	2				3			
Racine.....	58,593	9	6		2		2		8	
Sheboygan.....	30,955		15		2		2			
Stevens Point.....	11,371		1							
Superior.....	39,671	11	3							
Waukesha.....	12,558						2			
Wausau.....	18,661		4							
West Allis.....	13,745		4		16		7			
Wyoming:										
Cheyenne.....	13,829	1	2							

FOREIGN AND INSULAR.

CANADA.

Communicable Diseases—Ontario—October, 1922 (Comparative).

Communicable diseases were reported in the Province of Ontario, Canada, during the month of October, 1922, as follows:

Disease.	October, 1922.		October, 1921.	
	Cases.	Deaths.	Cases.	Deaths.
Cerebrospinal meningitis.....	4	4	4	4
Diphtheria.....	395	40	685	56
Measles.....	166	0	16	3
Pneumonia (influenzal).....		14	10	5
Pneumonia (primary).....		137	.....	129
Poliomyelitis.....	38	2	21	4
Scarlet fever.....	369	5	154	15
Smallpox.....	21	1	16	0
Tuberculosis.....	175	112	176	118
Typhoid fever.....	111	32	100	30
Whooping cough.....	149	11	129	7

Venereal Diseases—October, 1922 (Comparative).

During the month of October, 1922, 2 cases of chancroid, 170 cases of gonorrhoea, and 229 cases of syphilis were reported in the Province, as compared with 4 cases of chancroid, 256 of gonorrhoea, and 271 of syphilis reported during the corresponding month in the year 1921.

CUBA.

Communicable Diseases.

Communicable diseases have been notified in Cuba as follows:

Provinces.

Province.	New cases reported Nov. 1-10, 1922.							
	Chicken-pox.	Diphtheria.	Malaria.	Measles.	Paratyphoid fever.	Scarlet fever.	Small-pox.	Typhoid fever.
Carnagney.....			16		1			7
Habana.....	2	8	48		12	2		47
Matanzas.....			4		2			2
Oriente.....	6		108		2		6	12
Pinar del Río.....	1	4			2			7
Santa Clara.....		1	5		4			10
Total.....	9	13	181	1	23	2	6	85

INDIA.

Measures Against Plague Outbreaks—Rawalpindi.

According to information dated October 19, 1922, a medical commission was appointed during the current year to study the endemic conditions observed to exist at Rawalpindi, Punjab, northern India, and believed to be the focus of the annual outbreak of plague reported in northern India. The commission recommended the destruction of old grain and fruit markets, which had been proved not adapted to rat proofing. Rat poisoning and inoculation were stated not to have been effective in preventing plague in the infected areas, and spread of plague into the surrounding country had been observed to follow outbreaks of the disease in the city.

MEXICO.

Smallpox—State of Sonora.

During the month of November, 1922, smallpox was reported present in the State of Sonora, Mexico, occurring in the northern section of the State. Four cases, one of which terminated fatally, were reported at Empalme. Vaccination was enforced for all persons traveling on trains and for all residents of Empalme.

PANAMA.

Communicable Diseases—November, 1922.¹

Communicable diseases were notified for the Panama Canal during the month of November, 1922, as follows:

Disease.	Canal Zone.	Colon.	Panama.	Nonresident.	Total.
Chicken pox.....	6	6	1	3	16
Diphtheria.....	3	1	17	1	22
Dysentery.....	1	1	5	1	8
Hookworm disease.....	19	11	13	26	69
Malaria.....	70	8	15	31	124
Measles.....			1		1
Mumps.....			1	1	2
Pneumonia.....	1	2	8		11
Poliomyelitis.....	1				1
Scarlet fever.....	1				1
Tuberculosis.....	5	6	11	10	32
Typhoid fever.....		1		1	2

SPAIN.

Typhoid Fever Epidemic—Chiclana, Cadiz.

An epidemic outbreak of typhoid fever, with more than 100 reported cases, occurred at Chiclana, vicinity of Cadiz, Spain, during the last week in November, 1922. The outbreak was attributed to

¹ Correction: Report of communicable diseases, Panama Canal, month of September, 1922, Public Health Reports, Dec. 1, 1922, p. 3005, should have been stated as for the month of October, 1922.

polluted river and well water. It was stated that antityphoid vaccination would be made obligatory. The town is a summer residence suburb of the city of Cadiz; population about 10,900.

UNION OF SOUTH AFRICA.

Anthrax—Cape Province.

During the week ended October 5, 1922, outbreaks of anthrax were reported in the Cape Province, Union of South Africa, occurring in six districts and on seven farms.

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

Reports Received During Week Ended December 29, 1922.¹

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Nov. 5-11.....	10	7	
Rangoon.....	Oct. 22-28.....	1	1	

PLAGUE.

India.....				Sept. 17-30, 1922: Cases, 3,005; deaths, 2,087.
Bombay.....	Oct. 22-28.....	3	3	
Karachi.....	Nov. 5-11.....	1	1	
Madras Presidency.....	do.....	191	108	
Rangoon.....	Oct. 22-Nov. 4.....	23	22	
Siam:				
Bangkok.....	Oct. 8-14.....		1	
Syria:				
Beirut.....	Sept. 4-24.....	3		

SMALLPOX.

Arabia:				
Aden.....	Nov. 12-18.....	2		
Brazil:				
Rio de Janeiro.....	Nov. 5-18.....	8	5	
Sao Paulo.....	Sept. 25-Oct. 15.....	4	1	
Canada:				Oct. 1-31: Cases, 28; deaths, 1.
Ontario.....				
Toronto.....	Dec. 3-9.....	1		
China:				Present. Do.
Amoy.....	Oct. 29-Nov. 4.....			
Chungking.....	do.....			
Manchuria— Harbin.....	Oct. 30-Nov. 12.....	9		
Dominican Republic:				
San Pedro de Macoris.....	Nov. 12-18.....	21		
Santo Domingo.....	Nov. 19-25.....	1		
Egypt:				
Cairo.....	Aug. 22-Sept. 22.....		1	
France:				
Paris.....	Nov. 1-10.....	1		
Great Britain:				
London.....	Nov. 12-25.....	6	4	
Greece:				
Saloniki.....	Oct. 30-Nov. 5.....	4		
India:				
Calcutta.....	Nov. 5-11.....	2		
Madras.....	do.....	13	3	
Rangoon.....	Oct. 12-Nov. 4.....	42	2	

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

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

Reports Received During Week Ended December 29, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Mexico City.....	Nov. 5-11.....	6		Including municipalities in Federal District. Present in November, 1922. Month of November, 1922.
Sonora (State).....				
Empalme.....		4	1	
Portugal:				
Lisbon.....	Oct. 23-Nov. 19...	79	52	
Spain:				
Huelva.....	Oct. 1-31.....	3		
Valencia.....	Nov. 19-25.....	2		
Switzerland:				
Berne.....	Nov. 12-18.....	9		
Zurich.....	do.....	11		
Turkey:				
Constantinople.....	do.....	13	9	
Union of South Africa:				
Cape Province.....	Oct. 22-28.....			Outbreaks.

