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AN EPIDEMIOLOGICAL STUDY OF AN ENDEMIC FOCUS OF LEPROSY.

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Having learned of the prevalence of leprosy in the area under consideration to a degree unusual in the United States, it appeared advisable that all available data pertaining thereto should be secured and made a matter of record. This study was therefore undertaken in an unofficial capacity, a circumstance which possibly has not aided in the collection of information. For reasons that are obvious, an epidemiological investigation of a chronic disease of long duration, such as leprosy, is a much more difficult matter than the collection of similar data for an acute infection. The records of the health department are very meager, and relate only to the reports of cases within recent years. So far as possible, our information was secured from the patient himself, and where the patient himself was not available, for one reason or another, we are largely indebted to the practicing physicians of the city for our information. To them are due our hearty thanks.

THE ENDEMIC AREA.

The endemic area is a moderate-sized subtropical city, located at the eastern end of a long, narrow island in the Gulf of Mexico, 2 or more miles distant from the mainland. Industrially the city is a seaport of considerable importance, while manufacturing is of relatively minor importance. Demographically the city differs from most southern cities in the rather small proportion of Negroes and in the large proportion of foreign-born whites, or native whites of foreign-born parentage, composing the population.

THE KNOWN INCIDENCE OF LEPROSY.

The site of the city has been settled about 100 years, but the information that we have been able to collect regarding the incidence of leprosy does not cover a period of over 30 years. This is not to be taken as a suggestion that leprosy was unknown prior to that time, but is due to the absence of any official data regarding its early occurrence.

The earliest case of leprosy of which we have been able to learn was recognized in 1886, and shortly thereafter permanently left the area.

It was apparently of local origin and is not included in our series. In 1889 Dock (1) reported two cases of local origin, which are included in our series. In a personal communication Dock states that he made at the time a "pretty thorough survey of the Mexican and Chinese quarters, but did not find any other cases." Only one Chinese case of leprosy has ever been known there, and of our series only two are Mexican. In addition to the 45 cases of our series we have learned of 25 additional cases of leprosy that have existed in this focus; but owing to the lapse of years and the absence of recorded data, we have been unable to secure many particulars and have, accordingly, omitted these cases.

Our series of 45 cases occurred during the past 30 years. We have divided these cases into three groups, as follows:

Class A: Living cases at present residing in the area (26);

Class B: Cases presumably alive, but who have removed from the area (6); and

Class C: Cases known to be dead (13).

We were able to secure the most detailed and complete information concerning the cases of class A. From an analysis of the data we have collected we present the following tables of summarization:

TABLE I.—*Summarization of cases by origin and class.*

Origin.	Class A.	Class B.	Class C.	Total.
Imported.....	3	2	0	5
Local cases.....	23	1	12	36
Unknown origin.....	0	3	1	4

The imported cases will be omitted from many of the subsequent tables. Where such is the case, it will be indicated in the table heading by including the number (40).

TABLE II.—*Racial incidence of cases (40).*

Race.	Class A.	Class B.	Class C.	Total.
Whites of—				
(a) Native-born parentage.....	16	1	2	9
(b) Foreign-born or mixed parentage.....	11	0	5	16
(c) Foreign born.....	1	0	3	4
Negro.....	5	0	2	7
Other races.....	0	0	0	0
Unknown.....	0	3	1	4

¹ 26 per cent of class A. ² 48 per cent of class A. ³ 4 per cent of class A. ⁴ 22 per cent of class A.

TABLE III.—*Sex incidence of cases (40).*

Sex.	Class A.	Class B.	Class C.	Total.
Male.....	13	2	10	25
Female.....	10	2	3	15

TABLE IV.—*Age at onset of cases (40).*

Age (years).	Class A.	Class B.	Class C.	Total.
1 to 10.....	1	1	0	2
11 to 20.....	8	0	2	10
21 to 30.....	2	9	0	2
31 to 40.....	5	0	3	8
41 to 50.....	2	1	0	3
51 to 60.....	3	0	2	5
Over 61.....	0	0	2	2
Age unknown.....	2	2	4	8

TABLE V.—*Time of residence in focus before onset (40).*

Number of years.	Class A.	Class B.	Class C.	Total.
1 to 5.....	2	0	1	3
6 to 10.....	1	0	0	1
11 to 15.....	8	0	2	10
16 to 20.....	5	1	4	10
21 to 30.....	2	0	0	2
31 to 40.....	2	0	0	2
41 to 50.....	0	0	1	1
51 and more.....	1	0	1	2
Length of residence not known.....	2	3	4	9

From Table IV it would appear that especial susceptibility is not observed at any particular age period. In order to ascertain if length of residence within this area rather than age was an influencing factor in determining the onset, we divided our cases into two groups, according to their birthplace. The first group comprises those born within this area and the second group those born elsewhere. The individuals comprised within each of these groups were then separately classified according to length of residence and age at onset. These data are presented in Table VI. As would be expected, there is a close correlation between the length of residence and the date of onset among those born locally, the maximum correlation occurring during the second decade of life and residence. On the other hand, among those born elsewhere this correlation is not found. It is to be noted, however, that the maximum number of onsets in this group have occurred during the second decade of residence, whereas the ages of onset are among the later periods of life. It therefore appears proper to conclude that length of residence within this area rather than age is a determining factor in influencing the onset.

TABLE VI.—*Relation of age and residence to onset (40).*

Age (years).	Cases born in area.		Cases born elsewhere.	
	Length of residence.	Age at onset.	Length of residence.	Age at onset.
1 to 10.....	2	1	2	1
11 to 20.....	9	9	11	1
21 to 30.....	1	2	1	0
31 to 40.....	2	2	0	6
41 to 50.....	0	0	1	3
51 and over.....	1	1	1	6
Unknown.....	3	3	6	5

NOTE.—Apparent discrepancies in first and second columns are due to cases which moved away and later returned.

The patients are, or were at the time of the investigation, engaged in the following occupations:

TABLE VII.—Occupations of patients (45).

Occupation.	Class A.	Class B.	Class C.	Total.
Real estate agent.....	0	0	1	1
School child.....	2	0	0	2
Locomotive engineer.....	1	0	0	1
Laborer.....	10	0	4	14
Retired tailor.....	1	0	0	1
Delivery boy.....	1	0	0	1
Laundry worker.....	0	0	1	1
Housework.....	7	1	1	9
Seamstress.....	1	0	0	1
Sailor.....	0	1	0	1
Cashier.....	1	0	0	1
At home.....	1	0	0	1
Fireman.....	1	0	0	1
Stenographer.....	0	1	0	1
Harness maker.....	0	0	1	1
Hospital orderly.....	0	1	0	1
Not known.....	9	2	5	7

Multiple or single cases have occurred as follows:

TABLE VIII.—Number of cases in invaded households (45).

	Class A.	Class B.	Class C.	Total.
Households with 1 case.....	19	6	7	32
Households with 2 cases.....	2	0	3	5
Households with 3 cases.....	1	0	0	1
Family with 4 cases (included above).....	1	0	0	1

Clinically, these cases may be grouped as follows:

TABLE IX.—Frequency of different clinical types (45).

Type.	Class A.	Class B.	Class C.	Total.
Tuberculous.....	11	2	4	17
Anesthetic.....	5	1	0	6
Mixed.....	10	2	9	21
Not known.....	0	1	0	1
Ulcerative (included in mixed).....	1	0	0	1

The duration of these cases has been as follows:

TABLE X.—Duration of illness in cases (45).

Duration.	Class A.	Class B.	Class C.	Total.
Less than 1 year.....	2	0	0	2
From 1 to 2 years.....	2	0	1	3
From 1 to 3 years.....	5	0	0	5
From 1 to 4 years.....	3	0	2	5
From 1 to 5 years.....	3	0	1	4
From 1 to 6 years.....	1	0	0	1
From 1 to 7 years.....	2	0	1	3
From 1 to 8 years.....	2	0	1	3
From 1 to 9 years.....	0	2	0	2
From 1 to 10 years.....	2	0	0	2
From 1 to 15 years.....	2	0	0	2
From 1 to 17 years.....	0	0	1	1
From 1 to 24 years.....	0	0	1	1
Not known.....	1	4	5	10

In considering the data presented in this series of tables, the following facts stand out:

(1) The majority of known lepers within this city have acquired infection locally.

(2) A comparison of the racial incidence of cases with the current distribution of the population is, at the time of this writing, impossible, since the results of the 1920 census are not yet available. Furthermore, an accurate estimate for 1920 can not be made. Accordingly, we shall have to employ the 1910 population composition.

TABLE XI.—*Racial incidence of leprosy compared with racial composition of the population.*

Race.	Per cent of living lepers, 1920.	Per cent of population in 1910.
White:		
Native-born parentage.....	26	34.2
Native born of foreign or mixed parentage.....	48	27.3
Foreign born.....	4	16.7
Negro.....	22	21.7

Thus, it is apparent that cases have occurred among whites and Negroes only in proportion to their distribution in the population of this area. On the other hand, it is to be noted that the cases are more numerous among those whites of foreign-born parentage than among native-born whites. The incidence among those of German parentage seems to be proportionately higher than among those of other descent. Thus, in 1910 the native-born whites of foreign-born German parents were 2,365, or 6 per cent of the total population, whereas 35 per cent of the present cases are among their number. The significance of this is not clear. It may indicate greater susceptibility among those of German ancestry or the strain of leprosy prevalent here may be of Teutonic origin.

(3) There were 25 male and 15 female lepers.

(4) Only one of the cases developed the disease before the age of 10; yet the second decade of life contains the onsets of a larger number of cases than any subsequent age periods, none of which is exempt.

(5) For the most part infection appears to develop only after a protracted residence in this area. Only two cases are known to have developed the disease under five years of residence. Most of the cases have appeared following a period of residence of from 11 to 20 years. It appears that the length of residence is a more important factor in determining the age of onset than is the age itself.

(6) Among males the greatest incidence is among laborers. The occupational incidence among females is not suggestive. In general, the occupational incidence coincides with the social status of the cases—that is, cases are most prevalent among those in the humbler walks of life.

(7) The disease in this focus tends to run a chronic course, characteristic of its occurrence elsewhere. The tuberculous type is more common than the anesthetic, and the mixed is more frequent than either of the others. Only one of the present cases has any ulcerations.

ANNUAL INCIDENCE.

The annual incidence of leprosy within recent years is shown in the following table:

TABLE XII.—*Annual incidence of leprosy.*

Year.	Popula- tion (mid year).	Onset.		Cases reported.	Death rate per 100,000.
		Number.	Rate per 100,000.		
1911.....	37,851	0	0	1	0
1912.....	38,597	2	5.2	2	2.6
1913.....	39,343	2	5.1	2	2.5
1914.....	40,069	1	2.5	0	2.5
1915.....	40,835	1	2.4	0	0
1916.....	41,581	4	9.6	0	4.8
1917.....	42,327	4	9.4	0	0
1918.....	43,073	2	4.7	8	0
1919.....	43,819	1	2.3	3	4.5
1920 ¹	44,565	1	2.2	1	2.2

¹ June 1.

While our information concerning the incidence of leprosy prior to 1910 is meager, and in all probability the majority of cases are unrecorded, yet it is uncertain that the incidence of the disease has increased materially during the last decade. An idea of the recent comparative incidence of leprosy in this focus and other foci of the disease is given in the following table:

TABLE XIII.—*Comparative incidence of leprosy in several foci.*

Locality.	Number of cases known living in focus.	Cases reported during year.
Local focus (1918) (own data).....	26	8
State of Texas (1918) ¹	18	0
New York City (1918) ¹	23	2
San Francisco (1918) ¹	19	7
State of Minnesota (1918) ¹	16	2
United States (continental) (1918) ¹	209	63

¹ Data from Annual Report of the Surgeon General, United States Public Health Service, 1919.

From our study we feel confident that there are still a number of unrecognized cases of leprosy living in this focus, yet the foregoing comparison calls attention to the inadequacy of our knowledge of the incidence of the disease in the United States as a whole, particularly when we note the number reported from the entire State of Texas compared with the number known in this focus (which is in Texas) during

the same year. Even considering the notorious inadequacy of our knowledge of the prevalence of leprosy in the United States, it seems possible that the actual incidence of the disease in this focus is greater than in most, if not all other, of those areas in the United States where the disease is known to be endemic.

GEOGRAPHICAL DISTRIBUTION OVER THE ENDEMIC AREA.

The city under consideration is divided into 13 precincts. The density of population in each precinct and the incidence of leprosy therein are shown in Table XIV.

TABLE XIV.—*Density of population and leprosy incidence.*

Precinct.	Popula- tion, 1910.	Density per acre.	Lepers popula- tion, 1920.	Lepers originat- ing in each area.	Cases of German descent.
1.....	2,943	22	1	6	3
2.....	2,810	31	1	2	0
3.....	2,425	23	1	1	0
4.....	2,505	24	3	1	2
5.....	3,228	31	0	1	0
6.....	4,553	6	8	6	4
7.....	3,960	2	5	7	1
7½.....	2,615	12	1	2	0
8.....	2,609	13	0	0	0
9.....	2,468	12	0	0	0
10.....	2,515	17	4	6	4
11.....	2,352	16	0	0	0
12.....	1,998	19	2	3	0

It is to be noted that in three precincts we have no record of either past or present cases of leprosy originating therein. It is also to be noted that the distribution of these cases is not proportional to the density of population, and that we can further distinguish several well-defined local foci of infection, where a circle with a radius of two or three blocks will circumscribe all the cases in that area. Thus we can note one such focus in the first and second precincts; another in the sixth, one which lies in both the sixth and seventh precincts; one in the tenth precinct, and another in the twelfth precinct. It is also to be noted that the focus in the first and second precinct has very nearly become extinct, the majority of the cases having either died or moved away, while those still remaining are of several years duration. The focus which lies in both the sixth and seventh precinct appears quiescent, for no new cases have been reported within this area for several years. The westerly focus in the sixth precinct, the focus in the tenth, and the focus in the twelfth precincts appear to be active at present and have contributed the cases recognized within the last two years.

Referring to the high incidence of the disease among persons of German birth or descent, and noting the place of their residence, it is found that most of these cases are concentrated in the first, sixth,

and tenth precincts. This suggests that there may have existed a degree of social contact among these cases, despite negative histories of contact given to us in reply to interrogations.

DATA RELATING TO ROUTE OF INFECTION.

We have already stated that of the households in which at present are living cases, 19 have one case; 2 two cases; and 1 three cases. In addition, surveying all of the past or present cases known to us, we were able to secure the following data relative to known association with a case of leprosy prior to the onset.

TABLE XV—*History of contact with lepers prior to onset (45).*

History of contact.	Class A.	Class B.	Class C.	Total.
Known association with a leper at—				
Home.....	7	0	1	8
Elsewhere.....	6	1	3	10
Contact not known.....	10	1	1	12
No data secured.....	3	4	8	15

In 30 cases we were able to secure definite information upon this point. Eighteen of these, or 60 per cent, gave a history of such association prior to the development of their own illness.

Contact with preexisting cases of leprosy took place under the following circumstances:

Case 5 conducted a rooming and boarding house in which case 30 lived for three months, one year prior to the onset of case 5.

Case 8 went on frequent fishing trips with case 25.

Case 9 slept with case 48 for a period of two months, 10 years prior to her own onset.

Case 10 associated with a leprosy brother-in-law and niece in Mexico.

Case 11 is in contact with her mother, case 43, whose illness was diagnosed as pellagra.

Case 12, as a boy, played with cases 37 and 46.

Case 13, contact with mother, case 14.

Case 14, contact with husband, who did not reside in this city.

Case 15, contact with mother, case 11. In this family there are three generations of leprosy cases.

Cases 17 and 18 are two brothers, whose onsets were practically simultaneous. Contact with mother, case 19.

Case 21. A granddaughter of case 19 and a niece of cases 17 and 18. This is a second instance of three generations of leprosy patients in one family.

Case 25 was, as a child, associated with cases 17 and 18.

Case 40 is a brother of case 48.

Case 41 was in contact with his mother, who probably contracted infection while living in Mexico.

Case 46, slept with his older brother, case 37.

It might be possible that the tuberculous and anesthetic types of leprosy are due to separate strains of the bacillus, each having a different selective localization in the body. If this is the case, it might also be possible that the histories of contact would show that the strain breeds true, i. e., tuberculous cases of leprosy give rise to tuberculous cases, providing the known leprous associates were the actual source from whom infection was secured.

Data bearing upon this point are presented in the following table:

TABLE XVI.—*Type of case with whom living cases were in contact (26).*

Living cases giving a history of contact.			Living cases not giving a history of contact.
Clinical type.	Number of cases.	Contact known with—	
1. Tuberculous.....	4	4 tuberculous lepers.....	7 cases.
2. Anesthetic.....	2	1 mixed leper.....	3 cases.
		1 anesthetic leper.....	
3. Mixed.....	7	3 tuberculous lepers.....	3 cases.
		1 anesthetic leper.....	
		1 mixed leper.....	
		1, type unknown.....	
		1, to both simple types.....	

From these data it would appear that if these cases do owe their origin to contact transmission from cases with whom they are known to have been in contact, the clinical types of leprosy are possibly due to the selective preference of different strains of leprosy for either the subcutaneous or nervous tissues, which strains tend to maintain this behavior on transfer.

In view of the inadequacy of our data to entirely explain the grouping of the cases into several small foci on the basis of contact transfer, it may be worth while to consider other possible means of transfer. The only other routes of transmission, with which we are familiar, that would produce a similar epidemiological picture, are those through insects. (1) From the short radius of these foci it would appear that the assumed insect has a very narrow radius of activity; and (2) from the relatively few cases that develop in a focus, it would seem that the insect is not a very efficient means for the conveyance of the organisms. So far as the local insect fauna is concerned, there are three species that command our attention in this connection, namely, *Musca domestica*, *Aedes calopus* (*Stegomyia fasciata*), and *Cimex lectularius*.

That leprosy bacilli can possibly be conveyed by insects, especially those which suck blood, would appear possible from the following facts:

(1) The leprosy bacilli are present in the subcutaneous tissues of patients at a depth where they could be reached by the proboscis of a blood-sucking insect, or are present in the discharges from ulcerations.

(2) The localization of our cases is suggestive of the activity of known species having a narrow radius of activity. The three species mentioned tend to have such a narrow radius.

Against this view may be advanced the following facts:

(1) The known infections transmitted through the activity of these insects tend to spread more rapidly with a higher incidence than leprosy, even making allowance for the fact that the former are acute infections, while leprosy is chronic.

(2) The known observations upon the presence of leprosy bacilli in insects have given very few positive results. Currie (2) has reviewed the data available upon this point up to 1910 and has submitted some negative data secured by himself regarding mosquitoes. Brinckerhoff (3), Leboeuf (5), and Noc (6) report largely negative observation on mosquitoes, while Thomson (4), Leboeuf (5), and Skelton and Parham (7) report negative results with bedbugs. McCoy and Clegg (8) report positive findings from two head lice captured on a leper. Leboeuf (9) found 19 of 23 house flies fed upon ulcers to be positive, while Honeij and Parker (10) found leprosy bacilli in both the house fly and the stable fly. It is therefore apparent that the idea of insect transmission has little evidence to support it, with the exception of that concerning the house fly. We have previously noted that only one of our present cases is ulcerative. We are therefore forced to conclude that the idea of insect transmission is inadequate to explain the peculiar grouping of our cases.

RAT LEPROSY.

In this connection we made some effort to detect rat leprosy in the course of the examination of some 23,000 rats for plague. Only 7 leprosy rats were identified, as proved by the detection of acid-fast bacilli in smears. These were all Norways. In the course of the search, 14,000 Norway rats were examined. These leprosy rats were secured from precincts 6, 7, 8, and 9. Special effort to secure additional leprosy rats from these areas was made without success.

RELATION OF FISH DIET TO LEPROSY INCIDENCE.

Some years ago considerable attention was drawn to the consumption of fish in relation to the incidence of leprosy. We secured the

following data regarding the consumption of fish from our series of cases:

TABLE XVII.—*Consumption of fish by leprosy patients (45).*

Fish frequently eaten.....	11
Fish occasionally eaten.....	1
Fish rarely eaten.....	9
Fish never eaten.....	2
No data.....	22

This does not appear to support the view that a fish diet bears any relationship to the development of the disease.

CONCLUSIONS.

From the foregoing data, which we have collected, we draw the following conclusions:

(1) The majority of the known cases of leprosy in this focus have acquired infection locally.

(2) There is apparently a greater incidence of the disease among persons native born of foreign-born German parents than among any other group in the population.

(3) There is a preponderance of cases among males.

(4) More cases have developed during the second decade of life than in any other age period, though no age group appears to be immune.

(5) The length of residence within the area appears to be a more important factor than age in determining the onset. The majority of cases develop the disease during the second decade of residence.

(6) It is uncertain whether the area of incidence of the disease is undergoing any increase.

(7) In proportion to the population of the area, there is probably a higher incidence of leprosy in the area studied than elsewhere in continental United States.

(8) The cases within the area are grouped into several distinct foci.

(9) A major proportion of the cases give a history of contact or association with a case of leprosy prior to the onset of their own infection. Known contact transfer will not explain the origin of all the cases or the peculiar grouping into foci of a small radius.

(10) The hypothesis of insect transmission is inadequate to explain the grouping of the cases. More likely, contact with unrecognized cases or unrecognized contact with known lepers is responsible for the 40 per cent of cases from whom a contact history was unobtainable.

In concluding, we should call attention to the fact that absolutely no official control or supervision in any form has ever been exercised over the cases of leprosy within this area.

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THE NOTIFIABLE DISEASES.

PREVALENCE DURING 1919 IN CITIES OF OVER 100,000.¹

ANTHRAX, GONORRHEA, INFLUENZA, MALARIA, PNEUMONIA (ALL FORMS), RABIES IN ANIMALS, RABIES IN MAN, SYPHILIS, TUBERCULOSIS (ALL FORMS AND PULMONARY), CEREBROSPINAL MENINGITIS, DIPHTHERIA, MEASLES, PELLAGRA, POLIOMYELITIS (INFANTILE PARALYSIS), SCARLET FEVER, SMALLPOX, AND TYPHOID FEVER—CASES AND DEATHS REPORTED, 1919; INDICATED CASE AND DEATH RATES PER 1,000 POPULATION; FATALITY RATES PER 100 CASES; AND AVERAGE NUMBER OF CASES REPORTED DURING PRECEDING YEARS.

The following tables were compiled from data furnished by the city health officers. They include all cities in the United States of 100,000 population or over, although one city furnished mortality data only.

The populations given and which were used in computing the rates were estimated as of July 1, 1919, from the preliminary reports of the census of January 1, 1920, and the reports of the census of April 15, 1910. The figures given probably differ somewhat from estimates which will be made later, which will be based on the final reports of the 1920 census and will take into consideration changes in area of the cities between 1910 and 1920, data for which are not now available. The differences, however, will probably not be such as to seriously affect the rates given in the tables.

Averages of the total cases reported annually during the years 1914–1918 were made for cerebrospinal meningitis, diphtheria, measles, scarlet fever, smallpox, and typhoid fever by adding the numbers of cases and dividing the sum by the number of years for which data are available. For pellagra the data were available only for the years 1915 to 1918, inclusive. In compiling the data relative

¹ It will be noted that some of the cities are apparently much more successful in obtaining reports of the notifiable diseases than are others. This may be due to the greater activity of their health departments or to a greater interest in the public welfare on the part of their practicing physicians. That the health departments of certain cities are securing fairly complete information of the prevalence of preventable diseases is indicated in a number of instances by the large numbers of cases reported as compared with the numbers of deaths registered from the same causes.

to poliomyelitis (infantile paralysis) the year 1916 was excluded, as during that year a severe epidemic of this disease occurred in many of the cities, and in order to give a five-year average the year 1913 was included for those cities for which the reports were available.

For all diseases except anthrax and rabies there is given either the fatality rate per 100 cases or the number of cases reported for each death.

In comparing the figures for 1919 with the averages for preceding years, it should be borne in mind that there has been a gradual improvement in the reporting of communicable diseases during the last few years. An increase in the number of cases reported may be due to better reporting of the particular disease rather than to an increase in the number of cases existing.

In studying these tables it should be kept in mind that a relatively large number of reported cases of a communicable disease as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths, as indicated by a low fatality rate) usually means that the health department of that city is active and that the cases of the disease are being well reported by the practicing physicians. It does not usually mean that the disease is more prevalent in that city than in other cities. A high fatality rate may mean that the disease was unusually virulent in a city, that the physicians did not treat the disease in that city with the success usual elsewhere, or that the practicing physicians did not report all of their cases to the health department. On the other hand, an unusually low fatality rate may be due to the fact that the disease in the city was unusually mild, that the physicians treated it with unusual success, that the practicing physicians reported their cases satisfactorily, or that the registration of deaths was incomplete, or the assignment of the causes of death inaccurate.

Cities in which no cases of a certain disease were reported are not included in the table for that disease.

Reported Prevalence for the Year 1919.

ANTHRAX.

City.	Cases reported.	Deaths registered.	City.	Cases reported.	Deaths registered.
Atlanta, Ga.....	2	.....	Milwaukee, Wis.....	.....	1
Baltimore, Md.....	1	0	New York, N. Y.....	14	9
Boston, Mass.....	4	0	Philadelphia, Pa.....	10	4
Camden, N. J. ¹	3	1	Portland, Oreg.....	1	1
Chicago, Ill.....	.....	1	Reading, Pa.....	1	9
Denver, Colo.....	2	1	San Francisco, Calif.....	3	9
Des Moines, Iowa.....	.....	1	Wilmington, Del.....	3	9
Detroit, Mich.....	.....	1	Worcester, Mass.....	1	9
Hartford, Conn.....	1	1			

¹ Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Continued.

GONORRHEA.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Cases reported for each death registered.
Akron, Ohio.....	201,257	2,222	11.04	0		
Atlanta, Ga.....	198,258	585	2.95	1	0.005	585.0
Baltimore, Md.....	724,796	175	.24	24	.033	7.3
Birmingham, Ala.....	175,922	1,838	10.45	1	.006	1,838.0
Boston, Mass.....	744,070	811	1.09	0		
Bridgeport, Conn.....	141,401	211	1.49			
Buffalo, N. Y.....	502,497	760	1.51	1	.002	760.0
Camden, N. J. ¹	115,188	8	.07			
Chicago, Ill.....	2,675,108	6,666	2.50	12	.004	558.0
Cleveland, Ohio.....	784,673	242	.31	11	.014	22.0
Columbus, Ohio.....	234,172	2	.01	0		
Dallas, Tex.....	155,532	1,073	6.90	3	.019	357.7
Denver, Colo.....	254,271	1,767	6.95	0		
Des Moines, Iowa.....	124,403			3	.024	
Detroit, Mich.....	968,547	2,363	2.44	16	.017	147.7
Fall River, Mass.....	120,424	10	.08			
Fort Worth, Tex.....	104,774	316	3.02	1	.010	316.0
Hartford, Conn.....	136,021	127	.93	1	.007	127.0
Houston, Tex.....	135,023	696	5.15	0		
Kansas City, Mo.....	320,494	89	.28	0		
Los Angeles, Calif.....	563,412	1,271	2.26			
Louisville, Ky.....	234,326	40	.17	2	.009	20.0
Memphis, Tenn.....	160,742	254	1.58	0		
Minneapolis, Minn.....	376,504	9	.02	4	.011	2.3
Newark, N. J.....	410,778	1,000	2.43	2	.005	500.0
New Haven, Conn.....	161,030	360	2.24	0		
New Orleans, La.....	384,739	2,326	6.05	3	.008	775.3
New York, N. Y.....	5,577,154			36	.006	
Oakland, Calif.....	212,952	248	1.16	0		
Paterson, N. J.....	135,337	170	1.26	0		
Philadelphia, Pa.....	1,809,039	1,681	.93	10	.006	168.1
Pittsburgh, Pa.....	585,397			2	.003	
Portland, Oreg.....	255,658	826	3.23	1	.004	826.0
Providence, R. I.....	236,912			1	.004	
Richmond, Va.....	169,399	350	2.07	2	.012	175.0
St. Louis, Mo.....	768,475	1,210	1.57	3	.004	403.3
St. Paul, Minn.....	233,573	126	.54	1	.004	126.0
Salt Lake City, Utah.....	116,805			2	.017	
San Francisco, Calif.....	502,053	971	1.93	2	.004	485.5
Seattle, Wash.....	311,611	566	1.82	0		
Spokane, Wash.....	104,435	804	7.70	2	.019	402.0
Toledo, Ohio.....	239,266	54	.23	7	.029	7.7
Yonkers, N. Y.....	99,127	36	.36	1	.010	36.0
Youngstown, Ohio.....	129,613	6	.05	0		

INFLUENZA.

