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CEREBROSPINAL MENINGITIS AT ANGEL ISLAND IMMIGRATION STATION, CALIF.

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During the year 1920 it became apparent to the medical officer in charge of the Angel Island Immigration Station that an unusual number of cases of epidemic cerebrospinal meningitis was occurring among aliens detained at the station, and a commissioned medical officer was detailed by the Surgeon General of the United States Public Health Service to make an epidemiological study of the disease and to devise measures for its control.

In order to determine whether the disease was on the increase at the station a study of the hospital records since the year 1914 was made. These records showed that 10 cases of meningitis had occurred up to January 1920. Of these 10 cases, only 7 could be properly charged to the station, since the time between the arrival of the vessel and admission of 3 cases to the hospital was of too short an incubation period for the infection in these cases to have been contracted at the immigration station. These three cases became ill from one to four days after leaving the ship. The greatest number of cases occurring in any one year was four, all of them occurring during the month of February, 1914. The next largest number, three cases, occurred in 1919. Table I shows the number of cases of meningitis, the nationality of the patients, the name of the vessel on which they arrived, the date of the arrival of vessel, and the date of admission to hospital.

TABLE I.—Cases of cerebrospinal meningitis admitted to Immigration Hospital, Angel Island, Calif., during the period Jan. 1, 1914, to Dec. 30, 1919.

Number.	Nationality of patient.	Name of vessel.	Date vessel arrived.	Date patient was admitted to hospital.
1	Japanese.....	Manchuria.....	Feb. 2, 1914	Feb. 11, 1914
2	Spanish.....	City of Sydney.....	Feb. 14, 1914	Feb. 25, 1914
3	African.....	do.....	do.....	Feb. 24, 1914
4	Spanish.....	do.....	do.....	Feb. 25, 1914
5	Chinese.....	Korea.....	June 21, 1915	June 25, 1915
6	do.....	do.....	June 30, 1918	Sept. 23, 1918
7	do.....	China.....	July 27, 1919	July 27, 1919
8	do.....	do.....	do.....	(1)
9	Japanese.....	Shinyo Maru.....	Nov. 24, 1919	Nov. 25, 1919
10	Chinese.....	China.....	Dec. 17, 1919	Dec. 30, 1919

¹ To Isolation hospital from ship. Admitted to Immigrant Hospital; convalescent Sept. 3, 1919.

Up to October, 1920, four cases had occurred, and in each one of these cases the date between the arrival of vessel and admission of case to hospital was very short, two to four days, showing that the infection was probably contracted aboard ship and not at the station.

TABLE II.—Cases of cerebrospinal meningitis admitted to immigration hospital, Angel Island, Calif., during period Jan. 1, 1920, to Sept. 30, 1920.

Number.	Nationality of patient.	Name of vessel.	Date vessel arrived.	Date patient was admitted to hospital.
1	Chinese	China	Apr. 16, 1920	Apr. 19, 1920
2	do.	do.	do.	Do.
3	do.	do.	June 12, 1920	June 16, 1920
4	do.	Tenyo Maru	Sept. 10, 1920	Sept. 12, 1920

From October 27, 1920, to January 20, 1921, 15 cases occurred, which in all probability were contracted at the station, since the time between the arrival of the vessel and the admission of the patient to hospital varied from six days to over one month. Table III gives the information concerning these cases in detailed form.

TABLE III.—Cases of cerebrospinal meningitis admitted to immigration hospital, Angel Island, Calif., during the period Oct. 27, 1920, to Jan. 20, 1921.