TYPHUS FEVER.

Chile:				
Talcahuano.....	Oct. 29-Nov. 4....	8		
China:				
Harbin.....	Oct. 29-Nov. 18...	3		
Egypt:				
Alexandria.....	Nov. 12-18.....	1	1	
Cairo.....	Aug. 22-Oct. 22...		3	
Mexico:				
Mexico City.....	Nov. 5-11.....	14		Including municipalities in Federal District.
Union of South Africa:				
Cape Province.....	Oct. 22-28.....			Outbreaks.
Orange Free State.....	do.....			Do.
Transvaal.....	do.....			Do.

Reports Received from July 1 to December 29, 1922.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	May 14-June 24...	1	4	Prevalent in Chinese city and in settlements along Yalu River. Oct. 9-15, 1922: Present in Chinese city.
Antung.....	Sept. 21-Oct. 1....			
Manchuria—				
Dairen.....	Sept. 18-24.....	3	2	Present. Stated to have been imported from Shanghai.
Newchwang.....	July 27.....			
Pootung.....	Aug. 3.....			Present.
Shanghai.....	June 25-July 31...	198		Aug. 1-Oct. 8, 1922 Cases, 6, foreign; deaths, 56, Chinese. July 29, 1922: Stated to be 250 cases in Chinese isolation hospital.
Tientsin.....	July 25-Aug. 19...	4	2	About 75 deaths reported for previous week.
Woosung.....	Aug. 3.....			
Greece:				
Athens.....	June 29.....	1	1	At quarantine station: Among passengers from vessel carrying Russian refugees.
Saloniki.....	June 7-17.....	30	11	

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

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

Reports Received from July 1 to December 29, 1922—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Feb. 26-June 24, 1922: Deaths, 33,979. June 2-Aug. 5, 1922: Deaths, 9,346. Aug. 6-Sept. 23, 1922: Cases, 11,989; deaths, 7,430. (Report for week ended Feb. 25, 1922, not received.)
Bombay.....	Apr. 23-June 17....	12	5	
Do.....	July 2-Oct. 21....	7	6	
Calcutta.....	Apr. 23-June 24....	536	378	
Do.....	June 25-Nov. 11....	127	103	
Madras.....	May 21-June 17....	3	1	
Do.....	July 16-Nov. 4....	3	4	
Rangoon.....	May 7-June 24....	116	65	
Do.....	June 25-Oct. 23....	100	65	
Indo-China:				Including area of 100 square km.
Saigon.....	June 25-Aug. 19....	30	28	
Japan:				Epidemic.
Tokyo.....	Oct. 4.....			Present.
Yokohama.....	Oct. 5.....			
Philippine Islands:				
Manila.....	May 21-June 24....	8		
Do.....	June 25-Sept. 2....	14	3	1 case, 1 death in nonresident, Aug. 27-Sept. 2, 1922.
Province—				
Bataan.....	June 4-10.....	1		
Batangas.....	May 26-June 24....	15	11	
Do.....	June 25-July 23....	7	4	
Bulacan.....	Apr. 30-May 6.....	1	1	
Cagayan.....	Aug. 13-19.....	2	2	
Camarines Sur.....	Mar. 25-Apr. 1....	1	1	
Laguna.....	Apr. 16-22.....	1		
Marinduque.....	June 25-July 15....	6	6	
Mindoro.....	Apr. 23-29.....	1		
Nueva Ecija.....	June 11-17.....	1	1	
Pampanga.....	Apr. 16-June 24....	6	5	
Do.....	June 25-July 8....	1	1	
Pangasinan.....	June 18-24.....	3	1	
Do.....	Aug. 27-Sept. 2....	2		
Rizal.....	Apr. 2-June 24....	3	1	
Tarlac.....	May 21-June 10....	4	4	
Union.....	Aug. 6-Sept. 9....	3	2	
Poland.....				July 9-Sept. 7, 1922: Cases, 101; deaths, 28.
Rovno.....	June 11-24.....	8	3	Repatriation station: Cases occurring among persons repatriated from Russia.
Do.....	June 25-Aug. 5....	33	10	
Volhynia.....	July 2-8.....	1	1	
Zamosc.....	Aug. 21.....		1	
Rumania:				
Bucharest.....	do.....	1		
Crangasi.....				To July 31, 1922: Cases, 11; deaths, 6. First case in soldier from frontier on Dniester River. Crangasi, a suburb of Bucharest.
Province—				Reported Aug. 11.
Bessarabia—				Prefecture. Cholera reported Aug. 11 among troops in garrison.
Cobusea.....	July 24.....	1		
Codaeshti.....		3		
Orhei.....				
Rascautzi.....		11	1	Reported July 29.
Siam:				
Bangkok.....	Apr. 30-June 17....	15	9	
Do.....	July 2-Oct. 7....	14	6	
Straits Settlements:				
Singapore.....	July 16-22.....	1	1	
Syria:				
Aleppo.....	May 27-June 3....			A few cases in interior.
Do.....	June 25-Sept. 2....			Present in interior.
On vessels:				
S. S. Chios.....	July 16.....	1		At Kavak Quarantine Station. Bosphorus, from Novorossiysk, a Russian Black Sea port. Case occurred in a recognized carrier. Vessel carried refugees for Saloniki, Greece. Six bodies buried at sea; 12 cases landed at Kavak during stay.
—.....	Sept. 18-24.....	2	1	At Dairen, Manchuria, China. Name and origin of vessel not stated.

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

Reports Received from July 1 to December 29, 1922—Continued.

