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DISABLING SICKNESS AMONG EMPLOYEES OF A RUBBER MANUFACTURING ESTABLISHMENT IN 1918, 1919, AND 1920.¹

Some Morbidity Statistics from the Department of Health of the B. F. Goodrich Co., Akron, Ohio.

Cases of sickness and nonindustrial injuries causing absence from work for one full day or longer up to one year among employees on the factory pay roll were recorded and classified by the department of health of the B. F. Goodrich Co. during the three-year period ending October 31, 1920. From the tabulation of these data made by the Equitable Life Assurance Society of the United States, the accompanying tables were prepared and are presented herewith through the courtesy of the Goodrich Co.

For this specific period of time, unfortunately, no comparable industrial morbidity statistics are available, but knowledge of the amount and causes of disability even in one group of industrial employees, especially when that group is a large one, is of interest from a number of different points of view, not the least important of which is consideration of the data from the point of view of the period itself. The three years ending October 31, 1920, represent a period of unusual conditions from the industrial morbidity standpoint for the following reasons:

(1) During the war and for some time after the armistice the most physically fit American males were in military service.

(2) The shortage of labor, which was acute throughout practically all of the period, appears to have resulted in an increase in absenteeism for personal reasons, with sickness as the excuse, as suggested by the following figures showing the number of cases of illness lasting one day:

Number of cases per 1,000 employees lasting only one day.

Year ending Oct. 31—

1918.....	276.5
1919.....	410.0
1920.....	605.0

(3) A major epidemic (influenza) occurred in each of the three years ending with October 31. In addition to the epidemic, the numerous and serious sequelæ resulting from the primary cases of influenza should be mentioned. Unusual weather conditions in the early part of 1920 aggravated a health situation that was already unsatisfactory.

¹ From the Statistical Office, U. S. Public Health Service.

The statistics therefore probably do not represent the sickness expectancy of the present time or of the immediate future. Having passed through an extraordinary period, we can expect a return to something like normal health among the employees of industry.

THE MORTALITY PICTURE.

Under the conditions referred to above, what were the chief causes of death among the company's factory employees? The mortality record for the insured workers goes back to November, 1915, when

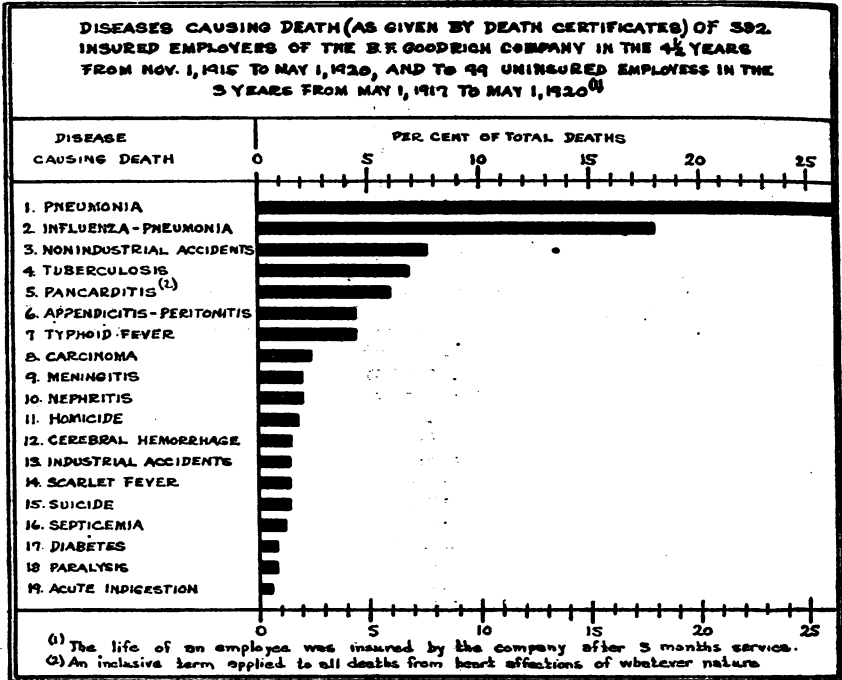


FIG. 1.

health conditions were more normal; but even so, nearly half of all the mortality for more than four years was caused by pneumonia or by influenza-pneumonia. When nonindustrial accidents, tuberculosis, and pancarditis² are added to the toll of pneumonia and influenza pneumonia, we have accounted for 65 per cent of total deaths among a group composed of all the insured employees in the four and one-half years from November 1, 1915, to May 1, 1920, and all the uninsured workers in the three years from May 1, 1917, to May 1, 1920.³

There were more deaths recorded as due to nonindustrial accidents than were caused by tuberculosis, probably because a number died from tuberculosis after their names had been removed from the pay rolls of the company at the end of one year's disability.

¹ An inclusive term applied to all deaths from heart affections of whatever nature.
² The life of an employee was insured by the company after three months' service.

TABLE I.—Diseases causing death (as given by death certificates) of 392 insured employees of the B. F. Goodrich Co. in the 4½ years from November 1, 1915, to May 1, 1920, and to 99 uninsured employees in the 3 years from May 1, 1917, to May 1, 1920.¹

Disease causing death.	Number of deaths.	Per cent of total deaths.	Disease causing death.	Number of deaths.	Per cent of total deaths.
1. Pneumonia.....	129	26.3	12. Cerebral hemorrhage.....	7	1.4
2. Influenza-pneumonia.....	89	18.1	13. Industrial accidents.....	7	1.4
3. Nonindustrial accidents.....	38	7.7	14. Scarlet fever.....	7	1.4
4. Tuberculosis.....	34	6.9	15. Suicide.....	7	1.4
5. Pancarditis ²	30	6.1	16. Septicemia.....	6	1.2
6. Appendicitis-peritonitis.....	22	4.5	17. Diabetes.....	4	.8
7. Typhoid fever.....	22	4.5	18. Paralysis.....	4	.8
8. Carcinoma.....	12	2.5	19. Acute indigestion.....	3	.6
9. Meningitis.....	10	2.1	20. All other causes.....	41	8.4
10. Nephritis.....	10	2.1			
11. Homicide.....	9	1.8	Total.....	491	100.0

¹ The life of an employee was insured by the company after 3 months' service.

² An inclusive term applied to all deaths from heart affections of whatever nature.

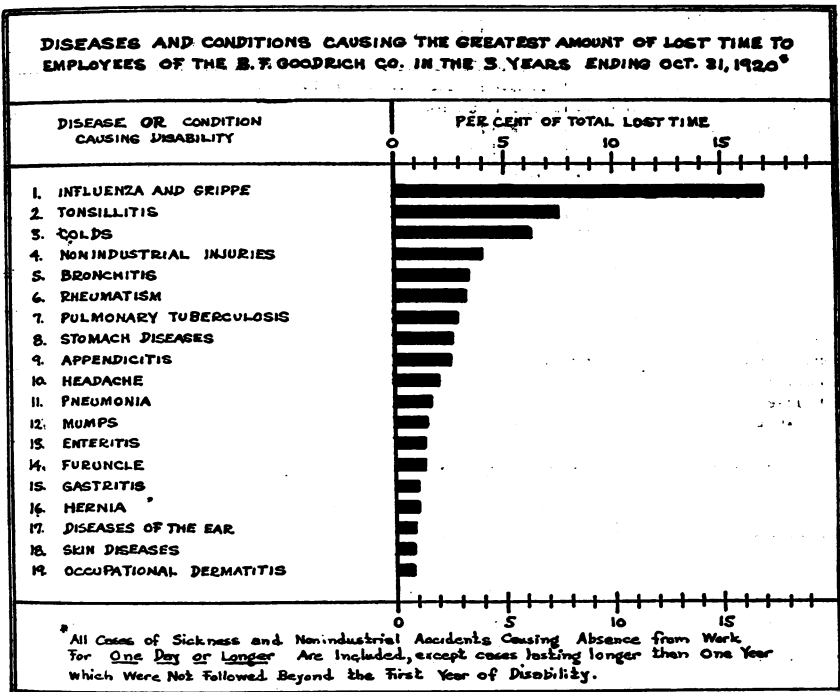


FIG. 2.

THE MORBIDITY PICTURE.

How does the morbidity picture compare with mortality? Were the diseases causing the greatest number of deaths responsible also for the largest amount of time lost from work? In Table II and Figure 2, influenza is again prominently at the front; but, whereas influenza and influenza-pneumonia caused 44 per cent of total deaths, influenza, grippe, and pneumonia caused only 19 per cent of all the disability. The first five causes of death as listed in Table I

accounted for 65 per cent of the mortality, but for only about 26 per cent of the morbidity as expressed in time lost from work. Tonsillitis, colds, rheumatism, bronchitis, and gastro-intestinal disorders were the outstanding causes of disability in addition to the epidemic, nonindustrial injuries, and tuberculosis. The prevention of deaths and the elimination of the greatest possible amount of time lost from work on account of disability apparently are not one and the same problem. Nor is the problem of disabling sickness in office and factory the same.⁴

TABLE II.—*Diseases and conditions causing the greatest amount of lost time to employees of the B. F. Goodrich Co. in the 3 years ending October 31, 1920.*¹

Disease or condition causing disability.	Work days lost in the 3 years.	Per cent of total lost time.	Days lost per 100 employees per year.	Disease or condition causing disability.	Work days lost in the 3 years.	Per cent of total lost time.	Days lost per 100 employees per year.
1. Influenza and grippe.	70,067	16.93	143	12. Mumps.....	6,045	1.46	12
2. Tonsillitis.....	31,504	7.61	65	13. Enteritis.....	5,495	1.33	11
3. Colds.....	25,952	6.27	53	14. Furuncle.....	5,441	1.31	11
4. Nonindustrial injuries	16,826	4.07	34	15. Gastritis.....	4,408	1.07	09
5. Bronchitis.....	14,260	3.45	29	16. Hernia.....	4,396	1.06	09
6. Rheumatism.....	13,616	3.29	28	17. Diseases of the ear...	3,578	.86	07
7. Pulmonary tuberculosis	12,110	2.93	25	18. Diseases of the skin...	3,566	.86	07
8. Diseases of the stomach.	10,797	2.61	22	19. Occupational dermatitis	3,362	.81	07
9. Appendicitis.....	10,610	2.56	22	20. All others.....	156,562	37.82	321
10. Headache.....	8,581	2.07	18				
11. Pneumonia.....	6,763	1.63	14	Total.....	413,939	100.00	847

Average number of employees, 16,285.

¹ All sickness and nonindustrial accident cases causing absence from work for one day or longer are included, except cases lasting longer than one year, which were not followed beyond the first year of disability.

MORBIDITY IN EACH OF THE THREE YEARS.

How the number of days lost per person or per 100 persons varied in the three years under review is shown for each sex in Table III. In the rates from year to year, considerable variation will be noted, not only in specific diseases but also in the total number of days lost per 100 employees. The increase in the amount of disability in the second and third years is only partially accounted for by the illnesses diagnosed as influenza and grippe. Other respiratory diseases—colds, bronchitis, and tonsillitis—caused a considerable part of the increase in lost time in 1919 and 1920 among both sexes. Another large proportion of the increase is to be found in the miscellaneous group of illnesses called "All other diseases and conditions." The table, however, should not be interpreted to mean that more and more time is being lost from work on account of sickness. The rates in 1919 and 1920 were high because epidemic influenza and other

⁴ Note the time lost on account of specific diseases and conditions in *Sickness Among Office Workers*, Reprint No. 733 from the Public Health Reports of Mar. 10, 1922.

factors combined to produce a period which interrupted, at least as far as this plant is concerned, a more or less gradual decline in the disability rate as is indicated in Figure 5.

It is interesting to observe that in spite of the differences in the rates from year to year, the important causes of disability remained practically the same throughout. The first 10 causes of morbidity, for example, among either sex in each of the three years would constitute almost the same list of ailments.

TABLE III.—Days lost per 100 employees on account of sickness and nonindustrial accidents, according to important causes of disability and by sex for the years ending with October 31, 1918, 1919, and 1920.

[Morbidity Experience of the Employees of the B. F. Goodrich Co.]

Disease or condition causing disability.	Males, year ending Oct. 31—			Females, year ending Oct. 31—		
	1918	1919	1920	1918	1919	1920
All diseases causing disability.....	648	776	930	820	1,947	1,078
1. Influenza and grippé.....	102	165	124	142	505	116
2. Tonsillitis.....	41	46	86	57	143	117
3. Colds.....	15	64	61	22	126	67
4. Nonindustrial injuries.....	37	36	31	44	36	19
5. Bronchitis.....	21	24	35	38	35	48
6. Rheumatism.....	35	20	33	13	35	14
7. Pulmonary tuberculosis.....	27	23	16	38	88	45
8. Diseases of the stomach.....	17	31	16	20	43	14
9. Appendicitis.....	25	19	17	46	61	17
10. Headache.....	11	16	23	11	26	24
11. Pneumonia.....	13	18	9	3	42	19
12. Mumps.....	17	4	19	5	6	14
13. Enteritis.....	9	15	8	14	21	6
14. Furuncle.....	11	12	13	2	7	1
15. Gastritis.....	9	8	11	10	7	6
16. Hernia.....	14	8	9	.....	5	2
17. Diseases of the ear.....	5	4	12	9	12	7
18. Diseases of the skin.....	11	4	7	11	8	5
19. Occupational dermatitis.....	13	11	4	3	5	1
20. Dysmenorrhœa.....	.....	.....	.....	36	(1)	39
21. All other diseases and conditions.....	215	248	396	305	736	497
Number of employees.....	11,493	15,539	16,424	1,890	1,442	2,077

¹ Less than 48; the exact figure is not available.

DURATION OF DISABILITY.

The number of cases per 1,000 persons was taken in lieu of the percentage remaining out at the beginning of each consecutive working day, in order to compare the duration of disability by years. If percentages had been used for this purpose, the year ending October 31, 1920, would have appeared to have the shortest disabilities, and the year ending October 31, 1918, the longest, whereas the reverse is the case. The erroneous picture which percentages would have created in this instance is due to the disproportionate number of cases lasting one day only in the years ending October 31, 1919, and October 31, 1920, as shown at the beginning of this article. In Figure 3 the curve representing the year ending October 31, 1920,

crosses the curve for the year ending October 31, 1919, at the seventh day, indicating a reduced duration for disabilities lasting longer than one week in the year ending October 31, 1920, compared with the preceding year.

The plotting of duration of sickness is of interest to industrial health departments because their endeavor is to flatten out the curve toward the left as much as possible from year to year. Information regarding the extent to which this was done in 1921, when conditions from a health standpoint were better, unfortunately is not available at the present time.

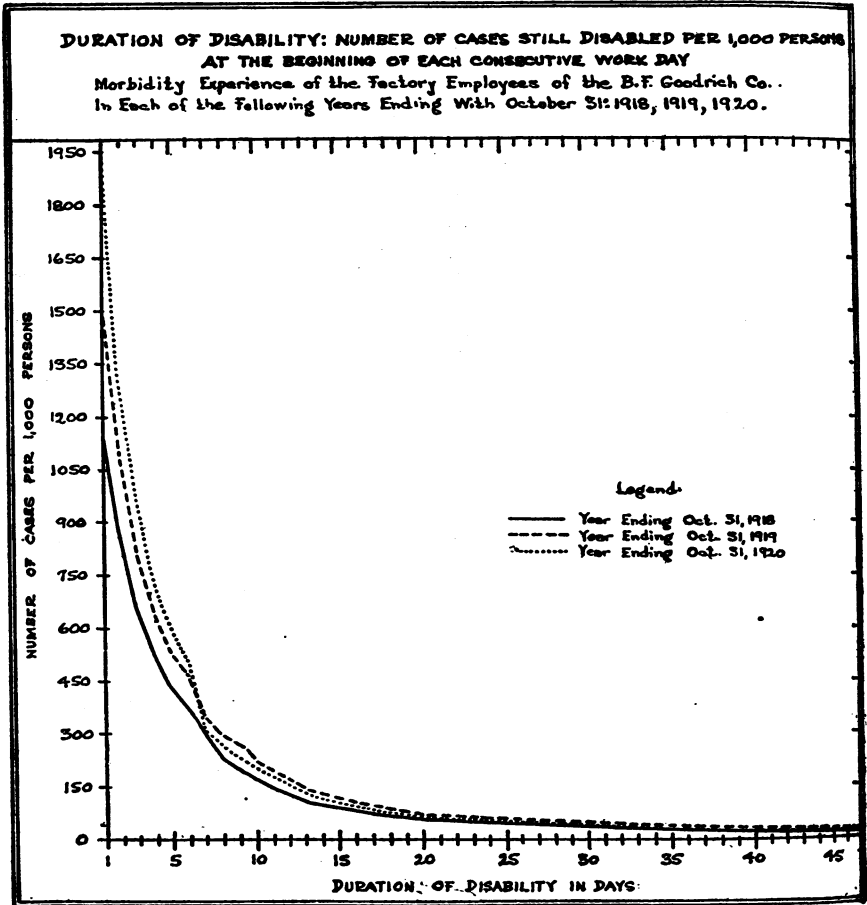


FIG. 3.

TABLE IV.—Duration of disability—Frequency of cases still disabled at the beginning of each consecutive work day.

[Morbidity Experience of the Factory Employees of the B. F. Goodrich Co. in the years ending with Oct. 31, 1918, 1919, and 1920.]

Duration of disability.	Number of cases, year ending Oct. 31—			Cases per 1,000 persons, year ending Oct. 31—		
	1918	1919	1920	1918	1919	1920
Total number of cases lasting 1 day or longer.....	15,296	25,692	35,869	1,144	1,513	1,939
Number of cases remaining out at the beginning of—						
Second day.....	11,598	18,719	24,676	867	1,102	1,334
Third day.....	8,739	14,001	17,909	654	825	968
Fourth day.....	6,881	11,004	13,785	515	648	745
Fifth day.....	5,690	9,120	11,214	426	537	606
Sixth day.....	4,943	8,088	9,441	370	476	510
Seventh day.....	3,982	5,820	5,583	298	343	302
Eighth day.....	3,064	5,001	4,907	229	295	265
Ninth day.....	2,624	4,350	4,288	196	256	232
Tenth day.....	2,250	3,767	3,763	163	222	203
Eleventh day.....	1,966	3,309	3,319	147	195	179
Twelfth day.....	1,679	2,856	2,907	126	168	157
Thirteenth day.....	1,419	2,434	2,436	106	143	132
Fourteenth day.....	1,263	2,140	2,167	94	126	117
Fifteenth day.....	1,134	1,914	1,927	85	113	104
Sixteenth day.....	1,036	1,730	1,746	78	102	94
Seventeenth day.....	935	1,575	1,592	70	93	86
Eighteenth day.....	850	1,396	1,438	64	82	78
Nineteenth day.....	782	1,239	1,287	59	73	70
Twentieth day.....	723	1,114	1,181	54	66	64
Twenty-first day.....	642	1,022	1,073	48	60	58
Twenty-second day.....	504	726	799	38	43	43
Twenty-third day.....	382	531	549	29	31	30
Twenty-fourth day.....	295	383	396	22	23	21
Twenty-fifth day.....	227	288	308	17	17	17
Twenty-sixth day.....	182	218	240	14	13	13
Twenty-seventh day.....	145	175	195	11	10	11
Twenty-eighth day.....	141	141	154	8	8	7
Twenty-ninth day.....	108	123	135	8	7	7
Thirtieth day.....	79	104	120	6	6	6
Thirty-first day.....	79	94	102	6	6	6
Thirty-second day.....	79	84	93	6	5	5
Thirty-third day.....	79	66	86	6	4	4
Thirty-fourth day.....	79	60	75	6	4	4
Thirty-fifth day.....	79	58	68	6	3	4
Thirty-sixth day.....	79	47	58	6	3	4
Thirty-seventh day.....	79	35	48	6	3	3
Thirty-eighth day.....	79	35	48	6	3	3
Thirty-ninth day.....	79	35	48	6	3	3
Fortieth day.....	79	35	48	6	3	3
Forty-first day.....	79	35	48	6	3	3
Forty-second day.....	79	35	48	6	3	3
Forty-third day.....	79	35	48	6	3	3
Forty-fourth day.....	79	35	48	6	3	3
Forty-fifth day.....	79	35	48	6	3	3
Forty-sixth day.....	79	35	48	6	3	3
Forty-seventh day.....	79	35	48	6	3	3
Forty-eighth day.....	79	35	48	6	3	3
Forty-ninth day.....	79	35	48	6	3	3
Fiftieth day.....	79	35	48	6	3	3
Average number of employees.....	13,373	16,981	18,501			

FREQUENCY OF SICKNESS ACCORDING TO LENGTH OF SERVICE.