Number.	Nationality of patient.	Name of vessel.	Date vessel arrived.	Date patient was admitted to hospital.
1	Chinese	China	Oct. 20, 1920	Oct. 27, 1920
2	do.	Shinyo Maru	Oct. 3, 1920	Nov. 2, 1920
3	do.	Colombia	Nov. 8, 1920	Nov. 19, 1920
4	do.	Venezuela	Dec. 3, 1920	Dec. 9, 1920
5	do.	Nanking	Nov. 27, 1920	Dec. 11, 1920
6	do.	Tjikembang	Nov. 26, 1920	Dec. 13, 1920
7	do.	Venezuela	Dec. 3, 1920	Dec. 17, 1920
8	do.	Arrest case	Dec. 8, 1920	Dec. 22, 1920
9	do.	Nila	Dec. 12, 1920	Dec. 23, 1920
10	do.	do.	do.	Dec. 24, 1920
11	do.	Nanking	Nov. 27, 1920	Dec. 28, 1920
12	do.	do.	do.	Dec. 29, 1920
13	do.	China	Dec. 30, 1920	Jan. 16, 1921
14	do.	do.	do.	Jan. 17, 1921
15	do.	Shinyo Maru	Dec. 21, 1920	Jan. 20, 1921

If we accept the incubation period as being from 5 to 14 days (since authorities are not agreed upon any definite incubation period), then all of these latter cases may have been due to conditions present at the station.

Epidemiological investigations of this disease show that the human carrier is the greatest single factor in the spread of it. Nevertheless, a careful study was undertaken to determine whether other factors might not have some bearing upon its spread. The factors studied were foods, transmission indirectly through unclean dishes and bed linen, meteorological conditions, overcrowding, lowering of

resistance by reason of other illnesses, and the presence of human carriers.

The food served to the detained aliens is of good quality, properly prepared, and served in a cleanly manner. The aliens are served their meals in a large, clean dining room. Each alien is given separate dishes and tableware, and each common bowl or dish has its own spoon or fork for serving portions, so that there is little or no danger of contaminating the common bowl by any individual's spoon or fork. The various groups of orientals and Europeans are served at different times and there is no intermingling among them. The food given the various races differs only in minor essentials. The meals are what are known as oriental and European, the oriental meal being practically the food used in the Orient, and the European meal corresponding to food eaten in this country. A number of orientals avail themselves of the European meal.

In Table III it is noted that only Chinese have been affected. These Chinese were all males, detained in two large rooms, separate from detained aliens of other races and opposite sex. If food be considered a factor, then a proportionate number of cases should have occurred among aliens other than the male Chinese. There were no cases among other groups.

Unclean dishes as a factor can be ruled out for the same reasons as the food. The dishes used were the same for all groups and were washed after being used by each group. The method of washing dishes and tableware is satisfactory and is purely mechanical. It consists of immersing them in boiling soapy water and rinsing in at least two changes of clean hot water, which practically sterilizes them.

Blankets, bed linens, and towels are the property of each individual and are washed by him as often as he desires or as necessity demands. There are no facilities for drying linen or for airing bed clothes. There is apparently no interchange of blankets and linen.

Meteorological conditions have an important indirect bearing on the incidence of the disease. A comparison of the Weather Bureau reports taken for the months of October, November, December, and January for three years shows that for the last three months of 1920 and for January, 1921, the number of rainy and cloudy days was greatly in excess of that of former years, the number of clear days being correspondingly diminished. Table IV shows the temperature, the amount of precipitation, and the number of clear, rainy, and cloudy days for the months of October, November, and December, of 1918, 1919, 1920, and for January, 1919, 1920, and 1921.

TABLE IV.—Summary of weather conditions.

Date.	Temperature (° F.).				Precipitation.	Number of days.		
	Mean.	High.	Low.	Normal.		Clear.	Rainy.	Cloudy.
October.....				58.4				
1918.....	64	85	52		0.17	21	5	10
1919.....	60.7	83	48		0.27	22	3	8
1920.....	60.2	78	49		1.53	18	7	13
November.....				55.5				
1918.....	55.6	72	45		5.60	18	9	12
1919.....	56	73	38		0.44	24	2	6
1920.....	56	69	45		2.70	12	10	19
December.....				49.9				
1918.....	50.2	64	38		2.62	18	7	13
1919.....	48.8	62	37		3.21	12	10	19
1920.....	51.1	61	42		7.48	11	16	23
January.....				49.5				
1919.....	51.2	63	37		2.57	19	7	12
1920.....	52.2	70	38		0.26	15	4	16
1921 ¹	51	61	39		4.67	11	9	13

¹ Up to Jan. 24, 1921.