PLAGUE

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Aug. 27.....	1		
Oran.....	Aug. 1-31.....	10	3	
Asia Minor:				
Smyrna.....	May 28-June 17.....	8	1	
Do.....	June 30-Aug. 26.....	8	1	District.
Australia:				
New South Wales— Sydney.....	June 1-15.....	2		Apr. 2-June 10, 1922: 19 plague-infected rats found.
Queensland— Brisbane.....	July 23-Nov. 4.....			3 plague rats.
Azores:				
Fayal Islands.....				Jan 16-Feb. 8, 1922: Cases, 6; deaths, 4.
Horta.....	Feb. 2-8.....	4	2	
Do.....	Nov. 9.....	1	1	
St. Michaels Island.....	Sept. 9-Oct. 14.....	202	26	Jan. 1-May 13, 1922: Cases, 93; deaths, 55. June 25-Nov. 11, 1922: Cases, 363; deaths, 64. In localities 3-9 miles from Ponta Delgada.
Fonsa Delgada.....	Oct. 1-Nov. 11.....	7	1	In vicinity, 180 cases.
Brazil:				
Bahia.....	June 11-17.....	1		May 7-June 4, 1922: Rodent; occurring in one section of the city. Many dead rats found.
Do.....	Aug. 20-Oct. 28.....	7	3	
Paranambuco.....	May 7-13.....	1		
Porto Alegre.....	July 30-Sept. 30.....	1	5	
British East Africa:				
Kenya Colony.....				Mar. 1-June 30, 1922: Cases, 371; deaths, 344. July 9-15, 1922: Deaths, 14.
Kisumu.....	Sept. 8-14.....	1	1	
Nairobi.....	Feb. 1-28.....	15	15	
Tanganika Territory.....	Sept. 17-30.....	2	1	
Uganda.....				July-August, 1922: Cases, 185; deaths, 186.
Cape Verde Islands:				
St. Vincent.....	Sept. 4.....			Present.
Ceylon:				
Colombo.....	May 6-June 24.....	13	10	Plague rats, 5.
Do.....	June 25-Oct. 28.....	39	35	Plague rats, 13.
China:				
Amoy.....	May 7-June 24.....		87	May 20, 1922: From 10 to 20 deaths reported daily. July 16-Aug. 12, 1922: Present; stated to be decreasing.
Do.....	June 25-July 15.....		76	
Canton.....	May 1-June 30.....	28	23	
Do.....	Sept. 1-30.....			Present.
Chungking.....	Sept. 24-30.....			Do.
Foochow.....	May 7-June 10.....	5	4	June 17-24, 1922: Present. June 21: Mildly epidemic; 2 fatal cases in foreign physicians.
Do.....	July 2-Aug. 12.....	3	1	Aug. 13-Sept. 30, 1922: Present.
Hongkong.....	June 4-24.....	176	104	Sept. 31-Oct. 7, 1922: Plague in rodents.
Do.....	June 25-Nov. 4.....	156	108	Present.
Nanking.....	Sept. 21-Oct. 7.....			Present.
Cuba:				
Havana.....	Nov. 11-20.....	1		
Ecuador:				
Guayaquil.....	June 1-15.....			Rats found infected, 16; examined, 3,400.
Do.....	July 1-Nov. 15.....	1	1	Rats examined, 30,175; found infected, 100.
Egypt:				
City—				Jan. 1-June 29, 1922: Cases, 280; deaths, 120. Jan. 1-Nov. 10, 1922: Cases, 473; deaths, 220.
Alexandria.....	June 1-23.....	21	6	
Do.....	July 2-Nov. 8.....	19	8	
Port Said.....	June 12-25.....	2	5	Septicemic, 1.
Do.....	July 2-Nov. 8.....	32	22	Foreign cases, 2; deaths, 2.
Suez.....	May 24-June 25.....	7	6	
Do.....	July 10-Nov. 15.....	10	5	Aug. 5, 1922: One case imported from Mauritius on S. S. Dumb-bea.
Province—				
Assiout.....	May 30-June 23.....	14	8	Septicemic, 1.
Do.....	July 11-Nov. 8.....	11	6	
Benisuef.....	May 26-June 30.....	19	7	
Do.....	July 2-Sept. 2.....	29	13	

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

Reports Received from July 1 to December 29, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt—Continued.				
Province—Continued.				
Fayoum.....	June 3-29.....	8	4	
Do.....	July 2-20.....	13	3	
Garbieh.....	May 26-June 30.....	37	13	
Do.....	July 2.....	3	1	
Menoufieh.....	July 20.....	1	1	
Minieh.....	June 2-29.....	24	7	
Do.....	July 14-Nov. 14.....	27	12	
Sinnuris (district).....	Sept. 3-9.....	1	1	
France:				
Paris.....	Aug. 11-18.....	4	1	
Greece:				
Patras.....	Apr. 24-June 25.....	5	3	
Piræus.....	Aug. 1-31.....	3	1	
Hawaii:				
Hamakua.....	June 33-July 4.....	1	1	At Kalopa Homesteads. Case, Hawaiian.
Do.....	July 8-Nov. 10.....	1	1	Hamakua Mill Co. One plague rat trapped; found positive, July 14, 1922. Oct. 9-Nov. 10, 1922: 3 plague rats. ^{1 rat} Japanese and Filipinos, bubonic and septicemic. Oct. 5, 1922: One case, one death. Reported positive Oct. 12. At Honokaa Mill, occurring in family of fatal case reported, Aug. 24, 1922. Aug. 12-Sept. 13, 1922: 3 plague rats found.
Honokaa.....	Aug. 19-Sept. 10.....	4	4	Japanese and Filipinos, bubonic and septicemic. Oct. 5, 1922: One case, one death. Reported positive Oct. 12. At Honokaa Mill, occurring in family of fatal case reported, Aug. 24, 1922. Aug. 12-Sept. 13, 1922: 3 plague rats found.
Honokaa Mill.....	Aug. 24.....	1	1	Japanese. Pneumonic.
Kalopa.....	July 13.....	1	1	Contact with case at Kalopa Homesteads, July 4.
Paauihau.....	June 30.....	1	1	One plague rat trapped at Paauihau Gulch, June 29; found positive June 30, 1922.
Paauiho.....	July 7.....	1	1	At Pohakea: Japanese. Sept. 25, 1922: One plague rat found at Hamakua Mill.
Pohakea.....	Aug. 1-16.....	2	2	Aug. 1, 1922, Japanese child; case reported positive for plague Aug. 6, 1922. Form, pneumonic. Aug. 16, 1 fatal case in Japanese.
Pohakuhaku.....	July 12.....	1	1	Hawaiian. Reported positive, July 19.
India.....				
Bombay.....	Apr. 23-June 24.....	168	123	Surrounding country, July 2-8, 1922: Cases, 21; deaths, 16.
Do.....	June 25-Nov. 4.....	99	76	
Calcutta.....	Apr. 23-June 24.....	56	54	
Do.....	June 25-Sept. 23.....	17	16	
Karachi.....	May 23-June 24.....	59	55	
Do.....	June 25-Nov. 11.....	8	7	
Madras Presidency.....	May 21-June 24.....	74	36	
Do.....	June 25-Nov. 11.....	2,855	1,881	
Rangoon.....	May 6-June 24.....	175	161	
Do.....	June 25-Nov. 4.....	500	449	
Indo-China:				
Saigon.....	Apr. 23-June 24.....	30	21	
Do.....	June 25-Aug. 19.....	30	7	Including area of 100 square kilometers.
Italy:				
Catania.....	June 17.....	1	1	
Naples.....	July 18-Sept. 28.....	19	19	Occurring in suburbs, viz, at Torre Annunziata, July 18-Sept. 28, 1922, 18 cases; San Giovanni a Teduccio, July 23, 1922, 1 case.
Japan:				
Osaka.....	July 11-20.....	7	6	Reported as having occurred during past month: Cases, 9; deaths, 8.