Akron, Ohio.....	201,257	453	2.25	286	1.42	1.6
Albany, N. Y.....	112,670	2,341	20.78	129	1.14	18.1
Atlanta, Ga.....	198,258	1,296	6.54	93	.47	13.9
Baltimore, Md.....	724,796	5,669	7.82	406	.56	14.0
Birmingham, Ala.....	175,922			273	1.55	
Boston, Mass.....	744,070	8,463	11.37	897	1.21	9.4
Bridgeport, Conn.....	141,401	490	3.47	161	1.14	3.0
Buffalo, N. Y.....	502,497	5,226	10.40	426	.85	12.3
Cambridge, Mass.....	109,444	1,260	11.51	71	.65	17.7
Camden, N. J. ¹	115,188	577	5.01			
Chicago, Ill.....	2,675,108	9,237	3.45	1,834	.69	5.0
Cincinnati, Ohio.....	399,308			645	1.62	
Cleveland, Ohio.....	784,673	4,467	5.69	941	1.20	4.7
Columbus, Ohio.....	234,172			231	.99	
Dallas, Tex.....	155,532	768	4.94	142	.91	5.4
Dayton, Ohio.....	150,706			118	.78	
Denver, Colo.....	254,271	416	1.64	57	.22	7.3
Des Moines, Iowa.....	124,403			14	.92	
Detroit, Mich.....	968,547	2,404	2.49	792	.82	3.0
Fall River, Mass.....	120,424	1,300	10.80	126	1.05	10.3
Fort Worth, Tex.....	104,774	27		27	.26	
Grand Rapids, Mich.....	136,343	295	2.16	11	.08	26.9
Hartford, Conn.....	136,021	432	3.18	159	1.17	2.7
Houston, Tex.....	135,023			69	.51	
Indianapolis, Ind.....	310,046	300	1.16	265	.85	1.4

¹ Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Continued.

INFLUENZA—Continued.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Cases reported for each death registered.
Jersey City, N. J.	296,518	605	2.04	304	1.03	2.0
Kansas City, Kans.	100,206	682	6.31	38	.38	16.6
Kansas City, Mo.	320,494	1,317	4.11	372	1.16	3.5
Los Angeles, Calif.	563,412	14,932	26.50	725	1.29	20.6
Louisville, Ky.	234,326	2,560	10.92	65	.28	39.4
Lowell, Mass.	112,426	1,004	8.93	27	.24	37.2
Memphis, Tenn.	160,742	755	4.70	79	.49	9.6
Milwaukee, Wis.	452,857	1,267	2.80	82	.18	15.5
Minneapolis, Minn.	376,504			363		
Nashville, Tenn.	117,931			199	1.69	
Newark, N. J.	410,778	4,188	10.20	267	.65	15.7
New Bedford, Mass.	119,952			3	.03	
New Haven, Conn.	161,030	635	3.94	139	.86	4.6
New Orleans, La.	384,739	7,283	18.93	699	1.82	10.4
New York, N. Y.	5,577,154	25,218	4.52	4,830	.87	5.2
Norfolk, Va.	113,288	160	1.41	47	.41	3.4
Oakland, Calif.	212,952	2,733	12.83	338	1.59	8.1
Omaha, Nebr.	188,124	306	1.63	32	.17	9.6
Paterson, N. J.	135,337	1,191	8.80	73	.54	16.3
Philadelphia, Pa.	1,809,039	4,416	2.44	992	.55	4.5
Pittsburgh, Pa.	585,397	4,769	8.15	896	1.38	5.9
Portland, Oreg.	265,658	5,762	22.54	452	1.77	12.7
Providence, R. I.	236,912	5,638	23.80	269	1.14	21.0
Reading, Pa.	107,181			32	.30	
Richmond, Va.	169,399			200	1.18	
Rochester, N. Y.	291,753	712	2.44	161	.55	4.4
St. Louis, Mo.	768,475	3,414	4.44	406	.53	8.4
St. Paul, Minn.	233,573	737	3.16	163	.70	4.5
Salt Lake City, Utah.	116,805	4,045	34.63	177	1.52	22.9
San Antonio, Tex.	158,043	850	5.38	27	.17	31.5
San Francisco, Calif.	502,053	21,079	41.99	952	1.90	22.1
Scranton, Pa.	137,375			94	.68	
Seattle, Wash.	311,611	464	1.49	368	1.18	1.3
Spokane, Wash.	104,435	2,164	20.72	143	1.37	15.1
Springfield, Mass.	127,470	776	6.09	120	.94	6.5
Syracuse, N. Y.	169,942			59	.35	
Trenton, N. J.	118,132	799	6.76	76	.64	10.5
Washington, D. C.	432,086	4,275	9.89	338	.90	11.0
Wilmington, Del.	108,996			43	.39	
Worcester, Mass.	178,015	1,304	7.33	179	1.01	7.3
Yonkers, N. Y.	99,127	478	4.82	46	.46	10.4
Youngstown, Ohio.	129,613	2,194	16.93	250	1.93	8.8

MALARIA.

Akron, Ohio.	201,257	2	0.010	1	0.005	2.0
Atlanta, Ga.	198,258	21	.106	2	.010	10.5
Baltimore, Md.	724,706	13	.018	3	.004	4.3
Birmingham, Ala.	175,922	30	.171	12	.068	2.5
Boston, Mass.	744,070	10	.013	0		
Camden, N. J.	115,188	2	.017			
Chicago, Ill.	2,675,108			8	.003	
Columbus, Ohio.	234,172			1	.004	
Dallas, Tex.	155,532	311	2.000	12	.077	25.9
Dayton, Ohio.	150,706	3	.020	0		
Detroit, Mich.	966,547			2	.002	
Fall River, Mass.	120,424	1	.008	0		
Fort Worth, Tex.	104,774	3		3	.029	1.0
Houston, Tex.	135,023			20	.148	
Jersey City, N. J.	296,518	3	.010	0		
Kansas City, Kans.	100,206	5	.050	1	.010	5.0
Kansas City, Mo.	320,494	1		2	.006	
Los Angeles, Calif.	563,412	19	.034			
Louisville, Ky.	234,326	15	.064	0		
Lowell, Mass.	112,426	1		1	.009	
Memphis, Tenn.	160,742	26		34	.212	
Milwaukee, Wis.	452,857			1	.002	
Minneapolis, Minn.	376,504	2	.005	1	.003	2.0
Nashville, Tenn.	117,931			5	.042	
Newark, N. J.	410,778	24	.058	0		
New Orleans, La.	384,739	27	.070	18	.047	1.5
New York, N. Y.	5,577,154	50	.009	9	.002	5.6

¹ Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Continued.

MALARIA—Continued.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Cases reported for each death registered.
Paterson, N. J.	135,337	10	0.074	0	.....	.....
Philadelphia, Pa.	1,809,039	6	.003	2	0.001	3.0
Pittsburgh, Pa.	585,397	1	.002	0	.....	.....
Richmond, Va.	169,399	19	.112	1	.006	19.0
Rochester, N. Y.	291,753	.....	.....	1	.003	.....
St. Louis, Mo.	768,475	.....	.....	6	.008	.....
San Antonio, Tex.	158,043	6	.....	6	.038	1.0
San Francisco, Calif.	502,053	7	.014	3	.006	2.3
Springfield, Mass.	127,470	1	.008	0	.....	.....
Toledo, Ohio.	239,266	3	.013	1	.004	3.0
Trenton, N. J.	118,132	6	.051	1	.008	6.0

PNEUMONIA (ALL FORMS).

Akron, Ohio.	201,257	105	.....	295	1.47	.....
Albany, N. Y.	112,670	424	3.76	170	1.51	2.5
Atlanta, Ga.	198,258	60	.....	547	2.76	.....
Baltimore, Md.	724,796	1,915	2.64	1,316	1.82	1.5
Birmingham, Ala.	175,622	.....	.....	330	1.88	.....
Boston, Mass.	744,070	1,609	2.16	955	1.28	1.7
Bridgeport, Conn.	141,401	11	.....	254	1.80	.....
Buffalo, N. Y.	502,497	711	1.41	640	1.27	1.1
Cambridge, Mass.	109,444	* 164	1.50	* 135	1.23	.....
Camden, N. J.	115,188	238	2.07	.....	.....	.....
Chicago, Ill.	2,675,108	10,820	4.04	3,340	1.25	3.2
Cincinnati, Ohio.	399,308	.....	.....	356	.89	.....
Cleveland, Ohio.	784,673	1,274	1.62	1,190	1.52	1.1
Columbus, Ohio.	234,172	.....	.....	277	1.18	.....
Dallas, Tex.	155,532	148	.95	141	.91	1.0
Dayton, Ohio.	150,706	19	.....	152	1.01	.....
Denver, Colo.	254,271	.....	.....	566	2.23	.....
Des Moines, Iowa.	124,403	.....	.....	187	1.50	.....
Detroit, Mich.	966,547	724	.....	1,565	1.65	.....
Fall River, Mass.	120,424	135	.....	151	1.25	.....
Fort Worth, Tex.	104,774	179	.....	179	1.71	.....
Grand Rapids, Mich.	136,343	258	1.89	118	.87	2.2
Hartford, Conn.	136,021	26	.....	245	1.80	.....
Houston, Tex.	135,023	.....	.....	230	1.70	.....
Indianapolis, Ind.	310,046	.....	.....	473	1.53	.....
Jersey City, N. J.	296,518	191	.....	678	2.29	.....
Kansas City, Kans.	100,206	189	.....	213	2.13	.....
Kansas City, Mo.	320,494	524	.....	656	2.05	.....
Los Angeles, Calif.	563,412	1,056	1.87	364	.65	2.9
Louisville, Ky.	234,326	432	.....	732	3.12	.....
Lowell, Mass.	112,426	101	.....	214	1.60	.....
Memphis, Tenn.	160,742	.....	.....	401	2.49	.....
Milwaukee, Wis.	452,857	.....	.....	749	1.65	.....
Minneapolis, Minn.	376,504	.....	.....	276	.73	.....
Nashville, Tenn.	117,931	.....	.....	182	1.54	.....
Newark, N. J.	410,778	2,889	7.03	645	1.57	4.5
New Bedford, Mass.	119,952	52	.....	297	2.48	.....
New Haven, Conn.	161,030	.....	.....	232	1.44	.....
New Orleans, La.	384,739	.....	.....	647	1.68	.....
New York, N. Y.	5,577,154	10,379	.....	10,973	1.97	.....
Norfolk, Va.	113,288	.....	.....	291	2.57	.....
Oakland, Calif.	212,952	39	.....	211	.99	.....
Omaha, Nebr.	188,124	.....	.....	335	1.78	.....
Paterson, N. J.	135,337	984	7.27	247	1.83	4.0
Philadelphia, Pa.	1,809,039	4,116	2.28	3,234	1.79	1.3
Pittsburgh, Pa.	585,397	* 995	.....	* 1,933	3.30	.....
Portland, Ore.	255,658	.....	.....	216	.84	.....
Providence, R. I.	236,912	.....	.....	330	1.39	.....
Reading, Pa.	107,181	14	.....	157	1.46	.....
Richmond, Va.	169,399	13	.....	263	1.55	.....
Rochester, N. Y.	291,753	433	1.48	299	1.02	1.4
St. Louis, Mo.	768,475	.....	.....	1,334	1.74	.....
St. Paul, Minn.	233,573	.....	.....	197	.84	.....
Salt Lake City, Utah.	116,805	6	.....	133	1.14	.....
San Antonio, Tex.	158,043	139	.....	234	1.48	.....
San Francisco, Calif.	502,053	* 556	.....	* 628	1.25	.....

*Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

*Includes lobar pneumonia only.

*Includes pneumonia (all forms).

Reported Prevalence for the Year 1919—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Cases reported for each death registered.
Scranton, Pa.	137,375	.....	.....	227	1.65	.....
Seattle, Wash.	311,611	.....	.....	252	.81	.....
Spokane, Wash.	104,435	197	1.89	89	.85	2.2
Springfield, Mass.	127,470	1247	1.94	154	1.21	.....
Syracuse, N. Y.	169,942	11	.....	197	1.16	.....
Toledo, Ohio.	239,266	23	.....	240	1.00	.....
Trenton, N. J.	118,132	285	2.41	173	1.46	1.6
Washington, D. C.	432,086	.....	.....	635	1.47	.....
Wilmington, Del.	108,996	.....	.....	245	2.25	.....
Worcester, Mass.	178,015	236	.....	277	1.56	.....
Yonkers, N. Y.	99,127	171	1.73	132	1.53	1.1
Youngstown, Ohio	129,613	.....	.....	241	1.86	.....

RABIES IN ANIMALS.

City.	Cases reported.	City.	Cases reported.
Akron, Ohio.	20	Milwaukee, Wis.	1
Cleveland, Ohio.	143	Minneapolis, Minn.	6
Dallas, Tex.	5	Newark, N. J.	4
Dayton, Ohio.	17	Norfolk, Va.	3
Denver, Colo.	2	Providence, R. I.	1
Detroit, Mich.	17	Rochester, N. Y.	34
Fall River, Mass.	5	San Francisco, Calif.	1
Jersey City, N. J.	2	Toledo, Ohio.	7
Kansas City, Mo.	59	Washington, D. C.	16
Louisville, Ky.	12	Yonkers, N. Y.	2

RABIES IN MAN.

City.	Cases reported.	Deaths registered.	City.	Cases reported.	Deaths registered.
Akron, Ohio.	1	1	New York, N. Y.	5	5
Baltimore, Md.	1	1	Philadelphia, Pa.	2	2
Chicago, Ill.	1	1	Pittsburgh, Pa.	1	1
Cleveland, Ohio.	2	2	Rochester, N. Y.	1	1
Denver, Colo.	1	1	St. Louis, Mo.	.....	2
Fall River, Mass.	1	1	Salt Lake City, Utah.	.....	1
Houston, Tex.	1	1	Seattle, Wash.	.....	1
Kansas City, Mo.	1	1	Youngstown, Ohio.	1	1
New Orleans, La.	2	2			

SYPHILIS.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Cases reported for each death registered.
Akron, Ohio.	201,257	897	4.46	8	0.04	112.1
Atlanta, Ga.	198,258	176	.89	14	.07	12.6
Baltimore, Md.	724,796	951	1.31	151	.21	6.3
Birmingham, Ala.	175,922	1,619	9.20	69	.39	23.5
Boston, Mass.	744,070	181	.24	94	.13	1.9
Bridgeport, Conn.	141,404	184	1.30	12	.08	15.3
Buffalo, N. Y.	502,497	1,421	2.83	50	.10	28.4
Camden, N. J.	115,198	2	.02	.....	.....	.....

¹ Includes lobar pneumonia only.

² Includes pneumonia (all forms).

³ Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Continued.

SYPHILIS—Continued.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Cases reported for each death registered.
Chicago, Ill.	2,675,108	3,812	1.42	211	0.08	18.1
Cleveland, Ohio.	784,673	626	.80	139	.18	4.5
Columbus, Ohio.	231,172	.....	.....	25	.11	.....
Dallas, Tex.	155,532	435	2.80	31	.20	14.0
Dayton, Ohio.	150,706	.....	.....	14	.09	.....
Denver, Colo.	254,271	418	1.64	21	.08	19.9
Des Moines, Iowa	124,463	.....	.....	3	.02	.....
Detroit, Mich.	966,547	1,852	1.92	138	.14	13.4
Fall River, Mass.	120,424	8	.....	12	.10	.....
Fort Worth, Tex.	104,774	178	1.70	.....	.....	.....
Hartford, Conn.	136,021	.....	.....	7	.05	.....
Houston, Tex.	135,023	565	4.18	10	.07	56.5
Kansas City, Kans.	100,206	.....	.....	3	.03	.....
Kansas City, Mo.	320,494	26	.....	66	.17	.....
Los Angeles, Calif.	563,412	1,361	2.42	47	.08	29.0
Louisville, Ky.	234,326	10	.04	6	.03	1.7
Memphis, Tenn.	160,742	189	1.18	19	.12	9.9
Milwaukee, Wis.	452,857	.....	.....	5	.01	.....
Minneapolis, Minn.	376,504	.....	.....	47	.12	.....
Newark, N. J.	410,778	571	1.39	40	.10	14.3
New Bedford, Mass.	119,962	.....	.....	2	.02	.....
New Haven, Conn.	161,030	347	2.15	0	.....	.....
New Orleans, La.	384,739	1,603	4.17	87	.23	18.4
New York, N. Y.	5,577,154	.....	.....	476	.09	.....
Oakland, Calif.	212,952	91	.43	6	.03	15.2
Omaha, Nebr.	188,124	.....	.....	12	.06	.....
Paterson, N. J.	135,337	279	2.06	6	.04	46.5
Philadelphia, Pa.	1,909,039	1,889	1.04	304	.17	6.2
Pittsburgh, Pa.	585,397	.....	.....	84	.14	.....
Portland, Oreg.	255,658	187	.73	13	.05	14.4
Providence, R. I.	236,912	.....	.....	23	.10	.....
Richmond, Va.	169,399	578	3.41	35	.21	16.5
St. Louis, Mo.	768,475	741	.96	73	.09	10.2
St. Paul, Minn.	233,573	54	.23	16	.07	3.4
Salt Lake City, Utah.	116,805	.....	.....	16	.14	.....
San Antonio, Tex.	158,043	.....	.....	9	.06	.....
San Francisco, Calif.	502,053	1,076	2.14	81	.16	13.3
Seattle, Wash.	311,611	271	.87	39	.13	6.9
Spokane, Wash.	104,435	128	1.23	14	.13	9.1
Springfield, Mass.	127,470	.....	.....	5	.04	.....
Syracuse, N. Y.	169,942	644	3.79	13	.08	49.5
Toledo, Ohio.	239,266	33	.....	45	.19	.....
Wilmington, Del.	108,966	.....	.....	5	.05	.....
Worcester, Mass.	178,015	.....	.....	20	.11	.....
Yonkers, N. Y.	99,127	150	1.51	4	.04	37.5
Youngstown, Ohio.	129,618	.....	.....	22	.17	.....

TUBERCULOSIS (ALL FORMS).

Akron, Ohio.	201,257	366	1.82	92	0.46	0.4
Albany, N. Y.	112,670	288	2.56	192	1.70	1.5
Atlanta, Ga.	198,258	103	.....	214	1.08	.....
Baltimore, Md.	724,796	1,873	2.58	1,245	1.72	1.5
Birmingham, Ala.	175,922	.....	.....	307	1.75	.....
Boston, Mass.	744,070	2,615	3.51	1,135	1.53	2.3
Bridgeport, Conn.	141,401	.....	.....	149	1.05	.....
Buffalo, N. Y.	592,497	1,292	2.57	614	1.22	2.1
Cambridge, Mass.	109,444	240	2.19	192	1.75	1.2
Camden, N. J.	115,188	193	1.68	52	.45	3.7
Chicago, Ill.	2,675,108	15,607	5.83	3,262	1.22	4.8
Cincinnati, Ohio.	399,308	1,149	2.88	756	1.89	1.5
Cleveland, Ohio.	784,673	1,450	1.85	992	1.26	1.5
Columbus, Ohio.	234,172	305	.....	305	1.30	.....
Dallas, Tex.	155,532	.....	.....	148	.95	.....
Dayton, Ohio.	150,706	.....	.....	161	1.07	.....
Denver, Colo.	254,271	.....	.....	712	2.80	.....
Des Moines, Iowa	121,403	.....	.....	94	.76	.....
Detroit, Mich.	966,547	2,175	2.25	927	.96	2.3
Fall River, Mass.	120,424	340	2.82	158	1.31	2.2
Fort Worth, Tex.	104,774	61	.68	50	.56	1.0
Grand Rapids, Mich.	136,343	204	1.50	81	.59	2.5

¹ Fiscal year Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Continued.

TUBERCULOSIS ALL FORMS—Continued.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhab- itants.	Deaths regis- tered.	Deaths per 1,000 inhab- itants.	Cases reported for each death regis- tered.
Hartford, Conn.	136,021			102	0.75	
Houston, Tex.	135,023			119	1.88	
Indianapolis, Ind.	310,046	527	1.70	431	1.39	1.2
Jersey City, N. J.	296,518	695	2.34	364	1.23	1.9
Kansas City, Kans.	100,206	177	1.77	98	.98	1.8
Kansas City, Mo.	320,494	124		376	1.17	
Los Angeles, Calif.	563,412	2,142	3.80	1,093	1.94	2.0
Louisville, Ky.	234,326	383		391	1.67	
Lowell, Mass.	112,426	288	2.56	143	1.27	2.0
Memphis, Tenn.	160,742			297	1.85	
Milwaukee, Wis.	452,857			380	.84	
Minneapolis, Minn.	376,504	1,128	3.00	462	1.23	2.4
Newark, N. J.	100,778	1,899	4.62	637	1.55	3.0
New Bedford, Mass.	119,952	408	3.40	171	1.43	2.4
New Haven, Conn.	161,030	380	2.42	139	.86	2.8
New Orleans, La.	394,739			881	2.29	
New York, N. Y.	5,577,154			8,499	1.52	
Norfolk, Va.	113,258	214	1.89	140	1.24	1.5
Oakland, Calif.	212,952	318	1.49	216	1.01	1.5
Omaha, Nebr.	188,124			121	.64	
Philadelphia, Pa.	1,809,039	4,993	2.76	2,923	1.62	1.7
Pittsburgh, Pa.	585,397			781	1.33	
Portland, Oreg.	255,658	259	1.01	167	.65	1.6
Providence, R. I.	236,912			327	1.38	
Reading, Pa.	107,181			95	.89	
Richmond, Va.	169,399	604	3.57	283	1.67	2.1
Rochester, N. Y.	291,753	506	1.73	202	.69	2.5
St. Louis, Mo.	788,475	1,848	2.40	852	1.11	2.4
St. Paul, Minn.	223,573	571	2.44	281	1.20	2.0
Salt Lake City, Utah	110,803			85	.73	
San Antonio, Tex.	159,043	222		432	2.73	
San Francisco, Calif.	592,053			904	1.80	
Scranton, Pa.	137,375			125	.91	
Seattle, Wash.	311,611	644	2.07	290	.93	2.2
Spokane, Wash.	104,435	114	1.09	70	.67	1.6
Springfield, Mass.	127,470	183	1.44	112	.88	1.6
Syracuse, N. Y.	169,942	228	1.34	122	.72	1.9
Toledo, Ohio.	230,266	356	1.49	350	1.46	1.0
Trenton, N. J.	118,132	292	2.47	173	1.46	1.7
Washington, D. C.	432,066	1,209	2.80	625	1.45	1.9
Wilmington, Del.	108,996			115	1.06	
Worcester, Mass.	178,015			211	1.19	
Yonkers, N. Y.	99,127	180	1.82	121	1.22	1.5
Youngstown, Ohio.	129,613			128	.99	

TUBERCULOSIS (PULMONARY).

Akron, Ohio.	201,257	350	1.74	81	0.40	4.3
Baltimore, Md.	724,796	1,867	2.58	1,029	1.42	1.8
Birmingham, Ala.	175,922	382	2.17	249	1.42	1.5
Boston, Mass.	744,070	2,333	3.14	964	1.28	2.4
Bridgeport, Conn.	141,401	177	1.25	122	.86	1.5
Buffalo, N. Y.	502,497	1,104	2.20	523	1.04	2.1
Cambridge, Mass.	109,444	216	1.97	176	1.61	1.2
Chicago, Ill.	2,675,108			2,809	1.05	
Cleveland, Ohio.	784,673	1,441	1.82	841	1.07	1.7
Columbus, Ohio.	234,172	290	1.24	248	1.06	1.2
Dallas, Tex.	155,532	218	1.40	129	.83	1.7
Dayton, Ohio.	150,706	175	1.16	136	.90	1.3
Denver, Colo.	254,271			620	2.44	
Des Moines, Iowa	124,403			81	.65	
Detroit, Mich.	966,547	2,064	2.17	755	.78	2.8
Fall River, Mass.	120,424	303	2.52	134	1.11	2.3
Grand Rapids, Mich.	136,343			72	.53	
Hartford, Conn.	136,021	211	1.55	86	.63	2.5
Houston, Tex.	135,023			26	.19	
Indianapolis, Ind.	310,046			361	1.16	
Jersey City, N. J.	296,518			323	1.09	
Kansas City, Kans.	100,206			82	.82	
Louisville, Ky.	234,326	352	1.50	352	1.42	1.1
Lowell, Mass.	112,426	241	2.14	98	.87	2.5
Memphis, Tenn.	160,742	445	2.77	258	1.61	1.7
Milwaukee, Wis.	452,857	904	2.00	315	.70	2.9

Reported Prevalence for the Year 1919—Continued.

TUBERCULOSIS (PULMONARY)—Continued.

City.	Estimated population July 1, 1919.	Cases reported.	Cases per 1,000 inhab- itants.	Deaths regis- tered.	Deaths per 1,000 inhab- itants.	Cases reported for each death regis- tered.
Minneapolis, Minn.	376,504	.....	.....	382	1.01	.....
Nashville, Tenn.	117,931	199	1.69	177	1.50	1.1
Newark, N. J.	410,778	1,644	4.00	552	1.34	3.0
New Bedford, Mass.	119,952	372	3.10	142	1.18	2.6
New Haven, Conn.	161,030	.....	.....	104	.65	.....
New Orleans, La.	884,739	1,293	3.36	812	2.11	1.6
New York, N. Y.	5,977,154	14,570	2.61	7,396	1.33	2.0
Norfolk, Va.	113,288	.....	.....	130	1.15	.....
Oakland, Calif.	212,952	282	1.32	180	.85	1.6
Omaha, Nebr.	188,124	.....	.....	108	.57	.....
Paterson, N. J.	135,337	383	2.83	143	1.06	2.7
Philadelphia, Pa.	1,809,039	.....	.....	2,582	1.43	.....
Pittsburgh, Pa.	585,397	1,053	1.80	637	1.09	1.7
Portland, Oreg.	255,658	257	1.01	159	.62	1.6
Providence, R. I.	236,912	.....	.....	253	1.07	.....
Reading, Pa.	107,181	85	.....	90	.84	.....
Richmond, Va.	169,399	.....	.....	246	1.45	.....
St. Louis, Mo.	768,475	.....	.....	704	.92	.....
St. Paul, Minn.	233,573	488	2.09	240	1.02	2.0
Salt Lake City, Utah	116,805	.....	.....	73	.62	.....
San Francisco, Calif.	502,053	1,453	2.90	758	1.51	1.9
Scranton, Pa.	137,375	156	1.14	92	.67	1.7
Seattle, Wash.	311,611	533	1.71	194	.62	2.7
Spokane, Wash.	104,435	92	.88	49	.47	1.9
Springfield, Mass.	127,470	148	1.16	93	.73	1.6
Syracuse, N. Y.	169,942	.....	.....	84	.49	.....
Toledo, Ohio.	289,266	.....	.....	314	1.31	.....
Trenton, N. J.	118,132	269	2.28	162	1.37	1.7
Washington, D. C.	432,086	1,186	2.74	563	1.30	2.1
Worcester, Mass.	178,015	306	1.72	174	.98	1.8
Yonkers, N. Y.	99,127	165	1.66	103	1.04	1.6
Youngstown, Ohio.	129,613	95	.73	90	.69	1.1

Reported Prevalence for the Year 1919—Averages for Previous Years.

CEREBROSPINAL MENINGITIS.

City.	Estimated population, July 1, 1919.	Average.		1919.					City.
		Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 in-hab-itants.	Deaths regis-tered.	Deaths per 1,000 in-hab-itants.	Fatalities per 100 cases.	
Akron, Ohio.	201,257	1914, 1915, 1917, 1918.	4	45	14	35	0.174		Akron, Ohio.
Albany, N. Y.	112,670	1914-1918.	5	5	9	9		.045	Albany, N. Y.
Atlanta, Ga.	198,258	1916-1918.	3	6	68	39		.054	Atlanta, Ga.
Baltimore, Md.	724,796	1914-1918.	5	64	15	0.094		57.4	Baltimore, Md.
Birmingham, Ala.	175,922	1914-1918.	5	17	75	.085		73.3	Birmingham, Ala.
Boston, Mass.	744,070	1914-1918.	5	72	75	.101		73.3	Boston, Mass.
Bridgeport, Conn.	141,401	1914-1918.	5	18	6			.037	Bridgeport, Conn.
Buffalo, N. Y.	502,497	1914-1918.	5	25	17	.034		58.8	Buffalo, N. Y.
Cambridge, Mass.	109,444	1917-1918.	2	12	6	.055		33.3	Cambridge, Mass.
Camden, N. J.	115,168	1914-1918.	5	1	1			.009	Camden, N. J.
Chicago, Ill.	2,675,108	1914-1918.	5	176	108	.040		43.5	Chicago, Ill.
Cincinnati, Ohio.	399,308	1914-1918.	5	28	12	.030		50.0	Cincinnati, Ohio.
Cleveland, Ohio.	784,673	1914-1918.	5	73	18	.023		16.7	Cleveland, Ohio.
Columbus, Ohio.	234,172	1914-1918.	5	8	1	.004			Columbus, Ohio.
Dallas, Tex.	155,532	1915-1918.	4	8	10	.064		60.0	Dallas, Tex.
Dayton, Ohio.	150,706	1914-1918.	5	10	8	.053		37.5	Dayton, Ohio.
Denver, Colo.	254,271	1914-1917.	4	4	6	.024			Denver, Colo.
Des Moines, Iowa.	124,403	1916-1918.	3	5				.032	Des Moines, Iowa.
Detroit, Mich.	966,547	1914-1918.	5	45	56	.038		67.9	Detroit, Mich.
Fall River, Mass.	120,424	1914-1918.	5	7	10	.083		70.0	Fall River, Mass.
Fort Worth, Tex.	104,774	1915-1918.	4	1	2	.019			Fort Worth, Tex.
Grand Rapids, Mich.	136,343	1914-1918.	5	6	6			.132	Grand Rapids, Mich.
Hartford, Conn.	136,021	1914-1918.	5	38	6			.007	Hartford, Conn.
Houston, Tex.	135,023	1916-1918.	3	5	5	.037		20.0	Houston, Tex.
Indianapolis, Ind.	310,046	1914-1918.	5	23	4			.030	Indianapolis, Ind.
Jersey City, N. J.	296,518	1914-1918.	5	23	19	.064		78.9	Jersey City, N. J.
Kansas City, Kans.	100,206	1914, 1917, 1918.	3	11	10	.100		50.0	Kansas City, Kans.
Kansas City, Mo.	320,494	1914-1918.	5	25	10	.066		57.1	Kansas City, Mo.
Los Angeles, Calif.	563,412	1914-1918.	5	25	31	.055		22.6	Los Angeles, Calif.
Louisville, Ky.	234,328	1914-1918.	5	25	31			.012	Louisville, Ky.
Lowell, Mass.	112,426	1914-1918.	5	13	8	.071		75.0	Lowell, Mass.
Memphis, Tenn.	160,742	1917-1918.	2	2	10	.062		70.0	Memphis, Tenn.
Milwaukee, Wis.	452,857	1918.	1	20	10			.046	Milwaukee, Wis.
Minneapolis, Minn.	376,504	1915-1918.	4	14	10	.027		30.0	Minneapolis, Minn.
Nashville, Tenn.	117,931	1914-1918.	5	13	24	.204		58.3	Nashville, Tenn.

Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

* Average less than 1.

Reported Prevalence for the Year 1919—Averages for Previous Years—Continued.

CEREBROSPINAL MENINGITIS—Continued.

City.	Estimated population, July 1, 1919.	Average.			1919.					City.
		Years included.	Number of years.	Cases reported.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.	
Newark, N. J.	410,776	1914-1918	5	48	42	0.102	22	0.064	52.4	Newark, N. J.
New Bedford, Mass.	119,952	1914-1918	5	2	11	.083	5	.042	27.3	New Bedford, Mass.
New Haven, Conn.	161,620	1914-1918	5	9	12	.031	3	.019	50.0	New Haven, Conn.
New Orleans, La.	394,739	1914-1918	5	23	317	.087	6	.016	54.6	New Orleans, La.
New York, N. Y.	5,577,151	1914-1918	5	311	2	.018	173	.031		New York, N. Y.
Norfolk, Va.	112,288	1916	1	28	2	.018				Norfolk, Va.
Oakland, Calif.	212,952	1914-1918	5	2	2	.009	1	.005	53.0	Oakland, Calif.
Omaha, Neb.	188,124	1914-1916-1917	3	14	7	.037	6	.032	85.7	Omaha, Neb.
Paterson, N. J.	135,337	1914-1918	5	5	19	.140	8	.059	42.1	Paterson, N. J.
Philadelphia, Pa.	1,809,959	1914-1918	5	150	68	.038	46	.025	67.7	Philadelphia, Pa.
Pittsburgh, Pa.	595,397	1914-1918	5	49	10	.017	9	.015	90.0	Pittsburgh, Pa.
Portland, Ore.	255,658	1916-1918	3	1	15	.059	8	.031	53.3	Portland, Ore.
Portland, R. I.	266,912	1914-1918	5	26	24	.101	9	.038	37.5	Portland, R. I.
Reading, Pa.	107,181	1914-1918	5	3	3	.028	2	.019	66.7	Reading, Pa.
Richmond, Va.	169,799	1914-1918	5	2	2		4	.024		Richmond, Va.
Richmond, N. Y.	291,753	1914-1916-1918	4	7	12	.041	7	.024	88.3	Richmond, N. Y.
St. Louis, Mo.	768,475	1914-1918	5	74	37	.048	12	.016	32.4	St. Louis, Mo.
St. Paul, Minn.	233,573	1914-1918	5	15	3	.013	2	.009	66.7	St. Paul, Minn.
Salt Lake City, Utah	116,806	1914-1918	5	5	8	.068	3	.026	37.5	Salt Lake City, Utah.
San Antonio, Tex.	185,043	1915-1918	4	12	10		10	.063		San Antonio, Tex.
San Francisco, Calif.	502,083	1914-1918	5	18	40	.080	16	.032	40.0	San Francisco, Calif.
Serranito, Pa.	137,375	1914-1918	5	2	5	.036	4	.029	80.0	Serranito, Pa.
Seattle, Wash.	311,611	1914-1918	5	6	14	.045				Seattle, Wash.
Spokane, Wash.	104,455	1915-1918	3	3	1		1	.010		Spokane, Wash.
Springfield, Mass.	127,470	1914-1918	5	5	2		3	.024		Springfield, Mass.
Syracuse, N. Y.	169,942	1914-1918	5	5	2		3	.018		Syracuse, N. Y.
Toledo, Ohio	239,266	1914-1918	5	6	4	.017	1	.004	25.0	Toledo, Ohio.
Trenton, N. J.	118,132	1914-1918	5	5	8	.068	6	.061	75.0	Trenton, N. J.
Washington, D. C.	432,066	1914-1917	4	13	13	.030	8	.019	61.5	Washington, D. C.
Wilmington, Del.	106,990	1914-1917, 1917-1918	4	1	1	.028	2	.018	66.7	Wilmington, Del.
Worcester, Mass.	178,015	1914-1918	5	12	9	.051	6	.034	25.0	Worcester, Mass.
Yonkers, N. Y.	99,127	1914-1916-1918	4	4	5	.040	1	.010	66.7	Yonkers, N. Y.
Youngstown, Ohio	129,613	1916-1918	3	14	3	.023	2	.015		Youngstown, Ohio.

Reported Prevalence for the Year 1919—Averages for Previous Years—Continued.

DIPHTHERIA—Continued.

City.	Average.			1919				City.
	Estimated population, July 1, 1919.	Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 in-habitants.	Deaths regis-tered.	Deaths per 1,000 in-hab-itants.		Fatalities per 100 cases.
Providence, R. I.	235,912	1914-1918.	5	751	4.19	77	0.33	7.8
Reading, Pa.	107,181	1914-1918.	5	137	2.07	27	.25	9.4
Richmond, Va.	169,369	1914-1918.	5	274	2.57	15	.09	5.9
Rochester, N. Y.	231,758	1914-1918.	5	316	2.37	48	.16	6.1
St. Louis, Mo.	768,475	1914-1918.	5	3,181	4.39	260	.34	7.7
St. Paul, Minn.	233,573	1914-1918.	5	753	3.265	86	.37	6.8
Salt Lake City, Utah.	116,905	1914-1918.	5	122	1.04	11	.09	9.9
San Antonio, Tex.	158,043	1915-1918.	4	132	1.45	15	.10	6.5
San Francisco, Calif.	502,053	1914-1918.	5	1,008	1.10	51	.15	10.2
Seawson, Pa.	137,375	1914-1918.	5	325	1.59	21	.13	10.2
Seattle, Wash.	311,611	1914-1918.	5	146	3.66	43	.14	11.2
Spokane, Wash.	104,435	1916-1918.	3	49	1.09	2	.02	1.8
Springfield, Mass.	127,470	1914-1918.	5	299	1.10	25	.20	17.9
Syracuse, N. Y.	169,949	1914-1918.	5	330	1.73	24	.14	8.2
Toledo, Ohio.	229,266	1914-1918.	5	307	1.33	26	.11	8.2
Trenton, N. J.	118,137	1914-1918.	5	273	1.89	15	.13	6.9
Washington, D. C.	432,086	1914-1918.	5	678	2.71	119	.26	10.2
Washington, Del.	108,999	1914, 1915, 1917, 1918.	4	84	1.40	22	.20	14.4
Worcester, Mass.	178,015	1914, 1916-1918.	4	271	1.86	16	.09	4.9
Yonkers, N. Y.	96,127	1914, 1916-1918.	4	264	2.97	12	.12	4.1
Youngstown, Ohio.	129,612	1916-1918.	3	182	1.70	23	.18	10.5

MEASLES.

City.	Estimated population, July 1, 1919.	Years included.	Number of years.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	Fatalities per 100 cases.
Akron, Ohio.	265,257	1914, 1915, 1917, 1918.	4	539	5.34	3	0.015	0.3
Albany, N. Y.	112,670	1914-1918	5	715	6.17	5	.044	.7
Atlanta, Ga.	185,298	1917-1918	2	736	1.48	1	.006	.3
Baltimore, Md.	724,796	1914-1918	5	3,837	825	1	.010	.8
Birmingham, Ala.	175,923	1914-1918	5	1,931	1.44	7	.040	2.5
Boston, Mass.	744,070	1914-1918	5	5,224	2.55	254	.034	1.2
Bridgeport, Conn.	141,401	1914, 1915, 1917, 1918.	4	323	4.03	565	.092	2.3
Buffalo, N. Y.	502,497	1914-1918	5	2,768	2.78	13	.073	2.6
Cambridge, Mass.	109,444	1917, 1918.	2	1,354	1.75	39	.018	1.0
Akron, Ohio.								
Albany, N. Y.								
Atlanta, Ga.								
Baltimore, Md.								
Birmingham, Ala.								
Boston, Mass.								
Bridgeport, Conn.								
Buffalo, N. Y.								
Cambridge, Mass.								

Camden, N. J.	115, 188	1914-1918	5	10, 649	414	74	64	200	.075	1.2	Camden, N. J.
Chicago, Ill.	2, 673, 938	1914-1918	5	10, 649	414	16, 075	6.01	200	.075	1.2	Chicago, Ill.
Cincinnati, Ohio	366, 306	1914-1918	5	755	755	982	2.46	9	.9	.9	Cincinnati, Ohio
Cleveland, Ohio	784, 672	1914-1918	5	2, 636	755	202	2.72	48	.031	2.2	Cleveland, Ohio
Columbus, Ohio	284, 172	1914-1918	5	1, 111	202	202	.86	0	.06	.06	Columbus, Ohio
Dallas, Tex.	155, 333	1914-1918	5	1, 233	27	124	.17	1	.067	3.7	Dallas, Tex.
Dayton, Ohio	166, 766	1914-1918	5	1, 233	27	124	.82	1	.067	3.2	Dayton, Ohio
Denver, Colo.	254, 271	1914-1918	5	2, 548	314	314	1.24	1	.004	.3	Denver, Colo.
Des Moines, Iowa	124, 469	1918	1	86	86			1	.006	.006	Des Moines, Iowa
Detroit, Mich.	965, 547	1915-1918	4	1, 488	2, 302	2, 302	2.38	73	.074	3.1	Detroit, Mich.
Fall River, Mass.	120, 424	1914-1918	4	1, 215	1, 215	10, 077	10.07	50	.45	4.6	Fall River, Mass.
Fort Worth, Tex.	104, 774	1915-1918	4	437	1, 110	1, 110	1.05	1	.9	.9	Fort Worth, Tex.
Grand Rapids, Mich.	136, 343	1914-1918	4	1, 179	330	2, 42	2.42	2	.015	.6	Grand Rapids, Mich.
Hartford, Conn.	136, 031	1914-1918	4	1, 584	682	682	5.69	13	.096	1.9	Hartford, Conn.
Houston, Tex.	135, 028	1916-1918	3	550				2	.015	.015	Houston, Tex.
Indianapolis, Ind.	319, 046	1914-1918	5	3, 785	473	473	3.14	5	.014	.5	Indianapolis, Ind.
Jersey City, N. J.	298, 518	1914-1918	5	1, 134	678	678	1.58	8	.027	1.7	Jersey City, N. J.
Kansas City, Kans.	100, 204	1914-1917, 1918	5	1, 610	1, 123	1, 123	1.15	0	.07	.07	Kansas City, Kans.
Kansas City, Mo.	320, 494	1914-1918	5	1, 610	1, 123	1, 123	3.50	31	.07	2.8	Kansas City, Mo.
Los Angeles, Calif.	663, 412	1914-1918	5	3, 752	183	183	.78	2	.009	1.1	Los Angeles, Calif.
Louisville, Ky.	234, 326	1914-1918	5	3, 752	183	183	1.49	4	.083	2.4	Louisville, Ky.
Lowell, Mass.	112, 420	1914-1918	5	547	104	104	1.49	4	.083	2.4	Lowell, Mass.
Memphis, Tenn.	180, 742	1917-1918	2	1, 579	721	721	1.97	7	.019	.9	Memphis, Tenn.
Minneapolis, Wis.	462, 837	1915-1918	4	3, 967	410	410	3.46	13	.110	3.2	Minneapolis, Wis.
Minneapolis, Minn.	376, 604	1914-1918	5	1, 644	661	661	1.61	7	.017	1.1	Minneapolis, Minn.
Nashville, Tenn.	410, 778	1914-1918	5	5, 142	661	661	6.01	3	.025	.4	Nashville, Tenn.
Newark, N. J.	119, 952	1914-1918	5	773	556	556	5.31	8	.003	.9	Newark, N. J.
New Bedford, Mass.	161, 030	1914-1918	5	773	556	556	1.47	219	.039	2.7	New Bedford, Mass.
New Haven, Conn.	391, 730	1914-1918	5	2, 143	103	103	2.71	2	.006	.9	New Haven, Conn.
New Orleans, La.	5, 577, 144	1914-1918	5	28, 585	8, 194	8, 194	1.47	219	.039	2.7	New Orleans, La.
New York, N. Y.	113, 288	1918	1	381	86	86	2.09	2	.009	.4	New York, N. Y.
Norfolk, Va.	212, 624	1914-1918	5	566	445	445	2.21	2	.009	.4	Norfolk, Va.
Oakland, Calif.	188, 324	1914-1918, 1918	5	566	445	445	2.21	2	.009	.4	Oakland, Calif.
Omaha, Neb.	385, 387	1914-1918	5	1, 010	416	416	1.70	40	.021	1.0	Omaha, Neb.
Paterson, N. J.	1, 869, 969	1914-1918	5	9, 464	3, 076	3, 076	1.70	40	.021	1.0	Paterson, N. J.
Philadelphia, Pa.	265, 367	1914-1918	5	4, 847	969	969	1.40	10	.007	1.1	Philadelphia, Pa.
Pittsburgh, Pa.	485, 969	1916-1918	3	2, 063	118	118	.46	0	.017	.5	Pittsburgh, Pa.
Portland, Ore.	235, 912	1914-1918	5	823	35	35	.15	4	.017	.5	Portland, Ore.
Providence, R. I.	107, 181	1914-1918	5	908	2, 292	2, 292	21.35	12	.112	11.4	Providence, R. I.
Reading, Pa.	169, 369	1914-1918	5	1, 987	403	403	2.87	4	.024	1.0	Reading, Pa.
Richmond, Va.	281, 575	1914-1918	5	1, 987	403	403	2.87	4	.024	1.0	Richmond, Va.
Rochester, N. Y.	768, 475	1914, 1915, 1917, 1918	5	1, 987	749	749	2.87	9	.031	1.2	Rochester, N. Y.
St. Louis, Mo.	233, 375	1914-1918	4	4, 867	1, 980	1, 980	2.86	84	.044	1.7	St. Louis, Mo.
Salt Lake City, Utah	116, 805	1914-1918	4	1, 433	1, 433	1, 433	6.89	16	.069	1.2	Salt Lake City, Utah
San Antonio, Tex.	185, 043	1915-1918	5	1, 381	43	43	.37	1	.006	.28	San Antonio, Tex.
San Francisco, Calif.	502, 053	1914-1918	5	2, 695	2, 012	2, 012	4.01	9	.018	.4	San Francisco, Calif.
Scranton, Pa.	137, 375	1914-1918	5	514	514	514	2.74	6	.019	.6	Scranton, Pa.
Seattle, Wash.	311, 611	1914-1918	5	2, 220	860	860	1.61	1	.010	.6	Seattle, Wash.
Spokane, Wash.	104, 435	1916-1918	3	1, 868	168	168	1.61	2	.016	5.0	Spokane, Wash.
Springfield, Mass.	127, 470	1914-1918	5	1, 728	49	49	.31	2	.016	5.0	Springfield, Mass.

1 Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Averages for Previous Years—Continued.

MEASLES—Continued.

City.	Average.			1919.				City.
	Estimated population, July 1, 1919.	Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 in-habitants.	Deaths per 1,000 regis-tered.	Fatalities per 100 cases.	
Syracuse, N. Y.	169,942	1914-1918.....	5	1,451	0.30	2	0.012	Syracuse, N. Y.
Toledo, Ohio.	239,266	1914-1918.....	5	1,614	12.17	13	.064	Toledo, Ohio.
Trenton, N. J.	118,132	1914-1918.....	5	428	6.32	10	.085	Trenton, N. J.
Washington, D. C.	432,086	1914-1918.....	5	3,267	.43	1	.002	Washington, D. C.
Wilmington, Del.	108,966	1914, 1915, 1917, 1918.	4	208	.44	1	.009	Wilmington, Del.
Worcester, Mass.	178,015	1914, 1916-1918.....	4	513	4.25	23	.129	Worcester, Mass.
Yonkers, N. Y.	99,127	1914, 1916-1918.....	4	751	1.76	16	.123	Yonkers, N. Y.
Youngstown, Ohio.	129,613	1916-1918.....	3	1,182	9.36	16	.123	Youngstown, Ohio.

PELLAGRA.

City.	Average.			1919.				City.
	Estimated population, July 1, 1919.	Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 in-habitants.	Deaths per 1,000 regis-tered.	Fatalities per 100 cases.	
Atlanta, Ga.	198,258	1915-1918.....	4	1	.....	42	0.212	Atlanta, Ga.
Baltimore, Md.	724,798	1915-1918.....	4	115	2	4	.006	Baltimore, Md.
Birmingham, Ala.	175,922	1915-1918.....	4	8	0.003	47	.267	Birmingham, Ala.
Boston, Mass.	745,070	1915-1918.....	4	35	.....	1	.001	Boston, Mass.
Buffalo, N. Y.	502,467	1915-1918.....	4	4	.....	2	.004	Buffalo, N. Y.
Cambridge, Mass.	109,444	1917, 1918.....	2	1	.....	0	.....	Cambridge, Mass.
Chicago, Ill.	2,678,108	1915-1918.....	4	1	.....	4	.001	Chicago, Ill.
Cincinnati, Ohio.	364,308	1915-1918.....	4	1	.....	1	.001	Cincinnati, Ohio.
Cleveland, Ohio.	784,673	1915-1918.....	4	(*)	.....	0	.....	Cleveland, Ohio.
Columbus, Ohio.	284,172	1915-1918.....	4	32	.....	19	.122	Columbus, Ohio.
Dallas, Tex.	185,532	1915-1917.....	3	39	.20	0	48.7	Dallas, Tex.
Denver, Colo.	284,271	1915-1918.....	4	1	.....	0	.....	Denver, Colo.
Des Moines, Iowa.	124,493	1915-1918.....	4	(*)	.....	1	.008	Des Moines, Iowa.
Detroit, Mich.	966,547	1915-1918.....	4	1	.....	0	.....	Detroit, Mich.
Fall River, Mass.	120,424	1915-1918.....	4	1	.....	0	.....	Fall River, Mass.
Fort Worth, Tex.	104,774	1918.....	1	20	.....	15	.143	Fort Worth, Tex.
Hartford, Conn.	136,021	1915-1918.....	4	1	.....	19	.141	Hartford, Conn.
Houston, Tex.	135,023	1915-1918.....	3	14	.....	.....	.....	Houston, Tex.
Indianapolis, Ind.	310,046	1915-1918.....	4	1	.....	.....	.....	Indianapolis, Ind.
Kansas City, Kans.	100,208	1917, 1918.....	2	1	.....	2	.008	Kansas City, Kans.
Kansas City, Mo.	320,494	1915-1918.....	4	1	.....	4	.007	Kansas City, Mo.
Los Angeles, Calif.	563,412	1915-1918.....	4	8	.012	1	57.1	Los Angeles, Calif.
Louisville, Ky.	234,326	1915-1917.....	3	3	.009	1	50.0	Louisville, Ky.

Reported Prevalence for the Year 1919—Averages for Previous Years—Continued.
POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

City.	Estimated population, July 1, 1919.	Average.		1919.				City.
		Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 inhabitants.	Deaths registered.	Deaths per 1,000 inhabitants.	
Houston, Tex.	135,023	1917, 1918	2	1	0	0	0	Houston, Tex.
Indianapolis, Ind.	310,046	1913-1915, 1917, 1918	4	4	0	0	0.040	Indianapolis, Ind.
Jersey City, N. J.	266,518	1913-1915, 1917, 1918	5	3	1	0	0.008	Jersey City, N. J.
Kansas City, Kans.	320,206	1914, 1917, 1918	3	6	0	0	0.010	Kansas City, Kans.
Kansas City, Mo.	320,494	1913-1915, 1917, 1918	5	11	9	3	.009	Kansas City, Mo.
Los Angeles, Calif.	563,412	1913-1915, 1917, 1918	5	5	5	1	.002	Los Angeles, Calif.
Louisville, Ky.	294,326	1913-1915, 1917, 1918	5	5	5	0	.044	Louisville, Ky.
Lowell, Mass.	112,726	1913-1915, 1917, 1918	5	7	6	3	.071	Lowell, Mass.
Memphis, Tenn.	160,742	1917, 1918	2	0	1	0	.027	Memphis, Tenn.
Minneapolis, Minn.	452,857	1913, 1914, 1917, 1918	4	26	90	13	.029	Minneapolis, Minn.
Milwaukee, Wis.	376,504	1915, 1917, 1918	3	3	9	1	.199	Milwaukee, Wis.
Minneapolis, Minn.	117,581	1913-1915, 1917, 1918	5	2	1	1	.024	Minneapolis, Minn.
Nashville, Tenn.	117,951	1913-1915, 1917, 1918	5	19	9	2	.022	Nashville, Tenn.
Newark, N. J.	410,778	1913-1915, 1917, 1918	5	4	0	0	.008	Newark, N. J.
New Bedford, Mass.	119,932	1914, 1915, 1917, 1918	4	4	0	0	.005	New Bedford, Mass.
New Haven, Conn.	161,080	1913-1915, 1917, 1918	5	2	3	0	.019	New Haven, Conn.
New Orleans, La.	384,739	1913-1915, 1917, 1918	5	9	3	0	.008	New Orleans, La.
New York, N. Y.	5,577,164	1913-1915, 1917, 1918	5	161	42	11	.002	New York, N. Y.
Oakland, Calif.	212,952	1914, 1915, 1917, 1918	4	2	0	0	.008	Oakland, Calif.
Omaha, Nebr.	185,124	1913, 1914, 1917, 1918	4	6	10	0	.053	Omaha, Nebr.
Paterson, N. J.	135,337	1913-1915, 1917, 1918	5	2	0	0	.004	Paterson, N. J.
Philadelphia, Pa.	1,809,089	1912-1915, 1917, 1918	5	18	7	2	.001	Philadelphia, Pa.
Pittsburgh, Pa.	685,397	1912-1915, 1917, 1918	5	22	6	4	.007	Pittsburgh, Pa.
Portland, Ore.	255,658	1917, 1918	2	16	0	0	0	Portland, Ore.
Portland, Me.	236,912	1912-1915, 1917, 1918	5	14	2	0	.008	Portland, Me.
Reading, Pa.	107,181	1914, 1915, 1917, 1918	4	3	2	0	.019	Reading, Pa.
Richmond, Va.	186,399	1914, 1915, 1917, 1918	4	2	12	0	.011	Richmond, Va.
Rochester, N. Y.	291,753	1913, 1914, 1917, 1918	4	7	1	2	.008	Rochester, N. Y.
St. Louis, Mo.	788,475	1913-1915, 1917, 1918	5	13	16	5	.021	St. Louis, Mo.
St. Paul, Minn.	233,573	1913-1915, 1917, 1918	5	5	4	0	.007	St. Paul, Minn.
Salt Lake City, Utah	116,805	1913-1915, 1917, 1918	5	3	4	1	.004	Salt Lake City, Utah
San Antonio, Tex.	185,043	1913, 1915, 1917, 1918	5	4	4	3	.026	San Antonio, Tex.
San Francisco, Calif.	502,033	1913-1915, 1917, 1918	5	4	1	1	.006	San Francisco, Calif.
Scranton, Pa.	137,375	1914, 1915, 1917, 1918	4	11	3	0	0	Scranton, Pa.
Seattle, Wash.	311,611	1913-1915, 1917, 1918	5	1	0	0	0	Seattle, Wash.
Spokane, Wash.	104,435	1913, 1917, 1918	3	2	1	0	.010	Spokane, Wash.
Springfield, Mass.	127,470	1913-1915, 1917, 1918	5	8	2	0	.016	Springfield, Mass.
Syracuse, N. Y.	169,942	1913-1915, 1917, 1918	5	5	0	0	0	Syracuse, N. Y.

239, 266	1913-1915, 1917, 1918.	5	5	16	.067	3	.013	18.8	Toledo, Ohio.
118, 132	1914, 1915, 1917, 1918.	4	4	1	.017	1	.069	50.0	Trenton, N. J.
432, 086	1913-1915, 1917, 1918.	5	5	11	.025	0	.....	.....	Washington, D. C.
108, 096	1913-1915, 1917, 1918.	4	4	1	.009	0	.....	.....	Wilmington, Del.
178, 015	1913, 1914, 1917, 1918.	4	4	9	.....	6	.034	.....	Worcester, Mass.
99, 127	1913, 1914, 1917, 1918.	4	4	1	.....	1	.010	33.3	Yonkers, N. Y.
129, 613	1917, 1918.	2	2	4	.030	1	.008	.....	Youngstown, Ohio.

SCARLET FEVER.

201, 257	1914, 1915, 1917, 1918.	4	4	235	363	1.80	7	0.085	1.9	Akron, Ohio.
112, 670	1914-1918	5	5	175	.....	.....	.....	.....	.....	Albany, N. Y.
198, 258	1916-1918	3	3	167	220	1.11	8	.....	3.6	Atlanta, Ga.
724, 796	1914-1918	5	5	789	3,860	5.33	30	.040	.....	Baltimore, Md.
175, 922	1914-1918	5	5	213	193	1.10	4	.023	2.1	Birmingham, Ala.
744, 070	1914-1918	5	5	2,050	2,173	2.92	30	.040	1.4	Boston, Mass.
141, 401	1914-1918	5	5	146	93	.66	3	.021	3.2	Bridgport, Conn.
502, 497	1914-1918	5	5	631	885	1.76	21	.042	2.4	Buffalo, N. Y.
109, 444	1917-1918	2	2	110	192	1.75	0	.....	.....	Cambridge, Mass.
115, 158	1914-1918	5	5	75	152	1.92	1	.009	7	Camden, N. J.
2, 675, 108	1914-1918	5	5	6,104	4,550	1.70	116	.043	2.5	Chicago, Ill.
399, 308	1914-1918	5	5	371	890	2.72	11	.028	1.1	Cincinnati, Ohio.
784, 673	1914-1918	5	5	651	880	.....	7	.007	1.2	Cleveland, Ohio.
251, 172	1914-1918	5	5	419	242	1.02	5	.021	2.1	Columbus, Ohio.
155, 532	1915-1918	4	4	119	85	.....	4	.021	4.7	Dallas, Tex.
150, 706	1914-1918	5	5	534	108	.72	1	.007	1.0	Dayton, Ohio.
254, 271	1914-1918	5	5	254	339	1.41	4	.016	.....	Denver, Colo.
174, 403	1914-1918	3	3	230	.....	.....	5	.040	.....	Des Moines, Iowa.
900, 547	1914-1918	5	5	2,120	2,739	2.85	71	.073	2.6	Detroit, Mich.
127, 424	1914-1918	4	4	162	61	.51	2	.037	3.3	Fall River, Mass.
104, 774	1915-1918	5	5	83	46	.44	1	.010	2.2	Fort Worth, Tex.
136, 343	1914-1918	5	5	328	116	.85	1	.007	.....	Grand Rapids, Mich.
135, 021	1914-1918	5	5	150	363	2.92	14	.108	3.7	Hartford, Conn.
135, 023	1916-1918	3	3	41	24	.18	0	.....	.....	Houston, Tex.
310, 048	1914-1918	5	5	620	470	1.52	3	.010	6	Indianapolis, Ind.
166, 518	1914-1918	5	5	640	250	.84	10	.084	4.0	Jersey City, N. J.
320, 494	1914-1918	5	5	294	74	.74	3	.069	4.6	Kansas City, Kans.
563, 412	1914-1918	5	5	689	236	.....	15	.047	6.4	Kansas City, Mo.
234, 326	1914-1918	5	5	480	371	.68	6	.011	1.6	Los Angeles, Calif.
112, 426	1914-1918	5	5	132	365	1.36	3	.013	1.8	Louisville, Ky.
160, 742	1917, 1918	2	2	94	325	2.89	6	.063	1.0	Lowell, Mass.
492, 857	1914, 1916-1918.	4	4	1,817	1,118	1.25	22	.049	2.0	Memphis, Tenn.
376, 504	1915-1918	5	5	617	713	2.47	33	.048	3.5	Minneapolis, Minn.
117, 981	1914-1918	4	4	101	228	1.92	25	.064	1.3	Nashville, Tenn.
410, 778	1914-1918	5	5	875	820	2.00	3	.025	1.5	Newark, N. J.
119, 957	1914-1918	5	5	164	161	1.34	4	.033	2.5	New Bedford, Mass.
161, 030	1914-1918	5	5	185	207	1.29	5	.031	2.4	New Haven, Conn.

Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Averages for Previous Years—Continued.
SCARLET FEVER—Continued.