The decrease in disease occurrence according to length of service with the company is striking. (See Table V and fig. 4.) One would expect an older age distribution and, consequently, a higher sickness rate among persons who had been with the company for five years or more. The rate, however, for this group and for those with one to five years' service is so much lower than the average sickness frequency that the efficacy of industrial medical work appears to be demonstrated statistically.

TABLE V.—Frequency of sickness and nonindustrial accidents in the two years from November 1, 1918, to November 1, 1920, classified according to length of service with the company.¹

Length of service.	Average number of employees.	Number of cases.	Annual number of cases per 1,000 employees.
Under 3 months.....	4,433	22,137	2,496.6
3 to 6 months.....	2,500	12,183	2,436.6
6 months to 1 year.....	3,060	11,469	1,874.3
1 to 5 years.....	5,256	12,907	1,227.7
5 years and over.....	2,492	2,865	575.0
All lengths of service.....	17,741	61,561	1,735.0

¹All sickness and nonindustrial accident cases causing absence from work for 1 day or longer are included, except cases lasting longer than 1 year which were not followed beyond the first year of disability.

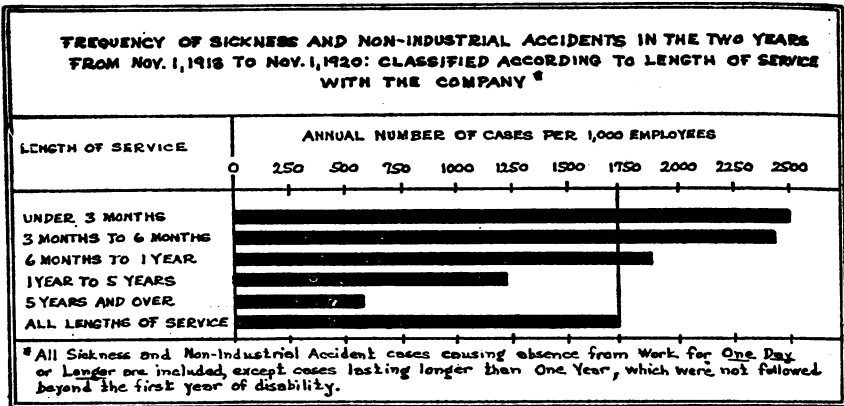


FIG. 4.

PER CENT ABSENT ON ACCOUNT OF DISABILITY.

The statement has been made that sickness disabilities should not exceed 2 per cent of the working time except in very unusual periods.⁵

According to Table VI and Figure 5, 2 per cent was relatively a very low percentage of absence; but, of course, the times were unusual. Influenza was mainly responsible for an absence of 4 per cent of the factory force during the month ending April 15, 1918, 6 per cent in the month ending November 15, 1918, and 9 per cent during the four weeks which terminated on the 15th of February, 1920. Oddly enough, the 1920 attack of influenza appears to have been far more explosive in Akron than the 1918 outbreak.

If the hand is placed on Figure 5 in such a way as to obliterate the period in which the two great waves of epidemic influenza played havoc with industrial efficiency, i. e., from October, 1918, to Septem-

⁵ Quinby, Dr. R. S.: A Study of Industrial Absenteeism, The Nation's Health, October, 1921, Vol. III, No. 10.

ber or October, 1920, one can discern a definite downward trend in the amount of absence on account of disability. By the end of 1920 the rate had apparently been stabilized below 2 per cent in its descent from an absenteeism of 5 or 6 per cent of the force in 1916. From the long-time point of view, there appears to have been a very considerable reduction in the amount of time lost from work on account of sickness.

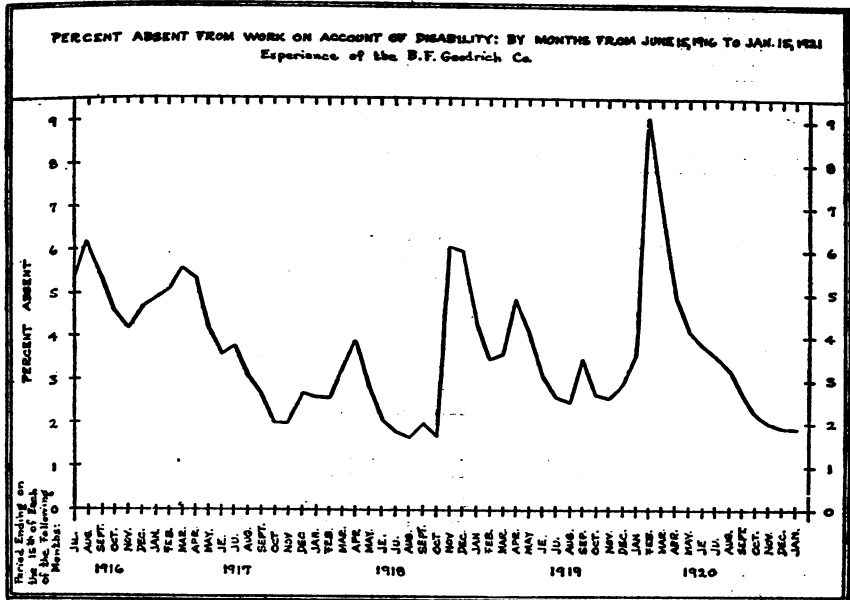


FIG. 5.

TABLE VI.—Per cent absent on account of disability, by months, from June 15, 1916, to January 1, 1921.

[Experience of the B. F. Goodrich Co.]

Period ending on the 15th of the month of—	Per cent absent on account of disability.	Period ending on the 15th of the month of—	Per cent absent on account of disability.
1916		1918	
July.....	5.4	January.....	2.6
August.....	6.2	February.....	2.6
September.....	5.4	March.....	3.3
October.....	4.6	April.....	3.9
November.....	4.2	May.....	2.9
December.....	4.7	June.....	2.1
		July.....	1.8
1917		August.....	1.7
January.....	4.9	September.....	2.0
February.....	5.1	October.....	1.7
March.....	5.6	November.....	6.1
April.....	5.4	December.....	6.0
May.....	4.2		
June.....	3.8	1919	
July.....	3.1	January.....	4.3
August.....	2.7	February.....	3.5
September.....	2.0	March.....	3.6
October.....	2.0	April.....	4.9
November.....	2.0	May.....	4.1
December.....	2.7	June.....	3.1

TABLE VI.—Per cent absent on account of disability, by months, from June 15, 1916, to January 1, 1921—Continued.

Period ending on the 15th of the month of—	Per cent absent on account of disability.	Period ending on the 15th of the month of—	Per cent absent on account of disability.
1919		1920	
July.....	2.6	May.....	4.1
August.....	2.5	June.....	3.8
September.....	3.5	July.....	3.6
October.....	2.7	August.....	3.3
November.....	2.6	September.....	2.7
December.....	2.9	October.....	2.2
1920		November.....	2.0
January.....	3.6	December.....	1.9
February.....	9.1	1921	
March.....	7.1	January.....	1.9
April.....	4.9		

SUMMARY.

The following statements briefly summarize the chief points of the foregoing discussion:

1. The three years ending October 31, 1920, were unusual from the health point of view, and, consequently, the morbidity statistics of this period would not be representative of the sickness expectancy of the present time.

2. The problem of reducing industrial morbidity is not the same as the problem of reducing industrial mortality, to the lowest possible rate.

3. Sickness disabilities were found to vary considerably by years, not only for specific diseases, but also in the total amount of time lost per person among either sex; but the chief causes of disability remained practically the same throughout the period under review.

4. Disabilities were of shortest duration in the year ending October 31, 1918. The frequency of cases lasting longer than one week was greatest in the year ending October 31, 1919; in the following year occurred the greatest number of short-time disabilities, i. e., those lasting less than one week.

5. The beneficial effects of the work of a well-organized industrial health department are reflected in the morbidity rates of employees according to length of service with the company and in the per cent absent each month on account of disability.

SMALLPOX IN COLORADO.

The following is a summary of the recent occurrence of virulent smallpox in Denver. The first fatality of this outbreak was reported during the week ending November 12, 1921. It is noteworthy that the infection must therefore have been introduced into Denver prior

to the largely attended convention of the American Legion in Kansas City October 31 to November 2, 1921; the ex-soldiers, who had been well vaccinated within four years, were not apparently the means of starting an epidemic in any other part of the United States, in spite of the fact that virulent smallpox was beginning to spread in Kansas City at the time of the convention. The direct source of the Denver outbreak may have been the same as the unknown source of the Kansas City outbreak.

Unfortunately, publicity, which in Kansas City secured sufficient general vaccination to stop the outbreak with the appearance of warm weather, was not equally effective in Denver, and the fatal and highly contagious strain of the disease prevailed through the summer, breaking out again characteristically with the cooler season.

Smallpox in Colorado.

Year.	Denver. ¹		Colorado, exclusive of Denver. ²	
	Cases.	Deaths.	Cases.	Deaths.
1916.....	10	.....	83	.....
1917.....	124	.....	199	.....
1918.....	828	.....	852	1
1919.....	567	.....	1,145	4
1920.....	953	1	1,945	6
1921.....	924	37	1,682	7
1922 ³	660	226	369	(⁴)

¹ Figures for 1916-1921 are taken from annual summaries furnished by the city health officer; those for 1922 are taken from current weekly reports received from the city health officer.

² Figures taken from annual summaries furnished by the State health officer.

³ Figures for Denver, Jan. 1-Dec. 2, 1922; for State, Jan. 1-Sept. 30, 1922.

⁴ Deaths not given.

Weekly reports received from city health officer, Denver, 1921 and 1922.

Week.	1921		1922	
	Cases.	Deaths.	Cases.	Deaths.
First.....	7	.....	16	7
Second.....	12	.....	9	4
Third.....	11	.....	.....	1
Fourth.....	24	.....	25	8
Fifth.....	23	.....	10	8
Sixth.....	23	.....	14	4
Seventh.....	23	.....	12	5
Eighth.....	11	.....	7	5
Ninth.....	15	.....	11	2
Tenth.....	11	.....	8	5
Eleventh.....	23	.....	7	1
Twelfth.....	18	.....	11	3
Thirteenth.....	18	.....	14	4
Fourteenth.....	34	.....	5	5
Fifteenth.....	14	.....	20	5
Sixteenth.....	22	.....	9	3
Seventeenth.....	46	.....	6	4
Eighteenth.....	30	.....	6	4
Nineteenth.....	23	.....	8	3
Twentieth.....	41	.....	8	1
Twenty-first.....	25	.....	1	1
Twenty-second.....	23	.....	5	.....
Twenty-third.....	39	.....	3	.....
Twenty-fourth.....	24	.....	1	.....
Twenty-fifth.....	27	.....	2	.....
Twenty-sixth.....	22	.....	1	.....
Twenty-seventh.....	15	.....	1	1
Twenty-eighth.....	12	.....	1	1
Twenty-ninth.....	12	.....	2	.....

Weekly reports received from city health officer, Denver, 1921 and 1922—Continued.

Week.	1921		1922	
	Cases.	Deaths.	Cases.	Deaths.
Thirtieth.....	10		1	1
Thirty-first.....	4		7	
Thirty-second.....			2	1
Thirty-third.....	8			1
Thirty-fourth.....	12		4	
Thirty-fifth.....	3		10	
Thirty-sixth.....	4			
Thirty-seventh.....	1		2	2
Thirty-eighth.....	3		14	1
Thirty-ninth.....			7	2
Fortieth.....			3	5
Forty-first.....			24	2
Forty-second.....	5		74	4
Forty-third.....	2		57	17
Forty-fourth.....	3		30	26
Forty-fifth.....	3	1	72	21
Forty-sixth.....	7	2	72	22
Forty-seventh.....	21	3	34	21
Forty-eighth.....	24	11	24	15
Forty-ninth.....	19	3		
Fiftieth.....	20	6		
Fifty-first.....	12	7		
Fifty-second.....		2		
Total.....	789	35	660	226

MORTALITY FROM TUBERCULOSIS IN THE UNITED STATES, 1921.

The Department of Commerce, through the Bureau of the Census, announces that about 88,000 deaths were due to tuberculosis in the death registration area of the United States in 1921, and if the rest of the United States had as many deaths from this cause in proportion to the population, the total number of deaths from tuberculosis in the entire United States for 1921 was about 107,000, or 15,000 less than the 122,000 estimated for 1920.

The trend of the tuberculosis death rate is downward. In the 34 States of the registration area, all except one, Utah, show their lowest rates for the year 1921, as presented in the following table. The tuberculosis death rate in the registration area in 1921 was 99.4 per 100,000 population against 114.2 per 100,000 population for the year 1920.

To permit better interstate comparisons for the year 1921, adjusted rates based on the standard million population have been calculated. The highest "adjusted" tuberculosis rate for 1921 is 173.8 per 100,000 population for the State of Colorado, and the lowest is 36.7 per 100,000 population for the adjoining State of Nebraska. The high rate for Colorado is evidence not of unhealthfulness of the climate, but of the attractiveness of the Colorado climate to those afflicted with tuberculosis.

For the States with considerable colored populations, adjusted rates have been calculated separately for the white and colored populations. In this group of States the highest adjusted tuberculosis rate for the white population is 115.7 per 100,000 for Kentucky and

the highest adjusted rate for the colored population is 326.1 per 100,000 population for the same State. The lowest adjusted tuberculosis rate for the white population is 55.7 for Mississippi and the lowest for the colored population is 159.7 per 100,000 population for Florida.

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

Area.	Number of deaths.			Ad-justed rate, ¹ 1921.	Crude rate ² per 100,000 population.				
	1921	1920	1919		1921	1920	1919	1918	1917
Registration area.....	88, 135	99, 916	106, 985	(*)	99.4	114.2	125.6	150.0	147.1
Registration States ⁴ (1917).....	73, 533	83, 349	90, 008	(*)	99.9	114.8	125.7	149.7	144.7
California.....	5, 422	5, 555	5, 910	137.2	151.1	159.6	175.3	186.7	177.2
Colorado.....	1, 775	2, 134	2, 005	173.8	184.6	225.4	215.1	242.9	194.8
Connecticut.....	1, 364	1, 666	1, 729	92.7	95.9	119.4	126.5	153.9	160.4
Delaware.....	318	327	363	136.3	140.6	146.0	163.6	(*)	(*)
Florida (total).....	959	1, 021	1, 003	96.2	95.7	104.1	104.8	(*)	(*)
White.....	417	435	471	61.9	62.4	67.1	74.9	(*)	(*)
Colored.....	542	586	532	159.7	162.5	170.8	161.6	(*)	(*)
Illinois.....	5, 617	6, 588	7, 395	81.1	84.9	100.6	114.9	135.7	(*)
Indiana.....	2, 752	3, 201	3, 331	89.7	92.8	108.8	114.1	140.2	139.5
Kansas.....	772	855	894	48.3	48.2	50.6	58.8	59.8	
Kentucky (total).....	3, 197	3, 705	3, 982	135.3	131.2	152.9	165.3	198.0	198.8
White.....	2, 424	2, 851	3, 109	115.7	110.0	130.3	143.1	169.3	166.1
Colored.....	773	854	873	326.1	333.1	363.8	367.8	466.0	486.1
Louisiana (total).....	2, 228	2, 550	2, 577	128.4	122.4	141.2	147.9	185.8	(*)
White.....	778	894	879	73.7	60.4	80.9	80.8	109.0	(*)
Colored.....	1, 450	1, 656	1, 698	213.7	207.2	236.2	241.7	302.9	(*)
Maine.....	634	799	793	79.0	82.1	103.8	103.4	121.4	117.1
Maryland (total).....	1, 997	2, 139	2, 390	132.4	135.5	146.8	165.8	207.6	195.9
White.....	1, 252	1, 337	1, 549	97.9	102.1	110.4	129.4	163.1	150.8
Colored.....	745	802	841	299.6	301.8	326.6	344.2	423.4	413.6
Massachusetts.....	3, 870	4, 412	4, 901	94.5	98.5	113.8	128.0	159.0	145.9
Michigan.....	2, 755	3, 101	3, 106	70.9	72.5	83.6	85.7	101.5	96.6
Minnesota.....	1, 875	2, 151	2, 246	75.3	77.0	89.6	94.7	104.6	102.1
Mississippi (total).....	1, 989	2, 287	2, 436	120.4	111.1	127.8	136.0	(*)	(*)
White.....	423	410	488	55.7	49.5	47.8	57.3	(*)	(*)
Colored.....	1, 566	1, 877	1, 948	177.8	167.2	201.2	207.1	(*)	(*)
Missouri.....	3, 182	3, 644	3, 984	88.9	93.0	106.9	117.2	144.4	149.2
Montana.....	2, 756	3, 644	4, 800	56.5	61.8	75.1	88.9	96.8	108.8
Nebraska.....	487	561	(*)	36.7	37.1	43.0	(*)	(*)	(*)
New Hampshire.....	351	430	453	76.8	78.9	97.0	102.5	113.9	113.9
New Jersey.....	3, 043	3, 635	3, 978	89.9	93.6	114.0	127.4	157.4	154.3
New York (total).....	10, 836	12, 634	14, 538	96.3	102.4	120.9	140.9	167.9	166.3
White.....	10, 117	11, 848	13, 582	91.9	97.7	115.8	134.4	161.8	161.1
Colored.....	719	786	956	306.9	321.7	362.8	455.7	475.0	429.4
North Carolina (total).....	2, 739	3, 004	3, 110	117.7	104.8	116.5	122.4	138.7	137.8
White.....	1, 266	1, 491	1, 521	77.8	69.3	82.8	86.0	94.7	94.2
Colored.....	1, 473	1, 513	1, 589	211.1	187.4	194.2	205.9	238.8	236.4
Ohio.....	5, 270	5, 975	6, 539	85.0	89.1	102.8	114.6	136.2	134.8
Oregon.....	608	703	704	72.9	76.0	89.1	90.6	88.1	(*)
Pennsylvania (total).....	8, 197	9, 213	10, 327	90.7	92.3	105.0	119.1	151.6	138.6
White.....	7, 194	8, 267	9, 334	82.5	83.8	97.5	111.4	141.8	129.1
Colored.....	1, 003	946	993	314.9	333.0	324.1	351.3	447.0	433.0
Rhode Island.....	663	798	895	104.2	108.0	131.3	148.8	181.5	172.9
South Carolina (total).....	1, 901	2, 031	2, 271	124.9	111.2	120.0	135.6	144.5	144.8
White.....	1, 440	1, 540	1, 552	58.1	52.4	65.5	68.0	67.9	70.0
Colored.....	1, 461	1, 491	1, 719	192.1	168.0	172.0	199.0	215.4	213.0
Tennessee (total).....	3, 304	3, 860	3, 938	148.4	139.9	164.6	169.0	206.8	199.1
White.....	2, 039	2, 451	2, 376	114.2	106.6	129.3	126.6	151.5	155.6
Colored.....	1, 265	1, 409	1, 562	294.8	282.0	312.6	344.9	432.5	374.5
Utah.....	184	177	200	41.3	39.9	39.1	44.8	47.8	44.6
Vermont.....	245	288	321	65.9	69.5	81.8	91.8	104.5	93.4
Virginia (total).....	3, 131	3, 819	3, 445	140.7	138.4	142.8	150.1	183.6	169.8
White.....	1, 423	1, 545	1, 567	90.6	86.1	94.8	97.5	126.1	109.2
Colored.....	1, 708	1, 774	1, 878	253.4	246.0	256.2	272.0	315.9	307.6
Washington.....	1, 150	1, 346	1, 385	79.4	82.7	98.4	103.0	103.6	100.2
Wisconsin.....	2, 014	2, 267	2, 202	74.0	75.2	85.6	84.1	94.4	97.3

¹ The adjusted rate makes allowance for the differences in the age and sex composition of the population 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 admitted to registration area until a later date.