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

Reports Received from July 1 to December 29, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java.....				Month of April, 1922: Report of the 7 Provinces of Java: Cases, 413; deaths, 495. May 1-31, 1922: Cases, 233; deaths, 310; occurring in 6 Provinces. June 1-30, 1922: Cases, 222; deaths, 259; occurring in 5 Provinces. July 1-Aug. 31, 1922: Cases, 416; deaths, 447; occurring in 5 Provinces. Sept. 1-30, 1922: Cases, 199; deaths, 248. In 7 Provinces.
East Java—				
Soerabaya.....	May 7-June 24.....	3	3	
Do.....	Sept. 17-23.....	1	1	
Samarang.....	Sept. 1-30.....	49	61	
Soerakarta—				
Keporen.....	May 20.....			Epidemic.
Klaten.....	Sept. 26.....			Epidemic. Locality in district of Prambanan.
Madagascar.....				Nov. 4, 1922: Present.
Tananarive Province—				
Amboninampamarinana.....	Oct. 9-15.....	1	1	
Anketrina.....	May 4.....		1	Native village: Disease stated to have been present since about Apr. 27, 1922.
Fenoarivo.....	Oct. 16-22.....	4	3	
Tamatave.....	June 26-July 2.....	2	1	
Do.....	Aug. 21-Sept. 13.....			Present. Aug. 17, 1922: 1 case. Aug. 18, 1922: 1 death. Aug. 21-Sept. 17 1922: Deaths, 5. Sept. 11-17: Cases, 3.
Tananarive.....	May 29-June 18.....	2	1	
Do.....	July 10-Oct. 22.....	6	6	
Mauritius Island.....				Aug. 7-19, 1922: Cases, 2. Oct. 19, 1922: 65 fatal cases reported..
Mesopotamia:				
Bagdad.....	Apr. 1-June 30.....	268	188	
Do.....	July 1-Sept. 30.....	32		
Mexico:				
Tampico.....				Sept. 24-Nov. 25: 2 plague rats.
Vera Cruz.....				June 30, 1922: 1 plague rat.
Palestine:				
Jaffa.....	July 4-Nov. 13.....	55	2	In native quarter. (Entered in previous issues under Jerusalem.)
Para.....				May 1-15, 1922: Cases, 35; deaths, 19. June 1-30, 1922: Cases, 87; deaths, 15. July 1-Oct. 31, 1922: Cases, 182; deaths, 80. Jan.-June, 1922: Cases, 394; deaths, 173.
Localities—				
Ancon.....	Oct. 11-31.....	1	1	
Bambamarca (Hualgayoc).....	Sept. 1-30.....	2		
Callao.....	Sept. 1-Oct. 31.....	8	3	Jan.-June, 1922: Cases, 24; deaths, 10; country district, cases, 2 (corrected report).
Catacaos.....	Oct. 1-31.....	1		
Chancay.....	do.....	3		
Chiclayo.....	do.....	7		
Chosica Vieja.....	do.....	3		
Coaillo y Asia (Cafete).....	do.....	6		
Colan.....	do.....	1		
Guadaloupe.....	do.....	6	1	
Huacho.....	do.....	8	4	
Huaral.....	do.....	5	1	
Huarney.....	do.....	1		
Lima (city).....	do.....	8	7	
Lima (country).....	do.....	16	9	Jan. 1-June 30, 1922: Cases, 30; deaths, 16; country district, cases, 28; deaths, 16 (corrected report).
Paita.....	do.....	1		
Santa.....	do.....	4	2	
St. Luis (Cafete).....	do.....	1		
Trujillo.....	do.....	5	1	
Philippine Islands:				
Manila.....	June 3.....	1	1	From S. S. Tatsang from Amoy, China.
Do.....	Aug. 20-26.....	2		
Portugal:				
Lisbon.....	July 23-Nov. 10.....	6	6	Aug. 1-Oct. 23, 1922: Deaths, 10.

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

Reports Received from July 1 to December 29, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 25-28.....			Present.
Guinea.....				Reported present Aug. 24, 1922.
Senegal:				
Dakar.....	June 1-30.....	1	1	
Do.....	July 1-Oct. 31.....	8	8	
Siam:				
Bangkok.....	Apr. 30-June 3.....	4	3	
Do.....	July 2-Oct. 14.....	14	12	
Spain:				
Barcelona.....	Sept. 24-Nov. 14.....	23	9	Stated to be confined to factory in which disease first appeared
Cartagena.....	Oct. 18.....	2		Oct. 18, 1922; 18 cases present.
Valencia.....	do.....	2		
Straits Settlements:				
Singapore.....	Apr. 30-June 24.....	8	9	
Do.....	July 9-Aug. 26.....	3	3	
Syria:				
Aleppo.....	Sept. 9-16.....		1	
Alexandretta.....				Oct. 8-14, 1922: 1 plague rat.
Beirut.....	July 30-Sept. 24.....	10	1	
Tunis:				
Tunis.....	June 30-Sept. 9.....	4	1	
Turkey:				
Constantinople.....	Aug. 20-Oct. 28.....	14	8	
Union of South Africa:				
Orange Free State—				
Grootkom Farm.....	May 7-13.....			One dead plague-infected rodent found. Locally adjoins Tricart's Berg Farm; on which plague-infected mouse was found preceding week.
Rendezvous Ry. Station.....	May 14-20.....			Plague-infected wild rodent found near.
On vessels:				
S. S. Ardeola.....	June 25-July 8.....			At Liverpool. Four plague-infected rats found dead. Vessel from Las Palmas, Canary Islands, June 26, 1922.
S. S. Barcelona.....	Nov. 11.....	1		At Habana, Cuba, from Barcelona, Spain, via Canary Islands. Patient from Canary Islands.
S. S. Dumbea.....	Aug. 5.....	1		At Suez, Egypt, from Island of Mauritius. Patient ill two days before arrival. Declared positive Aug. 6.
Greek vessel.....	July 19.....			At Messina, Italy. Cases on board. Vessel not allowed to enter.
S. S. Legie.....	July 29.....			At Hamburg, Germany. Plague rats found. Vessel from Buenos Aires, Argentina.
S. S. Southgate.....	May 30.....	1		At Thursday Island quarantine, Australia. Vessel left Calcutta May 2; Rangoon, May 9. Vessel badly rat-infested.
S. S. Taisang.....	June 1-3.....	1	1	At Manila, P. I., from Amoy, China. Patient landed at Manila June 1, 1922. The Taisang was 2½ days en route direct from Amoy.

SMALLPOX.

Algeria:				
Algiers.....	Nov. 1-10.....	1		
Arabia:				
Aden.....	May 7-June 24.....	60	21	
Do.....	July 2-Nov. 18.....	60	27	
Argentina:				
Rosario.....	June 1-30.....		3	
Asia Minor:				
Smyrna.....	May 14-June 24.....	4		In district.
Do.....	June 25-Aug. 26.....	13		Do.