The temperature was about the same for all years. The precipitation was greater for the last four months of this period. The seasonal precipitation for 1921 up to and including January 24 was more than in normal years. The number of clear days was considerably smaller, the number of cloudy and rainy days being correspondingly larger during the last four months. Because of this condition, the ground remained wet and muddy over a considerable period of time, which prohibited the aliens from going out of doors for days at a time, depriving them of much needed exercise and fresh air. This inability to go outdoors increased the visiting and gambling in the barracks and produced a more prolonged and intimate contact. It is a very common sight to see three or four Chinese perched upon one bunk playing cards or dice or holding conversations. Large groups, crowded closely together, are frequently seen gambling in various parts of the room.

The elimination of food, dishes, bed linen, and weather conditions directly as factors in the outbreak of the disease brings us down to a consideration of overcrowding, lowered resistance, and carriers. It is well known that overcrowding, together with the presence of a virulent carrier or a number of carriers, will spread the disease very rapidly to epidemic proportions, even though there may be no cases in the general population at large.

A study of the records of the San Francisco Board of Health for three years shows an average of 41 cases occurring each year. For the seven months since July, 1920, only 21 cases have occurred, of which number, 16 have been reported to the authorities by the immigration station. This leaves only five cases charged to the city proper with its population of over 500,000. From these records it can be seen that this is not an epidemic year for cerebrospinal meningitis in so far as San Francisco is concerned.

The male Chinese are detained in the two large, main rooms, 75 feet long, 36 feet wide, and 11½ feet high. Each room contains 192 standard steel bunks, in tiers of three high, one directly above the other, and close together, arranged in pairs. There is about 6 feet of space between the top bunk and the ceiling. There are four sets of these bunks, set about 2 feet apart and extending practically the length and width of the room. The bunks are placed in the center of the room; there are no bunks at the side of the room. They are about 6 feet long and 2 feet wide. If the occupant be a tall person, his feet probably touch the head of the sleeper in the next bunk. The space per head in cubic feet is only 158 when all the bunks are occupied. No allowance, however, is made for bunks, tables, benches, projecting surfaces, baggage, parcels, and other objects which diminish the available air space. During part of the months of December and January the available space at the station was still further diminished by having a number of aliens sleep on the floor, all the bunks being occupied. According to Rosenau, the United States immigration law requires 500 cubic feet of space per head in the steerage. The allowable floor space per head as usually stated by authorities is about 42 to 50 square feet. The amount allotted at this station when all bunks are occupied is only about 14 square feet, or about one-third of what the floor and air space should be.

The population records for this station for the year 1920 and for January, 1921, were studied, and an average for each month was made.

TABLE V.—*Population of detained males by months for 1920 and for January, 1921.*

Date.	Male Chinese.	Other males.	Date.	Male Chinese.	Other males.
1920.			1920—Continued.		
January.....	245	34	September.....	226	20
February.....	222	36	October.....	320	22
March.....	130	23	November.....	291	14
April.....	192	34	December.....	395	13
May.....	164	24			
June.....	206	13	1921.		
July.....	253	34	January.....	341	16
August.....	195	33			

It is seen from Table V that the greatest number of male Chinese were detained during the last four months. The males of other races averaged less than 30 per month and were quartered in barracks of sufficient floor and air space, so that overcrowding seldom occurred with them. Figure 1 shows the average number of detained male Chinese by weeks, and it can be seen at a glance that with the exception of one week in June there was practically very little crowding up to September. Beginning with the last week in September, the crowding became greater and continued to increase, with

slight variations, until the first week in January, 1921. From the first week in December to the third week in January, the congestion was at its highest level for a continuous period of six or seven weeks. As shown in Figure 1, there was no continuous crowding prior to the outbreak of the disease which lasted longer than one weekly period. In the last two weeks of October the overcrowding was continuous and was followed by one case of meningitis on the 27th and a second case on November 2. The number of aliens was again increased during the week ended November 13, and a case was reported on the 19th. For two weeks the number of aliens was decreased, but during the first week in December overcrowding again became pronounced.