REVOCAION OF LICENSE OF PHYSICIAN CHARGED WITH FAILING TO REPORT COMMUNICABLE DISEASE.

The following is a decision¹ of the Supreme Court of Utah on the subject of the revocation of the license of a physician who was charged with having violated a certain ordinance requiring the reporting of cases of communicable diseases.

FRICK, J. On August 30, 1922, the plaintiff made application in due form to this court for a writ of certiorari to be directed to the defendant as director of registration requiring the latter to certify up the proceedings in a certain matter in which the defendant, as director of registration, made and entered an order in which he revoked and annulled the license theretofore granted and issued to the plaintiff to practice medicine and surgery in this State, which order the plaintiff alleged to be in excess of the defendant's jurisdiction, and for that reason should be set aside. The writ was duly issued and served upon the defendant and in compliance therewith he has certified the record of the proceedings had before him in the matter aforesaid to this court.

Upon the record being certified to this court the plaintiff moved for judgment in his favor upon the proceedings certified as aforesaid. The cause was duly argued and submitted to this court by counsel for the respective parties upon the motion aforesaid.

From the record of the proceedings had before the defendant it appears that a complaint in writing was duly filed in the office of the defendant as director of registration, in which it was charged that the plaintiff—

"while practicing under said license, has been guilty of 'unprofessional conduct' * * * in the following particulars: That the said Charles V. Moorehouse willfully failed to report in writing to the health officer the existence of a case of infectious disease which he was treating at Junction, Piute County, on the 14th day of February, 1920. In further support of this allegation the complainant alleges that a complaint was made before the justice of the peace of the town of Junction, in Piute County, State of Utah, charging him with the said offense, and that he, the said Charles V. Moorehouse, was duly arrested under a warrant issued on the said complaint and brought into court on the 31st day of March, 1920, and he then and there pleaded guilty to the said charge and was adjudged guilty by the court and ordered to pay a fine of \$25. The complainant therefore requests that a citation be issued requiring the said defendant to show why his license to practice medicine and surgery should not be revoked."

Upon the foregoing complaint a hearing was had before the defendant and a committee of physicians, as provided by our statute. The committee, after hearing the evidence, made their report or recommendation to the defendant in the following words:

"We, the committee designated by the director for that purpose, report that we have heard the evidence submitted in the proceedings in this department to revoke the license of Charles V. Moorehouse, and from such evidence we find that the said Charles V. Moorehouse is guilty of unprofessional conduct, as charged in the complaint filed herein, and we recommend that his license to practice medicine and surgery be revoked by the department."

The defendant, in pursuance of such recommendation, entered the following order:

"Under the findings and recommendation of the committee and under the provisions of the statute it is hereby ordered that the license to practice medicine and surgery in the State of Utah issued to Dr. Charles V. Moorehouse on the 6th day of July, 1911, by the State board of medical examiners and numbered 689 be, and the same is hereby, revoked and canceled."

Considerable evidence was produced at the hearing before the defendant which it is not necessary to set forth. We shall, however, in the course of this opinion refer to such portions thereof as are deemed material.

From the original complaint filed against the plaintiff before the defendant it is made to appear that the plaintiff had been charged with the same offense before a

¹ Moorehouse v. Hammond, director of registration, 209 Pac. 883.

justice of the peace and had pleaded guilty to such charge, and in pursuance of such plea the justice adjudged that he pay a fine of \$25. The judgment of conviction entered in such justice's court was produced before the defendant and said committee as evidence that the plaintiff had been charged in said justice's court with the offense of unprofessional conduct, and that by entering a plea of guilty he had confessed or admitted his guilt.

It will be observed that the real charge preferred against the plaintiff, both in the justice's court and before the defendant, is that he had "willfully failed to report in writing to the health officer," etc. In view that the plaintiff was charged with the violation of a certain ordinance, it becomes important to consider the language of the same. The ordinance reads as follows:

"It shall be the duty of every physician in this town to report to the president, in writing, every person who is affected with any contagious or infectious disease, such as cholera, diphtheria, yellow fever, scarlet fever, typhoid fever, whooping cough, measles, mumps, smallpox, varioloid, or any of the grades of such diseases, immediately after he shall be satisfied of the nature of the disease, and to report to the same officer every case of death from any of said diseases immediately after it occurs."

In this connection it also becomes important to keep in mind our statute upon which the aforesaid ordinance was predicated and upon which the defendant relies to sustain his order revoking plaintiff's license to practice medicine and surgery in this State. Comp. Laws Utah 1917, § 4448, as amended by chapter 91, Laws Utah 1921, so far as material here, defines what shall constitute "unprofessional conduct" authorizing the revocation of a physician's license, as follows:

"Willful violation of the law in regard to the registration of births and deaths and the reporting of infectious diseases."

In another section (2726) the duty imposed upon physicians and surgeons respecting contagious diseases is stated thus:

"All physicians and other persons having knowledge of the existence of any contagious or infectious disease, or having reason to believe that any such disease exists, are hereby required to report the same forthwith to the local board of health."

It will thus be seen that while the statute merely requires a physician to report "the existence of any contagious or infectious diseases * * * to the local board of health," the ordinance to which reference has been made, and which was the basis of the charge against the plaintiff both before the justice of the peace and the defendant, required that a report be made "in writing." The ordinance therefore required more from the physician than did the statute. While the cities and towns, including boards of health, in this State are given ample power to pass and enforce ordinances and to promulgate and enforce rules and regulations respecting the public health and to require certain things to be done in case of contagious and infectious diseases, yet where, as here, the statute specifically defines what act or acts of commission or omission on the part of a physician shall constitute "unprofessional conduct" authorizing the revocation of his license to practice medicine, an ordinance, in the absence of express statutory authority, can not impose greater or different duties in that regard than the statute imposes. This court, in *Tooele City v. Hoffman*, 42 Utah 596, 134 Pac. 558, held that where the statute merely authorized the imposition of a fine for a particular offense an ordinance might not impose a fine and imprisonment as punishment for the same offense, but must be restricted to the penalty authorized by statute.

However, if it were held that the ordinance in question here and upon which the charge against the plaintiff was predicated could impose the duty of reporting contagious and infectious diseases in writing, yet the ordinance for other reasons is wholly without force or effect. By reference to the ordinance it will be seen that it does not declare a refusal or omission to make a report unlawful, nor does it impose any penalty or punishment for such refusal or omission. The ordinance therefore merely

amounts to a direction to the physician to make a report. In view that it does not denounce the omission or failure to report as unlawful nor impose any penalty or punishment for a failure to make a report, the ordinance is clearly unenforceable. The imposition of the fine by the justice was therefore clearly beyond his power and constituted manifest usurpation.

Courts can not impose penalties unless authorized by statute. Neither can they impose other or different penalties than those authorized by statute. The courts have had frequent occasion to pass upon such matters. The Supreme Court of California in *People v. McNulty*, 93 Calif. 427, 26 Pac. 597, states the law thus:

"A description or definition of an act necessary to constitute a crime does not make the commission of such acts a crime unless there is a punishment annexed. Punishment is as necessary to constitute a crime as definition. * * *"

It was accordingly held in that case that a statute which does not impose a penalty in unenforceable. The same question was before the same court again in *Matter of Ellsworth*, 165 Calif. 677, 133 Pac. 272, where an ordinance relating to the regulation of the sale of intoxicating liquors was in question. The ordinance in that case, as in the case at bar, failed to impose any penalty or punishment for its violation, and it was again held that the ordinance was without force or effect.

In *New Orleans v. Stein*, 137 La. 652, 69 South. 43, the defendant was convicted of violating the provisions of a certain ordinance relating to the public health. The defendant appealed from the conviction, contending that, in view that the ordinance under which he was convicted failed to impose a penalty or punishment, the sentence imposed by the court was illegal and void. The court sustained the contention. The law is clearly stated in the headnote as follows:

"There are in this State no crimes or offenses except such as are created by statute or ordinance, and a court is powerless to impose a penalty not prescribed by a statute or an ordinance; and hence a statute or ordinance making it a crime or offense to do a certain act, without attaching a penalty to the doing of such act, is inoperative, and incapable of being given any effect by the courts."

The same question was before the Supreme Court of Florida in the case of *Cribb v. State*, 9 Fla., where, at page 418, after referring to the statute under which the conviction was had, the court said:

"But the difficulty of sustaining the conviction and judgment under this count is that, although it [the statute] enjoins or forbids the resident from holding the license, no penalty or remedy by indictment is prescribed. * * * The statute that creates the offense has not prescribed the penalty."

It was accordingly held that the judgment of conviction was illegal. It is not necessary to pursue the question or the authorities further. It must be manifest to every lawyer that crimes can only be created by the legislature or by its express authority, and that, unless a criminal statute or ordinance prescribes a penalty for its violation, the courts are powerless to enforce the same. The judgment of the justice's court, which was produced in evidence at the hearing before the defendant and the committee of physicians, was therefore without force or effect, and the recommendation or report of the physicians to the defendant, being based thereon, was likewise without any legal force or effect. In view, therefore, that the recommendation or report of the physicians fails, it follows as a necessary corollary that the order of the defendant based thereon revoking the license of the physician must likewise fail and must be held without legal force or effect.

It is contended by counsel for the defendant, however, that although the conviction under the ordinance fails, the order of the defendant revoking the plaintiff's license should nevertheless be upheld for the reason that the plaintiff has failed to comply with the provisions of the statute in that he failed to make a report "to the local board of health." The record of the proceedings certified up shows that a member of the board of trustees of the town in which plaintiff practiced, who was a witness at the hearing, testified that he was the authorized quarantine officer of the town

aforsaid; that he was present at the house of the afflicted person; and that the plaintiff informed the witness as the quarantine officer of the town and a member of the board of trustees that the patient was afflicted with smallpox; that immediately upon receiving such information the witness put up a sign quarantining the house in which the patient was confined. There is neither dispute nor conflict respecting the facts thus testified to by the witness aforsaid. No doubt the principal purpose of the statute requiring that a report of contagious and infectious diseases be forthwith made to the local boards of health is that the afflicted person may be properly quarantined and the public warned so that contact with the diseased person may be avoided and the spread of the contagion or infection prevented. All this was clearly accomplished in this case by plaintiff's report to the member of the town board who was the quarantine officer, and whose duty it was to act, which he did by quarantining the house in which the afflicted person was.

But, quite apart from all this, what the plaintiff in fact was charged with was that he had "willfully failed to report in writing to the health officer the existence of a case of infectious disease, which he was treating," etc. The statute does not require a report in writing, but merely requires that a report be made. We have already pointed out that the evidence is without conflict that a report was in fact made to a member of the town board who was then quarantine officer. The provisions of the statute were thus substantially complied with, and that is all that the law requires. Under our system of jurisprudence the penalties prescribed in criminal statutes can be imposed and the privileges of the accused can be forfeited only in cases where it is clear that the provisions of the law have been violated. Courts can not add terms or conditions, much less impose penalties not expressly authorized by the statute. Nor can an accused person be convicted of an offense other than the one stated in the complaint filed against him. In view, therefore, that in this case it appears that the plaintiff was charged with having failed to report in writing, he can not be convicted unless he failed to so report. Moreover, inasmuch as the statute required him to report the existence of the disease only, and the evidence being conclusive that he did report the same to the quarantine officer, who was also a member of the town board, and that the patient was quarantined and the principal purpose of the statute thus accomplished, the order revoking the license finds no support in the law, and therefore can not be permitted to stand.

In concluding this opinion we desire to add that we are very reluctant to interfere with the orders of the boards of health in carrying into effect the rules, regulations, and ordinances relating to the prevention of disease and the protection of the public health. In enforcing such rules, regulations, and ordinances the boards of health are exercising the highest functions of government, and they should not be interfered with unless it is clear that they have exceeded the bounds of their authority. Where, however, as here, the rights of a citizen have been invaded and he has been condemned without authority of law and has had his license to practice his profession revoked, we have no alternative save to correct the wrong by annulling and setting aside the order by which his privileges have been denied him. It is therefore ordered that the order of the director of registration, the defendant herein, by which the license of the plaintiff was attempted to be revoked and annulled be, and the same is hereby, vacated and set aside and the license of the plaintiff is reinstated and adjudged to be in full force and effect until revoked in accordance with law.

It appearing to this court, however, in acting as a public official, that the defendant proceeded in good faith in making the order aforsaid, neither party is allowed costs.

Corfman, C. J., and Weber, Gideon, and Thurman, JJ., concur.

DEATHS DURING WEEK ENDED DECEMBER 2, 1922.

Summary of information received by telegraph from industrial insurance companies for week ended December 2, 1922, and corresponding week 1921. (From the Weekly Health Index, December 5, 1922, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Dec. 2, 1922.	Corresponding week, 1921.
Policies in force.....	51, 442, 250	48, 386, 191
Number of death claims.....	7, 487	8, 848
Death claims per 1,000 policies in force, annual rate.....	7.6	9.5

Deaths from all causes in certain large cities of the United States during the week ended December 2, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921. (From the Weekly Health Index, December 5, 1922, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1922.	Week ended Dec. 2, 1922.		Annual death rate per 1,000 corresponding week 1921.	Deaths under 1 year.		Infant mortality rate, week ended Dec. 2, 1922.*
		Total deaths.	Death rate. ¹		Week ended Dec. 2, 1922.	Corresponding week 1921.	
Total.....	28, 265, 784	6, 653	12.3	11.9	845	767	.....
Albany, N. Y.....	116, 223	25	11.2	15.4	3	5	00
Atlanta, Ga.....	220, 047	59	14.0	11.8	8	3	.....
Baltimore, Md.....	762, 222	203	13.9	12.8	24	29	06
Birmingham, Ala.....	191, 017	55	15.0	17.4	6	12	.....
Boston, Mass.....	764, 017	235	16.0	13.5	34	28	91
Bridgeport, Conn.....	* 143, 555	24	8.7	7.3	1	3	13
Buffalo, N. Y.....	528, 163	133	13.1	13.7	16	22	63
Cambridge, Mass.....	110, 944	29	13.6	12.7	3	5	51
Camden, N. J.....	121, 915	31	13.3	13.1	4	2	60
Chicago, Ill.....	2, 833, 288	579	10.7	11.4	87	77	.....
Cincinnati, Ohio.....	404, 865	119	15.3	16.8	9	13	58
Cleveland, Ohio.....	834, 565	144	8.8	9.8	13	28	34
Columbus, Ohio.....	253, 455	57	11.7	7.6	5	4	53
Dallas, Tex.....	171, 974	42	12.7	13.6	7	5	.....
Dayton, Ohio.....	161, 824	34	11.0	11.2	4	4	65
Denver, Colo.....	267, 591	72	14.0	17.8	8	6	.....
Detroit, Mich.....	* 983, 678	198	10.4	9.2	33	28	62
Duluth, Minn.....	104, 183	11	5.5	.....	1	.....	21
Erie, Pa.....	106, 528	17	8.1	13.7	2	5	39
Fall River, Mass.....	120, 790	43	18.6	13.4	9	2	126
Flint, Mich.....	111, 794	27	12.6	.....	4	.....	75
Fort Worth, Tex.....	114, 717	22	10.0	15.9	3	5	.....
Grand Rapids, Mich.....	145, 572	27	9.8	8.9	3	5	46
Houston, Tex.....	150, 087	26	9.0	4.7	3	3	.....
Indianapolis, Ind.....	323, 257	115	18.0	13.1	8	10	59
Jersey City, N. J.....	395, 911	77	13.1	10.2	12	9	77
Kansas City, Kans.....	113, 801	35	16.0	17.1	4	7	87
Kansas City, Mo.....	343, 988	84	12.7	16.3	5	15	.....
Los Angeles, Calif.....	634, 866	166	13.6	14.5	13	20	83
Louisville, Ky.....	256, 877	83	16.8	13.7	8	6	95
Lowell, Mass.....	114, 423	36	16.4	10.5	5	6	88
Lynn, Mass.....	101, 673	16	8.2	.....	2	.....	51
Memphis, Tenn.....	167, 862	71	22.1	16.4	7	5	.....
Milwaukee, Wis.....	476, 603	80	8.8	9.0	6	11	39
Minneapolis, Minn.....	400, 970	85	11.1	10.6	7	4	39
Nashville, Tenn.....	122, 832	39	16.6	12.6	8	1	.....
New Bedford, Mass.....	127, 542	33	13.5	12.9	7	4	100
New Haven, Conn.....	199, 987	32	9.8	8.7	5	1	61
New Orleans, La.....	396, 616	122	15.9	14.7	14	16	.....
New York, N. Y.....	5, 839, 746	1, 242	11.1	10.5	151	140	59
Bronx Borough.....	869, 536	145	9.3	8.4	13	6	44
Brooklyn Borough.....	2, 117, 164	446	11.0	9.3	55	38	57
Manhattan Borough.....	2, 271, 888	584	12.3	12.3	61	81	87
Queens Borough.....	516, 757	82	8.3	9.1	17	14	92
Richmond Borough.....	124, 401	35	14.7	15.5	5	1	.....
Newark, N. J.....	431, 792	93	11.2	10.4	23	16	102
Norfolk, Va.....	124, 915	29	12.1	10.8	7	6	131
Oakland, Calif.....	233, 279	44	9.8	10.8	7	2	87
Omaha, Nebr.....	200, 739	42	10.9	12.4	3	9	33
Paterson, N. J.....	138, 521	34	12.8	12.1	4	4	62
Philadelphia, Pa.....	1, 894, 560	518	14.3	13.1	77	49	92

Deaths from all causes in certain large cities of the United States during the week ended December 2, 1922, infant mortality, annual death rate, and comparison with corresponding week of 1921—Continued.