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

Reports Received from July 1 to December 29, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Austria:				
Vienna.....	Oct. 22-28.....	3		
Bermuda:				
Hamilton.....	Sept. 3-30.....	3		
Bolivia:				
La Paz.....	Mar. 1-Apr. 30.....	97	16	
Brazil:				
Bahia.....	June 25-Oct. 28.....	3	1	
Para.....	May 20-June 25.....	8		
Do.....	July 3-Sept. 17.....	141	2	Aug. 22-28, 1922: Cases, 16.
Pernambuco.....	Sept. 24-Oct. 14.....	5		
Rio de Janeiro.....	May 14-June 24.....	48	12	
Do.....	June 25-Nov. 18.....	196	49	
San Paulo.....	Apr. 10-June 11.....	3	10	
Do.....	Sept. 25-Oct. 15.....	4	1	
British East Africa:				
Kenya Colony.....				Apr. 1-June 30, 1922: Cases, 15.
Dar-es-Salaam.....	Apr. 16-June 10.....	26		July 9-15, 1922: Deaths, 5.
Do.....	July 16-Aug. 12.....	18	2	
Nairobi.....	Mar. 1-31.....	22	2	
Tanganyika Territory.....	Aug. 20-Oct. 7.....	63	16	
Zanzibar.....	May 1-June 10.....	36	6	
Do.....	June 24-July 1.....	2		
Canada:				
Alberta—				
Calgary.....	June 18-24.....	1		
Manitoba—				
Winnipeg.....	May 6-June 17.....	3		
Do.....	Sept. 3-Dec. 2.....	46		
New Brunswick—				
Kent County.....	June 25-July 1.....	2		
Madawaska County.....	June 4-17.....	6		
Do.....	Sept. 10-Nov. 11.....	4	1	
Ontario.....				Sept. 1-Oct. 31, 1922: Cases, 40; deaths, 2.
Fort William and Port Arthur.....	Aug. 6-Sept. 23.....	3		
Hamilton.....	July 30-Dec. 2.....	4		
London.....	Aug. 26-Sept. 2.....	1		
Niagara Falls.....	Nov. 2-Dec. 2.....	6		
North Bay.....	June 3-17.....	2		
Do.....	July 16-Aug. 12.....	3		
Ottawa.....	June 11-July 1.....	17		
Do.....	July 2-Nov. 18.....	21		
Toronto.....	June 18-Dec. 2.....	14		
Saskatchewan—				
Regina.....	Sept. 17-23.....	1		Imported.
Saskatoon.....	Aug. 20-26.....	1		
Ceylon:				
Colombo.....	May 14-20.....	1		
Do.....	July 16-Oct. 14.....	19	1	
Chile.....				Prevalent July 3, 1922, throughout southern Provinces.
Concepcion.....	Mar. 14-June 20.....		71	
Do.....	June 27-Sept. 4.....		30	
Quillon.....				In Concepcion Province: Epidemic in May, 1922, with 69 reported cases. To June 5 epidemic.
Do.....	June 27-July 3.....			Epidemic.
San Patricio.....	May 16-22.....	13		
Talcahuano.....	May 22-June 24.....	33	19	May 16-22, 1922: Present.
Do.....	June 25-July 30.....	5	7	
Temuco.....				Province of Cautin; epidemic in May, 1922.
Valparaiso.....	Mar. 26-June 19.....		115	Incomplete; several districts not reporting.
Do.....	June 25-July 30.....		46	
China:				
Amoy.....	May 7-20.....			Present, June 18-24, 1922: 1 death. Sept. 24-30, 1922: 1 death.
Do.....	July 16-Nov. 4.....			Present. Oct. 15-21, 1922: 1 death.
Antung.....	May 29-June 18.....	4		
Do.....	July 3-16.....	5		
Chungking.....	May 28-June 24.....			Present.
Do.....	June 25-Nov. 4.....			Do.
Fochow.....	May 14-20.....	1		Aug. 12-19, 1922: Present.
Do.....	Aug. 27-Oct. 28.....			Present.
Hankow.....	June 25-July 1.....	1		

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

Reports Received from July 1 to December 29, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Honkong.....	May 14-June 24...	41	32	
Do.....	July 16-Sept. 16...	5	2	Aug. 13-16, 1922: Present.
Manchuria—				
Dairen.....	May 15-June 18.....	4	1	
Do.....	June 26-Sept. 17...	7	1	
Harbin.....	May 22-28.....	1		
Do.....	July 30-Nov. 12.....	10		
Mukden.....	June 18-21.....			Present.
Do.....	July 16-Sept. 29.....			Do.
Nanking.....	May 7-June 24.....			Do.
Do.....	June 25-Nov. 4.....			Do.
Shanghai.....	May 22-Nov. 12.....	2		Native.
Tientsin.....	May 14-20.....			Present.
Tsingtau.....	May 9-June 18.....	4	3	Including leased territory of Kiaochow, Japanese population along Shantung Railway, and Japanese residents, Tsinan.
Do.....	June 26-Oct. 29.....	9	5	Do.
Chosen (Korea):				
Chemulpo.....	May 1-31.....	1		
Fusan.....	May 1-June 30.....	147	60	
Do.....	July 1-31.....	13	9	
Seoul.....	May 1-June 30.....	26	5	
Do.....	July 1-31.....	23	8	
Cuba.....				
City.....				
Antilla.....	June 18-24.....	1		Reported for Preston.
Do.....	Sept. 17-21.....	2		
Cienfuegos.....	June 24-July 1.....	1		
Habana.....	July 1-Aug. 31.....	10		
Sagua la Grande.....	Oct. 15-21.....	1		In vicinity, at Rancho Veloz.
Santiago.....	June 1-30.....	3		
Do.....	Sept. 1-Nov. 30.....	2		
Province—				
Habana.....	Aug. 20-31.....	1		
Matanzas.....	do.....	1		
Oriente.....	do.....	3		
Santa Clara.....	do.....	4		
Domenica.....	Aug. 5-Sept. 9.....			Present. Aug. 23: Epidemic. Island in Leeward Islands.
Dominican Republic:				
Puerto Plata.....	Sept. 12-Oct. 14.....	8		
San Pedro de Macoris.....	May 21-June 24.....	167	2	City and Country. (Corrected report.)
Do.....	June 25-Nov. 18.....	447	2	City and district. (Corrected report.)
Santo Domingo.....	June 4-21.....	3	9	Including vicinity.
Do.....	June 25-Nov. 25.....	8	7	July 30-Aug. 5, 1922: A few cases, city and vicinity.
Ecuador:				
Guayaquil.....	July 16-Nov. 15.....	19		
Milagro.....	Sept. 1-15.....	1		
Nobol.....	do.....	1		
Egypt:				
Alexandria.....	July 23-Aug. 12.....	2	2	
Cairo.....	Apr. 30-June 21.....	13	5	
Do.....	July 23-Sept. 22.....	7	3	
Port Said.....	May 7-June 21.....	3	1	
Do.....	July 23-29.....	1		
Finland.....	June 1-30.....	2		
Do.....	July 1-15.....	1		
Fiume.....	June 13-19.....	1		
Do.....	July 10-16.....	1		
France:				
Paris.....	June 1-10.....	1	1	
Do.....	Oct. 22-Nov. 10.....	2		
Germany:				
Dresden.....	Nov. 12-18.....		2	
Great Britain:				
Halifax.....				Outbreak reported under date of June 17, 1922.
Huddersfield.....				Do.
Hull.....	Nov. 12-18.....	1		
Liverpool.....	Aug. 13-19.....	1		In port hospital.
London.....	July 30-Nov. 25.....	59	19	Oct. 22-28, 1922: Outbreak. To Nov. 3, 1922: Cases, 23; deaths, 2.
Sheffield.....	May 28-June 17.....	5		
Southampton.....	June 18-24.....	2		