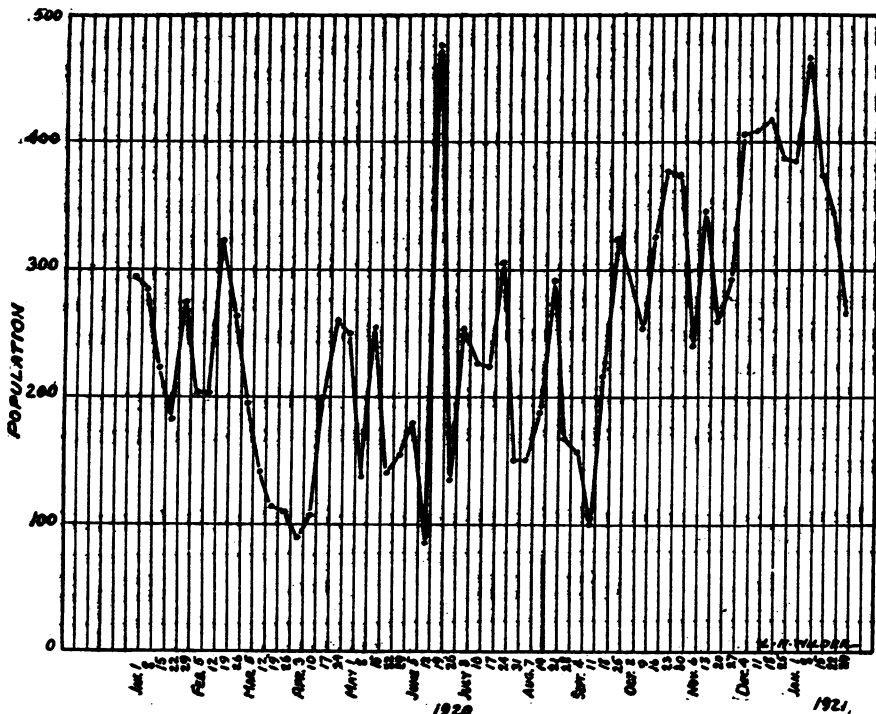


Fig. 1.—Average population of detained male Chinese, by weeks, 1920 and part of 1921.

This period of overcrowding was continuous for five weeks, and nine cases occurred within 20 days. During the last week of December and the first week of January, although the overcrowding was still great, there was slightly less congestion than during the preceding three weeks. The highest peak of overcrowding was reached during the week ended January 8, when 474 aliens were quartered in the barracks. This peak was followed eight or ten days later by three new cases. Up to February 1, 1921, no cases had occurred since January 20. It is a noticeable fact that within a week or ten days following a period of extreme overcrowding, the number of cases of meningitis increased. One or two weeks after the arrival of a large

number of aliens, additional cases occurred. This is shown very clearly in Figure 2, which gives the average number of aliens detained by weeks and the occurrence of cases during these weeks, from the first week of October, 1920, until the last week in January, 1921.

Coupled with this overcrowding was the factor of inclement weather. As previously observed, the number of rainy and cloudy days was greater than for this period in previous years, and the amount of precipitation during this period was much in excess of that for former years. This condition kept the aliens indoors for more prolonged and intimate contact. The ground was wet and muddy and the aliens could not be induced to go out to exercise; they preferred to remain indoors sleeping, visiting, or gambling.

It has been demonstrated by a number of investigators that an outbreak of a communicable disease renders the population more susceptible to the contraction of epidemic cerebrospinal meningitis.