City.	Average.			1919.				City.	
	Estimated population, July 1, 1919.	Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 in- habitants.	Deaths regis-tered.	Deaths per 1,000 in- hab- itants.		Fatalities per 100 cases.
New Orleans, La.	384,739	1914-1918	5	95	159	1	0.003	0.6	New Orleans, La.
New York, N. Y.	5,577,134	1914-1918	5	7,503	4,594	136	.024	3.0	New York, N. Y.
Norfolk, Va.	113,268	1915-1918	4	70	117	1	.009	3.9	Norfolk, Va.
Oakland, Calif.	212,932	1914-1918	5	211	317	4	.019	1.3	Oakland, Calif.
Omaha, Neb.	185,124	1914-1918	5	671	258	6	.032	2.3	Omaha, Neb.
Paterson, N. J.	150,337	1914-1918	4	120	194	0	.....	.....	Paterson, N. J.
Philadelphia, Pa.	1,809,039	1914-1918	5	1,506	813	59	.033	2.1	Philadelphia, Pa.
Pittsburgh, Pa.	585,397	1914-1918	5	1,406	613	7	.012	1.1	Pittsburgh, Pa.
Portland, Oreg.	255,658	1916-1918	3	597	520	0	.....	.....	Portland, Oreg.
Providence, R. I.	236,212	1914-1918	5	200	529	11	.046	2.7	Providence, R. I.
Reading, Pa.	107,181	1914-1918	5	169	74	3	.019	2.7	Reading, Pa.
Richmond, Va.	169,399	1914-1918	5	196	250	3	.013	1.2	Richmond, Va.
Rochester, N. Y.	291,753	1914-1918	4	675	511	10	.034	2.0	Rochester, N. Y.
St. Louis, Mo.	768,475	1914-1918	5	1,407	783	13	.023	2.3	St. Louis, Mo.
St. Paul, Minn.	233,573	1914-1918	5	825	526	14	.060	2.7	St. Paul, Minn.
Salt Lake City, Utah.	116,905	1914-1918	5	395	105	3	.026	2.9	Salt Lake City, Utah.
San Antonio, Tex.	183,043	1915-1918	4	55	22	0	.....	.....	San Antonio, Tex.
San Francisco, Calif.	502,063	1914-1918	5	673	411	10	.020	2.4	San Francisco, Calif.
Scranton, Pa.	137,375	1914-1918	5	196	203	2	.015	1.0	Scranton, Pa.
Seattle, Wash.	311,611	1914-1918	5	272	601	6	.019	1.0	Seattle, Wash.
Spokane, Wash.	104,435	1916-1918	3	98	411	7	.037	1.7	Spokane, Wash.
Springfield, Mass.	177,470	1914-1918	5	190	176	3	.024	1.7	Springfield, Mass.
Syracuse, N. Y.	166,942	1914-1918	5	356	412	9	.053	2.2	Syracuse, N. Y.
Toledo, Ohio.	239,266	1914-1918	5	640	739	18	.075	2.4	Toledo, Ohio.
Trenton, N. J.	118,132	1914-1918	5	134	47	0	.....	.....	Trenton, N. J.
Washington, D. C.	432,086	1914-1918	5	620	665	3	.007	.5	Washington, D. C.
Wilmington, Del.	108,996	1914, 1915, 1917, 1918.	4	76	81	0	.....	.....	Wilmington, Del.
Worcester, Mass.	178,015	1914, 1916-1918	4	246	272	4	.022	1.5	Worcester, Mass.
Yonkers, N. Y.	99,177	1914, 1916-1918	4	224	90	2	.020	2.2	Yonkers, N. Y.
Youngstown, Ohio.	129,613	1916-1918	3	125	225	1	.008	.4	Youngstown, Ohio.

SMALPOX.

Akron, Ohio.	201,257	1914, 1915, 1917, 1918.	4	275	23	0	.....	.....	Akron, Ohio.
Albany, N. Y.	112,670	1914-1918	5	2	.....	.....	.....	.....	Albany, N. Y.
Atlanta, Ga.	198,258	1916-1918	3	30	719	2	0.010	0.3	Atlanta, Ga.
					3.63				

Baltimore, Md.	724, 796	1914-1918.	5	81	18	.02	0		Baltimore, Md.
Birmingham, Ala.	175, 922	1914-1918.	5	227	56	.82	0		Birmingham, Ala.
Boston, Mass.	744, 070	1914-1918.	5	3	14	.02	0		Boston, Mass.
Bridgeport, Conn.	141, 407	1914-1918.	5	(*)	35	.07	0		Bridgeport, Conn.
Buffalo, N. Y.	502, 497	1914-1918.	5	25	5	.04	0		Buffalo, N. Y.
Camden, N. J.	115, 188	1914-1918.	5	2	142	.04	0		Camden, N. J.
Chicago, Ill.	2, 675, 108	1914-1918.	5	102	138	.35	0		Chicago, Ill.
Cincinnati, Ohio	399, 308	1914-1918.	5	142	289	.87	0		Cincinnati, Ohio
Cleveland, Ohio	784, 673	1914-1918.	5	411	26	.11	1	.004	Cleveland, Ohio
Columbus, Ohio	224, 172	1914-1918.	5	92	385	2.54	0		Columbus, Ohio
Dallas, Tex.	156, 522	1914-1918.	4	186	567	2.23	0		Dallas, Tex.
Dayton, Ohio	150, 706	1914-1918.	5	53	253	.26	2		Dayton, Ohio
Denver, Colo.	254, 271	1914-1918.	5	234	92	.88	2		Denver, Colo.
Des Moines, Iowa	124, 403	1914-1918.	3	249	45	.33	0		Des Moines, Iowa
Detroit, Mich.	966, 547	1914-1918.	5	481	107	.70	0		Detroit, Mich.
Fall River, Mass.	120, 424	1914-1918.	5	224	45	.33	0		Fall River, Mass.
Fort Worth, Tex.	104, 774	1914-1918.	4	224	45	.33	0		Fort Worth, Tex.
Grand Rapids, Mich.	136, 243	1914-1918.	5	38	45	.33	0		Grand Rapids, Mich.
Hartford, Conn.	136, 021	1914-1918.	5	11	107	.70	0		Hartford, Conn.
Houston, Tex.	135, 023	1914-1918.	3	43	45	.33	2	.015	Houston, Tex.
Indianapolis, Ind.	310, 048	1914-1918.	5	478	137	.44	0		Indianapolis, Ind.
Jewett City, N. J.	286, 518	1914-1918.	5	1	1	.45	0		Jewett City, N. J.
Kansas City, Kans.	100, 206	1914-1918.	5	621	48	.80	0		Kansas City, Kans.
Kansas City, Mo.	320, 494	1914-1918.	5	780	275	.45	0		Kansas City, Mo.
Los Angeles, Calif.	563, 412	1914-1918.	5	47	127	.24	2	.006	Los Angeles, Calif.
Louisville, Ky.	234, 326	1914-1918.	5	170	18	.08	1	.004	Louisville, Ky.
Lowell, Mass.	112, 426	1914-1918.	5	1	1	.01	0		Lowell, Mass.
Memphis, Tenn.	180, 742	1917, 1918.	5	344	51	.32	0		Memphis, Tenn.
Minneapolis, Minn.	452, 857	1914, 1918.	2	373	332	.73	0		Minneapolis, Minn.
Milwaukee, Wis.	876, 504	1914, 1918.	4	478	530	1.49	2	.005	Milwaukee, Wis.
Nashville, Tenn.	117, 931	1914-1918.	5	102	6	.05	0		Nashville, Tenn.
Newark, N. J.	410, 778	1914-1918.	5	1	1	.05	0		Newark, N. J.
New Bedford, Mass.	119, 952	1914-1918.	5	5	0	.25	6	.016	New Bedford, Mass.
New Orleans, La.	384, 789	1914-1918.	5	144	98	.18	0		New Orleans, La.
New York, N. Y.	5, 577, 154	1914-1918.	5	14	18	.09	0		New York, N. Y.
Newark, Va.	118, 288	1918.	1	30	112	.99	0		Newark, Va.
Oakland, Calif.	212, 952	1914-1918.	5	13	0	.82	0		Oakland, Calif.
Omaha, Neb.	186, 124	1914-1918.	4	497	907	4.31	0		Omaha, Neb.
Paterson, N. J.	135, 337	1914-1918.	5	(*)	9	.04	0		Paterson, N. J.
Philadelphia, Pa.	1, 870, 030	1914-1918.	5	12	0	.04	0		Philadelphia, Pa.
Pittsburgh, Pa.	583, 397	1914-1918.	5	22	22	.04	0		Pittsburgh, Pa.
Portland, Ore.	255, 558	1916-1918.	3	84	1, 673	4.54	0		Portland, Ore.
Providence, R. I.	236, 912	1914-1918.	5	1	4	.02	0		Providence, R. I.
Reading, Pa.	107, 181	1914-1918.	5	1	0	.05	0		Reading, Pa.
Richmond, Va.	169, 390	1914-1918.	5	3	8	.05	0		Richmond, Va.
Rochester, N. Y.	291, 753	1914-1918.	4	15	10	.03	0		Rochester, N. Y.
St. Louis, Mo.	768, 475	1914-1918.	5	253	85	.11	0		St. Louis, Mo.
St. Paul, Minn.	233, 573	1914-1918.	5	151	505	2.16	0		St. Paul, Minn.
Salt Lake City, Utah	116, 305	1914-1918.	5	235	167	1.43	1	.009	Salt Lake City, Utah
San Antonio, Tex.	158, 043	1915-1918.	4	128	27	.17	0		San Antonio, Tex.

* Average less than 1.

1 Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

Reported Prevalence for the Year 1919—Averages for Previous Years—Continued.

SMALLPOX—Continued.

City.	Estimated population, July 1, 1919.	Average.		1919.					City.
		Years included.	Num-ber of years.	Cases reported.	Cases per 1,000 in- habitants.	Deaths regis-tered.	Deaths per 1,000 in- habitants.	Fatalities per 100 cases.	
San Francisco, Calif.	502,053	1914-1918	5	58	210	0.42	1	0.002	San Francisco, Calif.
Scranton, Pa.	137,375	1914-1918	5	(¹)	2	.01	1	.....	Scranton, Pa.
Seattle, Wash.	311,671	1914-1918	5	.02	869	2.79	1	.003	Seattle, Wash.
Spokane, Wash.	104,435	1916-1918	3	.27	619	5.93	0	.....	Spokane, Wash.
Springfield, Mass.	127,470	1914-1918	5	(¹)	3	.02	0	.....	Springfield, Mass.
Syracuse, N. Y.	366,942	1914-1918	5	1	0	.....	0	.....	Syracuse, N. Y.
Toledo, Ohio	289,266	1914-1918	5	228	125	.52	125	.....	Toledo, Ohio
Washington, D. C.	432,066	1914-1918	5	46	173	.40	0	.....	Washington, D. C.
Wilmington, Del.	108,966	1914, 1915, 1917, 1918.	5	(¹)	1	.01	.....	.....	Wilmington, Del.
Worcester, Mass.	178,015	1914, 1916-1918.	4	10	.....	.....	.....	.....	Worcester, Mass.
Yonkers, N. Y.	98,127	1914, 1916-1918.	4	(¹)	.....	.....	.....	.....	Yonkers, N. Y.
Youngstown, Ohio	129,613	1916-1918.	3	172	406	3.13	2	.015	Youngstown, Ohio.

TYPHOID FEVER.

City.	Estimated population, July 1, 1919.	Average.		Cases reported.	Cases per 1,000 in- habitants.	Deaths regis-tered.	Deaths per 1,000 in- habitants.	Fatalities per 100 cases.	City.
		Years included.	Num-ber of years.						
Albany, Ohio	201,257	1914, 1915, 1917, 1918.	4	105	58	0.29	17	0.08	Albany, Ohio.
Albany, N. Y.	112,670	1914-1918.	5	98	45	.40	9	.08	Albany, N. Y.
Atlanta, Ga.	196,258	1916-1918.	3	198	98	.49	20	.10	Atlanta, Ga.
Baltimore, Md.	724,766	1914-1918.	5	663	359	.50	60	.08	Baltimore, Md.
Birmingham, Ala.	175,922	1914-1918.	5	590	162	.92	31	.18	Birmingham, Ala.
Boston, Mass.	744,070	1914-1918.	5	267	120	.16	18	.02	Boston, Mass.
Bridgeport, Conn.	141,401	1914-1918.	5	32	23	.16	5	.04	Bridgeport, Conn.
Buffalo, N. Y.	502,497	1914-1918.	5	241	88	.18	34	.07	Buffalo, N. Y.
Cambridge, Mass.	109,444	1917, 1918.	2	58	13	.13	3	.02	Cambridge, Mass.
Camden, N. J.	115,188	1914-1918.	5	59	30	.26	3	.01	Camden, N. J.
Chicago, Ill.	2,675,108	1914-1918.	5	762	232	.08	31	.03	Chicago, Ill.
Cincinnati, Ohio	399,308	1914-1918.	5	132	56	.14	11	.03	Cincinnati, Ohio.
Cleveland, Ohio	784,673	1914-1918.	5	228	86	.11	21	.03	Cleveland, Ohio.
Columbus, Ohio	234,172	1914-1918.	5	117	162	.69	7	.03	Columbus, Ohio.
Dallas, Tex.	155,532	1915-1918.	4	112	80	.51	17	.11	Dallas, Tex.
Dayton, Ohio	150,706	1914-1918.	5	93	44	.29	6	.04	Dayton, Ohio.
Denver, Colo.	254,271	1914-1918.	5	133	62	.24	9	.04	Denver, Colo.
Des Moines, Iowa	124,403	1918.	1	45	.....	.....	8	.06	Des Moines, Iowa.
Detroit, Mich.	966,547	1914-1918.	5	423	260	.27	49	.05	Detroit, Mich.

Fall River, Mass.	120, 424	1914-1918.	189	68	56	4	.03	5.9	Fall River, Mass.
Fort Worth, Tex.	104, 774	1916, 1917.	106	24	23	18	.17	75.0	Fort Worth, Tex.
Grand Rapids, Mich.	136, 343	1914-1918.	120	19	14	7	.05	36.8	Grand Rapids, Mich.
Hartford, Conn.	136, 921	1914-1918.	91	23	17	1	.01	4.3	Hartford, Conn.
Houston, Tex.	135, 023	1914-1918.	75	53	18	19	.14	25.0	Houston, Tex.
Indianapolis, Ind.	310, 046	1914-1918.	316	35	12	9	.02	20.0	Indianapolis, Ind.
Jersey City, N. J.	298, 518	1914, 1917, 1918.	49	64	35	7	.09	58.1	Jersey City, N. J.
Kansas City, Kans.	100, 206	1914, 1917.	64	64	35	9	.02	13.7	Kansas City, Kans.
Kansas City, Mo.	320, 494	1914-1918.	95	185	36	28	.05	13.7	Kansas City, Mo.
Los Angeles, Calif.	533, 431	1914-1918.	185	205	36	28	.09	11.5	Los Angeles, Calif.
Louisville, Ky.	237, 326	1914-1918.	168	192	82	22	.08	12.9	Louisville, Ky.
Lowell, Mass.	112, 726	1914-1918.	183	31	3.04	80	.53	18.2	Lowell, Mass.
Memphis, Tenn.	160, 742	1917-1918.	183	480	3.04	80	.53	18.2	Memphis, Tenn.
Minneapolis, Wis.	432, 857	1914, 1916-1917.	200	47	10	15	.04	31.0	Minneapolis, Wis.
Minneapolis, Minn.	376, 694	1915-1918.	174	49	13	12	.03	24.5	Minneapolis, Minn.
Nashville, Tenn.	117, 951	1914-1918.	321	131	1.11	19	.16	14.5	Nashville, Tenn.
Newark, N. J.	410, 771	1914-1917.	146	72	18	9	.02	12.5	Newark, N. J.
New Bedford, Mass.	119, 952	1914-1918.	97	17	14	2	.02	11.5	New Bedford, Mass.
New Haven, Conn.	161, 030	1914-1918.	94	77	38	9	.06	11.7	New Haven, Conn.
New Orleans, La.	354, 739	1914-1918.	310	135	41	53	.14	33.3	New Orleans, La.
New York, N. Y.	5, 577, 151	1914-1918.	1, 802	854	15	121	.02	14.2	New York, N. Y.
Norfolk, Va.	113, 288	1918.	32	93	82	17	.15	18.3	Norfolk, Va.
Oakland, Calif.	212, 932	1914-1918.	98	42	20	7	.03	16.7	Oakland, Calif.
Omaha, Neb.	188, 124	1914, 1916, 1917.	32	32	18	8	.04	23.5	Omaha, Neb.
Paterson, N. J.	135, 337	1914-1918.	43	31	23	4	.03	12.9	Paterson, N. J.
Philadelphia, Pa.	1, 809, 039	1914-1918.	666	548	30	79	.04	14.4	Philadelphia, Pa.
Pittsburgh, Pa.	585, 397	1914-1918.	291	91	16	37	.06	40.7	Pittsburgh, Pa.
Portland, Ore.	255, 658	1916-1918.	65	47	18	12	.05	25.5	Portland, Ore.
Portland, R. I.	236, 912	1914-1918.	104	60	25	9	.04	15.0	Portland, R. I.
Reading, Pa.	107, 181	1914-1918.	127	137	60	7	.07	11.7	Reading, Pa.
Richmond, Va.	160, 399	1914-1918.	60	86	51	6	.04	7.0	Richmond, Va.
Rochester, N. Y.	291, 753	1914, 1910-1918.	72	50	17	10	.03	20.0	Rochester, N. Y.
St. Louis, Mo.	768, 475	1914-1918.	444	269	27	46	.06	22.0	St. Louis, Mo.
St. Paul, Minn.	233, 573	1914-1918.	91	41	18	8	.03	19.5	St. Paul, Minn.
Salt Lake City, Utah.	116, 805	1914-1918.	119	31	27	7	.06	22.6	Salt Lake City, Utah.
San Antonio, Tex.	185, 043	1915-1918.	143	39	25	18	.11	46.2	San Antonio, Tex.
San Francisco, Calif.	502, 033	1914-1918.	188	70	14	16	.03	22.9	San Francisco, Calif.
Scranton, Pa.	337, 375	1914-1918.	40	11	.08	2	.01	18.2	Scranton, Pa.
Seattle, Wash.	311, 611	1914-1918.	69	10	10	9	.03	30.0	Seattle, Wash.
Spokane, Wash.	104, 435	1915-1918.	51	19	18	0	.....	27.3	Spokane, Wash.
Springfield, Mass.	127, 470	1914-1918.	45	22	17	6	.05	29.7	Springfield, Mass.
Syracuse, N. Y.	169, 942	1914-1918.	55	37	21	11	.06	17.2	Syracuse, N. Y.
Toledo, Ohio	239, 266	1914-1918.	250	58	31	10	.04	18.9	Toledo, Ohio
Trenton, N. J.	118, 192	1914-1918.	58	37	31	7	.06	18.9	Trenton, N. J.
Washington, D. C.	432, 086	1914-1918.	153	153	35	16	.04	10.5	Washington, D. C.
Wilmington, Del.	108, 998	1914, 1915, 1917, 1918.	313	153	35	16	.04	10.5	Wilmington, Del.
Worcester, Mass.	178, 015	1914, 1916-1918.	152	40	28	14	.13	45.2	Worcester, Mass.
Yonkers, N. Y.	96, 127	1914, 1916-1918.	18	11	11	1	.01	9.1	Yonkers, N. Y.
Youngstown, Ohio.	126, 613	1916-1918.	92	41	32	21	.16	51.2	Youngstown, Ohio.

* Average less than 1.

† Fiscal year, Dec. 15, 1918, to Dec. 15, 1919.

DEFEAT OF ANTIVACCINATION AND ANTIVIVISECTION MEASURES ON THE PACIFIC COAST.

Two initiative measures—the antivaccination constitutional amendment and the proposed antivivisection act—both menacing the public health, were defeated by the people of California at the election last November.

The antivaccination amendment declared that “No form of vaccination, inoculation, or other medication shall hereafter be made a condition for admission to or attendance in any public school, college, university, or other educational institution in this State, or for the employment of any person in any public office. The provisions of this section shall not be controlled or limited by any other provision of this constitution.” This measure was actively opposed by the universities, medical schools, the State tuberculosis society, State and city boards of health, and many other influential organizations, as well as by the practicing physicians throughout the State.

The votes on these measures were as follows:

	Yes.	No.
Antivaccination.....	359, 987	468, 911
Antivivisection.....	272, 238	527, 130

A proposed constitutional amendment abolishing compulsory vaccination, similar to the California measure, was defeated in Oregon by a vote of 2 to 1, the final count being 63,028 for and 127,238 against.

This decisive vote is interesting in view of the fact that the proposed amendment was much more far-sweeping than a similar measure voted on four years ago, which was defeated by only 400 votes.

A vigorous campaign against the amendment was carried on by a joint committee of physicians and laymen.

PUBLIC HEALTH ENGINEERING ABSTRACTS.

Hardness of surface waters of the United States.—W. D. Collins, U. S. Geological Survey, *Journal of Industrial and Engineering Chemistry*, Vol. 12, No. 12, December, 1920, pp. 1181–1183.

The results of water analyses made by the United States Geological Survey in a general study of surface waters in the country are given in the table following.

Dissolved solids and hardness of surface waters, by States.

[Parts per million.]

State.	Dissolved solids.	Hardness as CaCO ₃ equivalent to Ca and Mg.	Notes.
Alabama.....	70-90	15-40	
Arizona.....	500-700	200-300	100-150 Na.
Arkansas.....	600	200	150 Na.
California:			
Northern part.....	80-250	40-200	
Southern part.....	400-600	200-300	100 Na.
Great Basin drainage.....	200-200000	60-5000	Higher concentrations practically all Na salts.
Colorado.....	150-700	100-400	
Connecticut.....	50-100	25-50	
Delaware.....	80	40	
District of Columbia.....	100	40	
Florida.....	150	100	
Georgia.....	60-80	15-40	
Idaho.....	100-200	60-125	
Illinois.....	250-300	200-250	
Indiana.....	250-350	200-300	
Iowa.....	225-300	190-230	
Kansas:			
Drainage to Missouri River.....	350-550	225-350	High in Na salts.
Drainage to Arkansas River.....	400, 1000-2000	250, 500-800	Do.
Kentucky.....	100	70	
Louisiana.....	500	255	
Maine.....	20-50	5-20	
Maryland.....	100-150	50-75	
Massachusetts.....	50-60	15-25	
Michigan.....	250	200	
Minnesota:			
Northern.....	100-150	70-100	
Central and southern.....	250-500	200-350	
Mississippi.....	70-90	15-40	
Missouri.....	350	200	
Montana.....	300-600	200-300	
Nebraska.....	300-500	150-300	
Nevada:			
Mountainous area.....	100-200	30-100	
Lowland area.....	2000-30000	200-300	Do.
New Hampshire.....	20-50	5-20	
New Jersey.....	100-150	50-100	
New Mexico.....	500-3000	250-1500	
New York.....	100-150	50-100	
North Carolina.....	60-80	15-40	
North Dakota.....	300-800	200-500	
Ohio.....	250-350	200-300	
Oklahoma.....	1000-3000	500-1500	High Na.
Oregon.....	80-125	40-60	
Pennsylvania.....	100-150	50-100	Acid waters at some places; less in western part.
Rhode Island.....	30-50	5-25	
South Carolina.....	70-90	15-40	
South Dakota.....	300-800	200-600	
Tennessee.....	100	70	
Texas.....	300, 1000-2000	200, 500-1500	High in Na.
Utah.....	500-1000	200-300	100-250 Na.
Vermont.....	30-50	5-25	
Virginia.....	70-90	15-40	
Washington.....	60-125	20-60	
West Virginia.....	100-150	70-100	
Wisconsin.....	100	50	
Wyoming:			
Mountainous area.....	200	150	
Lowland area.....	800-1000	500-600	

Soft surface water is found along the Atlantic, east Gulf of Mexico, and Pacific coasts, and along the northern boundary States. Hard water is found in the middle Western States bordering the Mississippi and to the east. Hard and strongly alkaline water is found in the area outlined roughly by North Dakota, Arkansas, Louisiana, Texas, Arizona, and the southern part of California.

The disposal of trade wastes.—Robert Spurr Weston, Consulting Engineer, Boston, Mass.—*Public Works*, Vol. 49, No. 22, November 27, 1920, p. 504.

In the disposal of trade wastes the following factors should be considered: (1) Excess amounts of suspended matter; (2) suspended matter which may clog sewers; (3) excess amounts of fat and organic matter; (4) presence of mineral oil; (5) free acid; (6) presence of bacterial poisons; (7) the presence of acids resulting from the formation of carbohydrates.

At Peabody, Mass., excessive amounts of waste from tanneries, glue factories, etc., were discharged into a pump well, thence through an outfall to deep tidal water. The accumulation of suspended matter in the tank, such as spent lime, hair, strips of hide, etc., was remedied by requiring the industries to submit their wastes to subsidence before discharge into the sewer. In the more difficult cases the Dorr clarifier was used successfully to separate the suspended matter.

Wool-scouring waste is a good example of waste containing excessive amounts of fat. At Hudson, Mass., this waste was first treated in tanks of sulphuric acid. This method was found to be undesirable, owing to the formation of acid odors. Instead, the heated and settled waste was put through centrifugal machines. This process removes 50 per cent of the fats as against 95 per cent removed by the acid process.

The disposal of a paraffin-like material from fuel oils has not as yet become a difficult problem, although it causes clogging in the sewers.

Wastes from tanneries using arsenic and sewages containing free chlorine and copper salts can not be purified by bacterial action, according to experiments by Prof. C.-E. A. Winslow at New Haven. The best process used with sewage of this kind is the Miles acid process.

Experiments by Pearse and Greeley on the treatment of waste produced in the manufacture of sugar show that successive applications with lime followed by filtration in each case will render the waste suitable for discharge. No successful treatment has been worked out for taking care of waste from the manufacture of lactic acid.

In designing sewerage systems it is well to consider the industries which the system is to serve; each trade waste in itself being a problem. Although the recovery of valuable products from water-borne waste will never be a profitable business, it will minimize the cost of disposal and at the same time conserve the by-products.

Short course for water-plant operators.—V. M. Ehlers, State Sanitary Engineer, Austin, Tex., December 4, 1920.

At the request of the Texas Water Works Association, the University of Texas and the State board of health are to conduct, without charge, their second practical course of instruction on the subject of "Safe water production." This course is for municipal waterworks attendants and filter-plant operators and is to be given at Austin during the week beginning January 10, 1921. Besides the fundamental analyses required for chemical and bacteriological control of a water-treatment plant, the course will include lectures on the construction and operation of different types of purification plants and water-sterilizing apparatus, protection of water supplies, management of waterworks, and discussion of operator's individual problems. The course will include the operation of filters, liquid-chlorine apparatus, and water-softening plants.

DEATHS DURING WEEK ENDED DEC. 4, 1920.

[From the "Weekly Health Index," Dec. 7, 1920, issued by the Bureau of the Census, Department of Commerce.]

Deaths from all causes in certain large cities of the United States during the week ended Dec. 4, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.

City.	Popula- tion Jan. 1, 1920, sub- ject to revision.	Week ended Dec. 4, 1920.		Average annual death rate per 1,000. ²	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. ¹		Week ended Dec. 4, 1920.	Previous year or years. ²
Akron, Ohio.....	208,435	38	9.5	8.2	10.5	16.0
Albany, N. Y.....	113,344	26	12.0	C 19.0	3.8	C 7.3
Atlanta, Ga.....	200,616	70	18.2	C 16.8	17.1	C 20.3
Baltimore, Md.....	733,826	215	15.3	A 16.0	16.3	A 14.5
Birmingham, Ala.....	178,270	58	17.0	A 18.3	17.2	A 14.6
Boston, Mass.....	747,923	207	14.4	A 16.8	14.5	A 14.5
Bridgeport, Conn.....	143,152	39	14.2	A 12.6	10.3	A 13.9
Buffalo, N. Y.....	506,775	116	11.9	C 17.1	19.0	C 13.9
Cambridge, Mass.....	109,456	26	12.4	A 13.6	3.8	A 16.5
Chicago, Ill.....	2,701,705	587	11.3	A 13.1	14.0	A 15.3
Cincinnati, Ohio.....	401,247	111	14.4	C 17.2	9.0	C 9.1
Cleveland, Ohio.....	796,836	189	12.4	C 11.5	15.3	C 19.7
Columbus, Ohio.....	237,031	63	13.9	C 15.4	9.5	C 7.2
Dallas, Tex.....	158,976	45	14.8	A 10.6	15.6	A 6.2
Dayton, Ohio.....	153,830	31	10.5	C 10.0	19.4	C 20.7
Denver, Colo.....	256,491	73	14.8	A 15.0	5.5	
Detroit, Mich.....	993,739	227	11.9		19.4	
Fall River, Mass.....	120,485	40	17.3	C 11.7	35.0	C 14.8
Grand Rapids, Mich.....	137,634	25	9.5	C 13.4	28.0	C 5.7
Hartford, Conn.....	138,036	47	17.8		27.7	
Houston, Tex.....	138,276	20	7.5		10.0	
Indianapolis, Ind.....	314,194	76	12.6	C 13.1	7.9	C 9.0
Jersey City, N. J.....	298,079	72	12.6	C 12.8	12.5	C 17.8
Kansas City, Kans.....	101,177	32	16.5		12.5	
Kansas City, Mo.....	324,410	113	18.2	C 14.0	15.0	C 9.3
Los Angeles, Calif.....	576,673	164	14.8	A 13.7	7.9	A 9.5
Louisville, Ky.....	234,891	62	13.8	C 16.7	14.5	C 13.3
Lowell, Mass.....	112,479	29	13.4	A 18.1	24.1	A 20.5
Memphis, Tenn.....	162,351	71	22.8	C 22.3	8.5	C 10.9
Milwaukee, Wis.....	457,117	83	9.5	A 12.1	19.3	A 21.1

¹ Annual rates per 1,000 population.

² "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1919.

³ Data are based on statistics of 1915, 1916, and 1917.

Deaths from all causes in certain large cities of the United States during the week ended Dec. 4, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years—Continued.