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

Reports Received from July 1 to December 29, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Greece:				
Saloniki.....	May 1-June 25.....	3	1	
Do.....	July 17-Nov. 5.....		5	
Syra Island.....	May 26.....	12	5	
Haiti:				
Cape Haitien.....	June 11-17.....	1		
Plaine du Nord.....	do.....			Vicinity of Cape Haitien. Present.
India:				
Bombay.....	Apr. 23-June 24.....	28	17	Feb. 26-Mar. 25, 1922: Deaths, 1,162 (date of report corrected).
Do.....	July 2-Oct. 21.....	16	8	Mar. 24-May 20, 1922: Deaths, 6,015. June 4-24: Cases, 2,812; deaths, 919. June 25-Sept. 30, 1922: Cases, 10,669; deaths, 2,733.
Calcutta.....	Apr. 23-June 24.....	84	67	
Do.....	June 25-Nov. 11.....	39	28	
Karachi.....	May 23-June 24.....	35	9	
Do.....	July 16-Nov. 4.....	19	5	
Madras.....	May 14-June 24.....	207	94	June 19-25, 1922: Cases, 98; deaths, 15.
Do.....	July 2-Nov. 11.....	570	258	
Rangoon.....	May 7-June 24.....	37	16	
Do.....	July 2-Nov. 14.....	116	37	
Indo-China:				
Saigon.....	June 30-Aug. 19.....	36	26	Including area of 100 square km.
Italy:				
Trieste.....	Sept. 1-Nov. 11.....	13	4	
Japan:				
Kobe.....	June 19-25.....	2		
Taiwan Island.....	June 11-30.....	26	3	
Do.....	July 22-Aug. 10.....	27	4	
Yokohama.....	May 28-June 25.....	4	2	
Do.....	June 26-July 20.....	48	8	
Java:				
East Java—				
Soerabaya.....	Aug. 13-Oct. 14.....	5		
West Java—				
Batavia.....	Apr. 28-June 30.....	20	3	City and Province.
Do.....	July 9-Nov. 3.....	72	9	Province.
Luxemburg.....	June 15-30.....	1	1	
Malta.....	May 1-June 15.....	4		June 1-30, 1922: Cases, 2.
Mesopotamia:				
Bagdad.....	Apr. 1-June 30.....	36	40	
Do.....	July 1-Sept. 30.....	104	30	
Mexico:				
Chihuahua.....	June 22-Dec. 2.....		7	
Guadalajara.....	May 1-June 30.....	13		
Do.....	July 1-Oct. 31.....	9	2	
Manzanillo.....	June 6-25.....		4	Estimated cases, 4 to 10.
Do.....	June 27-July 3.....		6	Estimated.
Mexico City.....	May 21-June 24.....	129		Including municipalities in Federal District. Report June 11-17, 1922, not received.
Do.....	June 25-Nov. 11.....	237		Including municipalities in Federal District.
Nogales.....	July 22-Dec. 2.....	6	6	State of Sonora.
Sonora (State)				Present in November, 1922.
Empalme.....		4	1	November, 1922.
San Luis Potosi.....	July 23-Nov. 11.....		13	
Torreon.....	July 1-31.....		1	
Panama Canal.....				July 1-31, 1922: Cases, 4, of which 1 nonresident and not locally reported. July 18-Sept. 28, 1922: Cases, 3; of these, nonresident, 2.
Colon.....	July 1-Oct. 15.....	3		
Panama.....	July 1-Aug. 15.....	2		
Persia:				
Teheran.....	Apr. 23-May 22.....	2		
Peru:				
Callao.....	Jan.-June.....	2		May 1-15, 1922: Cases, 5; deaths, 4. June 1-30, 1922: Cases, 16; death, 7. Aug. 1-31, 1922: Cases, 23; deaths, 5.
Do.....	July 1-Sept. 30.....	26	7	Country, 1 case.
Lima.....	Jan.-June.....	65	21	Country, cases, 8; deaths, 2.
Do.....	July 1-Sept. 30.....	17	7	Country, cases, 25; deaths, 7. (Corrected report.)
Poland:				
Do.....				Mar. 26-June 24, 1922: Cases, 1,210; deaths, 241.
				June 25-Sept. 7, 1922: Cases, 253; deaths, 54. Sept. 8-30, 1922: Cases, 53; death, 8.

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

Reports Received from July 1 to December 29, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.	
Portugal:					
Lisbon.....	May 29-June 25.....	6	8	Corrected report. Do.	
Do.....	June 25-Nov. 19.....	486	142		
Oporto.....	Aug. 27-Oct. 7.....	4			
Portuguese East Africa:					
Lourenco Marques.....	July 23-29.....	1			
Portuguese West Africa:					
Angola—					
Loanda.....	June 25-Oct. 3.....		16		
Russia:					
Esthonia.....	May 1-June 30.....	6			
Do.....	July 1-Sept. 30.....	2			
Lettonia.....	May 1-June 30.....	51			
Do.....	July 1-Sept. 30.....	24			
Senegal:					
Dakar.....	June 1-30.....	4	4		
Spain:					
Barcelona.....	June 22-28.....		1		
Do.....	June 29-Sept. 13.....		3		
Bilbao.....	Aug. 1-Sept. 30.....		5		
Cadix.....	Aug. 1-30.....		1		
Corunna.....	June 11-17.....		1		
Do.....	Oct. 15-Nov. 11.....		3		
Huelva.....	Apr. 1-June 30.....		4		
Do.....	July 1-Oct. 31.....		5		
Seville.....	June 11-17.....		36	Week ended June 11, 1922; Many cases.	
Do.....	June 18-Nov. 19.....		227		
Valencia.....	May 21-27.....	1			
Do.....	Nov. 5-18.....	4			
Straits Settlements:					
Singapore.....	Apr. 30-June 5.....	11	2		
Do.....	July 30-Aug. 19.....	3	1		
Switzerland:					
Basel.....	May 28-June 3.....	1			
Do.....	Sept. 17-23.....	1			
Berne.....	May 14-20.....	1			
Do.....	July 9-Nov. 18.....	43			
Lucerne.....	July 1-31.....	1			
Zurich Canton.....				Aug. 1-31, 1922: Cases, 74.	
Zurich.....	Apr. 23-June 12.....	9			
Do.....	June 25-Nov. 18.....	106			
Syria:					
Aleppo.....	June 4-24.....			Present.	
Damascus.....	June 18-24.....		2		
Do.....	June 25-Oct. 14.....	26	3		
Tunis:					
Tunis.....	July 17-23.....	1			
Turkey:					
Constantinople.....	May 21-June 24.....	21	6		
Do.....	June 25-Nov. 18.....	80	28		
Union of South Africa:					
Cape Province.....				Apr. 1-June 30, 1922: Cases, 173; deaths, 12 (colored); white, cases, 36. July 1-Aug. 31, 1922: Colored, cases, 232; deaths, 3; white, 9 cases.	
Do.....					Apr. 1-June 30, 1922: Cases, 87; deaths, 3 (colored); white, 6 cases. July 1-Aug. 31, 1922: Cases, 89; deaths, 2 (colored). Outbreaks.
Natal.....	Aug. 2-Oct. 21.....				
Orange Free State.....				Apr. 1-May 31, 1922: Cases, 20; deaths, 8 (colored); white, 20 cases. July 1-31, 1922: Cases, 5 (colored). May 1-31, 1922: Cases 12; deaths, 1 (colored). July 1-Aug. 31, 1922: 5 cases (colored). Outbreaks.	
Do.....	Sept. 3-9.....				
Southern Rhodesia.....	May 11-June 28.....	67	4		
Do.....	June 29-Aug. 23.....	35		In native cases, 3 cases.	
Transvaal.....					
Do.....	July 9-Oct. 21.....			Apr. 1-June 30, 1922: Cases, 54 (colored); white, 10 cases. July 1-Aug. 31, 1922: Colored, cases, 133; deaths, 1; white, 9 cases. Outbreaks.	
Johannesburg.....	May 1-31.....	1			