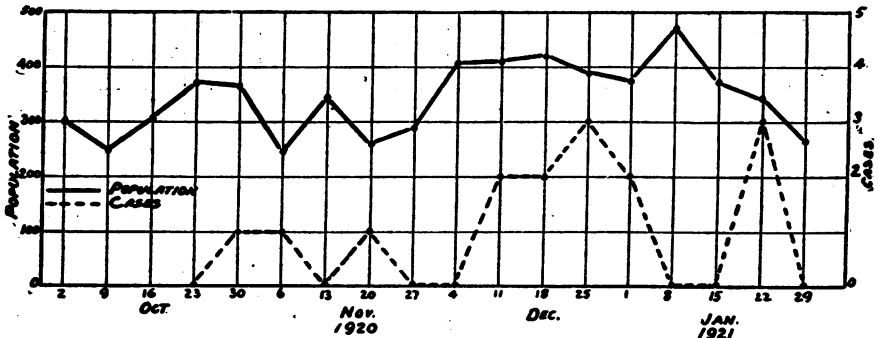


FIG. 2.—Average weekly population of detained male Chinese, and weekly number of cases of meningitis, October 2, 1920, to January 29, 1921.

There was such an outbreak at this station. In July of 1920, five cases of epidemic parotitis occurred, followed by the same number of cases in August. The disease did not flare up again until October, in the latter part of which month 2 new cases were reported, followed by 18 cases in November, 15 cases in December, and 7 cases in January. The same conditions operating to cause the meningitis epidemic probably contributed to the spread of the parotitis. The mumps ceased at about the same time as did the meningitis. It is highly probably that this outbreak of mumps lowered the resistance of the aliens and made them more susceptible to meningitis. Figure 3 shows to some extent how the meningitis cases followed each increase in the mumps.

The last factor to be considered was the human carrier. Having all the previously mentioned factors but no human carrier, it is doubtful whether any cases of meningitis would have occurred. The microorganism is sensitive to an unsuitable environment and readily succumbs outside of the body. Hence, exceptionally favorable condi-

tions for its immediate transference from person to person are necessary for its propagation. In this instance the favorable conditions were the overcrowding, increased by unfavorable weather and an outbreak of epidemic parotitis. It is also highly probable that a virulent carrier was present with a highly pathogenic type of organism.

It was therefore determined to culture all the detained male Chinese. Altogether, 253 aliens were cultured on January 28, of which number 23, or 9.1 per cent, were shown to be carriers by means of the agglutination test and the differential sugar media. These carriers were isolated in the hospital and a negative release culture was taken a few days later. Since 9.1 per cent of carriers were found among the 253 aliens cultured, it is readily conceivable how great a factor they might be in the spread of the disease. It is not possible to state which carrier or carriers were responsible for the outbreak, as we have no means at present for determining virulence.

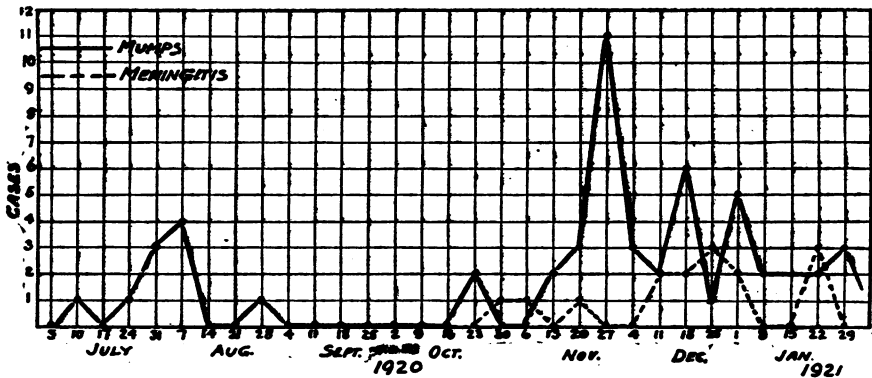


FIG. 3.—Relation of outbreak of mumps to cases of meningitis, by weeks, from July 3, 1920, to January 29, 1921.