City.	Estimated population July 1, 1922.	Week ended Dec. 2, 1922.		Annual death rate per 1,000 corresponding week 1921.	Deaths under 1 year.		Infant mortality rate, week ended Dec. 2, 1922. ³
		Total deaths.	Death rate. ¹		Week ended Dec. 2, 1922.	Corresponding week 1921.	
Pittsburgh, Pa.....	607,902	150	12.9	13.6	26	21	86
Portland, Oreg.....	269,240	80	15.5	15.6	12	5	118
Providence, R. I.....	241,011	54	11.7	10.7	7	6	56
Richmond, Va.....	178,365	71	20.8	14.8	11	7	132
Rochester, N. Y.....	311,548	66	11.0	11.1	8	9	61
St. Louis, Mo.....	785,008	184	12.1	11.6	14	16	.....
St. Paul, Minn.....	239,836	47	10.2	10.5	5	4	46
Salt Lake City, Utah.....	123,918	34	14.3	11.1	10	5	153
San Antonio, Tex.....	178,056	50	14.6	.....	14	.....	.....
San Francisco, Calif.....	529,792	139	13.7	14.3	12	8	68
Seattle, Wash.....	* 315,312	47	7.8	9.4	3	5	28
Spokane, Wash.....	104,445	14	7.0	17.5	1	1	20
Springfield, Mass.....	140,052	37	13.8	13.4	3	6	46
Syracuse, N. Y.....	181,012	41	11.8	9.7	3	3	36
Tacoma, Wash.....	100,369	24	12.5	.....	4	.....	95
Toledo, Ohio.....	280,717	55	11.0	13.4	6	6	58
Trenton, N. J.....	125,075	36	15.0	13.2	7	3	108
Washington, D. C.....	* 437,571	132	15.7	15.1	12	15	70
Worcester, Mass.....	188,449	56	15.5	12.4	6	5	65
Yonkers, N. Y.....	105,422	20	9.9	6.1	6	2	124
Youngstown, Ohio.....	144,970	28	10.1	14.2	2	5	26

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.

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 9, 1922.

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

ALABAMA.		COLORADO.	
	Cases.	(Exclusive of Denver.)	Cases
Dengue.....	4	Chicken pox.....	13
Diphtheria.....	27	Diphtheria.....	22
Hookworm disease.....	44	Influenza.....	2
Influenza.....	141	Measles.....	3
Malaria.....	32	Mumps.....	25
Pellagra.....	1	Pneumonia.....	5
Scarlet fever.....	15	Scarlet fever.....	19
Smallpox.....	1	Smallpox.....	11
Tuberculosis.....	10	Tuberculosis.....	2
Typhoid fever.....	7	Typhoid fever.....	16
Whooping cough.....	7	Whooping cough.....	6
ARKANSAS.		CONNECTICUT.	
Chicken pox.....	39	Cerebrospinal meningitis.....	1
Dengue.....	1	Chicken pox.....	66
Diphtheria.....	15	Diphtheria.....	100
Hookworm disease.....	1	Dysentery (amebic).....	1
Influenza.....	35	German measles.....	2
Malaria.....	51	Influenza.....	18
Mumps.....	1	Lethargic encephalitis.....	1
Pellagra.....	4	Measles.....	212
Scarlet fever.....	7	Mumps.....	18
Smallpox.....	1	Pneumonia (lobar).....	35
Tuberculosis.....	24	Scarlet fever.....	87
Typhoid fever.....	23	Septic sore throat.....	1
Whooping cough.....	23	Smallpox.....	1
CALIFORNIA.		Trachoma.....	1
Cerebrospinal meningitis:		Tuberculosis (all forms).....	36
Modesto.....	1	Typhoid fever.....	3
San Francisco.....	1	Whooping cough.....	50
Diphtheria.....	129	FLORIDA.	
Influenza.....	29	Dengue.....	19
Lethargic encephalitis:		Diphtheria.....	30
Palo Alto.....	1	Influenza.....	28
San Francisco.....	1	Malaria.....	13
Measles.....	17	Pneumonia.....	3
Scarlet fever.....	117	Scarlet fever.....	1
Smallpox.....	9	Trichinosis.....	4
Typhoid fever.....	12	Typhoid fever.....	4

MASSACHUSETTS—continued.

	Cases.
Pneumonia (lobar).....	118
Poliomyelitis.....	3
Scarlet fever.....	203
Septic sore throat.....	9
Tuberculosis (all forms).....	110
Typhoid fever.....	8
Whooping cough.....	286

MICHIGAN.

Diphtheria.....	283
Measles.....	55
Pneumonia.....	133
Scarlet fever.....	320
Smallpox.....	38
Tuberculosis.....	52
Typhoid fever.....	28
Whooping cough.....	83

MINNESOTA.

Chicken pox.....	28
Diphtheria.....	132
Measles.....	17
Pneumonia.....	3
Scarlet fever.....	244
Smallpox.....	26
Tuberculosis.....	79
Typhoid fever.....	3
Whooping cough.....	31

MISSISSIPPI.

Cerebrospinal meningitis.....	1
Dengue.....	13
Diphtheria.....	30
Scarlet fever.....	12
Smallpox.....	43
Typhoid fever.....	11

MISSOURI.

Chicken pox.....	35
Diphtheria.....	90
Epidemic sore throat.....	13
Influenza.....	3
Measles.....	2
Mumps.....	2
Pneumonia.....	7
Scarlet fever.....	71
Smallpox.....	7
Tuberculosis.....	2
Typhoid fever.....	5
Whooping cough.....	7

MONTANA.

Diphtheria.....	8
Scarlet fever.....	8
Smallpox.....	4
Typhoid fever.....	2

NEBRASKA.

Cerebrospinal meningitis:	
Omaha.....	1
Seward.....	1
Chicken pox.....	25
Diphtheria:	
Omaha.....	19
Scattering.....	9
Measles.....	2
Mumps.....	3

¹ Deaths.

NEBRASKA—continued.

	Cases.
Scarlet fever.....	47
Smallpox.....	1
Tuberculosis.....	13
Typhoid fever.....	3
Whooping cough.....	1

NEW JERSEY.

Cerebrospinal meningitis.....	3
Chicken pox.....	219
Diphtheria.....	294
Influenza.....	31
Malaria.....	1
Measles.....	556
Pneumonia.....	147
Poliomyelitis.....	1
Scarlet fever.....	175
Trachoma.....	2
Typhoid fever.....	28
Whooping cough.....	163

NEW MEXICO.

Chicken pox.....	19
Diphtheria:	
Albuquerque.....	9
Scattering.....	31
Pneumonia.....	9
Scarlet fever.....	9
Smallpox.....	2
Tuberculosis.....	15
Typhoid fever.....	4

NEW YORK.

(Exclusive of New York City.)

Diphtheria.....	262
Influenza.....	26
Lethargic encephalitis.....	1
Measles.....	225
Pneumonia.....	280
Poliomyelitis.....	3
Scarlet fever.....	313
Smallpox.....	5
Typhoid fever.....	26
Whooping cough.....	294

NORTH CAROLINA.

Cerebrospinal meningitis.....	1
Chicken pox.....	99
Diphtheria.....	137
Measles.....	41
Scarlet fever.....	100
Septic sore throat.....	1
Smallpox.....	47
Typhoid fever.....	10
Whooping cough.....	85

OREGON.

Chicken pox.....	30
Diphtheria:	
Portland.....	10
Scattering.....	22
Measles.....	2
Mumps.....	2
Pneumonia.....	17
Scarlet fever.....	12
Smallpox.....	5
Tuberculosis.....	10
Whooping cough.....	1

SOUTH DAKOTA.	Cases.
Chicken pox.....	11
Diphtheria.....	13
Measles.....	2
Scarlet fever.....	46
Smallpox.....	2
Tuberculosis.....	1

TEXAS.	Cases.
Dengue.....	582
Diphtheria.....	105
Pellagra.....	6
Pneumonia.....	22
Scarlet fever.....	25
Smallpox.....	12
Typhoid fever.....	25

VERMONT.	Cases.
Chicken pox.....	69
Diphtheria.....	5
Mumps.....	3
Pneumonia.....	6
Scarlet fever.....	29
Smallpox.....	1
Typhoid fever.....	1
Whooping cough.....	52

WASHINGTON.	Cases.
Cerebrospinal meningitis:	
Seattle.....	1
Chicken pox.....	68
Diphtheria.....	38
Dysentery (amebic).....	1
Measles.....	7
Mumps.....	49
Pneumonia.....	1
Scabies.....	4
Scarlet fever:	
Spokane.....	12
Scattering.....	30
Smallpox.....	27
Tuberculosis.....	47

WASHINGTON—continued.	Cases.
Typhoid fever.....	6
Whooping cough.....	18

WEST VIRGINIA.	Cases.
Diphtheria.....	36
Scarlet fever.....	28
Typhoid fever.....	6

MILWAUKEE.	Cases.
Chicken pox.....	32
Diphtheria.....	21
Measles.....	785
Ophthalmia neonatorum.....	1
Pneumonia.....	3
Scarlet fever.....	63
Tuberculosis.....	10
Whooping cough.....	22

WISCONSIN.	Cases.
Scattering:	
Cerebrospinal meningitis.....	1
Chicken pox.....	201
Diphtheria.....	99
German measles.....	3
Influenza.....	38
Measles.....	198
Pneumonia.....	12
Scarlet fever.....	142
Smallpox.....	36
Trachoma.....	4
Tuberculosis.....	31
Typhoid fever.....	7
Whooping cough.....	83

WYOMING.	Cases.
Chicken pox.....	8
Diphtheria.....	1
Pneumonia.....	1
Scarlet fever.....	10
Smallpox.....	2
Tuberculosis.....	1

Reports for Week Ended December 2, 1922.

ALABAMA.	Cases.
Cerebrospinal meningitis.....	3
Chicken pox.....	16
Dengue.....	4
Diphtheria.....	52
Hookworm disease.....	173
Influenza.....	70
Malaria.....	14
Pellagra.....	8
Pneumonia.....	10
Scarlet fever.....	14
Smallpox.....	4
Trachoma.....	1
Tuberculosis.....	13
Typhoid fever.....	19

CALIFORNIA.	Cases.
Diphtheria.....	205
Influenza.....	15
Lethargic encephalitis:	
Los Angeles.....	2
Oakland.....	1
San Francisco.....	1

CALIFORNIA—continued.	Cases.
Measles.....	19
Scarlet fever.....	167
Smallpox.....	16
Typhoid fever.....	13

DELAWARE.	Cases.
Chicken pox.....	7
Diphtheria.....	2
Influenza.....	6
Malaria.....	4
Measles.....	4
Pneumonia.....	3
Scarlet fever:	
Wilmington.....	11
Scattering.....	5
Tuberculosis.....	1
Whooping cough.....	6

DISTRICT OF COLUMBIA.	Cases.
Chicken pox.....	10
Diphtheria.....	19
Influenza.....	2

DISTRICT OF COLUMBIA—continued.		Cases.
Lethargic encephalitis.....		2
Measles.....		6
Scarlet fever.....		13
Tuberculosis.....		21
Whooping cough.....		7
ILLINOIS.		
Cerebrospinal meningitis:		
Cook County.....		1
Diphtheria:		
Cook County (including Chicago).....	245	
Chicago.....	231	
Kane County.....	12	
Madison County.....	15	
Sangamon County.....	10	
Wayne County.....	23	
Scattering.....	154	
Influenza.....	14	
Pneumonia.....	195	
Poliomyelitis:		
Chicago.....	3	
Saline County.....	1	
Scarlet fever:		
Cook County (including Chicago).....	82	
Chicago.....	67	
McLean County.....	8	
Macon County.....	8	
Madison County.....	13	
Morgan County.....	13	
Scattering.....	156	
Smallpox:		
Carroll County.....	16	
Whiteside County.....	21	
Scattering.....	24	
Typhoid fever.....	29	
Whooping cough.....	153	
INDIANA.		
Diphtheria.....	209	
Scarlet fever.....	99	
Smallpox.....	21	
Typhoid fever.....	45	
KENTUCKY.		
Cerebrospinal meningitis:		
Jefferson County.....	1	
Chicken pox.....	15	
Diphtheria:		
Jefferson County.....	26	
Scattering.....	37	
Influenza.....	9	
Measles:		
Henderson County.....	24	
Logan County.....	24	
McCracken County.....	57	
Nelson County.....	15	
Scattering.....	6	
Paratyphoid fever.....	1	
Pneumonia.....	18	
Scarlet fever.....	14	
Septic sore throat.....	1	
Trachoma.....	149	
Tuberculosis:		
Jefferson County.....	14	
Scott County.....	1	

KENTUCKY—continued.		Cases.
Typhoid fever:		
Harlan County.....	15	
Scattering.....	6	
Whooping cough.....	9	
MINNESOTA.		
Chicken pox.....	7	
Diphtheria.....	164	
Influenza.....	1	
Measles.....	9	
Scarlet fever.....	220	
Smallpox.....	16	
Tetanus.....	2	
Tuberculosis.....	28	
Typhoid fever.....	4	
Whooping cough.....	1	
MISSISSIPPI.		
Dengue.....	22	
Diphtheria.....	73	
Poliomyelitis.....	1	
Scarlet fever.....	14	
Smallpox.....	4	
Typhoid fever.....	6	
MISSOURI.		
Chicken pox.....	37	
Diphtheria.....	101	
Epidemic sore throat.....	4	
Influenza.....	8	
Measles.....	3	
Mumps.....	1	
Pneumonia.....	3	
Scarlet fever.....	134	
Smallpox.....	9	
Tetanus.....	4	
Tuberculosis.....	18	
Typhoid fever.....	11	
Whooping cough.....	4	
MONTANA.		
Chicken pox.....	22	
Diphtheria.....	10	
Measles.....	2	
Mumps.....	1	
Scarlet fever.....	21	
Smallpox.....	2	
Tuberculosis.....	2	
Typhoid fever.....	2	
NORTH DAKOTA.		
Chicken pox.....	23	
Diphtheria.....	15	
Measles.....	17	
Pneumonia.....	4	
Scarlet fever.....	58	
Smallpox.....	18	
Tuberculosis.....	4	
Typhoid fever.....	2	
Whooping cough.....	1	
WYOMING.		
Chicken pox.....	3	
Diphtheria.....	3	
Scarlet fever.....	1	
Typhoid fever.....	2	

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.
1922.										
Connecticut (November).....	7	391	24	28	645	.....	5	376	3	18
Massachusetts (November).....	15	1,263	57	3	1,164	1	21	809	1	75
Wyoming (September).....	.....	5	4	.....	1	.....	.....	16	2	15
Wyoming (October).....	.....	18	.....	.....	5	.....	.....	13	4	14

Cases of Certain Communicable Diseases Reported for the Month of October, 1922. by State Health Officers.

State.	Number of cases reported.								
	Chicken pox.	Diphtheria.	Measles.	Mumps.	Scarlet fever.	Smallpox.	Tuberculo- sis.	Typhoid fever.	Whooping cough.
Alabama.....	5	174	5	2	71	.....	68	49	.....
Arizona ¹	15	126	1	.....	31	0	55	50	19
Arkansas.....	164	785	64	116	477	23	573	109	197
California.....	131	351	214	73	10	0	139	41	221
Colorado ¹	14	76	2	.....	56	0	85	20	45
Delaware ¹	2	86	.....	1	3	11	79	32	4
District of Columbia.....	15	31	4	.....	12	6	1	25	8
Florida.....	546	1,844	205	114	1,143	75	1,429	273	563
Georgia ².....	.....	776	55	.....	429	38	60	100	.....
Idaho.....	.....	484	3	.....	322	5	.....	(*)	.....
Illinois.....	109	683	52	25	587	12	137	74	49
Indiana.....	.....	109	2	.....	21	14	106	65	15
Iowa.....	22	49	9	14	91	.....	27	32	54
Kansas.....	63	388	83	51	205	2	188	217	156
Kentucky ¹	199	1,026	686	190	554	.....	533	80	634
Louisiana.....	227	1,122	59	36	1,081	39	388	173	243
Maine.....	189	633	17	.....	843	90	281	89	80
Maryland.....	150	511	163	57	88	41	233	164	474
Massachusetts.....	63	25	1	.....	50	42	12	15	8
Michigan.....	51	290	2	20	249	9	7	28	14
Minnesota.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mississippi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Missouri ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montana.....	62	25	1	.....	50	42	12	15	8
Nebraska.....	51	290	2	20	249	9	7	28	14
Nevada ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Hampshire ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Jersey.....	165	939	400	.....	337	1	463	104	466
New Mexico.....	19	117	2	4	35	.....	108	94	12
New York.....	665	1,496	463	323	1,126	42	1,990	362	1,217
North Carolina.....	111	1,988	214	.....	645	30	.....	131	363
North Dakota.....	57	90	3	.....	87	42	12	31	24
Ohio ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oklahoma.....	1	67	6	.....	32	3	31	26	.....
Oregon.....	27	41	10	6	44	63	38	44	23
Pennsylvania.....	926	2,160	2,553	160	1,419	1	501	473	790
Rhode Island.....	5	89	231	4	23	.....	43	6	44
South Carolina.....	4	549	6	2	47	2	6	25	15
South Dakota.....	13	116	8	.....	207	28	20	29	1
Tennessee ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Texas ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Utah ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont.....	87	62	5	1	74	0	20	6	110
Virginia.....	194	1,448	92	.....	559	2	232	184	.....
Washington.....	148	112	18	42	120	18	86	156	95
West Virginia.....	64	477	37	.....	344	20	28	168	30
Wisconsin.....	324	404	1,194	.....	712	109	213	48	375
Wyoming ¹.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Report for October not received.
² Reports received weekly.

* Not notifiable.
 * Reports received annually.

Reported Cases per 1,000 Population (Annual Basis) for the Month of October, 1922.