City.	Population Jan. 1, 1920, sub- ject to revision.	Week ended Dec. 4, 1920.		Average annual death rate per 1,000.	Per cent of deaths under 1 year.	
		Total deaths.	Death rate.		Week ended Dec. 4, 1920.	Previous year or years.
Minneapolis, Minn.....	390,582	79	10.8	C 11.9	12.7	C 17.4
Nashville, Tenn.....	118,342	30	13.2	C 15.9	16.7	C 11.1
Newark, N. J.....	414,216	93	11.7	C 12.3	20.4	C 16.5
New Bedford, Mass.....	121,217	32	13.8	A 15.2	18.8	A 25.0
New Haven, Conn.....	162,519	53	17.0	C 11.0	17.0	C 14.7
New Orleans, La.....	387,219	140	18.9	A 21.6	6.4	A 12.7
New York, N. Y.....	5,620,048	1,280	11.9	C 11.5	14.6	C 13.5
Norfolk, Va.....	115,777	29	13.1	.....	31.0	.....
Oakland, Calif.....	216,361	54	13.0	A 12.1	5.6	A 10.2
Omaha, Nebr.....	191,601	37	10.1	C 7.1	10.8	C 26.9
Philadelphia, Pa.....	1,823,158	497	14.2	* 18.0	13.3	* 12.4
Pittsburgh, Pa.....	588,193	146	12.9	C 15.1	17.8	C 15.3
Portland, Oreg.....	258,288	49	9.9	C 10.8	4.1	C 5.7
Providence, R. I.....	237,595	56	12.3	C 12.1	1.8	C 14.5
Richmond, Va.....	171,667	48	14.6	C 15.4	14.6	C 10.0
Rochester, N. Y.....	295,750	54	9.5	C 13.4	14.8	C 13.3
St. Louis, Mo.....	772,897	189	12.8	C 14.1	7.9	C 7.7
St. Paul, Minn.....	234,680	48	10.7	C 12.3	14.6	C 9.1
Salt Lake City, Utah.....	118,110	29	12.8	A 15.7	17.2	.....
San Francisco, Calif.....	506,676	128	13.2	C 16.0	2.3	C 6.5
Seattle, Wash.....	315,652	58	9.6	A 10.8	8.6	A 8.7
Springfield, Mass.....	129,338	33	13.3	.....	12.1	.....
Syracuse, N. Y.....	171,647	42	12.8	C 17.2	21.4	C 23.2
Toledo, Ohio.....	243,164	61	13.1	A 14.0	14.8	A 14.2
Trenton, N. J.....	119,289	21	9.2	A 23.0	19.0	A 16.7
Washington, D. C.....	437,571	125	14.9	A 16.4	8.0	A 9.3
Wilmington, Del.....	110,168	30	14.2	C 12.4	30.0	.....
Worcester, Mass.....	179,754	45	13.1	C 16.7	2.2	C 12.3
Yonkers, N. Y.....	100,176	20	10.4	A 14.9	10.0	A 14.8
Youngstown, Ohio.....	132,358	34	13.4	.....	14.7	.....

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

Summary of information received by telegraph from industrial insurance companies for week ended Dec. 4, 1920.

Policies in force.....	45,377,106
Number of death claims.....	8,298
Death claims per 1,000 policies in force, annual rate.....	9.5

PREVALENCE OF DISEASE.

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

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended Dec. 11, 1920.

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

ALABAMA.		DELAWARE.	
	Cases.		Cases.
Chicken pox	37	Chicken pox.....	4
Diphtheria	22	Diphtheria	5
Hookworm.....	38	Influenza.....	9
Influenza.....	5	Measles.....	3
Mumps.....	14	Mumps.....	2
Paratyphoid fever.....	1	Ophthalmia neonatorum.....	1
Pellagra	1	Pneumonia.....	5
Pneumonia.....	3	Scarlet fever.....	8
Polio myelitis.....	1	Tuberculosis.....	12
Scarlet fever.....	7	Typhoid fever.....	6
Smallpox.....	43	Whooping cough.....	16
Tuberculosis.....	7		
Typhoid fever.....	16		
ARKANSAS.		FLORIDA.	
Chicken pox.....	35	Cerebrospinal meningitis.....	1
Diphtheria.....	47	Diphtheria.....	30
Influenza.....	78	Influenza.....	6
Malaria.....	98	Malaria.....	11
Measles.....	152	Pneumonia.....	3
Pellagra	5	Polio myelitis.....	1
Scarlet fever.....	18	Scarlet fever.....	7
Smallpox.....	1	Smallpox.....	15
Trachoma.....	3	Typhoid fever.....	9
Tuberculosis.....	14		
Typhoid fever.....	15		
Whooping cough.....	42		
CALIFORNIA.		GEORGIA.	
Cerebrospinal meningitis:		Anthrax.....	1
Oakland.....	1	Chicken pox.....	15
Visalia.....	1	Conjunctivitis (acute infectious).....	1
Influenza.....	18	Diphtheria.....	25
Polio myelitis:		Dysentery (amebic).....	1
Los Angeles County.....	1	Dysentery (bacillary).....	2
San Diego.....	1	Hookworm.....	79
Smallpox:		Influenza.....	45
Richmond.....	9	Malaria.....	31
Sacramento.....	10	Measles.....	23
San Francisco.....	30	Mumps.....	1
Scattering.....	59	Pneumonia.....	12
Typhoid fever.....	9	Scarlet fever.....	10
		Septic sore throat.....	4
		Smallpox.....	20
		Tuberculosis (all forms).....	11
		Typhoid fever.....	11
		Typhus fever.....	1
		Whooping cough.....	4

CURRENT STATE SUMMARIES—Continued.

Telegraphic Reports for Week Ended Dec. 11, 1920—Continued.

ILLINOIS.		KANSAS—continued.	
	Cases.		Cases.
Cerebrospinal meningitis:		Influenza.....	5
Chicago.....	1	Malaria.....	1
Macoupin County—		Measles.....	25
Shaw Point.....	1	Mumps.....	2
Diphtheria:		Pneumonia.....	33
Chicago.....	336	Scarlet fever.....	187
Evanston.....	9	Smallpox.....	62
Scattering.....	107	Tetanus.....	1
Influenza.....	22	Tuberculosis.....	27
Pneumonia.....	207	Typhoid fever.....	11
Poliomyelitis:		Whooping cough.....	29
Chicago.....	1		
Madison County—		LOUISIANA.	
Olive Township.....	1	Diphtheria.....	22
Rock Island County—		Scarlet fever.....	16
Bowling Township.....	1	Smallpox.....	62
Sangamon County—		Typhoid fever.....	11
Cotton Hill Township.....	1		
Scarlet fever:		MAINE.	
Chicago.....	147	Cerebrospinal meningitis.....	1
Oak Park.....	10	Chicken pox.....	47
Springfield.....	69	Diphtheria.....	40
Scattering.....	150	German measles.....	1
Smallpox:		Influenza.....	3
East St. Louis.....	9	Measles.....	133
Jackson County—		Mumps.....	3
Sandridge Township.....	32	Pneumonia.....	5
Olney.....	14	Scarlet fever.....	33
Rockford.....	9	Smallpox.....	3
Springfield.....	13	Trachoma.....	1
Streator.....	32	Tuberculosis.....	6
Virginia.....	19	Typhoid fever.....	10
Scattering.....	96	Whooping cough.....	16
Typhoid fever.....	15		
		MARYLAND. ¹	
INDIANA.		Cerebrospinal meningitis.....	2
Diphtheria.....	84	Chicken pox.....	95
Poliomyelitis—Vanderburg County.....	1	Diphtheria.....	98
Scarlet fever.....	202	Dysentery.....	2
Smallpox.....	225	Influenza.....	45
Typhoid fever.....	18	Lethargic encephalitis.....	1
		Malaria.....	2
IOWA.		Measles.....	93
Anthrax—Colfax.....	2	Meningitis.....	1
Diphtheria.....	78	Mumps.....	14
Poliomyelitis:		Ophthalmia neonatorum.....	5
Bedford.....	1	Pneumonia (all forms).....	59
Mapleton.....	1	Poliomyelitis.....	1
Scarlet fever.....	192	Scarlet fever.....	77
Smallpox:		Septic sore throat.....	2
Clinton.....	10	Smallpox.....	4
Davenport.....	13	Trachoma.....	3
Dubuque.....	76	Tuberculosis.....	44
Gilmore City.....	13	Typhoid fever.....	29
Ottumwa.....	44	Whooping cough.....	61
Oxford Junction.....	15		
Shenandoah.....	19	MASSACHUSETTS.	
Scattering.....	94	Cerebrospinal meningitis.....	3
		Chicken pox.....	339
KANSAS.		Conjunctivitis (suppurative).....	5
Chicken pox.....	67	Diphtheria.....	210
Diphtheria.....	225	German measles.....	9
German measles.....	1		

¹ Week ended Friday.

CURRENT STATE SUMMARIES—Continued.

Telegraphic Reports for Week Ended Dec. 11, 1920—Continued.

MASSACHUSETTS—continued.		NEW MEXICO.	
	Cases.		Cases.
Influenza.....	14	Chicken pox.....	6
Measles.....	439	Conjunctivitis.....	4
Mumps.....	52	Diphtheria:	
Ophthalmia neonatorum.....	23	Bernalillo County.....	9
Pellagra.....	1	Scattering.....	20
Pneumonia (lobar).....	86	Influenza.....	2
Poliomyelitis.....	12	Measles:	
Scarlet fever.....	196	Bernalillo County.....	13
Septic sore throat.....	3	Scattering.....	9
Trachoma.....	1	Mumps.....	5
Tuberculosis (all forms).....	166	Pneumonia.....	8
Typhoid fever.....	7	Scarlet fever.....	8
Whooping cough.....	134	Tuberculosis:	
MINNESOTA.		Grant County.....	16
Poliomyelitis.....	3	Scattering.....	9
Smallpox:		Typhoid fever.....	6
Norman County—Flom Township.....	8	Whooping cough.....	21
Scattering.....	29	NEW YORK.	
MISSISSIPPI.		(Exclusive of New York City.)	
Diphtheria.....	23	Cerebrospinal meningitis:	
Scarlet fever.....	25	Lakewood.....	1
Smallpox.....	11	Oneonta.....	1
Typhoid fever.....	9	Ridgeway.....	1
MONTANA.		Diphtheria.....	474
Diphtheria.....	3	Influenza.....	50
Scarlet fever.....	9	Lethargic encephalitis.....	1
Smallpox.....	22	Measles.....	1,022
NEBRASKA		Pneumonia.....	270
Chicken pox.....	10	Poliomyelitis:	
Diphtheria:		Eaton.....	1
Omaha.....	15	Poughkeepsie.....	1
Scattering.....	14	Scarlet fever.....	341
Influenza.....	1	Smallpox.....	1
Measles.....	16	Typhoid fever.....	27
Mumps.....	1	Whooping cough.....	542
Scarlet fever:		NORTH CAROLINA.	
Chadron.....	14	Cerebrospinal meningitis.....	2
York.....	13	Chicken pox.....	90
Scattering.....	38	Diphtheria.....	97
Smallpox:		German measles.....	2
Brunswick.....	16	Measles.....	50
Chadron.....	17	Scarlet fever.....	44
Omaha.....	9	Septic sore throat.....	6
Seward County.....	17	Smallpox.....	34
Scattering.....	37	Trachoma.....	1
Tuberculosis.....	2	Typhoid fever.....	12
Typhoid fever.....	1	Whooping cough.....	127
Whooping cough.....	15	OHIO.	
NEW JERSEY.		Smallpox present:	
Chicken pox.....	188	Allen County.....	
Diphtheria.....	273	Fayette County.....	
Influenza.....	29	Lake County.....	
Malaria.....	2	Licking County.....	
Measles.....	99	Pike County.....	
Pneumonia.....	100	Williams County.....	
Poliomyelitis.....	1	SOUTH DAKOTA.	
Scarlet fever.....	150	Chicken pox.....	6
Typhoid fever.....	11	Diphtheria.....	22
Whooping cough.....	148	Influenza.....	3

CURRENT STATE SUMMARIES—Continued.**Telegraphic Reports for Week Ended Dec. 11, 1920—Continued.**

SOUTH DAKOTA—continued.		VIRGINIA.	
	Cases.		Cases.
Measles.....	6	Smallpox—Bedford County.....	1
Pneumonia.....	14		
Scarlet fever.....	33	WASHINGTON.	
Smallpox.....	45	Chicken pox.....	81
Tuberculosis.....	7	Diphtheria.....	38
Whooping cough.....	6	Influenza.....	5
		Measles.....	27
		Mumps.....	6
		Pneumonia.....	1
		Scarlet fever.....	43
		Smallpox.....	93
		Tuberculosis.....	9
		Typhoid fever.....	2
		Whooping cough.....	17
TEXAS.		WISCONSIN.	
Cerebrospinal meningitis.....	1	Milwaukee:	
Chicken pox.....	32	Cerebrospinal meningitis.....	2
Diphtheria.....	140	Chicken pox.....	39
Dysentery.....	2	Diphtheria.....	85
Influenza.....	35	Measles.....	8
Measles:		Scarlet fever.....	40
McAllen.....	25	Smallpox.....	8
San Diego.....	20	Tuberculosis.....	17
Scattering.....	12	Whooping cough.....	13
Poliomyelitis—Edgewood.....	1		
Scarlet fever.....	82	Scattering:	
Smallpox.....	20	Cerebrospinal meningitis.....	1
Trachoma.....	17	Chicken pox.....	112
Typhoid fever.....	12	Diphtheria.....	77
		German measles.....	3
		Influenza.....	39
		Measles.....	79
		Scarlet fever.....	153
		Smallpox.....	184
		Trachoma.....	2
		Tuberculosis.....	14
		Typhoid fever.....	3
		Whooping cough.....	121
VERMONT.			
Cerebrospinal meningitis.....	1		
Chicken pox.....	51		
Diphtheria.....	4		
Influenza.....	9		
Measles.....	16		
Mumps.....	20		
Pneumonia.....	6		
Scarlet fever.....	18		
Smallpox.....	4		
Typhoid fever.....	2		
Whooping cough.....	38		

District of Columbia and Kentucky Reports for Week Ended Dec. 4, 1920.

DISTRICT OF COLUMBIA.

	Cases.		Cases.
Corebrospinal meningitis.....	1	Measles.....	13
Chicken pox.....	38	Scarlet fever.....	18
Diphtheria.....	13	Tuberculosis.....	18
Influenza.....	4	Typhoid fever.....	5
Lethargic encephalitis.....	1	Whooping cough.....	18

KENTUCKY.

	Cases.		Cases.
Cerebrospinal meningitis—Ballard County.....	1	Septic sore throat.....	4
Chicken pox.....	56	Smallpox:	
Diphtheria:		Ohio County	21
Christian County.....	9	Scattering.....	26
Jefferson County.....	31	Tonsillitis.....	14
Scattering.....	63	Trachoma.....	4
Influenza.....	34	Tuberculosis:	
Measles.....	8	Jefferson County.....	11
Mumps.....	5	Scattering.....	8
Pneumonia.....	46	Typhoid fever.....	17
Scarlet fever:		Whooping cough.....	20
Jefferson County.....	14		
Scattering.....	34		

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.	Polomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1920.										
Colorado (October).....	1	155	30	.....	128	.....	.....	89	139	66
Florida (November).....	.1	94	25	135	3	13	.....	23	24	28
Illinois (October).....	17	1,918	185	124	495	2	69	1,375	346	240
Ohio (October).....	9	1,581	40	7	158	1	11	1,279	435	674
Vermont (November).....	.....	27	.....	.....	43	.....	.....	64	28	14
Virginia (October).....	17	963	.....	521	319	11	7	315	88	221
Wisconsin (November).....	11	728	95	.....	377	.....	15	607	573	39

ACTINOMYCOSIS.

Illinois—October, 1920.

During October, 1920, one case of actinomycosis was reported in Illinois.

CEREBROSPINAL MENINGITIS.

City Reports for Week Ended Nov. 27, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
California:				Montana:			
San Francisco.....	0	1	1	Billings.....	(1)	1	1
Connecticut:				New York:			
Bridgeport.....	0	1	.....	Auburn.....	0	.....	1
Illinois:				New York.....	3	6	2
Chicago.....	1	2	.....	North Carolina:			
Rock Island.....	0	1	.....	Greensboro.....	0	.....	1
Indiana:				Ohio:			
Evansville.....	0	1	.....	Cleveland.....	(1)	2	.....
Kentucky:				Newark.....	.....	.....	1
Louisville.....	0	1	1	Pennsylvania:			
Louisiana:				Philadelphia.....	1	1	.....
New Orleans.....	0	1	1	South Carolina:			
Maryland:				Spartanburg.....	0	1	1
Baltimore.....	(1)	1	1	Virginia:			
Massachusetts:				Alexandria.....	.....	.....	1
Lowell.....	(1)	1	.....	Wisconsin:			
Michigan:				Green Bay.....	(1)	1	1
Highland Park.....	0	1	1	Milwaukee.....	1	1	1
Minnesota:				Sheboygan.....	.....	1	.....
Mankato.....	.....	1	1				
Missouri:							
St. Louis.....	(1)	1	1				

¹ Average less than 1.

DENGUE.

Savannah, Ga.—Week Ended Nov. 27, 1920.

During the week ended November 27, 1920, three cases of dengue were reported at Savannah, Ga.

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 3045; Monthly summaries by States, p. 3049; and Weekly reports from cities, p. 3056.

LEPROSY.**Key West, Fla.—November, 1920.**

During November, 1920, a case of leprosy was reported at Key West, Fla., in the person of J. F. W., white, male, aged 24 years.

INFLUENZA.**City Reports for Week Ended Nov. 27, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Missouri—Continued.		
Birmingham.....		2	St. Louis.....	3	
Arkansas:			Springfield.....		2
Little Rock.....	1		New Jersey:		
California:			Jersey City.....	4	
Berkeley.....	1		Kearny.....	1	
Los Angeles.....	1		Paterson.....	1	
San Francisco.....	7	1	Trenton.....	1	1
Santa Cruz.....	1		New York:		
Connecticut:			Albany.....	1	
Hartford.....	5	1	Binghamton.....	3	
Manchester.....	1		Buffalo.....	1	
New Britain.....	8		Ciches.....	2	
Georgia:			Jamestown.....	4	
Atlanta.....	6	3	New York.....	35	5
Illinois:			Saratoga Springs.....	1	
Chicago.....	39	3	Schenectady.....		1
East St. Louis.....	1		Ohio:		
Indiana:			Akron.....	1	
Bedford.....	3		Cincinnati.....	3	1
Kansas:			Cleveland.....	5	
Parsons.....	4		Columbus.....	1	
Louisiana:			Norwood.....	1	
Monroe.....	1		Toledo.....		1
Maryland:			Rhode Island:		
Baltimore.....	15	2	Providence.....		1
Cumberland.....	1		South Carolina:		
Massachusetts:			Charleston.....		1
Cambridge.....	1		South Dakota:		
Fall River.....	1	1	Sioux Falls.....	2	
Quincy.....	1		Texas:		
Winthrop.....	1		Dallas.....	9	2
Worcester.....	1		Virginia:		
Michigan:			Richmond.....	1	
Detroit.....	4		Roanoke.....	3	
Flint.....		1	West Virginia:		
Highland Park.....	1		Fairmont.....	1	
Minnesota:			Wisconsin:		
Mankato.....	2		Eau Claire.....	1	
Minneapolis.....		1	Milwaukee.....	1	
Missouri:					
Joplin.....	1				
Kansas City.....	1	2			

MALARIA.**City Reports for Week Ended Nov. 27, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Louisiana:			Texas:		
Monroe.....	2	2	Beaumont.....		1
New Orleans.....	1	1	Dallas.....	6	1
Massachusetts:			Waco.....	3	1
Everett.....	1				

MEASLES.

See Telegraphic weekly reports from States, p. 3045; Monthly summaries by States p. 3049; and Weekly reports from cities, p. 3056.

PELLAGRA.**City Reports for Week Ended Nov. 27, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Georgia:			South Carolina:		
Atlanta.....		2	Charleston.....		1
Kentucky:			Texas:		
Lexington.....		1	Dallas.....		1
Louisiana:					
Monroe.....	1	1			

PLAGUE.**Human Cases of Plague Reported.**

Place.	Period covered.	Cases.	Deaths.	Remarks.
Florida:	1920.			
Pensacola.....	May 31 to Aug. 31.....	10	4	
	Sept. 1 to Dec. 11.....	0	0	
Louisiana:	1919.			
New Orleans.....	Oct. 22 to Dec. 31.....	12	4	
	1920.			
	Jan. 1 to Apr. 30.....	0	0	
	May 1 to Aug. 31.....	7	3	
	Sept. 1 to Dec. 11.....	0	0	
Texas:				
Beaumont.....	June 19 to Aug. 20.....	14	5	
	Aug. 21 to Dec. 11.....	0	0	
Galveston.....	June 8 to Nov. 14.....	17	11	
	Nov. 15 to Dec. 11.....	0	0	
Port Arthur.....	July 7.....	1	1	From Galveston.

Plague-Infected Rodents.

Place.	Period covered.	Rodents found plague infected.
Florida:	1920.	
Pensacola.....	June 28 to Sept. 19.....	31
	Sept. 20 to Dec. 11.....	0
Louisiana:	1919.	
New Orleans.....	November and December.....	308
	1920.	
	January to November.....	269
	December 1 to 6.....	2
	Dec. 7 to 11.....	2
Texas:		
Beaumont.....	July 1 to Oct. 25.....	123
	Oct. 26 to Dec. 11.....	0
Galveston.....	June 21 to Nov. 30.....	64
	Dec. 1 to 3.....	1
	Dec. 4.....	2
	Dec. 5 to 11.....	0
Port Arthur.....	Oct. 25.....	1

PNEUMONIA (ALL FORMS).

City Reports for Week Ended Nov. 27, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Massachusetts:		
Birmingham.....		6	Amebury.....	1	.....
Arizona:			Boston.....	28	22
Tucson.....		2	Brockton.....	4	1
Little Rock.....	3	.....	Cambridge.....	4	1
California:			Chelsea.....	1	.....
Los Angeles.....	26	4	Clinton.....	1	.....
Oakland.....	1	6	Danvers.....	1	.....
Sacramento.....	2	3	Easthampton.....	1	.....
San Diego.....	1	1	Fall River.....	2	10
San Francisco.....	7	4	Haverhill.....	6	2
Santa Barbara.....	1	1	Holyoke.....	2	1
Santa Cruz.....	1	1	Leominster.....	1	1
Colorado:			Lowell.....	2	4
Colorado Springs.....	2	.....	Lynn.....	3	2
Denver.....		15	Medford.....	2	1
Greeley.....	2	2	New Bedford.....		2
Pueblo.....	2	2	Newburyport.....		2
Connecticut:			Newton.....	1	2
Bridgeport.....		4	Pittsfield.....	3	2
Greenwich.....	2	.....	Quincy.....	2	1
Hartford.....	4	1	Somerville.....	5	1
Manchester.....	2	.....	Springfield.....	2	.....
Meriden.....	3	3	Taunton.....		2
New Britain.....	3	3	Watertown.....	1	.....
New Haven.....		6	Witchester.....		1
Norwalk.....		1	Woburn.....	1	1
Delaware:			Worcester.....	6	5
Wilmington.....		3	Michigan:		
District of Columbia:			Ann Arbor.....	1	1
Washington.....		11	Benton Harbor.....	1	.....
Georgia:			Detroit.....	62	22
Atlanta.....	6	.....	Flint.....	1	4
Brunswick.....	1	.....	Grand Rapids.....	9	2
Savannah.....	1	.....	Highland Park.....	3	.....
Illinois:			Ironwood.....	1	.....
Bloomington.....		1	Ishpeming.....	4	2
Chicago.....	181	56	Kalamazoo.....	1	1
Danville.....	3	.....	Marquette.....	1	.....
Decatur.....		2	Muskegon.....	3	1
East St. Louis.....	1	.....	Pontiac.....	1	.....
Elgin.....	3	2	Port Huron.....	1	.....
Jacksonville.....		2	Saginaw.....	1	2
Kewanee.....		2	Sault Ste. Marie.....	1	.....
Oak Park.....	4	2	Minnesota:		
Peoria.....		2	Duluth.....	1	1
Rockford.....	2	.....	Hibbing.....	1	2
Rock Island.....	3	1	Minneapolis.....		4
Springfield.....		2	St. Paul.....		7
Indiana:			Missouri:		
Bedford.....	1	.....	Cape Girardeau.....	3	2
Brazil.....		1	Independence.....		1
East Chicago.....		1	Kansas City.....	13	12
Elkhart.....	1	.....	St. Joseph.....		4
Elwood.....		1	Springfield.....		2
Evansville.....		2	Montana:		
Fort Wayne.....	1	.....	Billings.....	1	.....
Indianapolis.....		8	Butte.....	1	3
Kokomo.....	1	.....	Great Falls.....	4	.....
La Fayette.....	2	.....	Missoula.....		1
Logansport.....		1	Nebraska:		
South Bend.....		3	Omaha.....		3
Terre Haute.....		1	Nevada:		
Iowa:			Reno.....	2	1
Council Bluffs.....		1	New Hampshire:		
Kansas:			Concord.....		1
Hutchinson.....	1	.....	Manchester.....		2
Kansas City.....	1	.....	New Jersey:		
Parsons.....	1	.....	Atlantic City.....	1	.....
Salina.....	1	.....	Bayonne.....	2	.....
Wichita.....	1	2	Belleville.....	5	.....
Kentucky:			Bloomfield.....	1	.....
Covington.....		1	East Orange.....	2	.....
Lexington.....		1	Elizabeth.....		5
Louisville.....	6	9	Garfield.....	1	.....
Paducah.....	1	.....	Gloucester.....	1	.....
Louisiana:			Hackensack.....	3	.....
New Orleans.....	1	11	Harrison.....	2	.....
Maine:			Hoboken.....	1	2
Bangor.....	1	1	Irvington.....	1	.....
Portland.....	5	.....	Jersey City.....	8	.....
Sanford.....	6	1	Kearny.....	3	.....
Baltimore.....	32	16	Morristown.....	2	.....
Cumberland.....	5	1			

PNEUMONIA (ALL FORMS)—Continued.

City Reports for Week Ended Nov. 27, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
New Jersey—Continued.			Ohio—Continued.		
Orange.....	1	1	Ironton.....	2	2
Passaic.....	1	1	Lancaster.....		1
Paterson.....	2		Lorain.....	1	
Perth Amboy.....		1	Mans'eld.....	1	
Plainfield.....	1	1	Middletown.....		1
Trenton.....	8	2	Piqua.....	1	
West New York.....	1		Sandusky.....	1	1
West Orange.....	2	1	Springfield.....		2
New Mexico:			Toledo.....		2
Albuquerque.....		2	Oklahoma:		
New York:			Oklahoma City.....	2	3
Albany.....	6		Tulsa.....	1	
Auburn.....	1	2	Oregon:		
Binghamton.....	10	1	Portland.....		6
Buffalo.....	22	13	Pennsylvania:		
Cohoes.....	1	2	Philadelphia.....	75	47
Glens Falls.....		1	Rhode Island:		
Ithaca.....	3		Cranston.....	2	1
Jamestown.....	4		Newport.....		1
Lackawanna.....	4	1	Pawtucket.....		3
Lockport.....		2	Providence.....		4
Middletown.....	1		South Carolina:		
Mount Vernon.....	7	3	Charleston.....		2
Newburgh.....		1	Tennessee:		
New York.....	294	129	Memphis.....		6
Niagara Falls.....	1	2	Nashville.....		3
Peekskill.....	1	1	Texas:		
Rochester.....	8	2	Beaumont.....		2
Rome.....	1		Dallas.....	8	1
Saratoga Springs.....	1	1	El Paso.....		6
Schenectady.....	3	2	Galveston.....		1
Syracuse.....	3	2	Tempe.....	1	
Troy.....	1		Utah:		
Yonkers.....	5	3	Salt Lake City.....		4
North Carolina:			Vermont:		
Charlotte.....		5	Rutland.....		1
Greensboro.....		1	Virginia:		
Rocky Mount.....		1	Portsmouth.....		3
Wilmington.....	1	1	Richmond.....		7
Winston-Salem.....		1	Roanoke.....	2	2
Ohio:			West Virginia:		
Akron.....	2		Wheeling.....		5
Barberton.....	2		Wisconsin:		
Chillicothe.....		1	Beloit.....	1	1
Cincinnati.....		8	Madison.....		3
Cleveland.....	18	16	Milwaukee.....	5	11
Columbus.....	2	6	Racine.....		4
Dayton.....	1		Superior.....		1
East Cleveland.....	1	1			

POLIOMYELITIS (INFANTILE PARALYSIS).

City Reports for Week Ended Nov. 27, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Michigan:			
Birmingham.....	0	1		Detroit.....	0	1	
Connecticut:				Minnesota:			
Danbury.....		1	1	St. Paul.....	0	1	
Iowa:				St. Louis.....	0	2	
Cedar Rapids.....	0	1		New York:			
Massachusetts:				New York.....	2	2	1
Amesbury.....		1		North Dakota:			
Beverly.....	0	1		Fargo.....		1	
Boston.....	(1)	4		Wisconsin:			
Haverhill.....	0	1		Fond du Lac.....	0	1	
Medford.....	(2)	1					
Newburyport.....	(2)	1	1				

¹ Excluding 1916, an epidemic year, average less than 1.

² Average less than 1.

² Excluding 1916, an epidemic year.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 3045; Monthly summaries by States, p. 3049; and Weekly reports from cities, p. 3056.

SMALLPOX.