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

Reports Received from July 1 to December 29, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Virgin Islands: St. Thomas.....	June 5-18.....	1	1	At quarantine. From vessel from Dominican Republic. Sept. 4-24, 1921: Cases, 11; deaths, 4.
Yugoslavia.....				
Croatia-Slavonia— Zagreb.....	June 4-10.....	1		
Do.....	Aug. 6-12.....	1		
Serbia.....				Oct. 23-29, 1921: Cases, 5.
Belgrade.....	June 11-17.....	1		
Do.....	Aug. 14-Nov. 5.....	37	14	
On vessels:				
S. S. Changsha.....	May 11.....	1		At Hongkong, China. Case landed from vessel; patient, intending passenger. Vessel proceeded to Australian ports.
S. S. Clan MacWilliams.....	Aug. 13.....	1		En route from Durban and Delagoa Bay, Union of South Africa, for Newcastle, Australia, via Mauritius. Arrived Newcastle Aug. 25, 1922; proceeded to Sydney in quarantine. Patient, colored fireman.
S. S. Comeric.....	do.....	1		At sea, en route to Durban, S. A.; from Sydney, Australia. (Public Health Reports, June 23, 1922, p. 1555.)
Sch. Fancy Me.....	May 23.....			At St. Thomas, Virgin Islands. From San Pedro de Macoris, Dominican Republic. 1 case removed to quarantine June 5; died June 18.
S. S. Montoro.....	July 8.....	1		At Darwin, Australia. Vessel left Singapore June 25 for Darwin via Java ports. Case, Chinese, developed July 4. Case landed at quarantine; vessel proceeded in quarantine to Sydney via northern ports.
S. S. Shelley.....	Apr. 19.....	1		At sea, en route from Hongkong. Vessel left Hongkong Apr. 17. Arrived Thursday Island quarantine, Australia, Apr. 28, 1922. Case, member of crew; type, confluent hemorrhagic.
S. S. St. Albans.....	May 18.....	1		At Thursday Island quarantine, Australia. Case in person of Chinese steerage passenger. Vessel left Shimonsaki, Japan, for Melbourne via Hongkong and Manila. Left Thursday Island for Australian ports.

TYPHUS FEVER.

Algeria:				
Algiers.....	May 1-31.....	16	4	
Do.....	Aug. 1-Oct. 31.....	6	4	
Oran.....	June 1-30.....	3	1	
Do.....	July 1-Oct. 10.....	1	4	
Asia Minor:				
Smyrna.....	May 14-June 24.....	8		City and district. (Corrected report.)
Do.....	June 25-Aug. 19.....	11		District.
Australia:				
Brisbane.....	July 9-Aug. 12.....	2		
Austria:				
Vienna.....	May 7-June 10.....	3	1	
Do.....	July 2-Aug. 19.....	3	1	
Bolivia:				
La Paz.....	Mar. 1-Apr. 30.....	15	8	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received from July 1 to December 29, 1922—Continued.
TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Bulgaria:				
Sofia.....	May 28-June 17.....	4		
Do.....	Sept. 24-30.....	1	1	
Chile:				
Antofagasta.....	Nov. 5-11.....	1	1	
Concepcion.....	Apr. 11-May 29.....	10	10	
Do.....	June 27-Oct. 16.....		13	
Talcahuano.....	Oct. 8-Nov. 4.....	15	1	
Valparaiso.....	Apr. 2-22.....		6	
Do.....	July 18-Sept. 30.....		26	
China:				
Antung.....	May 15-21.....	1		
Do.....	July 10-Nov. 12.....	26		
Foochow.....	May 14-20.....	1		
Do.....	Aug. 6-12.....	4		
Hankow.....	July 9-15.....	1	1	
Manchuria—				
Harbin.....	May 8-June 11.....	4		
Do.....	June 26-Nov. 12.....	12		
Tsingtau.....	Sept. 11-18.....		1	
Czechoslovakia:				
Prague.....	June 11-17.....	1		
Do.....	July 1-Aug. 26.....	2	1	
Danzig (free city).....	June 4-10.....	1		
Egypt:				
Alexandria.....	June 4-24.....	9	6	
Do.....	June 25-Nov. 18.....	35	17	July 22-29, 1922: 1 imported paratyphoid.
Cairo.....	Mar. 19-June 24.....	19	62	Relapsing fever, Mar. 26-Apr. 8, 1922; 1 case.
Do.....	June 25-Oct. 22.....	53	42	
Port Said.....	May 28-June 3.....	1		
Do.....	July 2-Sept. 2.....	11	29	May 1-6, 1922: 5 cases typhus fever at quarantine station of Osternothafen, in persons returning from Russia.
Germany:				
Berlin.....	Apr. 30-June 24.....		7	
Do.....	June 25-Oct. 21.....		19	
Coblenz.....	July 2-Nov. 18.....	26	3	
Königsberg.....	May 28-June 3.....	1		
Do.....	Sept. 3-9.....	1		
Stuttgart.....	July 22-Aug. 28.....	2	1	
Great Britain:				
Glasgow.....	Sept. 17-23.....	1	1	
Greece:				
Athens.....	Oct. 25-Nov. 3.....	2	2	
Piræus.....	Aug. 1-31.....	1		
Saloniki.....	May 1-June 18.....	25	1	2 in Russian refugees.
Indo-China:				
Saigon.....	Aug. 6-10.....	1		
Java:				
East Java—				
Soerabaya.....	July 23-Aug. 5.....	4	2	
Mesopotamia:				
Bagdad.....	Apr. 1-June 30.....	7	2	
Do.....	Aug. 1-Sept. 30.....	6		
Mexico:				
Mexico City.....	Apr. 23-June 24.....	111		Including municipalities in Federal District.
Do.....	June 25-Nov. 11.....	317		Do.
San Luis Potosi.....	Sept. 10-Oct. 7.....			Present. Oct. 1-7, 1922; Deaths, 2.
Netherlands:				
Amsterdam.....	July 30-Aug. 5.....	1		
Norway:				
Christiania.....	Aug. 15.....	1	1	
Province—				
Finmarken.....	July 26-Aug. 5.....	12	2	Occurring in 3 localities.
Palestine: ¹				
Jaffa.....	June 27-Nov. 6.....	5		Relapsing fever, 1 case.
Persia:				
Teheran.....	Mar. 22-June 22.....		8	

¹ In previous reports given as for Jerusalem.