State.	Case rates per 1,000 population.								
	Chicken pox.	Diphtheria.	Measles.	Mumps.	Scarlet fever.	Smallpox.	Tuberculosis.	Typhoid fever.	Whooping cough.
Alabama	0.02	0.85	0.02	0.01	0.35	0.00	0.33	0.24	.....
Arizona ¹									
Arkansas	.10	.83	.01		.20	.00	.36	.33	0.12
California	.52	2.50	.20	.37	1.52	.07	1.82	.35	.63
Colorado ¹									
Connecticut	1.06	2.85	1.74	.59	.08	.00	1.12	.33	1.80
Delaware ¹									
District of Columbia	.35	1.92	.05		1.42	.00	2.15	.51	1.14
Florida	.02	.99		.01	.03	.13	.91	.37	.05
Georgia ²									
Idaho	.38	.79	.10		.31	.15	.03	.64	.21
Illinois	.96	3.24	.36	.20	2.01	.13	2.51	.48	.99
Indiana		3.06	.22		1.69	.15	.24	.39	
Iowa		2.33	.01		1.55	.02		(²)	
Kansas	.72	4.49	.34	.16	3.86	.08	.90	.49	.32
Kentucky ²		.70	.01		.13	.09	.68	.42	.10
Louisiana		.74	.14	.21	1.38		.41	.49	.82
Maine	.33	3.07	.66	.40	1.62	.02	1.49	1.72	1.25
Maryland	.50	3.04	2.03	.56	1.64	.00	1.58	.24	1.88
Massachusetts	.59	3.40	.18	.11	3.27	.12	1.17	.52	1.07
Michigan	.69	3.02	.08		4.02	.43	1.34	.42	.38
Minnesota	.99	3.36	1.07	.37	.58	.27	1.53	1.06	3.12
Mississippi ²									
Missouri ²									
Montana	1.23	.50	.02		.99	.83	.24	.30	.16
Nebraska	.45	2.58	.02	.18	2.22	.08	.06	.25	.12
Nevada ⁴									
New Hampshire ⁴									
New Jersey	.59	3.33	1.42		1.20	.00	1.64	.37	1.73
New Mexico	.61	3.73	.06	.13	1.12	.00	3.45	3.00	.38
New York	.75	1.64	.51	.36	1.24	.05	2.12	.33	1.24
North Carolina	.49	8.83	.95		2.87	.13		.58	1.61
North Dakota	1.01	1.59	.05		1.54	.74	.21	.55	.43
Ohio ¹									
Oklahoma	.01	.37	.03		.18	.02	.17	.14	.....
Oregon	.39	.59	.15	.09	.64	.91	.55	.64	.33
Pennsylvania	1.21	2.83	3.34	.21	1.86	.00	.66	.62	1.03
Rhode Island	.09	1.69	4.38	.08	.44	.00	.82	.11	.84
South Carolina	.03	3.74	.04	.01	.32	.01	.04	.17	.01
South Dakota	.24	2.10	.14		3.75	.51	.36	.58	.27
Tennessee ⁴									
Texas ²									
Utah ⁴									
Vermont	2.91	2.07	.17	.03	2.47	.00	.67	.20	3.67
Virginia	.96	7.18	.46		2.77	.01	1.15	.91	.....
Washington	1.23	.93	.15	.35	1.00	.15	.55	1.30	.79
West Virginia	.49	3.68	.29		2.65	.15	.22	1.39	.23
Wisconsin	1.41	1.76	5.19		3.09	.47	.93	.21	1.63
Wyoming ¹									

¹ Report for October not received.
² Reports received weekly.

³ Not notifiable.
⁴ Reports received annually.

TYPHOID FEVER IN SUSSEX COUNTY, N. J.

From November 24 to December 4, 1922, 81 cases of typhoid fever were reported at Franklin Borough, Sussex County, N. J. The outbreak was said to be due to the admission of untreated river water into the borough mains through a defective check valve.

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922.

ANTHRAX.

City.	Cases.	Deaths.
Pennsylvania: Philadelphia	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 Nov. 25, 1922.		City.	Median for previous years.	Week ended Nov. 25, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Massachusetts:			
Birmingham	0	1	1	Boston	1	1	.....
California:				Fall River	0	2	1
Los Angeles	0	1	.....	Gardner	0	1	.....
Georgia:				Missouri:			
Atlanta	0	1	1	Kansas City	0	1	.....
Illinois:				New Jersey:			
Chicago	1	1	1	Plainfield	0	1	.....
Springfield	0	1	1	New York:			
Indiana:				New York:	5	1	2
Indianapolis	0	.....	1	Saratoga Springs	0	1	.....
Muncie	0	.....	1	Schenectady	0	1	.....
Louisiana:				Ohio:			
New Orleans	0	1	1	Cleveland	0	.....	1
Maryland:				Rhode Island:			
Baltimore	1	2	2	Providence	0	1	1

DENGUE.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Georgia:			South Carolina:		
Macon	25	.....	Charleston	3	.....
Louisiana:					
New Orleans	45	.....		

DIPHTHERIA.

See p. 3115; also Current State summaries, p. 3103, and Monthly summaries by States, p. 3107.

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.

INFLUENZA.

City.	Cases.		Deaths, week ended Nov. 25, 1922.	City.	Cases.		Deaths, week ended Nov. 25, 1922.
	Week ended Nov. 26, 1921.	Week ended Nov. 25, 1922.			Week ended Nov. 26, 1921.	Week ended Nov. 25, 1922.	
Alabama:				Massachusetts—Contd.			
Birmingham		1	1	Everett	2	1	
Dothan		8	1	Haverhill	1	4	
Arkansas:				Lowell	1		
Little Rock	2			Malden		1	
California:				Springfield		2	1
Alameda	1			Michigan:			
Long Beach		1		Detroit	1	2	2
Los Angeles	5	4	1	Minnesota:			
Oakland		1		Minneapolis			1
San Francisco	2	4	2	Missouri:			
Connecticut:				Kansas City		2	3
New Britain	1			Montana:			
New London		1		Great Falls		3	
District of Columbia:				New Jersey:			
Washington	2	1	1	Clifton	1		
Florida:				East Orange	2		
Tampa	11			Garfield		1	
Georgia:				Montclair	1		
Albany	5			Newark	3		
Atlanta		1		Trenton	1		
Augusta		8		New York:			
Rome	2			Albany	3	4	
Illinois:				Lackawanna		1	
Chicago	15	6	2	Mount Vernon	1		
Cicero	1			New York	20	41	11
East St. Louis	1			Schenectady	1		
Indiana:				Ohio:			
Hammond			1	Cleveland	1	1	1
Kansas:				Columbus		2	
Kansas City		1		Oregon:			
Kentucky:				Portland		1	
Louisville	2	2		Pennsylvania:			
Louisiana:				Philadelphia	2	3	6
New Orleans	1			Tennessee:			
Maryland:				Memphis	1		
Baltimore	6	31	2	Virginia:			
Massachusetts:				Richmond			1
Boston	2	2		Roanoke	1	1	
Cambridge	1			Wisconsin:			
Clinton		1		Kenosha	1		

LEPROSY.

City.	Cases.	Deaths.
California:		
San Francisco	1	

LETHARGIC ENCEPHALITIS.

Minnesota:		
Minneapolis	1	1

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.

MALARIA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Louisiana:		
Birmingham.....	1	.....	New Orleans.....	4	.....
Montgomery.....	1	.....	New Jersey:		
Florida:			East Orange.....	1	.....
St. Petersburg.....	1	.....	Trenton.....	2	.....
Tampa.....	2	.....	New York:		
Georgia:			New York.....	1	.....
Augusta.....	.....	1			
Brunswick.....	1	.....		
Macon.....	4	.....		
Savannah.....	3	.....		

MEASLES.

See p. 3115; also Current State summaries, p. 3103, and Monthly summaries by States, p. 3107.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			South Carolina:		
Mobile.....	.....	1	Charleston.....	.....	2
Georgia:			Tennessee:		
Savannah.....	.....	1	Nashville.....	.....	1
North Carolina:			Texas:		
Charlotte.....	.....	1	Waco.....	.....	1
Winston-Salem.....	1	1			

PNEUMONIA (ALL FORMS).

Alabama:			Illinois—Continued.		
Birmingham.....	.....	4	Mattoon.....	2	.....
Dothan.....	3	.....	Oak Park.....	4	2
Montgomery.....	.....	3	Peoria.....	4	1
Arkansas:			Quincy.....	.....	1
Little Rock.....	1	.....	Rockford.....	8	.....
California:			Springfield.....	.....	1
Alameda.....	.....	2	Indiana:		
Eureka.....	.....	1	Crawfordsville.....	.....	1
Glendale.....	.....	1	East Chicago.....	.....	2
Long Beach.....	.....	1	Hammond.....	.....	1
Los Angeles.....	20	14	Indianapolis.....	.....	9
Oakland.....	10	2	Logansport.....	.....	1
Riverside.....	.....	1	Muncie.....	.....	2
Sacramento.....	6	3	South Bend.....	.....	2
San Bernardino.....	2	.....	Terre Haute.....	.....	3
San Diego.....	.....	1	Iowa:		
San Francisco.....	9	5	Burlington.....	2	.....
Stockton.....	.....	2	Kansas:		
Vallejo.....	1	.....	Fort Scott.....	.....	1
Colorado:			Kansas City.....	6	.....
Denver.....	.....	8	Lawrence.....	.....	1
Pueblo.....	.....	5	Topeka.....	.....	1
Connecticut:			Wichita.....	2	1
Bridgeport.....	4	3	Kentucky:		
Fairfield.....	.....	1	Covington.....	.....	5
Greenwich.....	1	.....	Louisville.....	3	7
Meriden.....	1	.....	Louisiana:		
New Haven.....	.....	5	New Orleans.....	9	8
Norwalk.....	.....	2	Maine:		
District of Columbia:			Bangor.....	1	.....
Washington.....	.....	11	Biddeford.....	.....	3
Georgia:			Lewiston.....	.....	3
Atlanta.....	.....	9	Portland.....	.....	1
Augusta.....	.....	5	Maryland:		
Brunswick.....	1	.....	Baltimore.....	40	22
Savannah.....	.....	3	Cumberland.....	1	.....
Valdosta.....	2	.....	Massachusetts:		
Illinois:			Arlington.....	1	.....
Alton.....	1	.....	Attleboro.....	.....	1
Atmore.....	.....	2	Boston.....	36	29
Blue Island.....	.....	1	Brookline.....	1	.....
Chicago.....	139	49	Cambridge.....	5	1
Cicero.....	.....	1	Chelsea.....	4	1
Elgin.....	.....	1	Chicopee.....	.....	1
Evanston.....	1	.....	Clinton.....	2	.....
Jacksonville.....	.....	1	Everett.....	2	1

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.
PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Massachusetts—Continued.			New York—Continued.		
Fall River.....	7	4	Middletown.....	2	1
Frammingham.....	2	1	Newburgh.....		3
Haverhill.....	3		New York.....	288	163
Holyoke.....		4	Niagara Falls.....		2
Lawrence.....		1	Olean.....	1	
Lowell.....		3	Peekskill.....		1
Lynn.....		2	Port Chester.....	2	
Malden.....		3	Poughkeepsie.....	3	
Medford.....		2	Rochester.....	11	3
Methuen.....		1	Rome.....	3	
New Bedford.....		6	Saratoga Springs.....	1	
Newton.....		1	Schenectady.....	7	2
Pittsfield.....		1	Syracuse.....	10	4
Quincy.....		1	Troy.....	15	8
Salem.....	4	3	Watertown.....	2	
Somerville.....		1	White Plains.....	3	
Southbridge.....	1		Yonkers.....		2
Springfield.....	5	2	North Carolina:		
Taunton.....		1	Charlotte.....		2
West Springfield.....		1	Greensboro.....		2
Winthrop.....	1		Raleigh.....		2
Worcester.....		6	Rocky Mount.....		1
Michigan:			Wilmington.....		1
Ann Arbor.....		2	Winston-Salem.....		2
Battle Creek.....	2		North Dakota:		
Detroit.....	70	26	Grand Forks.....	1	
Grand Rapids.....	5	2	Ohio:		
Hamtramck.....		2	Akron.....	2	
Highland Park.....	4	1	Alliance.....		1
Kalamazoo.....	5	4	Barberton.....	1	
Muskegon.....	2		Canton.....		2
Pontiac.....		1	Cincinnati.....		13
Port Huron.....		1	Cleveland.....	23	19
Minnesota:			Columbus.....		5
Duluth.....	8	3	Dayton.....	1	
Faribault.....		1	Lancaster.....		1
Minneapolis.....		4	New Philadelphia.....	1	
St. Paul.....		6	Newark.....		1
Winona.....		1	Piqua.....	1	
Missouri:			Springfield.....		4
Kansas City.....	11	2	Toledo.....		2
St. Joseph.....		1	Zanesville.....		1
Montana:			Oklahoma:		
Great Falls.....		3	Oklahoma.....		3
Missoula.....		1	Oregon:		
Nebraska:			Portland.....		2
Lincoln.....		2	Pennsylvania:		
Omaha.....		9	Philadelphia.....	94	69
New Hampshire:			Rhode Island:		
Berlin.....		3	Pawtucket.....		3
New Jersey:			Providence.....		5
Atlantic City.....		2	South Carolina:		
Bayonne.....	2		Charleston.....		2
Bloomfield.....	1		Tennessee:		
Clifton.....		1	Memphis.....		5
East Orange.....	2		Nashville.....		3
Elizabeth.....		2	Texas:		
Garfield.....	2		Beaumont.....		4
Hackensack.....		1	Dallas.....		2
Hoboken.....		5	El Paso.....		7
Jersey City.....	9		Fort Worth.....		1
Montclair.....	2		Houston.....		4
Morristown.....	1		Utah:		
Orange.....	2		Salt Lake City.....		8
Passaic.....		2	Vermont:		
Paterson.....	7		Rutland.....		1
Perth Amboy.....		4	Virginia:		
Phillipsburg.....		1	Alexandria.....	1	
Plainfield.....	2	1	Norfolk.....		1
Summit.....		1	Richmond.....		9
Trenton.....	11	4	Roanoke.....		1
West New York.....		1	West Virginia:		
New York:			Morgantown.....	3	
Albany.....	7		Wheeling.....		2
Auburn.....		1	Wisconsin:		
Buffalo.....	19	10	Beloit.....	3	
Cohoes.....	1		Janesville.....		2
Cortland.....		1	Kenosha.....		1
Ithaca.....	1		La Crosse.....		1
Jamestown.....	2	1	Milwaukee.....	2	
Lackawanna.....	2		West Allis.....	1	
Lockport.....		1			

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.

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 Nov. 25, 1922.		City.	Median for previous years.	Week ended Nov. 25, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				New York:			
Birmingham.....	0		1	Elmira.....	0	2	
California:				New York:	3	6	1
Long Beach.....	0	1		Niagara Falls.....	0	1	
Connecticut:				Rochester.....	0		1
New London.....	0		1	Syracuse.....	0	1	1
Illinois:				North Carolina:			
Chicago.....	0	1		Wilmington.....	0	1	
Maryland:				Rhode Island:			
Baltimore.....	6	4		Providence.....	0	1	
Massachusetts:							
Boston.....	0	5					
Lawrence.....	0	1					

RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
California:		Tennessee:	
Los Angeles.....	11	Memphis.....	1
Massachusetts:		Texas:	
Methuen.....	1	Beaumont.....	2
Salem.....	1	West Virginia:	
Missouri:		Motgantown.....	3
Kansas City.....	1		

SCARLET FEVER.

See p. 3115; also Current State summaries, p. 3103, and Monthly summaries by States, p. 3107.

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 Nov. 25, 1922.		City.	Median for previous years.	Week ended Nov. 25, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Nebraska:			
Los Angeles.....	1	3		Omaha.....	5	1	1
San Francisco.....	0	5		North Dakota:			
Colorado:				Grand Forks.....	1	2	
Denver.....	12	34	21	Ohio:			
Illinois:				Bueyrus.....	0	1	
Alton.....	0	1		Oregon:			
Freeport.....	0	6		Portland.....	8	5	
Indiana:				Utah:			
Indianapolis.....	3	1		Salt Lake City.....	2	1	
Maine:				Washington:			
Lewiston.....	0	1		Bellingham.....	0	1	
Michigan:				Spokane.....	27	2	
Highland Park.....	0	1		Wisconsin:			
Minnesota:				Ashland.....	0	6	
Duluth.....	1	11		Superior.....	0	18	
Minnesota:							
Mirneapolis.....	7	3					
Montana:							
Great Falls.....	1	1					

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.
TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			Ohio:		
Los Angeles.....	1	1	Lima.....		1
Florida:			Texas:		
Tampa.....	1	1	Galveston.....		1
Missouri:			West Virginia:		
Kansas City.....	1		Charleston.....		1

TUBERCULOSIS.

See p. 3115; also Current State summaries, p. 3103.

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 Nov. 25, 1922.		City.	Median for previous years.	Week ended Nov. 25, 1922.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Nebraska:			
Dothan.....		1		Omaha.....	0	1	
California:				New Jersey:			
Eureka.....	0	2	1	Bayonne.....	0	1	
Long Beach.....		3		East Orange.....	0	1	
Los Angeles.....	2	3		Elizabeth.....	0		1
Sacramento.....	0	1		New York:			
San Bernardino.....	0	1		Auburn.....	0	1	
Colorado:				Buffalo.....	2		2
Fueblo.....	0	2		Elmira.....	0	1	
District of Columbia:				New York.....	22	25	2
Washington.....	1	2	1	Newburgh.....	0	1	
Georgia:				Niagara Falls.....	0	1	
Atlanta.....	1		1	Rochester.....	1		1
Augusta.....	0	1		Rome.....	0	1	
Brunswick.....	0	1	1	Troy.....	0	2	
Savannah.....	1	1		Ohio:			
Illinois:				Barberton.....	0	1	
Chicago.....	7	2		Cleveland.....	2	5	
Jacksonville.....	0		1	Columbus.....	0	1	
Peoria.....	0		1	East Youngstown.....			1
Indiana:				Lima.....	0	1	
Indianapolis.....	0		2	Piqua.....	0	5	
Logansport.....	0		1	Sandusky.....	0	1	1
Iowa:				Oklahoma:			
Mason City.....	0	1		Tulsa.....	1	1	
Kansas:				Pennsylvania:			
Atchison.....	0	1		Butler.....	0	1	
Kansas City.....	0	1		Carlisle.....	0	1	
Wichita.....	1	1		Easton.....	0	1	
Kentucky:				Harrisburg.....	1	1	
Louisville.....	0	1		Philadelphia.....	6	5	1
Louisiana:				Pittston.....	0	2	
New Orleans.....	2	6	2	Sharon.....	0	1	
Maine:				York.....	0	1	
Biddeford.....	0		1	Rhode Island:			
Portland.....	0	1		Providence.....	1	2	
Maryland:				South Carolina:			
Baltimore.....	4	6	1	Greenville.....	0	2	
Massachusetts:				South Dakota:			
Boston.....	3	4		Sieus Falls.....	0	1	
Cambridge.....	1	1	1	Tennessee:			
Fall River.....	1		1	Memphis.....	1	1	
Lawrence.....	0	2		Texas:			
Lynn.....	0	2		Beaumont.....	0		1
Malden.....	0	1		El Paso.....	0	1	
Medford.....	0	1		Galveston.....	0	1	
New Bedford.....	0	1		Virginia:			
Southbridge.....	0	2		Roanoke.....	0	1	
Taunton.....	0	1		Washington:			
Michigan:				Everett.....	0	2	
Detroit.....	5	5	2	Seattle.....	1	3	
Marquette.....	0	1	1	West Virginia:			
Minnesota:				Charleston.....	0		1
Duluth.....	0	1		Fairmont.....	0	1	
Faribault.....			1	Huntington.....	1		1
St. Cloud.....	0	1		Wheeling.....	1	1	
Missouri:				Wisconsin:			
Kansas City.....	0	1		La Crosse.....	0	1	
St. Louis.....	4	1		Marinette.....	0	2	
Montana:				Racine.....	0	1	
Billings.....	0	2	1				

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.

DIPHThERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,806	45	12				5	1	8	5
Dothan.....	10,034		1						1	
Mobile.....	60,777	12	7				3			1
Montgomery.....	43,464	14	1		1					
Tuscaloosa.....	11,996		3				1			
Arkansas:										
Little Rock.....	65,142		1				1		2	
North Little Rock.....	14,048		2				5		2	
California:										
Alameda.....	28,806	5	2				3			2
Eureka.....	12,923	7					2			
Glendale.....	13,536	13								1
Long Beach.....	55,593	20	1							2
Los Angeles.....	576,673	183	59	3	4		29		66	17
Oakland.....	216,261	57	15	3			10		3	5
Pasadena.....	45,354	18								2
Richmond.....	16,843	4	1						1	
Riverside.....	19,341	7	3				3			1
Sacramento.....	65,908	15	10				6		3	
San Bernardino.....	18,721	7						1		2
San Diego.....	74,683	25	13				15		2	3
San Francisco.....	506,676	150	29	2	4		15		37	13
Stockton.....	40,296	14	3		1				1	
Vallejo.....	21,107	1								
Colorado:										
Denver.....	256,491	93	57	2	3		20			4
Greeley.....	10,958	4								
Pueblo.....	43,050	12	19						6	1
Connecticut:										
Bridgeport.....	143,555	28	21	1	3		5		6	1
Derby.....	11,238	5								
Fairfield (town).....	11,475	2			7		3			
Greenwich (town).....	22,123						2		1	
Manchester (town).....	18,370	3								
Meriden (city).....	29,867	0	3		1		2			
Milford (town).....	10,193	2			2				2	
New Haven.....	162,537	38	4		8		1		20	2
New London.....	25,688	7	1							
Norwalk.....	27,743	6								1
Willimantic (city).....	12,330	3	1							
District of Columbia:										
Washington.....	437,571	126	36	4	1		9		28	8
Florida:										
St. Petersburg.....	14,237	3	3							
Tampa.....	51,608	14	5						1	
Georgia:										
Albany.....	11,555						1			
Atlanta.....	200,616	68	9	1			6			6
Augusta.....	52,548	19	1							1
Brunswick.....	14,413	5								1
Macon.....	52,995		5						1	
Rome.....	13,252		1				1			
Savannah.....	83,252	31	3							3
Valdosta.....	10,783	2	1							
Idaho:										
Boise.....	21,393	1								
Illinois:										
Alton.....	24,682	9	5				2			1
Aurora.....	36,397	12	13				2			1
Blue Island.....	11,424	5	1				1			
Centralia.....	12,491	3								
Chicago.....	2,701,705	585	254	13	130	4	97	2	191	43
Cicero.....	44,995	6					2			
East St. Louis.....	66,767	9	6				2		1	
Elgin.....	27,454	4	1				1			1
Evanston.....	37,234	9			1		1			
Forest Park.....	10,768		1							
Freeport.....	19,669	8	4				3			
Jacksonville.....	15,713	7	1				1			
Kewanee.....	16,026	5	1		1		4			
Mattoon.....	13,552	7	4							
Oak Park.....	39,858	12	1	1	1		4			

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 1922—Continued.

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

City.	Popu- lation Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Beverly	22,561	3			1					
Boston	748,060	228	70	4	45		55	1	40	13
Braintree (town)	10,580	1			2		2			
Brookline	37,748	10	6	2			1		1	
Cambridge	109,694	21	4	1	3		5		4	2
Chelsea	43,184	9	3		25		3		1	
Chicopee	36,214	4								
Clinton	12,979	1					1			
Danvers	11,108		1							
Dedham	10,792	1								
Everett	40,120	12	1		3				2	
Fall River	120,485	55	25	5	110	7	1		8	1
Frammingham	17,033	5	2						1	
Gardner	16,971	5	2				1		1	
Greenfield	15,462	3								
Haverhill	53,884	18					6		1	2
Holyoke	60,203	15	9	1			1		1	1
Lawrence	94,270	22	4		2		2		4	1
Leominster	19,744	1								
Lowell	112,759	26	8	1	3		2		3	
Lynn	99,148	28	8	1	6		7		2	1
Malden	49,103	18	1	2			1		2	
Medford	39,038	6	2		2		3			1
Melrose	18,204	3								
Methuen	15,189	5								
New Bedford	121,217	29	5		21		7		3	1
Newburyport	15,618	2			5		1		1	
Newton	46,054	10			1		10			
North Adams	22,282	7								
Northampton	21,951	12	1				5			
Pittsfield	41,753	6	3				7		4	
Plymouth	13,045	3								
Quincy	47,876	10	3		7		3		2	1
Salem	42,529	13	5	1	2					
Somerville	93,091	13	2		6		7		3	
Southbridge	14,245	1	2	1						
Springfield	129,614	28	2		1		6		7	2
Taunton	37,137	11	2		2		3		1	1
Wakefield	13,025	3	1				4		2	
Waltham	30,915	4	6				9		3	
West Springfield	13,443	3								
Westfield	18,604	2	3							
Winthrop	15,455	0								
Woburn	16,574	5								1
Worcester	179,754	40	12				19	1	10	3
Michigan:										
Alpena	11,101						4			
Ann Arbor	19,516	11	4							
Battle Creek	36,164		13				6			
Benton Harbor	12,233	1	2		1		7			
Detroit	993,678	205	90	3	19		86		29	14
Flint	91,599	14	25		2		23		6	
Grand Rapids	137,634	32	14	1	4		9		2	
Hamtramck	48,615	4	5				1			
Highland Park	46,499	19	1				8			
Kalamazoo	48,487	25	19	1			1		1	
Marquette	12,718	4					4			
Marquette	36,570	4	18				1			1
Montic	34,273	4	7				2			
Port Huron	25,944	4	0							
Sault Ste. Marie	12,096	4	5							
Minnesota:										
Duluth	98,917	14	3		2		8		2	1
Faribault	11,089	4								
Hibbing	15,089		1				7			
Minneapolis	380,582	82	48	1	3		52		41	4
Rochester	13,722	13	1	1					1	1
St. Cloud	15,873		5				2			
St. Paul	234,698	54	31	1	1		63	1	7	2
Winona	19,143	4	1				1			
Missouri:										
Kansas City	324,410	80	22	2			13		3	3
St. Joseph	77,939	28	3				6			3
St. Louis	772,897	184	54	2	3		30	2	32	12

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 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.
Montana:										
Anaconda	11,668	1								
Billings	15,100	7	1				2			
Great Falls	24,121	7				1				
Missoula	12,668	9			1		3			
Nebraska:										
Lincoln	54,948	15	6							
Omaha	191,601	49	22	1			8			2
Nevada:										
Reno	12,016	7								1
New Hampshire:										
Berlin	16,104	5								
Dover	13,029	6								
Keene	11,210	3					2			
Nashua	28,379	4								
New Jersey:										
Asbury Park	12,400	3	1						2	
Atlantic City	50,707	16			24					1
Bayonne	76,754		7				1		2	
Bloomfield	22,019	4			1		3		1	
Clifton	26,470	4	3		2		2			
East Orange	50,710				3		1		2	
Elizabeth	95,783		26		31		7	1	2	2
Englewood	11,627	3								
Garfield	19,381	2	5		8				1	1
Hackensack	17,667	2					2			
Hoboken	68,166	20	9				2		2	
Jersey City	298,103		28				9		12	
Montclair	28,810	2	1						1	
Morristown	12,548	7	1		15					
Orange	33,268	3	2		8				1	
Passaic	63,841	7	8		20	1	7			
Paterson	135,875		6		2		4		2	
Perth Amboy	41,707	10	5	1			2			1
Phillipsburg	16,923	6							2	1
Plainfield	27,700	5	1							
Summit	10,174	2							1	
Trenton	119,289	45	47	3	3		7		2	1
Union (town)	20,651						3		2	
West Hoboken	40,074	9	1	1						2
West New York	29,926	2	1	1					1	
West Orange	15,573	2			40		6			
New Mexico:										
Albuquerque	15,157	7	3						6	1
New York:										
Albany	113,324		5				5		6	1
Auburn	36,192	9	2				1			1
Buffalo	506,775	132	21	1	10		28		28	9
Cohoes	22,987	4					1			1
Cortland	13,294	4								
Elmira	45,393						2			
Geneva	14,648	1								
Glens Falls	16,638	7	1							
Hornell	15,025	2								
Hudson	11,745	2							1	1
Ithaca	17,004	3					2			
Jamestown	38,917	12	5	1	2					
Lackawanna	17,918	3					2			
Little Falls	13,029	4								
Lockport	21,308	7								
Middletown	18,420						1			
New York	5,620,048	1,233	196	13	59	1	137	3	230	103
Newburgh	30,366	11					2		1	2
Niagara Falls	50,760	9	3				4			
Olean	20,506	8	2							
Peekskill	15,868	4	2				4			1
Plattsburg	10,909	5								
Port Chester	16,573	4								
Poughkeepsie	35,000	4	1						1	1
Rochester	295,750	62	9	1	29					1
Rome	26,341	7	5				11			1
Saratoga Springs	13,181	6								
Schenectady	88,723	11	5		1		28		1	

¹ Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 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.										
Syracuse.....	171,717	41	20	2	1		10	1	3	1
Troy.....	72,013	34	2			2		7	1	
Watertown.....	31,285	9	1			1				
White Plains.....	21,031	8	1					1		
Yonkers.....	100,176	22	3		1	3				
North Carolina:										
Charlotte.....	46,338	21								
Durham.....	21,719	6	1			1		2	1	
Greensboro.....	15,861	5								
Raleigh.....	24,418	12	2			4			1	
Rocky Mount.....	12,742	11							1	
Salisbury.....	13,884	4							1	
Wilmington.....	33,372	9				2		1	1	
Winston-Salem.....	48,395	16	4					5	1	
North Dakota:										
Fargo.....	21,961	1			1	3				
Grand Forks.....	14,010					1		3		
Ohio:										
Akron.....	208,435	18	18		1	7				
Alliance.....	21,603	7				1		2	2	
Ashtabula.....	22,082	2	2							
Barberton.....	18,811	3				1				
Bucyrus.....	10,425	5								
Cambridge.....	13,104	6	1			2		1	1	
Canton.....	87,091	16	14	1	18	7			1	
Chillicothe.....	15,831	4	4			3	1			
Cincinnati.....	401,247	117	28	2	3	12		12	19	
Cleveland.....	796,841	163	87	8	5	76	1	28	9	
Cleveland Heights.....	15,236				1	1		2		
Columbus.....	237,031	63	13	1	14	10		2	4	
Coshocton.....	10,847					1				
Dayton.....	152,559	40	12			11		1		
East Cleveland.....	27,282	4							1	
East Youngstown.....	11,237	2								
Findlay.....	17,021	3	1		2					
Kenmore.....	12,683						3			
Lancaster.....	14,703	12								
Lima.....	41,328	3	5		2				1	
Lorain.....	37,205		8			3				
Mansfield.....	27,824	4	4		1	2			1	
Martins Ferry.....	11,634	3	1	1						
Middletown.....	23,594	8				1			1	
New Philadelphia.....	10,718		4		1	1				
Newark.....	26,718	8	2							
Niles.....	13,080	2	1			1				
Norwood.....	24,966	1				1				
Piqua.....	15,044	8				1				
Salem.....	10,305	4				1				
Sandusky.....	22,497	2	2			4				
Springfield.....	60,840	20	1		1	3			2	
Stuebenville.....	28,508	8				1				
Tiffin.....	14,375	2				1				
Toledo.....	243,164	61	47	1	164	3	25		4	
Youngstown.....	132,358	25	59	6	2	7			1	
Zanesville.....	29,569	13	2		20	1	1			
Oklahoma:										
Oklahoma.....	91,295	23	4			7		2	1	
Tulsa.....	72,075		8		1	7				
Oregon:										
Portland.....	258,288	55	8	2	1	6		6	2	
Pennsylvania:										
Allentown.....	73,502		9		14	2		4		
Alltoona.....	60,331		7							
Ambridge.....	12,730		2		6	4				
Beaver Falls.....	12,402		1		5	3				
Bethlehem.....	50,358		8			3				
Bradford.....	20,879		1		27	2				
Bradford.....	15,525		3			1				
Butler.....	10,273		1				4			
Canonsburg.....	23,778		4		6					
Carbondale.....	10,632		3							
Carnegie.....	18,640		2							
Carnegie.....	11,516		1							

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 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.
Pennsylvania—Continued.										
Chambersburg.....	13, 171						5			
Charleroi.....	11, 516					3				
Chester.....	58, 030				20	1				
Coatesville.....	14, 515		1		42				8	
Dickson.....	11, 049				3					
Dubois.....	13, 681		3				1			
Duquesne.....	19, 011		1		5		1			
Kaston.....	33, 813		2		1		1			
Erie.....	93, 372		9				5		19	
Farrell.....	15, 536						2			
Greensburg.....	15, 033						1			
Harrisburg.....	75, 917		3				19			
Hazleton.....	32, 277		3				1			
Homestead.....	20, 452		1		2		1			
Johnstown.....	67, 327						1			
Lancaster.....	53, 150		1				12		3	
Lebanon.....	24, 643		1				4			
McKees Rocks.....	16, 713		8		2		1		2	
McKeesport.....	46, 781		1							
Monessen.....	18, 179		7				1			
Mount Carmel.....	17, 469		1		1		2			
Nanticoke.....	22, 614		1							
New Castle.....	44, 938		3				2			
New Kensington.....	11, 987						2			
Norristown.....	32, 319		2		78		3			
North Braddock.....	14, 925				24		1			
Oil City.....	21, 274						9			
Philadelphia.....	1, 823, 779	490	88	8	2, 223	26	39	1	77	38
Pittsburgh.....	588, 343		62		93		59		7	
Pittston.....	18, 497		1							
Plymouth.....	16, 500		1		1					
Pottsville.....	21, 876		1							
Reading.....	107, 784		11		42		2		2	
Scranton.....	137, 783		4		1		1			
Shamokin.....	21, 204		1		2		1			
Sharon.....	21, 747				4		1			
Shenandoah.....	24, 726		1							
Steelton.....	13, 428		1		16		1			
Sunbury.....	15, 721		1		2		1			
Swissvale.....	10, 908		3		1		3			
Tamaqua.....	12, 363				1					
Uniontown.....	15, 692		3				2			
Washington.....	21, 480		2		2		1			
West Chester.....	11, 717				1					
Wilkes-Barre.....	73, 833		3				1			
Wilkesburg.....	24, 403		1				3			
Williamsport.....	36, 198		3		1		3			
Woodlawn.....	12, 495		1		20					
York.....	47, 512		3				13			
Rhode Island:										
Cranston.....	29, 407	3	1		3					
Newport.....	30, 255	9			4					
Pawtucket.....	64, 248	19								
Providence.....	237, 595	55	10	2	38		4			2
South Carolina:										
Charleston.....	67, 957	29				1				2
Columbia.....	37, 524		1						1	
Greenville.....	23, 127	4	3							1
South Dakota:										
Sioux Falls.....	25, 202		5	18	1		1			
Tennessee:										
Memphis.....	162, 351	59	15	1			2	1	19	5
Nashville.....	118, 342	40	4				2		12	2
Texas:										
Beaumont.....	40, 422	20								
Corpus Christi.....	10, 522	3								
Dallas.....	158, 976	38	14				8			1
El Paso.....	77, 560	31	1		2		3			7
Fort Worth.....	106, 482	24	6							
Galveston.....	44, 255	10	3				2			
Houston.....	138, 276	32		6						2
Waco.....	38, 500	6	2				1			

CITY REPORTS FOR WEEK ENDED NOVEMBER 25, 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.
Utah:										
Salt Lake City.....	118, 110	28	8				1			
Vermont:										
Barre.....	10, 008		1				1			
Burlington.....	22, 779	6								
Rutland.....	14, 954	4								
Virginia:										
Alexandria.....	18, 060	3	1				1			
Charlottesville.....	10, 688	0								
Danville.....	21, 539		1							
Lynchburg.....	30, 070	8	7							1
Norfolk.....	115, 777		11				2			1
Petersburg.....	31, 012	3	2	1			11		8	1
Portsmouth.....	54, 387	9	3		1		1		2	1
Richmond.....	171, 667	70	23		1		23		9	5
Roanoke.....	50, 842	14	13	1			2			1
Washington:										
Seattle.....	315, 312		5		2		5			
Spokane.....	104, 437		10				7			
Tacoma.....	96, 965						1			
West Virginia:										
Bluefield.....	15, 282	3	1				1			
Charleston.....	39, 608	9	9	1					5	1
Clarksburg.....	27, 869	3	4							
Fairmont.....	17, 851		2						3	
Huntington.....	60, 177	13	7				2			1
Morgantown.....	12, 127		6		1		1			
Moundsville.....	10, 699	5	5				1			
Parkersburg.....	20, 050	9	1				2			
Wheeling.....	56, 208	8	7		21		6		1	1
Wisconsin:										
Appleton.....	19, 561		9				1			
Beloit.....	21, 294	2	1				5		1	
Eau Claire.....	20, 906		2				1			
Fond du Lac.....	23, 427	2	1				1			
Green Bay.....	31, 017		3				2			
Janesville.....	18, 293	8								
Kenosha.....	40, 472	5	4				2			
La Crosse.....	30, 421		1		8		4			
Madison.....	38, 378		7		1		3			
Manitowoc.....	17, 563		1							
Marquette.....	13, 010						1			
Milwaukee.....	457, 147		27		638		41		13	
Oshkosh.....	33, 162	11	2				3			
Racine.....	68, 593	10			5		4			
Sheboygan.....	30, 955		2							
Stevens Point.....	11, 371		1				2			
Superior.....	39, 671	11								
Wausau.....	18, 661		1		3					
West Allis.....	13, 745		2		41		1			
Wyoming:										
Cheyenne.....	13, 829	1					1			

FOREIGN AND INSULAR.

INFLUENZA ON VESSEL.

Steamship "Frey"—At Vigo, Spain—From Rufisque.

On November 16, 1922, the steamship *Frey* arrived at Vigo, Spain, from Rufisque, West Africa, with 12 cases of influenza among the crew. Of these cases, one terminated fatally in hospital.

YELLOW FEVER (PROBABLE) ON VESSEL.

Steamship "H. H. Rogers"—Tampico and Ports.

A case diagnosed yellow fever but not officially reported was removed November 28, 1922, at Tampico, Mexico, from the steamship *H. H. Rogers*. The vessel left Tampico, November 14; Port Lobos, November 15; Charleston, November 23; due to arrive at Baltimore December 6, 1922.

CHILE.

Typhus Fever—Antofagasta.

A fatal case of typhus fever was reported at Antofagasta, Chile, during the week ended November 11, 1922. The case occurred in a laborer arriving from the south. Later information shows that medical examination has been established at the port for all laborers from the south before permission is given to land.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified as follows:

Disease.	Nov. 11-20, 1922.		Remaining under treatment Nov. 20, 1922.
	New cases.	Deaths.	
Chicken pox.....	1	.....	2
Diphtheria.....	1	.....	2
Leprosy.....	.....	.....	10
Malaria.....	51	1	170
Paratyphoid fever.....	3	2	12
Plague.....	1	.....	21
Scarlet fever.....	1	.....	3
Typhoid fever.....	42	9	2150

¹ From the interior, 20; from abroad, 1.

² From abroad, 1.

³ From the interior, 21.

Quarantine of Imported Laborers.

Under date of November 24, 1922, importation of laborers from the West Indies for the purpose of handling the next crop was authorized for the ports of Habana and Santiago, Cuba, and by extension at the ports of Antilla (Nipe) and Cienfuegos, on condition of observance of a strict quarantine of not less than 15 days' duration for sanitary

observation after disembarkation and before taking up the work for which they were under contract, the cost of said quarantine to be at the charge of the importers and contractors.

FINLAND.

Health Conditions—Helsingfors.