City Reports for Week Ended Nov. 27, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Minnesota:			
Tuscaloosa.....	0	1		Duluth.....	(¹)	10	
California:				Mankato.....	0	2	
Alameda.....	0	3		Minneapolis.....	10	86	
Berkeley.....	1	2		St. Paul.....	16	9	
Long Beach.....	(¹)	1		Winona.....	(¹)	4	
Los Angeles.....	1	1		Mississippi:			
Oakland.....	3	3		Laurel.....	0	1	
Sacramento.....	0	10		Missouri:			
San Francisco.....	0	25		Kansas City.....	18	4	
Santa Cruz.....	0	4		St. Louis.....	3 ¹	2	
Colorado:				Montana:			
Colorado Springs.....	0	1		Great Falls.....	0	1	
Denver.....	14	7		Missoula.....	0	8	
Georgia:				Nebraska:			
Atlanta.....	(¹)	1		Omaha.....	25	9	
Idaho:				Nevada:			
Boise.....	2	3		Reno.....	0	1	
Illinois:				North Carolina:			
Bloomington.....	0	1		Charlotte.....	0	2	
Chicago.....	2	5		North Dakota:			
East St. Louis.....	0	1		Fargo.....	4	16	
Oak Park.....	0	2		Grand Forks.....		3	
Rockford.....	0	11		Ohio:			
Indiana:				Akron.....	6	6	
Bedford.....	0	6		Ashtabula.....	0	3	
Elkhart.....		1		Canton.....	(¹)	2	
Hammond.....	0	1		Cincinnati.....	(¹)	6	
Huntington.....	1	2		Cleveland.....	21	9	
Indianapolis.....	7	4		Hamilton.....	0	4	
Kokomo.....	4	2		Lancaster.....	0	2	
Marion.....	0	1		Lorain.....	(¹)	2	
Mishawaka.....	0	2		Middletown.....	(¹)	1	
South Bend.....	(¹)	16		Springfield.....	(¹)	2	
Terre Haute.....	0	4		Steubenville.....	(¹)	2	
Iowa:				Tiffin.....	0	2	
Cedar Rapids.....	(¹)	2		Oklahoma:			
Clinton.....	0	1		Tulsa.....		1	
Council Bluffs.....	0	1		Oregon:			
Davenport.....	6	1		Portland.....	12	8	
Dubuque.....	2	7		Pennsylvania:			
Iowa City.....	0	3		Philadelphia.....	(¹)	1	
Marshalltown.....	11	1		South Carolina:			
Mason City.....	0	1		Charleston.....	(¹)	8	
Muscatine.....	(¹)	1		Tennessee:			
Sioux City.....	2	12		Memphis.....	1	1	
Kansas:				Nashville.....	0	6	
Atchison.....		1		Texas:			
Kentucky:				Waco.....	1	1	
Louisville.....	0	1		Utah:			
Louisiana:				Salt Lake City.....	2	42	
New Orleans.....	1	9	2	Vermont:			
Maryland:				Burlington.....		1	
Cumberland.....	0	2		Rutland.....	0	4	
Michigan:				Virginia:			
Battle Creek.....	1	24		Lynchburg.....	0	1	
Detroit.....	8	21		Wisconsin:			
Flint.....	2	1		Appleton.....	0	1	
Kalamazoo.....	(¹)	1		Green Bay.....	5	1	
Ludington.....	0	1		Madison.....	(¹)	1	
Muskegon.....		1		Milwaukee.....	5	16	
Sault Ste. Marie.....	0	4		Sheboygan.....		46	

¹ Average less than 1.

TETANUS.

City Reports for Week Ended Nov. 27, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Georgia:			New York:		
Savannah.....		1	New York.....	1	2
Maryland:			Ohio:		
Baltimore.....		1	Columbus.....		1
Massachusetts:					
Springfield.....		1			

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 3045, and Weekly reports from cities, p. 3056.

TYPHOID FEVER.

City Reports for Week Ended Nov. 27, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding weeks of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Massachusetts:			
Birmingham.....	2	2	.....	Adams.....	0	2	.....
Arkansas:				Cambridge.....	(¹)	1	.....
Fort Smith.....	4	4	.....	Fall River.....	3	1	.....
Hot Springs.....	0	1	.....	Pittsfield.....	(¹)	1	.....
California:				Taunton.....	0	1	1
Long Beach.....	0	1	.....	Michigan:			
Los Angeles.....	3	1	.....	Battle Creek.....	0	4	.....
San Francisco.....	2	3	.....	Detroit.....	4	2	.....
Connecticut:				Flint.....	2	1	.....
Hartford.....	1	2	.....	Kalamazoo.....	1	1	.....
New Haven.....	(¹)	3	.....	Port Huron.....	1	3	.....
District of Columbia:				Saginaw.....	1	4	.....
Washington.....	3	6	2	Minnesota:			
Georgia:				Duluth.....	(¹)	.....	1
Atlanta.....	(¹)	2	1	Minneapolis.....	2	1	.....
Illinois:				Red Wing.....	0	1	.....
Chicago.....	10	7	1	St. Paul.....	1	1	1
Danville.....	(¹)	2	.....	Missouri:			
Kewanee.....	0	1	.....	Kansas City.....	(¹)	2	.....
Mattoon.....	0	3	.....	St. Louis.....	12	4	1
Rockford.....	1	1	.....	Springfield.....	0	.....	1
Springfield.....	0	1	1	Montana:			
Indiana:				Billings.....	0	1	.....
Bedford.....	0	1	.....	Nebraska:			
Huntington.....	1	1	.....	Omaha.....	(¹)	1	1
Kokomo.....	(¹)	2	.....	Nevada:			
Logansport.....	0	1	.....	Reno.....	0	1	.....
Richmond.....	0	1	.....	New Hampshire:			
South Bend.....	(¹)	1	.....	Concord.....	0	1	.....
Iowa:				Dover.....	0	1	.....
Burlington.....	0	1	.....	New Jersey:			
Kansas:				Jersey City.....	0	2	.....
Parsons.....	0	1	.....	Morristown.....	0	1	.....
Kentucky:				Plainfield.....	(¹)	1	.....
Louisville.....	2	.....	1	Trenton.....	1	1	.....
Louisiana:				New Mexico:			
New Orleans.....	4	2	.....	Albuquerque.....	1	3	.....
Maine:				New York:			
Bangor.....	0	1	.....	Binghamton.....	(¹)	1	.....
Lewiston.....	.....	.....	1	Buffalo.....	4	2	.....
Maryland:				Dunkirk.....	0	1	.....
Baltimore.....	10	4	1	New York.....	24	14	3
Cumberland.....	0	1	2	Rochester.....	3	1	.....

¹ Average less than 1.

TYPHOID FEVER—Continued.

City Reports for Week Ended Nov. 27, 1920—Continued.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
New York—Continued.				Pennsylvania—Contd.			
Rome.....	0	1	.....	Chester.....	(1)	1	.....
Schenectady.....	(1)	2	.....	Johnstown.....	(1)	2	.....
Troy.....	(1)	2	.....	Lancaster.....	(1)	2	.....
North Carolina:				Philadelphia.....	10	1	.....
Durham.....	(1)	.....	1	Pittsburgh.....	2	3	.....
Winston-Salem.....	1	.....	1	Sanbury.....	0	1	.....
North Dakota:				Washington.....	(1)	3	.....
Fargo.....	0	1	.....	Williamsport.....	0	1	.....
Ohio:				Rhode Island:			
Akron.....	2	1	.....	Providence.....	1	1	.....
Cleveland.....	2	7	.....	South Carolina:			
East Cleveland.....	0	1	.....	Charleston.....	2	1	.....
Findlay.....	0	.....	1	Tennessee:			
Lorain.....	(1)	2	.....	Memphis.....	1	.....	1
Marion.....	1	1	.....	Nashville.....	3	1	.....
Middletown.....	0	1	.....	Texas:			
Piqua.....	0	1	.....	El Paso.....	1	1	1
Steubenville.....	(1)	1	.....	Utah:			
Toledo.....	2	1	.....	Salt Lake City.....	2	1	.....
Oklahoma:				Virginia:			
Tulsa.....	.....	3	.....	Portsmouth.....	(1)	5	.....
Oregon:				West Virginia:			
Portland.....	2	.....	2	Huntington.....	0	2	.....
Pennsylvania:				Wheeling.....	5	1	.....
Beaver Falls.....	0	2	.....	Wisconsin:			
Bradford.....	0	1	.....	Fond du Lac.....	0	1	.....
Butler.....	(1)	1	.....			

¹ Average less than 1.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended Nov. 27, 1920.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Adams, Mass.....	14,406	.....	9	.....	6	.....	.....	.....	2	.....
Akron, Ohio.....	93,604	28	9	.....	5	.....	4	.....	1	.....
Alameda, Calif.....	28,433	9	1	.....	.....	.....	.....	.....	.....	.....
Albany, N. Y.....	106,632	.....	3	.....	15	.....	8	.....	5	.....
Albuquerque, N. Mex.....	14,559	15	2	.....	10	.....	1	.....	8	8
Alexandria, Va.....	17,959	4	.....	.....	.....	.....	.....	.....	.....	.....
Allentown, Pa.....	65,199	.....	14	.....	37	.....	.....	.....	.....	.....
Alliance, Ohio.....	19,781	6	1	.....	.....	.....	1	.....	.....	.....
Alton, Ill.....	23,783	7	4	.....	.....	.....	2	1	.....	1
Altoona, Pa.....	59,712	.....	1	.....	.....	.....	.....	.....	.....	.....
Amesbury, Mass.....	10,200	1	.....	.....	.....	.....	.....	.....	.....	.....
Anaconda, Mont.....	10,631	3	1	1	6	.....	6	.....	.....	.....
Ann Arbor, Mich.....	15,041	8	1	.....	.....	.....	2	.....	.....	.....
Anniston, Ala.....	14,326	.....	2	.....	.....	.....	.....	.....	.....	.....
Arlington, Mass.....	13,073	6	1	.....	1	.....	1	.....	1	1
Asbury Park, N. J.....	14,629	3	.....	.....	.....	.....	.....	.....	.....	.....
Ashtabula, Ohio.....	22,098	5	.....	1	.....	1	.....	.....	1	.....
Atchison, Kans.....	16,781	.....	2	.....	.....	.....	4	.....	.....	.....
Atlanta, Ga.....	198,144	50	10	.....	7	.....	2	.....	3	5
Atlantic City, N. J.....	55,513	14	1	.....	.....	.....	1	.....	.....	1
Attleboro, Mass.....	19,776	5	.....	.....	.....	.....	1	.....	.....	.....
Auburn, N. Y.....	37,823	7	1	.....	.....	.....	.....	.....	.....	.....
Aurora, Ill.....	34,795	5	.....	.....	.....	.....	.....	.....	.....	.....
Baltimore, Md.....	504,637	204	59	4	14	.....	12	.....	14	19
Bangor, Me.....	26,958	.....	5	.....	.....	.....	1	.....	.....	.....
Barberton, Ohio.....	14,187	7	1	.....	.....	.....	.....	.....	.....	.....
Battle Creek, Mich.....	30,189	.....	6	1	.....	.....	5	.....	.....	.....
Bayonne, N. J.....	72,204	.....	5	.....	6	.....	3	.....	3	.....

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

City Reports for Week Ended Nov. 27, 1920—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphthcr'a.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Beacon, N. Y.	11,674	4								
Beatrice, Nebr.	10,437	1								
Beaumont, Tex.	28,851	8			1					1
Beaver Falls, Pa.	13,749		1		9		3			
Bedford, Ind.	10,613	2					2			
Belleville, N. J.	12,797								1	
Beloit, Wis.	18,547	4								
Benton Harbor, Mich.	11,099	3					2			
Berkeley, Calif.	60,427	9	5				7			
Berlin, N. H.	13,892	0								
Pethlehem, Pa.	14,353		5				11			
Beverly, Mass.	22,128	5	2		3					
Biddelford, Me.	17,760		2							
Billings, Mont.	13,123	5	1		1		2			
Binghamton, N. Y.	54,894	16			111	1	1			
Birmingham, Ala.	189,716	55	5				2		8	9
Bloomfield, N. J.	19,013	3			1		1		1	
Bloomington, Ill.	27,462	10					2			
Bloomington, Ind.	11,661	3								
Bluefield, W. Va.	16,123		1				5			
Boise, Idaho.	35,951	4	1				1			
Boston, Mass.	767,813	187	51	2	23	1	22	1	61	10
Brad dock, Pa.	22,060		8				1			
Bradford, Pa.	14,544				10		3		2	
Brasil, Ind.	10,472	3								
Bridgeport, Conn.	124,724	33	13	3	1		12		4	2
Bristol, Conn.	16,318	6	7						3	
Brookton, Mass.	69,152								3	
Brookline, Mass.	33,526	2	1				1		1	
Brunswick, Ga.	10,984	2								
Buffalo, N. Y.	475,781	125	88	5	91	5	10	2	23	11
Burlington, Vt.	21,802	10	2						2	1
Butler, Pa.	28,677						11			
Butte, Mont.	44,057	18	1		42		1			1
Cambridge, Mass.	114,293	30	10		3		8	1	2	2
Canton, Ohio.	62,566	14	8	2	1		5			2
Cape Girardeau, Mo.	11,146	5	3							
Carbondale, Pa.	19,397		2		23					
Carnegie, Pa.	11,963						1			
Centralia, Ill.	11,838	3								
Chambersburg, Pa.	12,475		1		1					
Charleston, S. C.	61,041	19	5				1			1
Charleston, W. Va.	31,030		5		1		1			
Charlotte, N. C.	40,769	20	1		13		1			
Chelsea, Mass.	46,405	7	2		7		1			
Chester, Pa.	41,857		7				4		2	
Chicago, Ill.	2,547,201	594	288	16	92	1	142	6	163	40
Chicopee, Mass.	29,950	10		2						2
Chillicothe, Ohio.	15,625	7					1		2	1
Cincinnati, Ohio.	414,248	93	26	1	1		15	1	15	10
Cleveland, Ohio.	692,259		50	3	14		70	3	19	16
Clinton, Iowa.	27,678		1							
Clinton, Mass.	13,075	6			39					
Coatesville, Pa.	14,998		4				13			
Coffeyville, Kans.	18,331	6	2				1			
Cohoes, N. Y.	25,222	5			66					
Colorado Springs, Colo.	38,965	5								
Columbia, Pa.	11,454		1							
Columbia, S. C.	35,165		3		3					
Columbus, Ohio.	220,135	72	16				10	1	7	6
Concord, N. H.	22,858	10			16					1
Connellsville, Pa.	15,876		2		2					
Corpus Christi, Tex.	10,789	4								
Council Bluffs, Iowa.	31,838	9					8			
Covington, Ky.	56,623	12					4		1	
Cranston, R. I.	26,773	7	3				1			2
Crawfordsville, Ind.	11,443	1								
Cumberland, Md.	26,696	15	1				1		1	
Dallas, Tex.	129,738	33	16	1	1		9		3	1
Danbury, Conn.	22,931	13					2			
Danville, Ill.	32,969	11					1		3	

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended Nov. 27, 1920--Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Danville, Va.....	20,183	.....	3	.....	.....	.....	.....	.....	.....	.....
Davenport, Iowa.....	49,618	.....	.....	.....	.....	.....	3	.....	.....	.....
Dayton, Ohio.....	128,939	24	8	.....	1	.....	5	.....	1	.....
Decatur, Ill.....	41,483	7	5	.....	.....	.....	.....	.....	.....	.....
Deerham, Mass.....	10,618	3	.....	.....	.....	.....	.....	.....	.....	.....
Denver, Colo.....	268,439	75	25	1	84	.....	7	.....	.....	10
Des Moines, Iowa.....	104,052	1	14	.....	.....	.....	8	.....	.....	.....
Detroit, Mich.....	619,648	178	109	8	8	.....	87	1	26	7
Dover, N. H.....	18,276	4	1	.....	2	.....	.....	.....	.....	.....
Dubois, Pa.....	14,584	.....	3	1	1	.....	.....	.....	.....	.....
Dubuque, Iowa.....	40,086	.....	7	1	1	.....	1	.....	.....	.....
Duluth, Minn.....	97,077	15	4	2	1	.....	4	.....	1	3
Dunkirk, N. Y.....	24,811	8	7	2	.....	.....	5	.....	.....	1
Dunmore, Pa.....	21,286	.....	6	.....	9	.....	.....	.....	.....	.....
Durham, N. C.....	26,160	6	5	.....	.....	.....	1	.....	.....	.....
East Chicago, Ind.....	30,283	11	.....	1	.....	.....	.....	.....	.....	1
East Cleveland, Ohio.....	18,854	.....	2	.....	1	.....	.....	.....	.....	.....
Easthampton, Mass.....	10,656	1	4	1	.....	.....	1	.....	1	.....
Easton, Pa.....	30,354	.....	2	.....	.....	.....	2	.....	.....	.....
East Orange, N. J.....	43,761	2	18	.....	.....	.....	1	.....	.....	.....
East Providence, R. I.....	18,485	.....	1	.....	1	.....	.....	.....	.....	.....
East St. Louis, Ill.....	77,312	13	1	.....	.....	.....	.....	.....	.....	1
Eau Claire, Wis.....	18,887	.....	.....	.....	2	.....	.....	.....	.....	.....
Elgin, Ill.....	28,562	9	8	.....	.....	.....	2	.....	.....	.....
Elizabeth, N. J.....	88,830	20	.....	.....	.....	.....	1	.....	.....	1
Elkhart, Ind.....	22,273	10	.....	1	.....	.....	9	.....	.....	1
Elmira, N. Y.....	38,272	18	2	.....	.....	.....	.....	.....	.....	.....
El Paso, Tex.....	69,149	47	3	1	4	.....	1	.....	.....	9
Elwood, Ind.....	11,028	3	.....	.....	.....	.....	.....	.....	.....	.....
Englewood, N. J.....	12,603	2	.....	.....	.....	.....	.....	.....	.....	1
Erie, Pa.....	76,662	.....	10	.....	.....	.....	14	.....	11	.....
Eureka, Calif.....	15,142	3	.....	.....	.....	.....	5	.....	.....	.....
Evanston, Ill.....	29,394	12	5	.....	.....	.....	.....	.....	.....	.....
Evansville, Ind.....	76,581	21	17	.....	.....	.....	3	.....	.....	1
Everett, Mass.....	40,160	6	2	.....	.....	.....	5	.....	1	2
Fairmont, W. Va.....	16,111	.....	2	.....	.....	.....	.....	.....	.....	.....
Fall River, Mass.....	129,828	32	7	.....	13	.....	1	.....	5	3
Fargo, N. Dak.....	17,872	5	.....	.....	.....	.....	3	.....	.....	.....
Farrell, Pa.....	10,190	.....	2	.....	.....	.....	13	.....	.....	.....
Findlay, Ohio.....	14,858	7	.....	.....	.....	.....	.....	.....	.....	.....
Flint, Mich.....	57,386	24	20	1	1	.....	10	.....	.....	.....
Fond du Lac, Wis.....	21,486	5	3	.....	.....	.....	.....	.....	.....	.....
Fort Dodge, Iowa.....	21,039	1	.....	.....	.....	.....	.....	.....	.....	.....
Fort Scott, Kans.....	10,564	3	6	.....	.....	.....	.....	.....	.....	.....
Fort Smith, Ark.....	29,330	.....	2	.....	.....	.....	2	.....	1	.....
Fort Wayne, Ind.....	78,014	21	4	.....	.....	.....	2	.....	.....	1
Fostoria, Ohio.....	10,959	2	.....	.....	.....	.....	1	.....	.....	.....
Frankfort, Ind.....	10,103	0	.....	.....	1	.....	2	.....	.....	.....
Freeport, Ill.....	19,814	5	.....	.....	.....	.....	.....	.....	.....	.....
Galesburg, Ill.....	24,629	6	.....	.....	.....	.....	.....	.....	.....	.....
Galveston, Tex.....	42,650	13	2	.....	.....	.....	1	.....	.....	.....
Gardner, Mass.....	17,531	5	.....	.....	.....	.....	.....	.....	1	.....
Garfield, N. J.....	15,109	.....	1	.....	.....	.....	.....	.....	.....	.....
Gary, Ind.....	56,000	.....	3	.....	1	.....	1	.....	.....	.....
Geneva, N. Y.....	12,915	6	.....	.....	.....	.....	.....	.....	.....	.....
Glens Falls, N. Y.....	17,160	6	.....	.....	.....	.....	.....	.....	.....	.....
Grand Forks, N. Dak.....	16,312	0	7	.....	1	.....	.....	.....	.....	.....
Grand Rapids, Mich.....	152,861	34	21	1	1	.....	5	.....	2	.....
Granite City, Ill.....	15,890	2	1	.....	.....	.....	.....	.....	.....	1
Great Falls, Mont.....	13,948	10	.....	.....	5	.....	3	.....	1	1
Greely, Colo.....	13,942	5	.....	.....	.....	.....	.....	.....	.....	.....
Green Bay, Wis.....	30,017	6	2	.....	1	.....	.....	.....	1	.....
Greenfield, Mass.....	12,251	4	.....	.....	.....	.....	7	.....	.....	.....
Greensboro, N. C.....	29,171	12	.....	.....	.....	.....	.....	.....	.....	.....
Greenwich, Conn.....	19,594	4	3	.....	.....	.....	1	.....	.....	.....
Hackensack, N. J.....	17,412	1	3	.....	1	.....	.....	.....	.....	.....
Hamilton, Ohio.....	41,338	6	.....	.....	1	.....	8	.....	.....	.....
Hammond, Ind.....	27,016	.....	5	.....	.....	.....	6	.....	.....	.....
Harrisburg, Pa.....	78,276	.....	11	.....	1	.....	2	.....	.....	.....
Harrison, N. J.....	17,345	.....	11	.....	.....	.....	.....	.....	.....	.....
Hartford, Conn.....	112,831	29	11	1	.....	.....	6	.....	5	.....

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended Nov. 27, 1920—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tubercu- losis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Haverhill, Mass.	49,180	14	9	.....	1	.....	3	.....	2	1
Hazleton, Pa.	28,981	.....	2	.....	.....	.....	1	.....	.....	.....
Hibbing, Minn.	17,550	4	2	1	.....	.....	1	.....	.....	.....
Highland Park, Mich.	33,859	7	3	.....	.....	.....	3	.....	1	.....
Hoboken, N. J.	78,324	21	2	1	.....	.....	.....	.....	2	3
Holyoke, Mass.	66,503	18	1	.....	.....	.....	1	.....	3	.....
Hot Springs, Ark.	17,690	5	.....	.....	.....	.....	.....	.....	.....	.....
Huntington, Ind.	10,982	2	.....	.....	.....	.....	1	.....	.....	.....
Huntington, W. Va.	47,686	14	4	.....	.....	.....	1	.....	.....	.....
Hutchinson, Kans.	21,461	.....	2	.....	.....	.....	.....	.....	.....	.....
Independence, Mo.	11,964	6	.....	.....	.....	.....	.....	.....	.....	.....
Indianapolis, Ind.	283,622	83	7	1	3	.....	49	1	10	7
Iowa City, Iowa.	11,626	.....	1	.....	.....	.....	.....	.....	.....	.....
Ironton, Ohio.	14,079	6	.....	.....	1	.....	8	.....	.....	2
Ironwood, Mich.	15,095	3	.....	.....	5	.....	2	.....	.....	.....
Irvington, N. J.	16,710	.....	.....	.....	.....	.....	5	.....	1	.....
Ishpeming, Mich.	12,448	3	3	.....	.....	.....	3	.....	.....	.....
Ithaca, N. Y.	16,017	5	.....	.....	.....	.....	.....	.....	.....	1
Jacksonville, Ill.	15,506	7	.....	.....	.....	.....	.....	.....	.....	.....
Jamestown, N. Y.	37,431	9	6	.....	.....	.....	3	.....	1	.....
Janesville, Wis.	14,411	6	1	.....	.....	.....	4	.....	.....	1
Jefferson City, Mo.	13,712	3	.....	.....	.....	.....	.....	.....	.....	.....
Jersey City, N. J.	312,557	.....	33	.....	1	.....	12	.....	8	.....
Johnstown, N. Y.	10,678	.....	4	.....	3	.....	1	.....	1	.....
Joplin, Mo.	33,400	.....	8	.....	.....	.....	3	.....	.....	.....
Kalamazoo, Mich.	50,408	18	2	.....	.....	.....	11	.....	2	2
Kankakee, Ill.	14,270	3	.....	.....	5	.....	.....	.....	.....	.....
Kansas City, Kans.	102,096	.....	16	.....	1	.....	4	.....	4	.....
Kansas City, Mo.	305,816	81	39	3	3	.....	23	3	3	6
Kearny, N. J.	24,325	3	7	.....	1	.....	3	.....	2	.....
Keene, N. H.	10,725	2	.....	.....	.....	.....	.....	.....	.....	.....
Kenosha, Wis.	32,833	7	5	1	1	.....	2	.....	.....	.....
Keokuk, Iowa.	14,008	3	2	.....	.....	.....	.....	.....	.....	.....
Kewanee, Ill.	13,607	5	3	.....	.....	.....	4	.....	.....	.....
Knoxville, Tenn.	59,112	.....	12	2	.....	.....	5	.....	2	2
Kokomo, Ind.	21,929	7	.....	.....	.....	.....	3	.....	.....	1
Lackawanna, N. Y.	16,219	5	1	1	23	.....	2	.....	1	.....
Lafayette, Ind.	21,481	3	.....	.....	.....	.....	2	1	.....	.....
Lake Charles, La.	14,930	8	.....	.....	.....	.....	2	.....	.....	.....
Lancaster, Ohio.	16,086	2	.....	.....	1	.....	.....	.....	.....	.....
Lancaster, Pa.	51,437	.....	12	.....	.....	.....	2	.....	1	.....
La Salle, Ill.	12,332	2	.....	.....	.....	.....	2	.....	.....	.....
Laurel, Miss.	12,313	.....	1	.....	.....	.....	.....	.....	.....	.....
Lawrence, Kans.	13,477	1	.....	.....	.....	.....	1	.....	.....	.....
Lawrence, Mass.	102,923	22	9	3	2	.....	9	.....	4	2
Leavenworth, Kans.	19,363	2	5	.....	.....	.....	.....	.....	.....	.....
Lebanon, Pa.	20,947	.....	4	.....	.....	.....	2	.....	.....	.....
Leominster, Mass.	21,365	5	.....	.....	.....	.....	.....	.....	.....	.....
Lewiston, Me.	28,061	7	2	.....	11	.....	.....	.....	1	1
Lexington, Ky.	41,997	21	1	.....	.....	.....	.....	.....	.....	5
Lincoln, Nebr.	46,957	11	.....	.....	.....	.....	1	.....	.....	.....
Little Rock, Ark.	58,716	.....	5	.....	19	.....	.....	.....	6	.....
Lockport, N. Y.	20,028	10	1	1	.....	.....	1	.....	1	.....
Logansport, Ind.	21,338	6	.....	.....	.....	.....	1	.....	.....	.....
Long Beach, Calif.	29,163	14	3	.....	1	.....	.....	.....	1	.....
Lorain, Ohio.	38,266	10	2	.....	.....	.....	4	.....	.....	.....
Los Angeles, Calif.	535,485	126	47	3	29	.....	14	.....	50	17
Louisville, Ky.	240,808	76	22	.....	.....	.....	11	.....	8	8
Lowell, Mass.	114,366	31	5	.....	67	.....	6	.....	10	4
Ludington, Mich.	10,566	8	.....	.....	.....	.....	.....	.....	.....	.....
Lynchburg, Va.	33,497	8	9	.....	.....	.....	.....	.....	1	2
Lynn, Mass.	104,534	26	13	2	1	.....	3	.....	4	3
McKees Rocks, Pa.	20,795	.....	1	.....	.....	.....	.....	.....	.....	.....
Madison, Wis.	31,315	11	.....	.....	.....	.....	3	.....	.....	1
Mahanoy City, Pa.	17,709	.....	2	.....	.....	.....	.....	.....	.....	.....
Malden, Mass.	52,243	14	2	.....	.....	.....	1	.....	1	.....
Manchester, Conn.	15,859	1	.....	.....	.....	.....	.....	.....	.....	.....
Manchester, N. H.	79,607	14	15	.....	.....	.....	.....	.....	3	1
Mankato, Minn.	10,385	2	.....	.....	.....	.....	2	.....	.....	.....
Mansfield, Ohio.	23,051	6	.....	.....	1	.....	1	.....	1	.....
Marionette, Wis.	14,610	.....	.....	.....	1	.....	2	.....	.....	.....
Marion, Ind.	19,923	0	1	.....	.....	.....	1	.....	.....	.....