The age of the meningitis cases in no instance was above 30 years. The patients were all young adults between the ages of 20 and 30. After the disease was diagnosed, the patients were immediately taken to the isolation hospital in San Francisco for isolation and treatment. The diagnosis was confirmed at this place by an examination of the spinal fluid.

The mortality rate was over 50 per cent, and it is thought that the high rate was due to the fact that the patients did not report themselves sick until they were almost in a state of collapse. Treatment was administered as soon as the diagnosis was made, and consisted of daily spinal injections of a polyvalent meningococcal serum after the necessary amount of spinal fluid had been withdrawn. Intravenous injections of the same serum were given when deemed necessary.

In comparing Table I with Table III, it is of interest to note that different nationalities were affected with this disease in previous years, whereas only Chinese were affected in this epidemic.

In this connection it might be well to mention the unusual occurrence of cases of cerebrospinal meningitis aboard the American steamship *China*. For five successive voyages, not including the last one, one case or more of meningitis has occurred on board ship or upon arrival at the hospital. These cases have occurred only in the male Chinese steerage passengers. The steerage is below decks and the ventilation is very poor at all times. Whether the cases were due to a carrier in the steerage mess crew or due to carriers among fellow passengers it is not possible to state. Only one of the other transpacific liners leaving Hongkong and other Oriental ports has had cases occurring on board ship or soon after arrival at this port. The bills of health show that epidemic cerebrospinal meningitis has been endemic in China for a number of years. A study of the cubic feet of air space and the square feet of floor space per steerage passenger shows that the S. S. *China* does not fall below the other liners in these respects.

Since it was assumed that the outbreak was due to a combination of overcrowding and carriers (before cultures were made), the measures devised to control the epidemic centered about these two factors. The commissioner of immigration was requested not to admit any arriving Chinese males to the Chinese barracks, but to keep them on board the vessel until they were needed for the immigration examination. All rail and water transients were kept on board until transportation was obtained for them to their final destinations. It was suggested that the aliens be broken up into small groups and each group be kept separate from the others; but this was not practicable, as there were no additional accommodations to carry the suggestion into effect. The suggestion was made that visiting and gambling be discouraged, and that every advantage be taken of the sunshine and fresh air. Windows were ordered to be kept open continuously, and expectoration on the floor was prohibited.

When the carrier cases were found they were isolated and kept isolated until two negative release cultures, taken four days apart, were obtained.

It was suggested that when the number of male Chinese being detained reached a figure considerably less than 150 they be placed in smaller quarters in small groups, so that the main detention barracks could be used for other purposes.

The suggestion was also made that in order to prevent future outbreak of disease the floor space and air space for each alien be increased to conform to the standards set by reliable authorities and that the number of aliens detained per barracks be about one-half the present capacity.

To increase the available air space and to permit the aliens to obtain fresh air and exercise it was recommended that clotheslines be installed in the yard for the drying of linens and the airing of bed-

clothes, and that a covered walk be built from the detention barracks to the sheds, this walk being necessary to protect the aliens in rainy and inclement weather when walking to and from the barracks and shed.

EDITORIAL NOTE.—The medical officer in charge of the hospital has reported recently that no case of cerebrospinal meningitis occurred during the month following the institution of remedial measures.

WORLD-WIDE PREVALENCE OF ENCEPHALITIS LETHARGICA.

The following data are taken from the published report of the Session Extraordinaire d'Avril 1920 du Comité Permanent de l'Office International d'Hygiène Publique, Paris, 1920. The information was furnished by the delegates from the different countries, and any hypotheses or conclusions stated here were made by the delegates.

The disease seems to be world wide. Announced in Austria by von Economo at the beginning of 1917, it reached France and England in the spring of 1918, and Italy the following winter. It appeared in Portugal in February, 1919, in India in November, and in Spain in the early part of 1920. It appeared in the United States toward the end of 1918, on the Atlantic coast, and on the Pacific coast in October, 1919. It has also reached Uruguay, South America, and was present in Australia in March, 1919.

Argentina.—Up to May, 1919, no case had been reported in Argentina. The delegate stated that he had no information relative to the disease since that time, but that it was not present during the epidemic of influenza.