Information received under date of November 18, 1922, shows health conditions at Helsingfors, during the current year to have been generally satisfactory. Epidemic measles and scarlet fever were reported present in the spring and winter, respectively. Typhus fever and paratyphus, stated to have been imported from near-by countries, were reported occurring as sporadic cases. In November, 1922, prevalence of influenza was reported with 130 cases notified during one week. Bronchial and pulmonary catarrh were also reported present.

HAWAII.

Plague-Infected Rat—Hamakua.

The finding of a dead plague-infected rat at Hamakua, Hawaii, was reported November 10, 1922. The rat was found at Paaulo Camp, Hamakua Mill Co., and was declared positive for plague November 15, 1922.

MEXICO.

Yellow Fever—Ciudad Victoria—Tuxpam.

Yellow fever has been reported in Mexico as follows: Ciudad Victoria, December 2, 1922, one case; Tuxpam, December 1, 1922, one case.

PERU.

Plague—October, 1922.

During the month of October, 1922, 48 cases of plague with 12 deaths were reported in Peru, occurring in 13 localities. For distribution of occurrence according to localities, see this issue of the Public Health Reports page 3131.

Smallpox—Callao-Lima.

During the six-month period ended June 30, 1922, and the period July to September, 1922, smallpox was reported in the Province of Callao-Lima as follows:

JANUARY-JUNE, 1922.

Month.	Lima (city).		Lima (country).		Callao (city).		Callao (country).	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	8	1	1					1
February.....	8	2	3	1				
March.....	2	1			1			
April.....	20	5	2					
May.....	13	6	1					
June.....	14	6	1	1	1			
Total.....	65	21	8	2	2			1

JULY-SEPTEMBER, 1922.

Month.	Lima (city).		Lima (country).		Callao (city).	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
July.....	8	5	2			
August.....	1	1	4	2	18	2
September.....	8	1	19	5	8	5
Total.....	17	7	25	7	26	7

POLAND.

Communicable Diseases.

Communicable diseases have been reported in Poland, including Upper Silesia and Vilna, but exclusive of Minsk, as follows:

SEPTEMBER 3-9, 1922.

Disease.	Cases.	Deaths.	Districts showing greatest number of deaths.
Cerebrospinal meningitis.....	4	6	Lodz and Silesia.
Diphtheria.....	46	3	Lodz and Lwow; Warsaw City.
Malaria.....	314	1	Lodz.
Measles.....	218	7	Nowogrodek and Stanislawow.
Scarlet fever.....	261	33	Lwow.
Smallpox.....	9	2	Stanislawow.
Tuberculosis.....	77	153	Lwow; Warsaw City.
Typhoid fever.....	567	36	Warsaw City.
Typhus fever.....	116	6	Nowogrodek.
Typhus fever, recurrent.....	211	5	Do.
Whooping cough.....	187	7	Tarnopol; Warsaw City.

SEPTEMBER 10-16, 1922.

Cerebrospinal meningitis.....	9	11	Silesia; Warsaw City.
Diphtheria.....	77	6	Warsaw City.
Measles.....	275	10	Lemberg.
Scarlet fever.....	351	37	Krakow.
Smallpox.....	17	4	
Tuberculosis.....	129	154	Warsaw City.
Typhoid fever.....	709	32	Lodz.
Typhus fever.....	119	14	Bialystok.
Typhus fever, recurrent.....	203	6	Nowogrodek.
Whooping cough.....	246	10	Tarnopol.

SEPTEMBER 17-23, 1922.

Cerebrospinal meningitis.....	7	4	
Diphtheria.....	73	10	Stanislawow.
Measles.....	273	5	Volhynia.
Scarlet fever.....	346	43	Stanislawow.
Smallpox.....	13	2	
Tuberculosis.....	92	137	Lwow; Lodz; Warsaw City.
Typhoid fever.....	705	43	Lodz; Lwow.
Typhus fever.....	131	14	Lublin; Bialystok.
Typhus fever, recurrent.....	192	9	Nowogrodek.
Whooping cough.....	280	13	Lwow.

SEPTEMBER 24-30, 1922.

Cerebrospinal meningitis.....	5	1	Warsaw City.
Diphtheria.....	94	8	Kielce; Tarnopol; Warsaw City.
Measles.....	302	5	Warsaw City.
Scarlet fever.....	358	48	Lwow; Stanislawow.
Smallpox.....	14	1	Stanislawow.
Tuberculosis.....	79	133	Lodz; Lwow; Warsaw City.
Typhoid fever.....	690	46	Lublin; Lwow.
Typhus fever.....	95	7	Volhynia.
Typhus fever, recurrent.....	218	6	Nowogrodek.
Whooping cough.....	243	15	Lwow; Stanislawow.

Dysentery.

During the period September 3-30, 1922, dysentery was reported as follows:

Week ended—	Cases.	Deaths.	Districts showing greatest mortality.
Sept. 9.....	1,157	164	Krakow.
Sept. 16.....	1,029	152	Stanislawow.
Sept. 23.....	802	112	Do.
Sept. 30.....	555	80	Krakow; Lwow.

PORTUGAL.**Plague—Lisbon.**

During the period October 30 to November 10, 1922, two cases of plague were reported at Caramao da Ajuda, Lisbon, Portugal. One of these cases occurred in a soldier. The district in which the cases occurred was stated to be populous and to contain many military barracks.

PORTUGUESE WEST AFRICA.**Plague—Angola—Loanda.**

Plague was reported present at Loanda, Angola, Portuguese West Africa, October 28, 1922. The disease was stated to be confined to one quarter of the city, and the port was stated not to be closed on the day of the report.

SPAIN.**Plague—Barcelona.¹**

Under the date of November 14, 1922, a total of 23 cases of plague with nine deaths occurring from September 24 to November 14, 1922, was reported at Barcelona, Spain.

UNION OF SOUTH AFRICA.**Further Relative to Epidemic Cerebrospinal Meningitis.²**

Continued epidemic prevalence of cerebrospinal meningitis in the Witwatersrand Area, Union of South Africa, was reported, October 27, 1922, with 31 cases occurring in the colored population and 11 cases among the white population from October 1 to 27, 1922.

Further Relative to Typhoid Fever—Durban.²

The epidemic of typhoid fever reported at Durban, Union of South Africa, was stated, November 3, 1922, to be abating. To October 14, 1922, 121 cases were reported among the white population and seven among the colored population. During the week ended October 21, eight cases, occurring in Europeans, were reported. The source of infection and mode of transmission were stated not to have been determined.

¹ Public Health Reports, Oct. 13 and 27, and Nov. 3 and 17, 1922; also Plague table, this issue, p. 3132.

² Public Health Reports, Dec. 1, 1922, p. 3005.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended December 15, 1922.¹****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Oct. 22-28.....	5	2	
Madras.....	do.....	1		

PLAGUE.

Azores:				
Fayal Island—				
Horta.....	Nov. 9.....	1	1	
Brazil:				
Bahia.....	Oct. 22-28.....	5	2	
Cuba:				
Habana.....	Nov. 11-20.....	1		
Egypt:				
City.....				Jan. 1-Nov. 9, 1922: Cases, 467; deaths, 219.
Alexandria.....	Nov. 2-8.....	1	1	Septicemic.
Suez.....	Oct. 27.....	1	1	
Port Said.....	Nov. 8.....	1		
Province—				
Assiout.....	Oct. 29-Nov. 8.....	5	3	
Minieh.....	Nov. 3-8.....	5	2	
Hawaii:				
Hamakua.....	Nov. 10.....			One dead plague rat; found positive, Nov. 15, 1922.
India:				
Madras Presidency.....	Oct. 22-28.....	189	115	
Mesopotamia:				
Bagdad.....	Sept. 1-30.....	3		
Palestine:				
Jaffa.....	Nov. 6-13.....	4		
Peru:				
Ancon.....	Oct. 11-31.....	1	1	Oct. 1-31, 1922: Cases, 48; deaths, 12.
Callao.....	do.....	1	1	
Catacaos.....	do.....	1		
Chancay.....	do.....	3		
Chiclayo.....	do.....	5		
Chosica Vieja.....	do.....	3		
Guadaloupe.....	do.....	6	1	
Huacho.....	do.....	7	3	
Huaral.....	do.....	1	1	
Lima (city).....	do.....	2	1	
Lima (country).....	do.....	11	3	
Paita.....	do.....	1		
St. Luis (Canete).....	do.....	1		
Trujillo.....	do.....	5	1	
Portugal:				
Lisbon.....	Oct. 30-Nov. 10.....	2		
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 28.....			Present.
Senegal:				
Dakar.....				Sept. 1-Oct. 31, 1922: Cases, 6; deaths, 6.
Spain:				
Barcelona.....				Sept. 24-Nov. 14, 1922: Cases, 23; deaths, 9.

SMALLPOX.

Algeria:				
Algiers.....	Nov. 1-10.....	1		
Arabia:				
Aden.....	Oct. 29-Nov. 4.....	1	1	
Austria:				
Vienna.....	Oct. 22-28.....	3		
Brazil:				
Bahia.....	do.....	1		
Rio de Janeiro.....	Oct. 22-Nov. 4.....	6	2	
British East Africa:				
Kenya Colony—				
Tanganyika Territory.....	Sept. 3-Oct. 7.....	36	12	

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 15, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
Manitoba—				
Winnipeg.....	Nov. 19-25.....	8		
Ontario—				
Hamilton.....	Nov. 26-Dec. 2.....	1		
Toronto.....	Nov. 12-18.....	2		
Dominican Republic:				
Santo Domingo.....	do.....	1		
Great Britain:				
Hull.....	do.....	1		
London.....	Nov. 5-11.....	10	12	
India:				
Madras.....	Oct. 22-28.....	14	6	
Mesopotamia:				
Bagdad.....	Sept. 1-30.....	47	30	
Mexico:				
Guadalajara.....	Oct. 1-31.....	4	1	
Nogales.....	Nov. 19-25.....		1	
Mexico City.....	Oct. 22-Nov. 4.....	11		
Peru:				
Callao.....	Jan. 1-June 30.....	2		Country, 1 case.
Do.....	July 1-Sept. 30.....	26	7	
Lima.....	Jan. 1-June 30.....	65	21	Country: Cases, 8; deaths, 2.
Do.....	July 1-Sept. 30.....	17	7	Country: Cases, 25; deaths, 7.
Poland				Sept. 3-30, 1922: Cases, 53; deaths, 9.
Portugal:				
Lisbon.....	Oct. 29-Nov. 11.....	80		
Portuguese West Africa:				
Angola—				
Loanda.....	Sept. 27-Oct. 3.....		1	
Serbia:				
Belgrade.....	Oct. 23-Nov. 5.....	3	2	
Switzerland:				
Zurich.....	Nov. 4-10.....	10		
Union of South Africa:				
Cape Province.....	Oct. 8-21.....			Outbreaks.
Transvaal.....	Oct. 15-21.....			Do.

TYPHUS FEVER.

Chile:				
Antofagasta.....	Nov. 5-11.....	1	1	
Taleahuano.....	Oct. 22-28.....	4		
Egypt:				
Alexandria.....	Oct. 15-21.....	5	1	
Germany:				
Berlin.....	do.....		1	
Coblenz.....	Nov. 12-18.....	1		
Mesopotamia:				
Bagdad.....	Sept. 1-30.....	1		
Mexico:				
Mexico City.....	Oct. 22-Nov. 4.....	37		
Poland.....				Sept. 3-30, 1922: Cases, 461; deaths, 41. Recurrent typhus, cases, 824; deaths, 26.
Syria:				
Aleppo.....	Nov. 5-11.....			Present.
Union of South Africa:				
Cape Province.....	Oct. 8-14.....			Outbreaks.
Natal.....	Oct. 8-21.....			Do.
Orange Free State.....	do.....			Do.

YELLOW FEVER.

Mexico:				
Ciudad Victoria.....	Dec. 2.....	1		
Tuxpam.....	Dec. 1.....	1		
On vessel:				
Steamship H. H. Rogers.....	Nov. 28.....	1		Probable case. At Tampico, Mexico.

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

Reports Received from July 1 to December 8, 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. Present. Stated to have been imported from Shanghai. Present. Aug. 1-Oct. 8, 1922: Cases, 6, foreign; deaths, 56. Chinese. July 29, 1922: Stated to be 250 cases in Chinese isolation hospital. About 75 deaths reported for previous week. At quarantine station: Among passengers from vessel carrying Russian refugees. Feb. 26-June 24, 1922: Deaths, 33,979. June 25-Aug. 5, 1922: Deaths, 9,346. Aug. 6-Sept. 9, 1922: Cases, 9,453; deaths, 5,934. (Report for week ended Feb. 25, 1922, not received.)
Antung.....	Sept. 21-Oct. 1.....			
Manchuria—				
Dairen.....	Sept. 18-24.....	3	2	
Newchwang.....	July 27.....			
Pootung.....	Aug. 3.....			
Shanghai.....	June 25-July 31.....	198	2	
Tientsin.....	July 25-Aug. 19.....	4		
Woosung.....	Aug. 3.....			
Greece:				
Athens.....	June 29.....	1	1	
Saloniki.....	June 7-17.....	30	11	
India:				
Bombay.....	Apr. 23-June 17.....	12	5	
Do.....	July 2-Oct. 9.....	6	5	
Calcutta.....	Apr. 23-June 21.....	536	378	
Do.....	June 25-Oct. 21.....	103	90	
Madras.....	May 21-June 17.....	3	1	
Do.....	July 16-Oct. 21.....	7	3	
Rangoon.....	May 7-June 24.....	116	65	
Do.....	June 25-Sept. 30.....	99	64	
Indo-China:				
Saigon.....	June 25-Aug. 19.....	30	28	Including area of 100 square km.
Japan:				
Tokyo.....	Oct. 4.....			Epidemic.
Yokohama.....	Oct. 5.....			Present.
Philippine Islands:				
Manila.....	May 21-June 24.....	8		1 case, 1 death in nonresident, Aug. 27-Sept. 2, 1922.
Do.....	June 25-Sept. 2.....	14	3	
Province—				
Bataan.....	June 4-10.....	1		
Batangas.....	May 26-June 24.....	15	11	
Do.....	June 25-July 22.....	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		
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:				
Rovno.....	June 11-24.....	8	3	July 9-Sept. 7, 1922: Cases, 101; deaths, 28. 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		To July 31, 1922: Cases, 11; deaths, 6. First case in soldier from frontier on Dniester River. Crangasi, a suburb of Bucharest. Reported Aug. 11. Prefecture. Cholera reported Aug. 11 among troops in garrison. Reported July 29.
Crangasi.....				
Province—				
Bessarabia—				
Cobusea.....	July 24.....	1		
Codaeshti.....		3		
Orhei.....				
Rascautzi.....		11	1	
Siam:				
Bangkok.....	Apr. 30-June 17.....	15	9	
Do.....	July 2-Oct. 7.....	14	6	

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 8, 1922—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements: Singapore.....	July 16-22.....	1	1	
Syria: Aleppo.....	May 27-June 3.....			A few cases in interior. Present in interior.
Do.....	June 25-Sept. 2.....			
On vessels: S. S. Chios.....	July 16.....	1		At Kavak Quarantine Station: Bosporus, from Novorossysk, a Russian Black Sea port. Case occurred in a recognized car- rior. Vessel carried refugees for Saloniki, Greece. Six bodies buried at sea; 12 cases landed at Kavak during stay. At Dairen, Manchuria, China. Name and origin of vessel not stated.
—.....	Sept. 18-24.....	2	1	

PLAGUE.

Algeria: Algiers.....	Aug. 27.....	1		
Oran.....	Aug. 1-31.....	10	3	
Asia Minor: Smyrna.....	May 28-June 17.....	3	1	District.
Do.....	June 30-Aug. 26.....	8	1	
Australia: New South Wales— Sydney.....	June 1-15.....	2		Apr. 2-June 10, 1922: 19 plague- infected rats found.
Queensland— Brisbane.....	July 23-29.....			One plague rat.
Azores: Fayal Island.....				Jan. 16-Feb. 8, 1922: Cases, 6; deaths, 4.
Horta.....	Feb. 2-8.....	4	2	Jan. 1-May 13, 1922: Cases, 63; deaths, 55. June 25-Nov. 11, 1922: Cases, 353; deaths, 64. In localities 3-9 miles from Ponta Delgada.
St. Michaels Island.....	Sept. 9-Oct. 14.....	202	26	
Ponta Delgada.....	Oct. 1-Nov. 11.....	7	1	In vicinity, 180 cases.
Brazil: Bahia.....	June 11-17.....	1		May 7-June 4: Rodent; occur- ring in one section of the city. Many dead rats found.
Do.....	Aug. 20-Sept. 30.....	2	1	
Pernambuco.....	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	
Tanganyika 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. Plague rats, 12.
Do.....	June 25-Oct. 14.....	33	30	
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. June 17-24, 1922: Present. June 21: Mildly epidemic; 2 fatal cases in foreign physicians.
Foochow.....	May 7-June 10.....	5	4	
Do.....	July 2-Aug. 12.....	3	1	Aug. 13-Sept. 30, 1922: Present. Sept. 31-Oct. 7, 1922: Plague in rodents.
Hongkong.....	June 4-24.....	176	104	
Do.....	June 25-Oct. 14.....	151	103	
Nanking.....	Sept. 24-Oct. 7.....			Present.