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended Nov. 27, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Marion, Ohio.....	24,129	.....	1	.....	.....	.....	1	.....	2	.....
Marquette, Mich.....	12,555	.....	8	.....	2	.....	.....	.....	1	.....
Marshalltown, Iowa.....	14,519	.....	.....	.....	.....	.....	1	.....	.....	.....
Mason City, Iowa.....	14,938	.....	7	.....	2	.....	1	1	.....	.....
Mattoon, Ill.....	12,764	.....	.....	.....	.....	.....	.....	.....	1	.....
Medford, Mass.....	26,681	.....	7	3	1	.....	3	.....	.....	.....
Melroe, Mass.....	17,724	.....	9	.....	1	.....	1	.....	2	.....
Memphis, Tenn.....	151,877	37	22	1	.....	.....	11	.....	4	4
Meriden, Conn.....	129,431	4	3	1	.....	.....	6	.....	.....	.....
Methuen, Mass.....	14,320	4	3	.....	1	.....	.....	.....	.....	.....
Middletown, N. Y.....	15,890	.....	1	.....	31	.....	2	.....	1	.....
Middletown, Ohio.....	16,324	.....	5	.....	.....	.....	.....	.....	3	2
Milwaukee, Wis.....	445,008	101	96	4	7	.....	39	1	13	4
Minneapolis, Minn.....	373,448	75	22	1	2	.....	40	.....	15	2
Mishawaka, Ind.....	17,063	.....	5	.....	.....	.....	2	.....	.....	.....
Missoula, Mont.....	19,075	.....	5	.....	.....	.....	3	.....	1	.....
Mobile, Ala.....	50,201	21	4	.....	.....	.....	.....	.....	.....	.....
Monessen, Pa.....	23,070	.....	.....	.....	1	.....	2	.....	1	.....
Monmouth, Ill.....	10,346	.....	2	.....	.....	.....	3	.....	.....	1
Monroe, La.....	13,988	.....	8	2	.....	.....	.....	.....	.....	1
Montclair, N. J.....	27,867	4	2	.....	9	.....	.....	.....	1	.....
Montgomery, Ala.....	44,039	13	1	.....	.....	.....	4	.....	.....	.....
Morgantown, W. Va.....	14,444	.....	1	1	1	.....	.....	11	.....	.....
Morristown, N. J.....	13,410	.....	0	.....	.....	.....	1	.....	.....	.....
Moundsville, W. Va.....	11,513	.....	2	.....	.....	.....	1	.....	.....	.....
Mount Carmel, Pa.....	20,709	.....	.....	3	.....	.....	2	.....	.....	.....
Mount Vernon, N. Y.....	37,991	7	7	.....	.....	.....	1	.....	.....	.....
Muncie, Ind.....	25,653	9	3	.....	.....	.....	5	.....	1	.....
Muscatine, Iowa.....	17,713	.....	6	.....	.....	.....	.....	.....	.....	.....
Muskogee, Mich.....	27,434	.....	9	11	1	.....	2	.....	.....	.....
Muskogee, Okla.....	47,173	.....	4	.....	1	.....	5	.....	1	.....
Nanticoke, Pa.....	23,811	.....	6	.....	7	.....	1	.....	.....	.....
Nashville, Tenn.....	118,136	53	10	.....	1	.....	5	.....	2	4
Newark, Ohio.....	30,317	.....	8	.....	.....	.....	1	.....	1	.....
New Bedford, Mass.....	121,622	25	7	.....	1	.....	3	.....	7	3
New Britain, Conn.....	55,385	12	23	.....	5	.....	3	.....	.....	1
New Brunswick, N. J.....	25,855	.....	3	.....	.....	.....	1	.....	1	.....
Newburgh, N. Y.....	29,893	7	3	.....	.....	.....	.....	.....	.....	1
Newburyport, Mass.....	15,291	.....	6	.....	.....	.....	.....	.....	.....	.....
New Haven, Conn.....	152,275	25	16	.....	.....	.....	13	.....	13	2
New London, Conn.....	21,199	.....	3	.....	.....	.....	.....	.....	2	.....
New Orleans, La.....	377,010	138	7	1	33	1	5	.....	25	15
New Philadelphia, Ohio.....	10,133	.....	.....	.....	.....	.....	2	.....	.....	.....
Newport, R. I.....	30,585	.....	5	2	.....	.....	1	.....	.....	.....
Newton, Mass.....	44,343	10	4	.....	44	.....	4	.....	1	.....
New York, N. Y.....	5,737,492	1,232	377	21	39	.....	196	4	149	114
Niagara Falls, N. Y.....	38,486	14	3	2	.....	.....	28	.....	1	.....
Norristown, Pa.....	31,989	.....	1	.....	1	.....	3	.....	.....	.....
North Adams, Mass.....	122,019	4	1	.....	.....	.....	.....	.....	.....	.....
Northampton, Mass.....	20,006	12	1	.....	1	.....	1	.....	1	2
North Braddock, Pa.....	15,684	.....	1	.....	.....	.....	.....	.....	.....	.....
North Little Rock, Ark.....	15,515	.....	4	.....	.....	.....	.....	.....	.....	.....
North Tonawanda, N. Y.....	14,060	.....	2	3	.....	.....	3	.....	.....	.....
Norwalk, Conn.....	27,352	.....	8	4	.....	.....	2	.....	2	1
Norwich, Conn.....	21,923	.....	5	1	.....	.....	.....	.....	1	1
Norwood, Ohio.....	23,269	.....	4	.....	1	.....	2	.....	2	.....
Oakland, Calif.....	208,405	48	3	.....	1	.....	2	.....	3	4
Oak Park, Ill.....	27,816	11	9	.....	3	.....	11	.....	.....	.....
Ogdensburg, N. Y.....	16,845	.....	2	.....	.....	.....	.....	.....	.....	.....
Oil City, Pa.....	20,162	.....	13	.....	17	.....	.....	.....	1	.....
Oklahoma City, Okla.....	97,888	15	13	.....	.....	.....	1	.....	.....	.....
Old Forge, Pa.....	15,479	.....	.....	.....	8	.....	.....	.....	.....	.....
Olean, N. Y.....	16,927	.....	7	2	2	.....	.....	.....	2	1
Omaha, Nebr.....	177,777	26	10	.....	1	.....	4	.....	.....	2
Orange, Conn.....	14,393	.....	4	2	.....	.....	.....	.....	.....	1
Orange, N. J.....	23,736	.....	6	1	1	.....	.....	.....	2	1
Oshkosh, Wis.....	26,549	.....	8	2	.....	.....	1	.....	2	1
Paducah, Ky.....	25,173	.....	4	.....	.....	.....	2	.....	.....	.....
Parkersburg, W. Va.....	21,080	.....	6	2	.....	.....	.....	.....	.....	.....
Parsons, Kans.....	15,952	.....	6	.....	.....	.....	4	.....	.....	.....
Pasadena, Calif.....	49,620	11	1	.....	3	.....	.....	.....	3	.....

¹ Population Apr. 15, 1910.

² Pulmonary tuberculosis only.

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

City Reports for Week Ended Nov. 27, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Passaic, N. J.	74,478	13	3		6		2		1	4
Paterson, N. J.	140,512		7		1		7		1	
Pawtucket, R. I.	60,666	18	2							
Peabody, Mass.	18,785	8								
Peekskill, N. Y.	19,034	8	1		3					
Peoria, Ill.	72,184	24	6		1		12			
Perth Amboy, N. J.	42,646	7	8	1	5		5		1	
Petersburg, Va.	25,817	6	6	1			2		2	
Philadelphia, Pa.	1,735,514	458	53	9	5		120	4	78	42
Phillipsburg, N. J.	15,879	1								
Piqua, Ohio	14,275	5							1	1
Pittsburgh, Pa.	586,196		41		6		81		14	
Pittsburg, Kans.	18,340	7	1	1			2			
Pittsfield, Mass.	39,678	12	1		16		1		2	1
Plainfield, N. J.	24,230	7	1	1			4		2	1
Plattsburg, N. Y.	13,111	1								
Plymouth, Mass.	14,001	4								
Plymouth, Pa.	19,439		1				1			
Pontiac, Mich.	18,006	3					9			1
Port Chester, N. Y.	16,727	1	2							
Port Huron, Mich.	18,863	6	2	1			1			
Portland, Me.	64,720	19	3		8					
Portland, O. ex.	308,399	53	11		22		5		6	7
Portsmouth, N. H.	11,730		1							
Portsmouth, Va.	40,693	17	3	1	11				1	1
Pottstown, Pa.	16,887		8		1					
Pottsville, Pa.	22,717		2							
Poughkeepsie, N. Y.	30,786	9	1				1			1
Providence, R. I.	259,895	61	10		25	1	9			4
Pueblo, Colo.	56,084	12	4	2			3		1	
Quincy, Ill.	36,832	14	2				4			2
Quincy, Mass.	39,022	12	3				1			
Racine, Wis.	47,465	13	25	2			8			1
Rahway, N. J.	10,361	1					1			
Raleigh, N. C.	20,274	8	5		12		1			
Reading, Pa.	111,607		3				2			
Redwing, Minn.	10,158		1							
Reno, Nev.	15,514	4								1
Richmond, Ind.	25,080	8	1	1						
Richmond, Va.	158,702	43	26				9			7
Riverside, Calif.	20,496	5	2		2				1	1
Roanoke, Va.	46,282	14	13		2		2		1	4
Rochester, N. Y.	264,714	61	90	2	4		16	1	6	2
Rockford, Ill.	56,739	12	1				2			2
Rock Island, Ill.	29,452	5					4		2	3
Rocky Mount, N. C.	12,673	6								
Rome, Ga.	15,607		1				1			
Rome, N. Y.	24,259		5				21			
Rutland, Vt.	15,038	4								
Sacramento, Calif.	68,984	26	5	1	2		4		4	2
Saginaw, Mich.	56,469	16	6	2			1		1	
St. Charles, Mo.	10,498	4	2				1			
St. Cloud, Minn.	12,013		1						1	
St. Joseph, Mo.	86,498		15	1	2		4			4
St. Louis, Mo.	768,630	174	140	7	5		35		16	19
St. Paul, Minn.	252,465	46	18				11		11	5
Salem, Mass.	49,346	19	1							1
Salem, Oreg.	21,274	3								
Salina, Kans.	12,470	3	1							
Salt Lake City, Utah	121,623	19	4		68		2		2	1
San Angelo, Tex.	10,321	2		1						1
San Bernardino, Calif.	17,616	8	5							
San Diego, Calif.	56,412	20	6						1	3
Sandusky, Ohio.	20,226	2					1			
Sanford, Me.	11,217	4							1	
San Francisco, Calif.	471,023	114	23	2	8		12		24	9
Santa Barbara, Calif.	15,360	8								1
Santa Cruz, Calif.	15,150	12	6	1						
Saratoga Springs, N. Y.	13,829	4			1					
Saugus, Mass.	10,210	3					2			1
Sault Ste. Marie, Mich.	14,130	3								3

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended Nov. 27, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau.)	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Savannah, Ga.	69,250	45	4	1			1		1	2
Schenectady, N. Y.	103,774	13	6	1	8		2			
Seranton, Pa.	149,541		7		5		6		3	
Shamokin, Pa.	21,274				1		2			
Sharon, Pa.	19,166		4				6			
Sheboygan, Wis.	28,907		1				1			
Shenandoah, Pa.	29,763		3				6			
Sioux City, Iowa	58,568		3				5			
Sioux Falls, S. Dak.	16,887	3	1				3			
Somerville, Mass.	88,618	18	2				5		1	
South Bend, Ind.	70,967	16	5				5			1
Spartanburg, S. C.	21,966	6	1							
Springfield, Ill.	62,623	21	1		13		37			1
Springfield, Mass.	108,668	20	1				14	1	3	1
Springfield, Mo.	41,169	10								1
Springfield, Ohio	52,296	14	4		4		10			
Stamford, Conn.	31,610						3		1	
Steelman, Pa.	15,769				1					
Steubenville, Ohio	28,269	9	2				1			
Stillwater, Minn.	10,198	3					1			
Sunbury, Pa.	16,661		4				1			
Superior, Wis.	47,167	18	4				6	1		
Syracuse, N. Y.	158,569	33	15	2	25		29			2
Taunton, Mass.	36,610	16	1		6		8	1		1
Temple, Tex.	13,994		3							
Terre Haute, Ind.	67,351	12	5				8			
Tiffin, Ohio	12,962	2								
Toledo, Ohio	202,010	54	33	4			12			2
Topeka, Kans.	49,638	9	4		70		3			2
Traverse City, Mich.	14,690	3	2				3			
Trenton, N. J.	113,974	36	8		1		4		1	1
Trinidad, Colo.	14,413				33		1			
Troy, N. Y.	78,994	21	1		23		1		3	
Tucson, Ariz.	17,324	16		1						6
Tulsa, Okla.	32,567		14				3			
Tuscaloosa, Ala.	16,824		3							
Uniontown, Pa.	21,600		1		1		6			
Vallejo, Calif.	13,993	1								
Waco, Tex.	34,015	14					2			1
Wakefield, Mass.	12,947	2							1	1
Waltham, Mass.	31,911	8			6				1	1
Warren, Pa.	15,683						3			
Washington, D. C.	369,282	132	35	3	11		22		19	13
Washington, Pa.	22,076		1		21				1	
Watertown, Mass.	15,188	2							1	
Wausau, Wis.	19,666	4			1					2
Webster, Mass.	13,484	3							1	
West Chester, Pa.	13,403		1				1			
Westfield, Mass.	18,769	4							1	
West Hoboken, N. J.	44,386	4	1				2		1	
West New York, N. J.	19,613	2	9						1	
West Orange, N. J.	13,964	2	2		1		2			1
Wheeling, W. Va.	43,657	23	8		5		2			1
White Plains, N. Y.	23,331	3								
Wichita, Kans.	73,597	17	16	1			15		1	
Wilkes-Barre, Pa.	78,334		9		17		7			
Wilkesburg, Pa.	23,899		3				1		1	
Williamsport, Pa.	34,123		3				5			
Wilmington, Del.	95,369	30	1				4	1		5
Wilmington, N. C.	36,496	14	1				1			1
Winchester, Mass.	16,812	4								
Winona, Minn.	18,583						1			
Winston-Salem, N. C.	33,136	11	3		1				2	2
Winthrop, Mass.	13,166	2	1							
Woburn, Mass.	16,676	6								
Worcester, Mass.	166,166	42	5		1		5		4	3
Yonkers, N. Y.	103,066	17	6		2		7			1
York, Pa.	62,776		15				3			
Zanesville, Ohio	81,320	9	4				1			2

¹ Population Apr. 15, 1921.

FOREIGN AND INSULAR.

TYPHUS FEVER ON VESSEL.

Steamship "United States"—Copenhagen and Christiania.

A case of typhus fever was found on the steamship *United States* on clearance of the vessel from Copenhagen, Denmark, November 18, 1920. The case with four contacts was removed from the vessel at Christiania, Norway. The *United States* sailed from Christiania November 19, 1920, for New York.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Nov. 11-20, 1920.		Remain- ing under treat- ment Nov. 20, 1920.	Disease.	Nov. 11-20, 1920.		Remain- ing under treat- ment Nov. 20, 1920.
	New cases.	Deaths.			New cases.	Deaths.	
Cerebrospinal meningitis.....	.....	.....	1	Malaria.....	54	.....	108
Chicken pox.....	1	.....	3	Measles.....	3	1	23
Diphtheria.....	.....	.....	2	Scarlet fever.....	2	.....	6
Leprosy.....	.....	.....	12	Typhoid fever.....	16	5	67

¹ From the interior, 44; from abroad, 3.

² From the interior, 30; from abroad, 3.

Disease.	Nov. 21-30, 1920.		Remain- ing under treat- ment Nov. 30, 1920.	Disease.	Nov. 21-30, 1920.		Remain- ing under treat- ment Nov. 30, 1920.
	New cases.	Deaths.			New cases.	Deaths.	
Cerebrospinal meningitis.....	.....	.....	1	Malaria.....	88	3	122
Chicken pox.....	4	.....	5	Measles.....	4	.....	15
Diphtheria.....	1	.....	3	Scarlet fever.....	.....	.....	5
Leprosy.....	1	.....	12	Typhoid fever.....	14	6	50

¹ One went abroad. ² From the interior, 35; from abroad, 2. ³ From the interior, 22; from abroad, 3.

LIBERIA.

Epidemic Smallpox—Monrovia.

Epidemic smallpox was stated to be present at Monrovia, Liberia, November 30, 1920, with 34 reported cases. The disease had been previously reported present November 13, 1920.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended Dec. 17, 1920.¹****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Chosen (Korea).....	.....	.....	.....	Nov. 5-11, 1920: Cases, 71; deaths, 43.
India.....	.....	.....	.....	Sept. 5-11, 1920: Deaths, 2,021.
Bombay.....	Oct. 3-9.....	1	1	
Calcutta.....	Oct. 10-16.....	26	24	
Madras.....	Oct. 24-30.....	1	1	
Japan:				
Taiwan Island.....	Oct. 11-31.....	525	359	
Philippine Islands:				
Manila.....	Oct. 17-23.....	2	.....
Provinces—				
Cagayan.....	Sept. 19-Oct. 2....	2	2	
Siam:				
Bangkok.....	Sept. 19-25.....	3	1	

PLAGUE.

Azores:				
St. Michaels.....	Nov. 6-19.....	50	14	
Ceylon:				
Colombo.....	Oct. 17-23.....	8	4	
Egypt.....				Jan. 1-Nov. 11, 1920: Cases, 444; deaths, 257.
Cities—				
Suez.....	Nov. 6.....	1	.....
Provinces—				
Gharbieh.....	Nov. 6-11.....	3	2	1 septicemic.
India.....				Oct. 3-16, 1920: Cases, 5,087; deaths, 3,789.
Bombay.....	Oct. 9-16.....	3	3	
Madras Presidency.....	Oct. 24-30.....	679	474	
Rangoon.....	Sept. 26-Oct. 2....	13	11	

SMALLPOX.

Brazil:				
Bahia.....	Oct. 17-23.....	1	.....
Santos.....	Aug. 30-Sept. 5....	.....	1	
Canada:				
Ontario—				
Hamilton.....	Nov. 29-Dec. 4....	3	.....
Kingston.....	Nov. 14-27.....	7	.....
Ottawa.....	Nov. 29-Dec. 4....	45	.....
Quebec—				
Quebec.....	Nov. 29-Dec. 4....	3	.....
China:				
Amoy.....	Oct. 17-23.....	.....	1	
Chungking.....	Oct. 24-30.....	.....	.....	Present.
Harbin.....	Oct. 25-31.....	1	.....	On Eastern Chinese Railway.
Nanking.....	Oct. 31-Nov. 6....	.....	.....	Present.
Pogranitchnaya.....	Oct. 25-31.....	3	.....	On Eastern Chinese Railway.
Great Britain:				
Glasgow.....	Nov. 7-13.....	3	.....
Honduras:				
San Pedro Sula.....	Sept. 5-11.....	.....	1	
India.....				Sept. 5-11, 1920: Deaths, 211.
Madras.....	Oct. 24-30.....	3	1	
Rangoon.....	Sept. 26-Oct. 2....	.....	1	
Italy:				
Catania.....	Nov. 8-14.....	.....	.....	In province, 33 cases.
Li'eria:				
Monrovia.....	Nov. 30.....	34	.....	Epidemic.
Mexico:				
Chihuahua.....	Nov. 22-28.....	.....	1	
Spain:				
Madrid.....	Oct. 1-31.....	.....	2	
Tunis:				
Tunis.....	Nov. 8-14.....	1	4	

¹From 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 Dec. 17, 1920—Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile:				
Valparaiso.....	Oct. 17-23.....	.....	3	
Egypt:				
Cairo.....	Sept. 3-16.....	23	8	
Japan:				
Nagasaki.....	Nov. 1-7.....	2	.....
Mexico:				
San Luis Potosi.....	Nov. 21-27.....	.....	1	
On vessel:				
S. S. United States.....	Nov. 18.....	1	.....	At Copenhagen, Denmark. Case found on clearance. Removed with contacts at Christiania, Norway. Vessel sailed Nov. 19, for New York.

Reports Received from June 26 to Dec. 10, 1920.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Rio de Janeiro.....	June 27-July 3.....	.....	1	
China:				
Amoy.....	June 20-Aug. 14.....	.....	19	
Antung.....	Aug. 9-31.....	2	1	
Canton.....	July 1-Aug. 31.....	5	4	
Changsha.....	Aug. 22-Oct. 16.....	138	51	Aug. 15-21: Present. Oct. 3-9: Present.
Chungking.....	May 16-24.....	.....	1,319	
Do.....	June 6-Sept. 11.....	.....	5,322	Sept. 18: Present. Oct. 3-16: Present and in vicinity.
Dairen.....	Sept. 29.....	4	1	Present.
Foochow.....	July 11-24.....	.....	.....
Hankow.....	July 4-17.....	12	5	
Harbin.....	.....	.....	.....
Hongkong.....	Aug. 8-14.....	1	1	Year 1919: Cases, 603. On Eastern Chinese R. R. line. At other stations, same line, 190 cases.
Nanking.....	Sept. 12-25.....	.....	4	Several cases reported at Nanking University, Aug. 30. Reported prevalent among Chinese, Aug. 30.
Shanghai.....	Aug. 2-29.....	1	6	Aug. 1-Oct. 7, 1920: Cases, 24,535; deaths, 12,549.
Tientsin.....	Oct. 3-9.....	15	.....
Chosen (Korea)				
Chemulpo.....	Aug. 1-Oct. 7.....	24	21	
Chinampo.....	Aug. 1-26.....	34	23	
Fusan.....	Aug. 1-Oct. 28.....	684	517	
Gensan.....	Aug. 27-Sept. 2.....	1	.....
Mokpo.....	Aug. 1-Sept. 30.....	28	18	
Seoul.....	Aug. 1-Nov. 4.....	2,032	861	
Galicia:				
Buczacz.....	Oct. 18.....	.....	.....	Present.
Greece:				
Patras.....	July 26-Aug. 1.....	.....	.....	Present in surrounding country.
Zante.....	Aug. 2-8.....	.....	.....	Present.
India:				
Bombay.....	May 2-June 26.....	85	36	Apr. 11-May 22, 1920: Deaths, 7,549. May 30-June 26, 1920: Deaths, 3,710. June 27-July 10, 1920: Deaths, 1,711. July 25-Aug. 7, 1920: Deaths, 2,687. Aug. 21-Sept. 4, 1920: Deaths, 5,872.
Do.....	June 27-Sept. 18.....	105	68	
Calcutta.....	May 2-June 24.....	489	423	
Do.....	July 18-Oct. 2.....	188	181	
Madras.....	May 2-June 26.....	20	13	
Do.....	July 11-Oct. 23.....	15	2	
Rangoon.....	June 27-Oct. 16.....	23	17	
Indo-China:				
Saigon.....	Apr. 26-June 13.....	13	94	1920: Jan.—Cases, 40; deaths, 24. Feb.—Cases, 25; deaths, 15. Mar.—Cases, 52; deaths, 30. Apr.—Cases, 204; deaths, 99. May—Cases, 828; deaths, 184. June—Cases, 292; deaths, 201.
Do.....	July 26-Sept. 5.....	9	5	

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan:				
Kobe.....	June 14-27.....	36	24	Kobe, June 6-13, 34 cases. Moji, June 6-12, 10 cases. Kochi, June 6-12, 1 case. Hiroshima, June 6-12, 6 cases. Present.
Do.....	June 28-Oct. 17.....	409	223	
Nagasaki.....	June 21-27.....	7	.....
Do.....	June 28-July 18.....	34	13	
Osaka.....	June 8.....	.....	.....
Taiwan Island.....	May 22-June 30.....	66	38	
Do.....	July 11-Oct. 10.....	1,414	553	
Java:				
West Java—				
Batavia.....	Apr. 30-June 3.....	6	2	June 4-17: Present.
Do.....	June 25-Aug. 12.....	3	.....
Philippine Islands.....				
Manila.....	May 9-June 26.....	5	1	May 9-June 26, 1920: Cases, 16; deaths, 12. June 27-July 17, 1920: Cases, 63; deaths, 31. July 25-31: Cases, 57; deaths, 48.
Do.....	June 27-Sept. 25.....	5	.....
Provinces—				
Albay.....	May 9-15.....	2	1	
Batangas.....	June 27-July 3.....	1	.....
Bohol.....	.....do.....	1	1	
Cagayan.....	May 9-June 26.....	11	19	
Do.....	June 27-Sept. 18.....	53	21	
Cavite.....	Sept. 5-11.....	1	1	
Iloilo.....	June 27-July 17.....	3	.....
Isabela.....	July 11-Sept. 4.....	25	26	
Laguna.....	July 4-10.....	8	.....
Masbate.....	.....do.....	1	1	
Misamis.....	July 11-17.....	4	2	
Nueva Viscaya.....	July 25-31.....	49	42	
Pangasinan.....	July 4-Aug. 7.....	7	5	
Tarlac.....	Sept. 12-18.....	1	1	
Poland:				
Warsaw.....	Oct. 28.....	1	1	Case occurred in employee on river boat plying between Warsaw and Danzig.
Russia.....				Reported prevalent in southern Russia, June 4, 1920.
Grodno.....	Oct. 18.....	.....	.....	Present.
Sebastopol (district).....	June 20.....	.....	.....	Reported increasing.
Simferopol.....				Jan.-June, 1920: Cases, 1,262; deaths, 584. South Russia, Government of Tauride.
Vilna.....	Sept. 28.....	40	.....	Oct. 18: Present.
Siam:				
Bangkok.....	Apr. 25-June 26.....	542	343	
Do.....	June 26-Sept. 18.....	65	29	
Straits Settlements:				
Singapore.....	July 18-Oct. 2.....	26	24	
Sumatra:				
Medan.....	Aug. 20-Sept. 3.....	1	.....	On local steamship. From Singapore.
Turkey:				
Amassia.....	Dec. 24.....	1	.....	Asiatic Turkey.
Kaiserl.....	Dec. 22.....	1	.....	Do.
Karassi.....	Jan. 3.....	1	.....	Do.
Mamuret-ul-Aziz.....	Dec. 31.....	1	1	Do.
Panderma.....	Dec.-Jan.....	16	6	
Rodosto.....	Dec. 29.....	1	.....	European Turkey.
Smyrna.....	Dec. 22.....	3	2	Asiatic Turkey.
On vessel:				
S. S. Keketticut.....	Aug. 2.....	1	.....	U. S. S.: At Shanghai.
Steamship (local).....	Aug. 20-Sept. 3.....	1	1	At Medan, island of Sumatra. From Singapore.

PLAGUE.

Algeria:				
Algiers.....				Sept. 1-Oct. 31, 1920: Cases, 4; deaths, 1.
Azores:				
St. Michaels.....	Oct. 4-20.....	35	12	Oct. 4, 1920: 5 suspect cases isolated vicinity of Ponta Delgada. Oct. 1-31, 1920: Cases, 76; deaths, 27. To Nov. 16: Cases, 110; deaths, 38.
Do.....	Nov. 10-16.....	25	8	
Ponta Delgada.....	Oct. 1-26.....	2	.....

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Apr. 25-May 22....	10	10	
Do.....	June 27-Oct. 28....	12	6	
Ceara.....	Sept. 5-25.....	.....	4	
Pernambuco.....	May 3-9.....	1	1	
Do.....	June 28-Aug. 15....	32	16	
Porto Alegre.....	June 27-Aug. 21....	.....	2	
British East Africa.....				Apr. 1-30, 1920: Cases, 22; deaths, 9.
Kisumu.....	Apr. 25-June 26....	14	12	Present.
Do.....	July 11-Sept. 4....	10	5	
Mombasa.....	Apr. 25-June 26....	104	29	
Do.....	June 27-Aug. 28....	113	72	
Nairobi.....	Apr. 25-June 10....	14	8	
Ceylon:				
Colombo.....	May 25-June 12....	7	2	
Do.....	June 27-Oct. 16....	45	37	
Chile.....				Mar. 1-May 31, 1920: Cases, 15; deaths, 2. Plague reported in Departments of Tacna and Tarata.
Antofagasta.....	May 17-June 20....	5	.....	Mar. 1-May 31, 1920: Cases, 7; deaths, 1.
Do.....	July 5-Nov. 7.....	6	.....
Iquique.....	Mar. 1-May 31.....	8	1	
China:				
Amoy.....	June 20-Sept. 18....	.....	8	
Hongkong.....	Apr. 4-June 26....	90	70	
Do.....	June 27-Oct. 23....	29	26	
Ecuador:				
Guayaquil.....	Aug. 16-Sept. 30 ..	9	1	Oct. 16-31, 1920: Cases, 3; deaths, 2.
Egypt.....				Jan. 1-Oct. 14, 1920: Cases, 430; deaths, 251.
Cities—				
Alexandria.....	June 18-Oct. 9.....	13	7	
Port Said.....	Aug. 2-Sept. 20....	3	.....
Suez.....	May 13-June 8.....	12	6	3 cases pneumonic.
Do.....	July 3-Aug. 4.....	4	3	
Provinces—				
Assiout.....	May 15-June 5.....	7	4	
Do.....	July 2-Sept. 13....	7	1	
Beni-Souef.....	July 7-10.....	2	1	
Fayoum.....	June 5.....	1	.....
Garbieh.....	do.....	1	.....
Do.....	July 1-Oct. 11....	21	17	
Girgeh.....	Sept. 22.....	1	1	Pneumonic.
Keneh.....	May 18.....	1	.....
Mariut.....	May 18-June 8.....	19	22	
Do.....	July 3-9.....	1	2	
Minieh.....	May 15.....	2	1	Septicemic.
Do.....	July 13.....	1	.....
Flume.....	Sept. 21.....	4	2	
Great Britain:				
Liverpool.....	June 20-26.....	1	1	
Greece:				
Athens.....	Aug. 19-Oct. 14....	3	2	
Chios.....	Oct. 14.....	1	.....
Dante.....	July 22.....	2	.....
Kavalla.....	July 5-Oct. 3.....	4	.....
Nauplia.....	Aug. 21.....	2	.....	Approximately 20 cases Sept. 9.
Piræus.....	June 29-Sept. 20....	12	1	
Saloniki.....	Sept. 25-Oct. 8.....	4	.....
India.....				Apr. 18-June 26, 1920: Cases, 12,476; deaths, 9,961. June 27-Oct. 2, 1920: Cases, 32,759; deaths, 24,602.
Bombay.....	Apr. 18-June 26....	170	135	
Do.....	June 27-Oct. 25....	53	46	
Calcutta.....	May 2-June 12.....	26	19	
Karachi.....	May 9-Oct. 16.....	82	74	
Madras Presidency.....	May 9-Oct.....	8,865	6,285	
Rangoon.....	Apr. 25-June 26....	120	.....
Do.....	June 27-Oct. 16....	251	220	
Indo China.....				Jan. 1-31, 1920: Cases, 42; deaths, 40. Feb. 1-29, 1920: Cases, 41; deaths, 36. Mar. 1-31, 1920: Cases, 79; deaths, 70. Apr. 1-30, 1920: Cases, 69; deaths, 63. May 1-31, 1920: Cases, 87; deaths, 75. June 1-30, 1920: Cases, 72; deaths, 63.
Saigon.....	May 10-June 13....	9	2	
Do.....	July 26-Aug. 15....	5	4	

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Catania.....	June 22-July 3....	3	2	
Java:				
East Java.....		1		Apr. 23-May 5, 1920: Cases, 7; deaths, 7. Apr. 15-June 16, 1920: Cases, 8; deaths, 8. Aug. 5-25, 1920: Cases, 4; deaths, 4. Surabaya Residency.
West Java—Batavia.....	July 22-Sept. 23....	16	16	
Mesopotamia:				
Bagdad.....	June 1-30.....	6	3	
Do.....	Sept. 1-30.....	1		
Mexico:				
Cerritos.....	Oct. 20-Nov. 10....	31	17	State of San Luis Potosi. Present in vicinity.
Tampico.....	July 26-Sept. 27....	4	3	May 29-July 14, 1920: Cases, 49; deaths, 29. Corrected statement: From outbreak in May to July 20, 1920—cases, 58; deaths, 36. Nov. 8-14, 1920: Two plague-infected rodents found.
Vera Cruz.....	June 14-20.....	11	1	
Do.....	July 18-24.....	2	2	
Peru.....				Mar. 1-31, 1920: Cases, 46; deaths, 29. Apr. 1-30, 1920: Cases, 33; deaths, 13. In coastal departments.
Callao.....	Mar. 1-Apr. 30....	15	7	
Do.....	Aug. 1-31.....	1		
Lima (city).....	Mar. 1-31.....	5	3	
Do.....	Apr. 1-30.....	4	4	
Lima (country).....	Mar. 1-31.....	1	1	
Do.....	Apr. 1-30.....	1		
Mollendo.....	Mar. 1-31.....	13	9	
Paita.....	do.....	5	2	
Do.....	Apr. 1-30.....	2		
Salaverry.....	Mar. 1-31.....	4	3	
Do.....	Apr. 1-30.....	1		
San Pedro.....	do.....	6	1	
Trujillo-Salaverry.....	May 31-June 29....	3	2	
Do.....	Aug. 30-Oct. 25....	7	14	
Russia:				
Batum.....	Sept. 28.....			Prevalent.
Siam:				
Bangkok.....	Apr. 25-June 5....	8	5	
Do.....	June 28-Aug. 28....	6	3	
Straits Settlements:				
Singapore.....	Apr. 25-June 19....	14	13	
Do.....	July 11-Aug. 7....	3	3	May 16-22, 1920: Cases, 2; deaths, 3.
Syria:				
Beirut.....	June 30.....			Present.
Turkey:				
Constantinople.....	July 25-Aug. 21....	7	6	
Uruguay:				
Montevideo.....	June 1-30.....	1	1	

SMALLPOX.