Belgium.—In 1919 a small epidemic appeared in three communes of western Flanders, which disappeared during the summer. During the early part of 1920, cases were again reported in about 20 villages scattered throughout the same territory.

Denmark.—From July, 1919, to April, 1920, 58 cases, with 13 deaths, were reported as follows:

Cases by months.

Month.	Male.	Female.	Total.
1919.			
July.....	0	1	1
August.....	1	2	3
September.....	0	0	0
October.....	0	0	0
November.....	3	2	5
December.....	5	4	9
1920.			
January.....	14	6	20
February.....	6	2	8
March.....	5	6	11
April (up to Apr. 10).....	1	0	1
Total.....	35	23	58

Cases by age groups.

Age group.	Male.	Female.	Total.
Under 5.....	1	1	2
5 to 15.....	5	1	6
15 to 25.....	8	7	15
25 to 35.....	7	4	11
35 to 45.....	5	1	6
45 to 55.....	4	6	10
55 to 65.....	3	0	3
65 to 75.....	1	0	1
Between 15 and 65 (indefinite).....	1	3	4
Total.....	35	23	58

Cases by provinces.

Province.	Urban.		Rural.		Total.	
	Population.	Cases.	Population.	Cases.	Population.	Cases.
Copenhagen.....	641,000	8	.....	.....	641,000	8
Seeland.....	118,700	1	483,800	4	602,500	5
Bornholm.....	18,850	1	25,500	.....	44,350	1
Laaland-Falster.....	34,950	1	90,500	1	125,450	2
Fionie.....	97,300	4	220,300	11	317,600	15
Jutland.....	362,500	10	923,500	17	1,286,000	27
Total.....	1,273,500	25	1,743,600	33	3,017,100	58

England.—In 1919, 535 cases were reported in England and Wales. Up to April 10, 1920, 202 cases were reported. Occurrence in England indicates that it is a seasonal disease, the largest number of cases occurring in winter. Most of the cases were under 35 years of age. Rarely did several cases occur in the same household.

Encephalitis lethargica has been a notifiable disease in England and Wales since January 1, 1919.

France.—At the end of 1918 Netter drew attention to the occurrence of encephalitis lethargica in France. Since that time, notably during the winter of 1919–20, the number of cases has continued to increase. The French delegate, Dr. Péan, stated that “it was not (and with sufficient reason) placed in the category of notifiable diseases.” However, February 7, 1920, the Minister of Hygiene addressed a circular to all prefects of France requesting the following information on cases occurring in the different Departments:

- (1) Communicability of the disease.
- (2) Its relation to influenza.
- (3) Its relation to poliomyelitis.

In two months (up to early in April) 321 cases with 100 deaths—a case fatality rate of about 30 per cent—were reported from 50 Departments.

In no locality was there an appearance of an epidemic. The largest number of cases occurred in Departments which had the

densest population: Seine, 82; Nord, 22; Doubs, 18; Bouches-du-Rhône, 9. The distribution was quite uniform.

There was no report of the contraction of the disease by direct contact. The cases were isolated ones and seemed to appear simultaneously. Most physicians refused to consider the question of contagion.

Children and adults were attacked in the ratio of 1 to 2, deaths occurring in the same proportion. Only 5 of the 321 cases were past 60 years of age.

Italy.—Sporadic cases were registered in Italy in 1918, and in 1919–20 a considerable number of cases occurred. In studying the disease, the Director General of Health followed two principal courses:

- (1) Instituted laboratory research.
- (2) Made an epidemiological study by means of a questionnaire sent to the provincial sanitary officers.

The results of the experimental work were principally negative, whereas much information was obtained from the epidemiological study. According to information received from the questionnaires from 49 provinces and about 1,000 communes, 3,960 cases were reported, with 1,013 deaths (period covered not stated), a case fatality rate of 25.6. The maximum occurrence of the disease was at the beginning of the year 1920. The greatest number of cases was reported from central and north Italy, the south remaining almost entirely free. It seems that the maritime climate confers a certain immunity.