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

Reports Received from July 1 to December 8, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil.....	June 1-15.....			Rats found infected, 16; examined, 3,400.
Do.....	July 1-Oct. 15.....	1	1	Rats examined, 25,725; found infected, 61.
Egypt:				
City—				Jan. 1-June 29, 1922: Cases, 200; deaths, 120. Jan. 1-Oct. 19, 1922: Cases, 451; deaths, 209. (Corrected report.)
Alexandria.....	June 1-28.....	21	6	Septicemic, 1.
Do.....	July 2-Sept. 9.....	18	7	Foreign cases, 2; deaths, 2.
Port Said.....	June 12-25.....	2	5	
Do.....	July 2-Oct. 5.....	31	22	
Suez.....	May 24-June 25.....	7	6	
Do.....	July 10-Oct. 18.....	6	3	Aug. 5, 1922: One case imported from Mauritius on S. S. Dumbea.
Province—				
Assiout.....	May 30-June 23.....	14	8	Septicemic, 1.
Do.....	July 11-Aug. 5.....	6	3	
Benisouef.....	May 26-June 30.....	19	7	
Do.....	July 2-Sept. 2.....	29	13	
Fayoum.....	June 3-29.....	8	4	
Do.....	July 2-20.....	13	3	
Garbich.....	May 26-June 30.....	37	13	
Do.....	July 2.....	3		
Menoufieh.....	July 20.....	1	1	
Minieh.....	June 2-29.....	24	7	
Do.....	July 14-Sept. 30.....	19	10	
Simmuris (district).....	Sept. 3-9.....	1		
France:				
Paris.....	Aug. 11-18.....	4		
Greece:				
Patras.....	Apr. 24-June 25.....	5	3	
Piræus.....	Aug. 1-31.....	3	1	
Hawaii:				
Hamakua.....	June 30-July 4.....	1	1	At Kalopa Homesteads. Case Hawaiian.
Do.....	July 8-Oct. 20.....		1	Hamakua Mill Co. One plague rat trapped; found positive, July 14, 1922. Oct. 9-14, 1922: 2 plague rats.
Honokaa.....	Aug. 19-Sept. 10.....		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.....			One plague rat trapped at Paauihau Gulch. June 29; found positive June 30, 1922.
Paauiho.....	July 7.....		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	Apr. 23-June 24, 1922: Cases, 6,310; deaths, 4,812. June 25-Sept. 16, 1922: Cases, 9,329; deaths, 6,561.
Do.....	June 25-Oct. 7.....	84	64	Surrounding country, July 2-8, 1922: Cases, 21; deaths, 16.
Calcutta.....	Apr. 23-June 24.....	56	54	
Do.....	June 25-Sept. 23.....	17	16	
Karachi.....	May 23-June 24.....	59	55	
Do.....	June 25-Sept. 30.....	6	5	
Madras Presidency.....	May 21-June 24.....	74	36	
Do.....	June 25-Oct. 21.....	2,317	1,554	
Rangoon.....	May 6-June 24.....	175	161	
Do.....	June 25-Oct. 14.....	471	420	

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

Reports Received from July 1 to December 8, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China:				
Saigon.....	Apr. 23-June 24....	30	21	
Do.....	June 25-Aug. 19....	10	7	Including area of 100 square kilometers.
Italy:				
Catania.....	June 17.....	1		
Naples.....	July 18-Sept. 28....	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.
Java.....				Month of April, 1922: Report of the 7 Provinces of Java: Cases, 413; deaths, 495. May 1-31, 1922: Cases, 293; 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—				
Kopren.....	May 20.....			Epidemic.
Klaten.....	Sept. 26.....			Epidemic. Locality in district of Prambanan.
Madagascar.....				Nov. 4, 1922: Present.
Tananarive Province—				
Anketrina.....	May 4.....		1	Native village: disease stated to have been present since about Apr. 27, 1922. (Name of locality corrected.)
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, 3. Sept. 11-17: Cases, 3.
Tananarive.....	May 29-June 18....	2	1	
Do.....	July 10-23.....	2	2	
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-Aug. 31....	29		
Mexico:				
Tampico.....				Sept. 21-Nov. 25: 2 plague rats.
Vera Cruz.....				June 30, 1922: 1 plague rat.
Palestine:				
Jaffa.....	July 4-Oct. 30....	51	2	In native quarter. (Entered in previous issues under Jerusalem.)
Peru.....				May 1-15, 1922: Cases, 35; deaths, 19. June 1-30, 1922: Cases, 87; deaths, 15. July 1-Sept. 30, 1922: Cases, 134; deaths, 68. Jan.-June, 1922: Cases, 394; deaths, 173.
Localities—				
Bambamarca (Hualgayoc).....	Sept. 1-30.....	2		Jan.-June, 1922: Cases, 24; deaths, 10; country district, cases 2 (corrected report).
Callao.....	do.....	7	2	
Chiclayo.....	do.....	2		
Coaillo y Asia (Cafete).....	do.....	6		
Colan.....	do.....	1		
Huacho.....	do.....	1	1	
Huaral.....	do.....	4		
Huarmey.....	do.....	1		
Lima (city).....	do.....	6	6	
Lima (country).....	do.....	5	6	Jan. 1-June 30, 1922: Cases, 30; deaths, 16; country district, cases, 28; deaths, 16 (corrected report).
Santa.....	do.....	4	2	

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

Reports Received from July 1 to December 8, 1922—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	June 3.....	1	1	From S. S. Taisang from Amoy, China.
Do.....	Aug. 20-26.....	2		
Portugal:				
Lisbon.....	July 23-Oct. 21....	4	6	Aug. 1-Oct. 23, 1922: Deaths, 10.
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 25.....			Present.
Guinea.....				Reported present Aug. 24, 1922.
Senegal:				
Dakar.....	June 1-30.....	1	1	
Do.....	July 1-31.....	2	2	
Siam:				
Bangkok.....	Apr. 30-June 3.....	4	3	
Do.....	July 2-Oct. 7.....	14	11	
Spain:				
Barcelona.....	Sept. 24-Oct. 19.....	6	6	Stated to be confined to factory in which disease first appeared. Oct. 13, 1922; 18 cases present.
Cartagena.....	Oct. 13.....	2		
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	Oct. 8-14, 1922: 1 plague rat.
Alexandretta.....				
Beirut.....	July 30-Aug. 13.....	7	1	
Tunis:				
Tunis.....	June 30-Sept. 9....	4	1	
Turkey:				
Constantinople.....	Aug. 20-Oct. 7....	12	8	
Union of South Africa:				
Orange Free State—				
Grootkoin Farm.....	May 7-13.....			One dead plague-infected rodent found. Locality adjoins Tru-cart's Berg Farm, on which plague-infected mouse was found preceding week.
				Plague-infected wild rodent found near.
Rendezvous Ry. Station	May 14-20.....			
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.

Arabia:			
Aden.....	May 7-June 24.....	60	21
Do.....	July 2-Oct. 23.....	56	28
Argentina:			
Rosario.....	June 1-30.....		3

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

Reports Received from July 1 to December 8, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Asia Minor:				
Smyrna	May 14-June 24	4		In district.
Do.	June 25-Aug. 26	13		Do.
Bermuda:				
Hamilton	Sept. 3-30	3		
Bolivia:				
La Paz	Mar. 1-Apr. 30	97	16	
Brazil:				
Bahia	June 25-Oct. 14	2	1	
Para	May 29-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-Oct. 21	182	42	
Sao Paulo	Apr. 10-June 11	3	10	
British East Africa:				
Kenya Colony				Apr. 1-June 30, 1922: Cases, 15.
Dar-es-Salaam	Apr. 16-June 10	28		July 9-15, 1922: Deaths, 5.
Do.	July 16-Aug. 12	18	2	
Nairobi	Mar. 1-31	22	2	
Tanganyika Territory	Aug. 23-Sept. 2	27	4	
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-Nov. 18	31		
New Brunswick—				
Kent County	June 25-July 1	2		
Madawaska County	June 4-17	6		
Do.	Sept. 10-Nov. 11	4	1	
Ontario				Sept. 1-30, 1922: Cases, 19;
Fort William and Port Arthur	Aug. 6-Sept. 23	3		deaths, 1.
Hamilton	July 30-Aug. 18	3		
London	Aug. 26-Sept. 2	1		
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-Nov. 4	11		
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:				
Concepcion	Mar. 14-June 20		71	Prevalent July 3, 1922, throughout southern Provinces.
Do.	June 27-Sept. 4		30	
Quillon				In Concepcion Province: Epidemic in May, 1922, with 60 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-Oct. 21			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-Oct. 21			Do.
Foochow	May 14-20	1		Aug. 13-19, 1922: Present.
Do.	Aug. 27-Oct. 21			Present.
Hankow	June 25-July 1	1		
Hongkong	May 14-June 24	41	32	
Do.	July 16-Sept. 16	5	2	Aug. 13-26, 1922: Present.

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

Reports Received from July 1 to December 8, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Manchuria—				
Dairen	May 15–June 18	4	1	
Do.	June 26–Sept. 17	7	1	
Harbin	May 22–28	1		
Do.	July 30–Aug. 5	1		
Mukden	June 18–24			Present.
Do.	July 16–Sept. 29			Do.
Nanking	May 7–June 24			Do.
Do.	June 25–Oct. 21			Do.
Shanghai	May 22–28	1		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. 22	8	4	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		
Do.	Sept. 17–21	2		Reported for Preston.
Cienfuegos	July 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. 1–30	1		
Provinces—				
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. 11	426	2	City and district. (Corrected report.)
Santo Domingo	June 4–24	3	9	Including vicinity.
Do.	June 25–Nov. 13	6	7	July 30–Aug. 5, 1922: A few cases, city and vicinity.
Ecuador:				
Guayaquil	July 16–Oct. 15	12		
Milagro	Sept. 1–15	1		
Nobol	do.	1		
Egypt:				
Alexandria	July 23–Aug. 12	2	2	
Cairo	Apr. 30–June 24	13	5	
Do.	July 23–Aug. 19	7	2	
Port Said	May 7–June 24	3	1	
Do.	July 23–29	1		
Finland.				
Do.	June 1–30	2		
Do.	July 1–15	1		
Fiume.				
Do.	June 13–19	1		
Do.	July 10–16	1		
France:				
Paris	June 1–10		1	
Do.	Oct. 22–31	1		
Great Britain:				
Halifax				
Huddersfield				Outbreak reported under date of June 17, 1922.
Liverpool	Aug. 13–19	1		Do.
London	July 30–Nov. 4	43	3	In port hospital.
Sheffield	May 28–June 17	5		Oct. 22–28, 1922: Outbreak To Nov. 3, 1922: Cases, 23; deaths, 2.
Southampton	June 18–24	2		
Greece:				
Saloniki	May 1–June 25	3	1	
Do.	July 17–23		1	
Syra Island	May 26	12	5	

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

Reports Received from July 1 to December 8, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Haiti:				
Cape Haitien.....	June 11-17.....	1		
Plaine du Nord.....	do.....			Vicinity of Cape Haitien. Present.
India.....				Feb. 26-Mar. 25, 1922: Deaths, 1,162 (date of report corrected).
Bombay.....	Apr. 23-June 24.....	38	17	Mar. 26-May 20, 1922: Deaths, 6,015. June 4-24: Cases, 2,813; deaths, 919. June 25-Sept. 9, 1922: Cases, 9,090; deaths, 2,377.
Do.....	July 2-Oct. 7.....	9	4	
Calcutta.....	Apr. 23-June 24.....	84	67	
Do.....	June 25-Oct. 21.....	35	28	
Karachi.....	May 23-June 24.....	35	9	
Do.....	July 16-Sept. 30.....	18	5	
Madras.....	May 14-June 24.....	207	94	June 19-25, 1922: Cases, 30; deaths, 15.
Do.....	July 2-Oct. 21.....	534	243	
Rangoon.....	May 7-June 24.....	37	16	
Do.....	July 2-Oct. 7.....	69	34	
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	2	
Taiwan Island.....	June 11-30.....	26	3	
Do.....	July 22-Aug. 10.....	27	4	
Yokohama.....	May 29-June 25.....	4	2	
Do.....	June 26-July 20.....	48	8	
Java:				
East Java—Soerabaya.....	Aug. 13-Sept. 23.....	3		
West Java—Batavia.....	Apr. 28-June 30.....	20	3	City and Province.
Do.....	July 9-Oct. 13.....	70	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-Aug. 31.....	57		
Mexico:				
Chihuahua.....	June 22-Sept. 17.....		2	
Guadalajara.....	May 1-June 30.....	13		
Do.....	July 1-Sept. 17.....	5	1	
Manzanillo.....	June 6-25.....		4	Estimated cases, 4 to 10.
Do.....	June 27-July 3.....	6	1	Estimated.
Mexico City.....	May 21-June 24.....	129		Including municipalities in Federal District. Report June 11, 17, 1922, not received.
Do.....	June 25-Oct. 14.....	220		Including municipalities in Federal District.
Nogales.....	July 22-Aug. 5.....	26	3	State of Sonora.
San Luis Potosi.....	July 23-Oct. 7.....		12	
Torreon.....	July 1-31.....		1	
Panama Canal:				
Colon.....	July 1-Oct. 15.....	3		July 1-31, 1922: Cases, 4, of which 1 nonresident and not locally reported. July 28-Sept. 28, 1922: Cases, 3; of these, nonresident, 2.
Panama.....	July 1-Aug. 15.....	2		
Persia:				
Teheran.....	Apr. 23-May 22.....	2		
Peru:				
Callao.....	July 1-Sept. 30.....	26	7	May 1-15, 1922: Cases, 5; deaths, 4. June 1-30, 1922: Cases, 16; deaths, 7. Aug. 1-31, 1922: Cases, 23; deaths, 5.
Lima (city).....	do.....	17	7	Jan. 1-June 30, 1922: Deaths, 1.
Lima (country).....	do.....	25	7	Jan. 1-June 30, 1922: Deaths, 23.
Poland:				
Do.....				Mar. 26-June 24, 1922: Cases, 1,210; deaths, 241. June 25-Sept. 7, 1922: Cases, 253; deaths, 54.
Portugal:				
Lisbon.....	May 29-June 25.....	6	8	Corrected report.
Do.....	June 25-Oct. 28.....	327	90	Do.
Oporto.....	Aug. 27-Oct. 7.....	4		
Portuguese East Africa:				
Lourenco Marques.....	July 23-29.....	1		
Portuguese West Africa:				
Angola—Loanda.....	June 25-Sept. 23.....		15	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received from July 1 to December 8, 1922—Continued.
SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Estonia.....	May 1-June 30.....	6		
Do.....	July 1-Sept. 30.....	2		
Lettonia.....	May 1-June 30.....	51		
Do.....	July 1-Aug. 31.....	20		
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	
Cadiz.....	Aug. 1-30.....		1	
Corunna.....	June 11-17.....		1	
Do.....	Oct. 15-21.....		1	
Huelva.....	Apr. 1-June 30.....		4	
Do.....	July 1-Aug. 31.....		2	
Seville.....	June 11-17.....		36	Week ended June 11, 1922: Many cases.
Do.....	June 18-Nov. 5.....		200	
Valencia.....	May 21-27.....	1		
Do.....	Nov. 5-11.....	1		
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-Oct. 28.....	25		
Lucerne.....	July 1-31.....	1		
Zurich Canton:				
Zurich.....	Apr. 23-June 12.....	9		Aug. 1-31, 1922: Cases, 74.
Do.....	June 25-Nov. 4.....	85		
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-Oct. 21.....	67	19	
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, 67; deaths, 3 (colored); white, 6 cases. July 1-Aug. 31, 1922: Cases, 89; deaths, 2 (colored).
Natal.....	Aug. 20-Sept. 30.....			Outbreaks.
Orange Free State.....				Apr. 1-May 31, 1922: Cases, 26; deaths, 8 (colored); white, 20 cases. July 1-31, 1922: Cases, 5 (colored).
Do.....				May 1-31, 1922: Cases, 12; deaths, 1 (colored). July 1-Aug. 31, 1922: 5 cases (colored).
Do.....	Sept. 3-9.....			Outbreaks.
Southern Rhodesia.....	May 11-June 28.....	67	4	in natives, 3 cases.
Do.....	June 29-Aug. 23.....	35		
Transvaal.....				Apr. 1-June 30, 1922: Cases, 54 (colored); white, 10 cases. July 1-Aug. 31, 1922: Colored, cases, 133; deaths, 1; white, 9 cases.
Do.....	July 9-Oct. 7.....			Outbreaks.
Johannesburg.....	May 1-31.....	1		
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.....				
Belgrade.....	June 11-17.....	1		Oct. 23-29, 1921: Cases, 5.
Do.....	Aug. 14-Sept. 24.....	34	12	

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

Reports Received from July 1 to December 8, 1922—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
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 28.....	.....	.....	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 28 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. 23, 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 Shimonoseki, 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.) District.
Do.....	June 25-Aug. 19.....	11	.....
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	
Bulgaria:				
Sofia.....	May 28-June 17.....	4	.....
Do.....	Sept. 24-30.....	1	1	
Chile:				
Concepcion.....	Apr. 11-May 29.....	.....	10	
Do.....	June 27-Oct. 16.....	.....	13	
Talcahuano.....	Oct. 8-21.....	3	1	
Valparaiso.....	Apr. 2-22.....	.....	6	
Do.....	July 18-Sept. 30.....	.....	26	
China:				
Antung.....	May 15-21.....	1	.....
Do.....	July 10-Oct. 29.....	24	.....

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

Reports Received from July 1 to December 8, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
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-Oct. 29.....	9		
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. 4.....	28	14	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-Sept. 9.....	42	30	
Port Said.....	May 28-June 3.....	1		
Do.....	July 2-Sept. 2.....	11	29	
Germany:				
Berlin.....	Apr. 30-June 24.....		7	
Do.....	June 25-Oct. 14.....		18	May 1-6, 1922: 5 cases typhus fever at quarantine station of Osternothafen, in persons returning from Russia.
Coblenz.....	July 2-Nov. 4.....	25	3	
Königsberg.....	May 28-June 3.....			
Do.....	Sept. 3-9.....	1		
Stuttgart.....	July 22-Aug. 26.....	2	1	
Great Britain:				
Glasgow.....	Sept. 17-23.....	1	1	
Greece:				
Piræus.....	Aug. 1-31.....	1		
Saloniki.....	May 1-June 18.....	25	1	2 in Russian refugees.
Indo-China:				
Saigon.....	Aug. 6-19.....	1		
Java:				
East Java—				
Soerabaya.....	July 23-Aug. 5.....	4	2	
Mesopotamia:				
Bagdad.....	Apr. 1-June 30.....	7	2	
Do.....	Aug. 1-31.....	5		
Mexico:				
Mexico City.....	Apr. 23-June 24.....	111		Including municipalities in Federal District.
Do.....	June 25-Oct. 14.....	266		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		Occurring in 3 localities.
Palestine: ¹				
Jaffa.....	June 27-Nov. 6.....	5		Relapsing fever, 1 case.
Persia:				
Teheran.....	Mar. 22-June 22.....		8	
Poland:				
Warsaw.....	Apr. 23-June 24.....	156		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, 1,598; deaths, 34. (Corrected report.) May 7-June 24, 1922: Cases, 4,790; deaths, 111. June 25-Sept. 7, 1922: Cases, 2,599; deaths, 174. Recurrent typhus, June 25-Sept. 7, 1922: Cases, 3,793; deaths, 113. 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.

¹ In previous reports given as for Jerusalem.

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

Reports Received from July 1 to December 3, 1922—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
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		
Constanza.....	do.....	3		
Galatz.....	May 1-June 30.....	2		
Jassey.....	June 1-30.....	1		
Salina.....	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		
Lettonia.....	Apr. 1-June 30.....	635		Recurrent typhus: Cases, 40.
Do.....	July 1-Aug. 31.....	74		Recurrent typhus: Cases, 21; paratyphus cases, 3.
Siberia:				
Vladivostok.....	July 1-31.....	3		
Spain:				
Barcelona.....	July 13-19.....		1	
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-Oct. 7, 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-Sept. 30.....			Outbreaks.
Diamond fields.....				Sept. 28, 1922. Outbreaks at native locations near Kimberley.
Delpport.....	Sept. 28.....			Outbreak.
Gong-Gong.....	do.....		20	
Winter's Rush.....	do.....		12	Including Longlands.
East London.....	do.....		1	
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. 7.....			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-Sept. 16.....			Outbreaks.
Transvaal.....				Apr. 1-June 30, 1922: Cases, 29; deaths, 2 (colored). July 1-Aug. 31, 1922: Cases, 6 (colored).
Do.....	Aug. 27-Sept. 30.....			Outbreaks.
Johannesburg.....	May 1-June 30.....	7	1	
Do.....	July 1-31.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from July 1 to December 8, 1922—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Yugoslavia.....				Aug. 7-13, 1921: 2 new cases. (1921.)
Bosnia-Herzegovina.....	Aug. 7-13.....	1.....		Do.
Croatia-Slavonia.....	Sept. 4-10.....	1.....		Do.
Serbia—				
Belgrade.....	May 6-June 3.....	2.....		
Voivodina.....	Aug. 7-13.....	1.....		Do.
On vessels:				
S. S. Chios.....	July 18.....	1.....		At Kavak quarantine station, Bosphorus, from Novorossysk, a Russian Black Sea port. Vessel 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.....	1	1	Origin, Tampico.
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-Nov. 10...	2		
On vessel:				
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.