Algeria:				
Departments—				
Algiers.....	May 11-Aug. 31....	51		City of Algiers, Apr. 1-30, 1920: 1 case. July 1-Aug. 31, 1920: Cases, 4; deaths, 2.
Constantine.....	June 1-Aug. 31....	18		
Oran.....	May 11-Aug. 31....	168		May 30-June 26, 1920: Cases, 27. June 27-July 28, 1920: Cases, 35.
Austria:				
Gratz.....	July 11-28.....	5		
Vienna.....	May 30-June 26....	1		
Do.....	July 11-28.....	1		
Azores:				
Ponta Delgada.....	July 17-Aug. 20....	7		
St. Michaels.....	Aug. 21-27.....	1		From Madeira.
Bolivia:				
La Paz.....	May 2-June 30....	10	8	
Do.....	July 1-Sept. 30....	18	8	
Brazil:				
Bahia.....	Apr. 25-June 26....	5	5	
Do.....	June 27-Oct. 2....	21	2	
Pernambuco.....	Mar. 29-June 27....	114	3	
Do.....	June 30-Oct. 17....	269	5	

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil—Continued.				
Rio de Janeiro.....	Apr. 11–June 26.....	431	6	Mar. 1–31, 1920: Cases, 107. Apr. 1–30, 1920: Cases, 69. Reported by native inspectors.
Do.....	June 27–Sept. 18.....	92	22	
Santos.....	Mar. 24–28.....	1		
Do.....	July 25–Aug. 15.....		3	
Sao Paulo.....	June 21–27.....		1	
Do.....	June 27–Aug. 8.....		2	
British East Africa.				
Mombasa.....	May 2–22.....	2	1	
Do.....	July 11–17.....	3		
Nairobi.....	May 23–June 26.....	11	1	
Do.....	Aug. 1–21.....	5		
Bulgaria:				
Sofia.....	July 11–17.....	1		
Canada:				
Alberta—				
Calgary.....	June 3–6.....	1		
Do.....	July 4–Oct. 9.....	6		
British Columbia—				
Vancouver.....	May 16–Aug. 28.....	4		
Manitoba—				
Winnipeg.....	May 29–June 5.....	3		
Do.....	Aug. 8–21.....	2		
New Brunswick—				
Bonaventure and Gaspe Counties.....	Aug. 1–Oct. 31.....	2		
Carleton County.....	Sept. 19–25.....	1		
Gloucester County.....	May 31–June 26.....	5		
Do.....	Sept. 19–Oct. 9.....	3		
Madawaska County.....	Oct. 31–Nov. 6.....	1		
Queens County.....	July 4–Aug. 21.....	7		Sept. 26–Nov. 6, 1920: Cases, 4.
Restigouche County.....				
Campbellton.....	July 1–31.....	7		
Nova Scotia—				
Halifax.....	.....do.....	2		
Sydney.....	May 31–June 26.....	2		
Do.....	Nov. 7–20.....	3		
Ontario—				
Cornwall.....	June 25–30.....	2		
Fort William and Port Arthur.....	July 11–Oct. 2.....	4		
Hamilton.....	June 13–Nov. 27.....	15		
Kingston.....	May 31–June 19.....	4		
Do.....	Oct. 31–Nov. 13.....	11		
Montreal.....	Oct. 24–30.....	1		
North Bay.....	June 23–29.....	1		
Do.....	July 11–Oct. 23.....	8		
Ottawa.....	June 6–26.....	32		
Do.....	June 27–Nov. 20.....	262		
Peterborough.....	Apr. 18–July 31.....	33	1	
Prescott.....	July 11–17.....	1		
Do.....	Aug. 1–14.....			Present at Cardinal and Brockville.
Fault Ste. Marie.....	Oct. 24–30.....	1		
Toronto.....	June 6–19.....	13		
Do.....	June 26–Nov. 27.....	40		
Windsor.....	Aug. 22–Sept. 11.....	5		
Prince Edward Island—				
Charlottetown.....	Aug. 12–Oct. 13.....	2		
Quebec—				
Montreal.....	June 13–19.....	1		
Do.....	July 4–Aug. 7.....	4		
Quebec.....	June 27–Oct. 2.....	9		
Saskatchewan—				
Moose Jaw.....	June 26–30.....	6		
Do.....	July 25–Sept. 25.....	3		
Regina.....	June 2–30.....	1		
Do.....	Oct. 3–30.....	5		
Saskatoon.....	Sept. 5–Nov. 6.....	9		
Ceylon:				
Colombo.....	May 9–June 5.....	2		
Do.....	Aug. 29–Oct. 16.....	49	7	
Chile:				
Antofagasta.....	May 17–23.....			1 case in interior.
China:				
Amoy.....	May 2–Oct. 16.....	4	20	
Antung.....	May 9–June 13.....	3	3	
Do.....	June 21–27.....	1		

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Canton.....	Sept. 1-30.....	.....	.....	Present.
Chungking.....	May 2-June 9.....	.....	.....	Do.
Do.....	July 11-Oct. 16.....	.....	.....	Do.
Dairen.....	Sept. 28-Oct. 4.....	1	.....	.....
Foochow.....	May 9-29.....	.....	.....	Do.
Do.....	July 26-Oct. 16.....	.....	.....	Do.
Hankow.....	June 20-26.....	2	.....	.....
Harbin.....	Sept. 27-Oct. 3.....	1	.....	.....
Hongkong.....	Apr. 4-June.....	19	15	Year 1919: Cases, 79. On East-
Do.....	June 27-July 17.....	2	2	ern Chinese R. R. line. At
Mukden.....	July 19-Oct. 9.....	.....	.....	other stations, 109 cases.
Nantung.....	May 9-June 5.....	.....	.....	Present.
Do.....	July 4-Oct. 16.....	.....	.....	Do.
Tientsin.....	May 25-31.....	2	.....	Do.
Do.....	June 16-29.....	2	.....	.....
Tsinanfu.....	May 9-15.....	1	.....	.....
Chosen (Korea):				
Chemulpo.....	Mar. 1-June 30.....	69	40	.....
Do.....	July 1-31.....	18	8	.....
Fusan.....	Mar. 1-June 30.....	24	6	.....
Do.....	July 1-31.....	1	1	.....
Seoul.....	Mar. 1-June 30.....	358	86	.....
Do.....	July 1-31.....	15	6	.....
Colombia:				
Barranquilla.....	May 13-July 3.....	.....	.....	Epidemic.
Santa Marta.....	May 31-Nov. 13.....	.....	.....	Present.
Cuba:				
Antilla.....	Aug. 24-Nov. 15.....	5	.....	.....
Habana.....	July 4.....	1	.....	From steamship Frank Hennis
.....	.....	.....	.....	from Jamaica. Arrived Santi-
.....	.....	.....	.....	ago June 30, 1920.
Matanzas.....	Aug. 15-21.....	1	1	In vicinity, at Aguacate, Aug
.....	.....	.....	.....	1-7, 1920: Cases, 12.
Cyprus:				
.....	.....	.....	.....	August, 1919: Cases, 242; deaths,
.....	.....	.....	.....	54.
Czechoslovakia:				
Moravia.....	Feb. 1-2.....	68	.....	May 23-June 26, 1920: Cases, 345;
Danzig.....	June 20-July 17.....	9	2	deaths, 36.
Ecuador:				
Guayaquil.....	Oct. 1-31.....	6	1	.....
Egypt:				
Alexandria.....	May 14-June 29.....	53	19	.....
Do.....	June 25-Nov. 4.....	14	4	.....
Cairo.....	Apr. 2-June 24.....	62	23	.....
Do.....	July 2-Aug. 19.....	5	.....	.....
Port Said.....	Apr. 2-June 24.....	22	8	.....
Do.....	July 2-15.....	2	1	.....
France:				
Brest.....	May 15-31.....	1	.....	.....
June 24-30.....	.....	.....	1	.....
Cette.....	June 24-30.....	.....	1	.....
Nice.....	June 1-30.....	.....	1	.....
Paris.....	May 1-10.....	3	.....	.....
Rouen.....	Oct. 31-Nov. 6.....	1	.....	.....
Germany:				
Berlin.....	July 26-Sept. 4.....	1	.....	Feb. 22-June 12, 1920: Cases, 720.
.....	.....	.....	.....	July 11-Sept. 4, 1920: Cases, 81;
.....	.....	.....	.....	deaths, 6. Additional cases,
.....	.....	.....	.....	May 26-July 17, 1920, 66;
.....	.....	.....	.....	deaths, 2.
Great Britain:				
Edinburgh.....	Aug. 29-Sept. 4.....	7	1	.....
Glasgow.....	May 25-June 26.....	136	22	.....
Do.....	July 4-Nov. 6.....	181	51	.....
Liverpool.....	July 18-Sept. 11.....	2	.....	.....
London.....	June 13-July 19.....	14	.....	.....
Manchester.....	Aug. 22-28.....	5	.....	Oct. 24-30, 1920: Cases, 50. At
.....	.....	.....	.....	Middletown, 6 miles distant.
Greece:				
Saloniki.....	May 31-June 27.....	4	1	.....
Do.....	July 25-Aug. 15.....	1	1	.....
Haiti:				
Jacmel.....	Nov. 6.....	1	.....	Nov. 6, 1920: Approximately 35
Port au Prince.....	Sept. 22-Nov. 7.....	50	.....	cases.
.....	.....	.....	.....	In vicinity.

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

Reports Received from Ju e 26 to Dec. 10, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Apr. 11-May 22, 1920: Deaths, 7,743. May 30-June 26, 1920: Deaths, 3,864. July 25-Aug. 7, 1920: Deaths, 1,028. Aug. 15-Sept. 4, 1920: Deaths, 733.
Bombay.....	Apr. 26-June 26...	103	45	May 9-15, 1920: Cases, 26, deaths, 11.
Do.....	June 27-Oct. 2...	51	11	
Calcutta.....	May 2-June 12...	101	93	
Do.....	July 18-Sept. 18...	9	8	
Karachi.....	May 9-June 26...	15	12	
Do.....	June 27-July 10...	7	4	
Madras.....	May 9-June 26...	27	15	
Do.....	June 27-Oct. 23...	53	22	
Rangoon.....	Apr. 25-June 26...	25	14	July 1-31, 1920: Cases, 22; deaths, 4.
Do.....	Aug. 8-Oct. 9...	7	2	
Indo China.....				Jan. 1-31, 1920: Cases, 410; deaths, 101. Feb. 1-29, 1920: Cases, 625; deaths, 119. Mar. 1-31, 1920: Cases, 782; deaths, 114. Apr. 1-30, 1920: Cases, 312; deaths, 25. May 1-31, 1920: Cases, 428; deaths, 61. June 1-30, 1920: Cases, 318; deaths, 220.
Saigon.....	May 10-June 13...	12	3	
Do.....	Aug. 3-Sept. 5...	1	1	
Italy:				
Catania.....	July 12-Oct. 31...	27		Province, Sept. 18-Oct. 31: 201 cases.
Genoa.....	May 17-23...	12		In Province.
Do.....	June 14-27...	20		
Do.....	June 28-July 4...	3		
Messina.....	May 10-June 27...	7	1	Province, May 10-June 27: Cases, 168; deaths, 27.
Do.....	June 28-Oct. 3...	14	3	Province: Cases, 37; deaths, 3.
Milan.....	Mar. 1-May 31...	3	5	
Naples.....	May 23-June 20...	7	3	
Do.....	Oct. 18-Nov. 7...	8	21	
Palermo.....	May 11-Oct. 28...	402	128	
Trieste.....	Sept. 25-Oct. 2...	16	5	
Turin.....	June 28-Sept. 12...	2		
Japan:				
Kobe.....	May 9-June 27...	10	5	
Do.....	June 28-July 18...	7	2	
Taiwan Island.....	May 1-June 30...	45	16	
Do.....	June 21-July 20...	19	11	
Tokyo.....	Apr. 21-May 10...	5	4	
Java:				
East Java—				
Surabaya.....	Sept. 5-11...	1		
West Java				
Batavia.....	Apr. 16-June 17...	94	26	Apr. 16-June 24, 1920: Cases, 56; deaths, 10. June 25-Sept. 30, 1920: Cases, 123, deaths, 32.
Do.....	July 9-Sept. 30...	15	7	Feb. 1-June 23, 1920: Cases, 2,519; deaths, 561.
Jugo-Slavia.....				
Liberia:				
Monrovia.....	Nov. 13...			Present.
Madeira:				
Funchal.....	June 20-26...		2	
Do.....	July 18-Nov. 6...	1	5	
Malta.....	May 1-June 30...		3	
Manchuria:				
Mukden.....	May 2-8...			
Mesopotamia:				
Bagdad.....	July 1-31...	1		
Mexico:				
Chihuahua.....	Nov. 8-21...	1	3	
Ciudad Juarez.....	Aug. 2-8...	1		
Guadalajara.....	May 1-31...	1		
Do.....	July 1-Oct. 31...	4	1	
Laredo.....	July 20...	2		
Mazatlan.....	May 19-25...		1	
Salina Cruz.....	June 1-30...	5	3	
Do.....	Aug. 1-31...	1		
San Luis Potosi.....	May 21-June 6...		1	
Do.....	June 28-Nov. 6...		13	
Tampico.....	July 1-31...		5	

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland:				
Broad Cove.....	Sept. 4-10.....	1	.....
Ladle Cove.....	Sept. 11-17.....	6	.....
St. Johns.....	June 5-11.....	3	.....	Reported at 2 other localities.
Shoal Harbor.....	July 10-16.....	7	.....	July 3-16: Present at 4 localities.
New Zealand:				
Dunedin.....	Aug. 10-Sept. 20..	15	.....
Persia:				
Teheran.....	June 6.....	.....	.....	Present.
Poland:				
Minsk District.....	Jan. 1-31.....	1,052	228	Jan. 1-31, 1920: Cases, 1,895; deaths, 301.
Porto Rico:				
Caguas.....	Aug. 9-15.....	1	.....
Portugal:				
Lisbon.....	May 16-June 28..	.....	8	
Do.....	June 27-Oct. 30..	.....	33	
Oporto.....	Oct. 31-Nov. 6....	1	.....
Portuguese East Africa:				
Inhambane.....	Sept. 12-18.....	1	.....
Lourenco Marques.....	Sept. 12-25.....	6	.....	June 1-Aug. 31, 1920: Deaths, 1.
Russia:				
Riga.....	Aug. 1-Oct. 15..	4	.....	May, 1920: Cases, 5. June, 1920: Cases, 7.
Vladivostok.....	Jan. 1-June 30....	252	78	
Do.....	July 1-31.....	2	.....
Sierra Leone:				
Baktau.....	Sept. 1-30.....	2	.....
Freetown.....	do.....	3	.....
Spain:				
Barcelona.....	May 19-June 12..	.....	4	
Do.....	June 18-Nov. 10..	.....	23	
Corunna.....	July 16-Oct. 2....	.....	2	
Gijon.....	.....	.....	.....	July-Sept., 1920: Cases, 17.
Malaga.....	.....	.....	.....	Aug. 1-Sept. 30, 1920: Deaths, 9.
Orense, Province.....	Sept. 6.....	.....	.....	Present.
Valencia.....	May 23-June 26..	15	3	
Do.....	July 4-Nov. 13....	13	3	
Vigo.....	May 31-June 26..	.....	4	
Do.....	July 18-Nov. 16..	.....	11	
Straits Settlements:				
Singapore.....	May 16-22.....	1	.....	Received out of date.
Sweden:				
Stockholm.....	Sept. 19-Oct. 9....	4	.....
Switzerland:				
Geneva.....	May 9-15.....	7	.....
Syria:				
Aleppo.....	Aug. 29-Sept. 4....	.....	.....	In city and in Armenian orphanage.
Tunis:				
Tunis.....	May 25-June 27..	6	5	
Do.....	June 28-Nov. 7....	42	21	
Turkey:				
Constantinople.....	May 16-June 19....	7	.....
Do.....	June 20-Oct. 16....	13	.....
Union of South Africa:				
East London.....	Sept. 19-25.....	1	.....
Johannesburg.....	May 1-31.....	23	.....
Do.....	July 1-Aug. 31....	19	.....
On vessels:				
S. S. Bradford.....	Nov. 4.....	1	.....	At Vancouver. From Talara, Peru, via ports in Chile, Mexico, and Peru. Left Talara about 21 days previous to arrival at Vancouver.
S. S. Henry R. Mallory....	Oct. 2.....	1	.....	At Habana from Spanish port. Vessel left Vigo, Spain, Sept. 19.

TYPHUS FEVER.

Algeria:				
Departments—				
Algiers.....	May 11-Aug. 31....	44	.....
Constantine.....	May 21-Aug. 31....	20	.....
Oran.....	May 11-Aug. 31....	352	.....
Austria:				
Vienna.....	Feb. 15-June 23....	65	.....	Feb. 15-June 26, 1920: Cases, 67.

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Belgium:				
Ghent.....	Sept. 11-Oct. 23...	10	1	
Bermuda:				
Hamilton.....	Oct. 18-23.....	2		
Bolivia:				
La Paz.....	May 2-June 30.....		17	
Do.....	July 1-Sept. 30.....	7	21	
Brazil:				
Ceara.....	Apr. 25-June 12.....		4	
Do.....	July 11-24.....		2	
Bulgaria:				
Sofia.....	June 23-25.....	2		
Chile.....				Mar. 1-June 30, 1920: Cases 1,338; deaths, 244. Present.
Antofagasta.....	July 5-11.....			
Caleta Colosa.....	May 10-16.....		2	
Concepcion.....	Mar. 8-June 28.....	31	39	
Do.....	June 29-Sept. 20.....		13	Oct. 13: Cases, 54.
Coquimbo.....	Aug. 8-Oct. 7.....	1	1	
Santiago.....	Mar. 1-June 30.....	470	86	Sept. 10: Cases, 186.
Valparaiso.....	May 2-Sept. 24.....		29	
China:				
Antung.....	July 12-Oct. 24.....	73	11	Report week ended July 31, 1921, not received.
Eastern Chinese Railway.....	Aug. 9-Sept. 28.....	5		At stations on line.
Harbin.....				On Eastern Chinese Railroad line. Year 1919: Cases, 301. At other stations on line, 789 cases.
Chosen (Korea):				
Chemulpo.....	June 1-30.....	3		
Seoul.....	Mar. 1-Apr. 30.....	4	1	
Czechoslovakia.....				Feb. 1-28, 1920: Cases, 88; deaths, 7.
Leipnik.....	Feb. 22-28.....	1		Quarantine station.
Danzig.....	June 23-26.....	1		Feb. 27-Mar. 27, 1920: Cases, 16.
Do.....	July 25-31.....	1	1	
Egypt:				
Alexandria.....	May 7-June 24.....	238	86	
Do.....	June 25-28.....	145	63	
Cairo.....	Apr. 2-June 24.....	867	270	
Do.....	July 9-Sept. 2.....	133	88	
Port Said.....	Apr. 9-June 24.....	112	53	
Do.....	Aug. 23-26.....	1		
Germany.....				Feb. 22-Mar. 27, 1920: Cases, 23. Among troops, 4; among persons from Poland, 8. Mar. 28-June 26, 1920: Cases, 96. July 18-Sept. 23, 1920: Cases, 14. Additional cases, June 18-July 10, 16.
Great Britain:				
Belfast.....	Oct. 24-Nov. 6.....	4	2	
Dublin.....	May 23-June 19.....	3	1	
Do.....	Oct. 16-Nov. 13.....	25	1	
Dundee.....	July 4-10.....	1		
Glasgow.....	May 30-June 5.....		1	
Queenstown.....	Aug. 1-7.....	1		
Greece:				
Athens.....	June 27-July 21.....		5	
Drama.....	July 12-18.....	1		
Patras.....	June 29-July 4.....		1	
Piræus.....	June 29-July 5.....		1	
Saloniki.....	Apr. 12-27.....	384	42	
Do.....	June 28-Oct. 10.....	133	57	
Guatemala:				
Guatemala City.....	Aug. 9-15.....		1	
Hungary.....				Jan. 19-May 30, 1920: Cases, 54.
Budapest.....	Jan. 19-June 20.....	28		
Italy:				
Catania.....	July 10-17.....	3		
Trieste.....	May 16-22.....	5		
Do.....	June 13-Nov. 6.....	263	18	
Japan:				
Kobe.....	Aug. 17-23.....	7		
Nagasaki.....	May 25-June 27.....	2	1	
Do.....	Sept. 13-Oct. 31.....	9	2	

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Jugo-Slavia.....				Feb. 1-June 23, 1920: Cases, 601; deaths, 92.
Java:				
East Java—				
Surabaya.....	June 10-16.....	1		
West Java—				
Batavia.....	May 28-June 30...	5	1	
Mesopotamia:				
Bagdad.....	Aug. 1-31.....	1		
Mexico:				
Chihuahua.....	May 31-June 6.....		1	
Nogales.....	Aug. 9-14.....	2		
San Luis Potosi.....	June 8-July 8.....			
Do.....	July 2-Sept. 13.....	1	2	Present. Sept. 19: Present. Nov. 14-20: Present.
Poland.....				Jan. 1-Mar. 31, 1920: Cases, 87,910; deaths, 19,733.
Warsaw.....				Jan. 1-Feb. 29, 1920: Cases, 911; deaths, 117.
Serbia.....				Mar. 14-Apr. 10, 1920: Cases, 181; deaths, 23.
Portugal:				
Oporto.....	Apr. 4-June 24.....	15	6	
Do.....	Aug. 1-Nov. 6.....	10	2	
Russia:				
Riga.....	June 25-Oct. 23.....	125		
Simferopol.....				Jan.-June, 1920: Cases, 3,955; deaths, 500.
Vilna.....	Sept. 28.....	35		
Vladivostok.....	May 1-21.....	22	2	Jan. 1-Apr. 30, 1920: Cases, 1,264; deaths, 144.
Do.....	July 1-Aug. 31.....	36	4	
Spain:				
Barcelona.....	July 9-15.....		1	
Madrid.....	June 1-30.....		1	
Switzerland:				
Geneva.....	June 28-July 4.....	1		
Tunis:				
Tunis.....	May 24-June 27.....	36	18	
Do.....	July 6-Aug. 31.....	1	1	
Turkey:				
Constantinople.....	May 16-June 12.....	27		
Do.....	June 19-Nov. 6.....	32	1	
Union of South Africa:				
Port Elizabeth.....	Sept. 27-Oct. 2.....	1		
Venezuela:				
Maracaibo.....	July 21-27.....		1	

YELLOW FEVER.

Brazil:				
Bahia.....	May 23-June 19...	1		
Colombia:				
Buenaventura.....	June 3.....	1	1	
Guatemala:				Oct. 25, 1920: Present.
Los Amates.....	Aug. 5-Sept. 1.....	10	3	Aug. 17: Present at several localities.
Quirigua.....	Aug. 9-15.....			Present.
Virginia.....	Sept. 10.....	1		Station on railway from Puerto Barrios to Guatemala City, 45 miles from Puerto Barrios.
Mexico:				
Culiacan.....	Oct. 16.....			Present.
Empalme.....	Oct. 12.....	1	1	
Guaymas.....	do.....		1	Previously reported, 2 deaths; later information shows 1 death.
Maratlan.....	Oct. 13.....	1	1	
Progreso.....	July 30.....	1		
Do.....	Aug. 4-18.....	4	2	July 30-Aug. 18, 1920: Cases, 5; deaths, 3.
Puerto Mexico.....	Aug. 24-27.....	1	1	Case arrived Aug. 23, on S. S. Melchor Ocampo from Progreso.
San Blas.....	Sept. 13.....	1		Previously reported P. H. R., Sept. 10, 1920.
Tampico.....	Sept. 17.....	1		
Do.....	Sept. 21-Nov. 4.....	3	2	Aug. 26-Oct. 27, 1920: Cases, 112; deaths, 50.
Tuxpam.....	Sept. 1.....		2	

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

Reports Received from June 26 to Dec. 10, 1920—Continued.

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Vera Cruz.....	June 22.....	.....	2	
Do.....	July 19–Nov. 28....	105	82	
Yucatan State—				
Campeche.....	Oct. 13.....	1	1	In sailor from S. S. Yumuri. The vessel left Vera Cruz Oct. 1 for Campeche and New Orleans.
Hocoba.....	Sept. 8.....	8	.....	In interior.
Hunucma.....	Sept. 8–Oct. 11....	2	1	Do.
Izmal.....	Oct. 10–16.....	.....	1	
Merida.....	Nov. 5.....	1	.....	From Hunucma.
Sotuta.....	Sept. 8.....	1	1	In interior.
Peru.....				
Callao.....	Apr. 1–30.....	1	.....	Mar. 1–31, 1920: Cases, 228. Apr. 1–20, 1920: Cases, 64.
Catacaos.....	Mar. 1–31.....	14	.....	At quarantine station. From S. S. Huallaga.
Do.....	Apr. 1–30.....	2	.....
La Huaca.....	Mar. 1–31.....	9	.....
Do.....	Apr. 1–30.....	5	.....
Morropón.....	.....do.....	37	.....
Munueña.....	Mar. 1–31.....	12	.....
Paita.....	.....do.....	81	.....
Do.....	Apr. 1–30.....	14	.....
Piura.....	Mar. 1–31.....	1	.....
Do.....	Apr. 1–30.....	4	.....
Salitral.....	Mar. 1–31.....	2	.....
Sullana.....	.....do.....	9	.....
Do.....	Apr. 1–30.....	1	.....
Salvador.....	.....	.....	.....	Sept. 12–19, 1920: 1 case, Aug. 22–Oct. 11, 1920: Cases, 3; deaths, 1.
Armenia.....	June 20–26.....	1	1	Fatal cases were in Europeans.
San Salvador.....	Aug. 1–21.....	6	2	
Sonsonate.....	May 22–June 24....	49	17	
On vessels:				
S. S. Curacao.....	Nov. 16.....	1	1	At San Francisco, Calif. From Mexican ports, 6 days out from Mazatlan.
S. S. Haraldshaug.....	Sept. 28.....	1	.....	At Pensacola, Fla. From Puerto Barrios, Tampico, and Vera Cruz.
S. S. Soestdijk.....	Sept. 11.....	1	1	At Quarantine, La.
S. S. Yumuri.....	Oct. 13.....	1	1	At Campeche. Vessel left Vera Cruz Oct. 1, 1920.

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