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

Reports Received from July 1 to December 29, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Poland.....				Mar. 26-Apr. 22, 1922: Cases, 5,695; deaths, 349. Apr. 23-June 24, 1922: Cases, 9,402; deaths, 631. Recurrent typhus, Mar. 26-Apr. 22, 1922: Cases, 4,515; deaths, 155. Apr. 23-May 6, 1922: Cases, 1,508; deaths, 34. (Corrected report.) May 7-June 24, 1922: Cases, 4,790; deaths, 111. June 25-Sept. 30, 1922: Cases, 3,060; deaths, 215. Recurrent typhus, June 25-Sept. 30, 1922: Cases, 4,617; deaths, 139.
Warsaw.....	Apr. 23-June 24.....	156		Among transient and permanent residents.
Portugal:				
Oporto.....	May 4-June 24.....	9	4	
Do.....	June 29-Sept. 30.....	3	1	
Seixal.....	Aug. 4.....	1		Village opposite Lisbon.
Rumania.....				Apr. 1-May 31, 1922: Cases, 62.
City—				
Bucharest.....	May 1-June 20.....	17		
Cerenauti.....	May 1-31.....	5		
Do.....	Oct. 22-28.....	7		
Chisinau.....	Apr. 1-June 20.....	36		
Cluj.....	May 1-June 20.....	22		
Constansa.....	do.....	3		
Galatz.....	May 1-June 30.....	2		
Jassy.....	June 1-30.....	1		
Sulina.....	May 1-31.....	2		
District—				
Chisinau.....	July 1-31.....	4		Apr. 1-30, 1922: Cases, 14; recurrent typhus, cases, 7.
Do.....	Sept. 1-30.....	5		Recurrent typhus: Cases, 9.
Province—				
Bucovina.....	Jan. 1-31.....	35	13	
Transylvania.....	do.....	16	3	
Russia:				
Esthonia.....	Apr. 1-June 30.....	44		Sept. 1-30, 1922: Recurrent typhus, cases, 6; paratyphus, 11.
Do.....	July 1-Sept. 30.....	16		Recurrent typhus: Cases, 46.
Lettonia.....	Apr. 1-June 30.....	625		Recurrent typhus: Cases, 25; paratyphus cases, 3.
Do.....	July 1-Sept. 30.....	93		
Siberia:				
Vladivostok.....	July 1-31.....	3		
Spain:				
Barcelona.....	July 13-Nov. 22.....		3	
Madrid.....	May 1-June 30.....		16	
Do.....	July 1-Aug. 31.....		7	
Seville.....	May 21-June 3.....		1	
Switzerland:				
Lucerne.....	Aug. 1-31.....	2		
Syria:				
Aleppo.....	Oct. 15-21.....	1	1	Aug. 27-Nov. 11, 1922: Present and in interior.
Damascus.....	Oct. 1-7.....	1		
Tunis:				
Tunis.....	June 4-10.....	2		
Turkey:				
Constantinople.....	May 21-June 24.....	16		
Do.....	July 9-Oct. 21.....	41	4	
Union of South Africa.....				Apr. 1-June 30, 1922: Cases, 1,220; deaths, 214 (colored); white, 17 cases. July 1-Aug. 31, 1922: Cases, 1,108; deaths, 179 (colored); white, 4 cases.
Cape Province.....				Apr. 1-June 30, 1922: Cases, 1,037; deaths, 194 (colored); white, 16 cases, July 1-Aug. 31, 1922: Cases, 1,041; deaths, 165 (colored); white, 4 cases.
Do.....	Aug. 20-Oct. 28.....			Outbreaks.
Diamond fields.....				Sept. 28, 1922: Outbreaks at native locations near Kimberley.
Delport.....	Sept. 28.....			Outbreak.
Gong-Gong.....	do.....		20	
Winter's Rush.....	do.....		12	Including Longlands.
East London.....	do.....	1		

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

Reports Received from July 1 to December 29, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Contd.				
Natal.....				Apr. 1-June 30, 1922: Cases, 57; deaths, 7 (colored). July 1-Aug. 31, 1922: Cases, 25; deaths, 4 (colored).
Do.....	Sept. 1-Oct. 28.....			Outbreaks.
Orange Free State.....				Apr. 1-June 30, 1922: Cases, 97; deaths, 10 (colored); white, 1 case. July 1-Aug. 31, 1922: Cases, 36; deaths, 10 (colored).
Do.....	Aug. 27-Oct. 21.....			Outbreaks.
Transvaal.....				Apr. 1-June 30, 1922: Cases, 29; deaths, 2 (colored). July 1-Aug. 31, 1922: Cases, 6 (colored).
Do.....	Aug. 27-Oct. 28.....			Outbreaks.
Johannesburg.....	May 1-June 30.....	7	1	
Do.....	July 1-31.....	1		
Yugoslavia.....				Aug. 7-13, 1921: 2 new cases. (1921).
Bosnia-Herzegovina.....	Aug. 7-13.....	1		Do.
Croatia-Slavonia.....	Sept. 4-10.....	1		
Serbia—				
Belgrade.....	May 6-June 3.....	2		Do.
Voivodina.....	Aug. 7-13.....	1		
On vessels:				
S. S. Chios.....	July 18.....	1		At Kavak quarantine station: Bosphorus, from Novorossysk, a Russian Black Sea port. Vessels carried refugees for Saloniki, Greece.
S. S. Smolensk.....	June 14.....	1	1	From Danzig, May 30, 1922. At embarkation detention camp, Southampton, England. (Public Health Reports, June 30, 1922, p. 1610.)

YELLOW FEVER.

Brazil:				
Bahia.....	July 30-Aug. 26....	3	2	
Mexico:				
Ciudad Victoria.....	Sept. 27-Dec. 2....	2	1	Origin of 1 fatal case, Tampico.
Monterey.....	Nov. 25.....		1	In person arrived ill from Ciudad Victoria.
Tampico.....	July 27-29.....	1	1	From Panuco. Patient brought to Tampico on eighth day of illness.
Do.....	Aug. 30.....		6	Of these, 5 with origin at Panuco, State of Vera Cruz: 1 with origin at Tampico. Nov. 5, 1922: 1 case.
Tuxpam.....	Oct. 14-Dec. 1....	3		
On vessel:				
S. S. H. H. Rogers.....	Nov. 28.....	1		Probable case. At Tampico, Mexico.
Schr. William E. Burnham.....	Sept. 13.....		1	At sea between Paramaribo and Mobile Quarantine, Ala., where the vessel arrived Sept. 14, 1922. The vessel left Freetown, Sierra Leone, June 25 and touched at Mungo and Paramaribo.