Norway.—Encephalitis lethargica was first observed in Norway in 1919. One case was noted in each of the months of January, February, and March of that year. From October to December of the same year 18 cases were reported, and from January to March, 1920, 10 cases—a total for the period of 31 cases, with 7 deaths.

The distribution of cases was as follows: Christiania, 22; Seljord, 1; Horh, 1; Hammerfest, 1; scattering along coast, 6. There was no connection between the cases, each case appearing isolated.

Notification is obligatory in Christiania.

Peru.—Three cases were reported in 1919.

Poland.—Cases of encephalitis lethargica were reported in February, 1920, when the Minister of Health made notification of the disease compulsory.

Portugal.—In July, 1918, the attention of the physicians of Portugal was called to the occurrence of encephalitis lethargica, and a general review of the studies of the disease was published. In March, 1919, a case was reported in Lisbon. Later two more cases were reported, and up to early April, 7 cases had been reported in Lisbon. Two patients were children, 4 or 5 years of age, one was about 15 years

old, and 4 were adults. Two deaths occurred in the adults; the other cases recovered.

Characteristic cases were also reported from Ponta Delgada, Azores, and two at Oporto, toward the end of the year 1919. During the early part of 1920 two additional cases were reported in Portugal, one each from Beja and Portalegre.

Tunis.—Two suspect cases and one confirmed case were reported from Tunis.

United States.—Encephalitis lethargica appeared in the United States during the fall of 1918, the first case occurring in New York in September of that year. Then, for the whole country, there were in October 3 cases; November, 7; December, 10; January (1919), 19; February, 35; March, 61; April, 12; May, 5; June, none. In all, 222 cases had been reported to the United States Public Health Service. Following investigation, 39 of these cases were eliminated.

The chairman of the meeting, Dr. Velghe, Director General of the Administration of Hygiene of Belgium, stated that although lethargy was usually mentioned as a characteristic symptom of the disease, it was absent in some cases, and for this reason the Academy of Medicine of France had proposed to change the name.

LATER REPORTS.

Dr. Netter called attention to the reappearance of encephalitis lethargica, which took on epidemic form in France early in January, 1920, and its existence throughout the entire world.¹ He stated that although notification was not compulsory, he had estimated that there were about 1,500 cases in Paris and probably 10,000 cases throughout all France; and he believed that both Italy and Austria had as many cases as France. The mortality rate was difficult to establish because of the different clinical aspects of the disease, the difficulties in diagnosing it, and the different forms, some abortive cases, some light, some ambulatory.

The data in the accompanying table, excepting the figures for the United States, were taken from the Weekly Record of Infectious Diseases at Ports, etc. (British Ministry of Health), January 28, 1920, to February 16, 1921. The figures for the United States represent the number of cases that have been reported to the United States Public Health Service.

The disease is not reportable in most of the countries and in but few cities and States of the United States, and the figures here given are, in most instances at least, fragmentary and a bare minimum. Reporting is obligatory in England and Wales, Christiania, Norway, Poland, and Zurich, Switzerland.

¹ Bulletin de L'Académie de Médecine, vol. 3, No. 13, Apr 5, 1920.

Encephalitis lethargica.

Country.	1920												1921	
	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Algeria.....			1	1	1	1		2						
Argentina.....						4								
Austria.....		2		2	2	4			1	1				
Belgium.....	2	1	1	1	1				4	2	1	4	(?)	
Brazil.....								4	1	1	2			
Canada ¹	32													
Chile.....								1						
Czechoslovakia.....											5		2	
Denmark.....	22	8		11		1	25	4	13	4	4			
England and Wales.....	115	452	56	421	68	73	59	435	31	51	42	114	454	220
Finland ²														7
France ³	70	206	144	44	5	1								
Germany.....		18			12	5	2		1		2			
Holland.....				4										
Ireland.....						1			1					1
Italy.....	96	403	87	27		19	2	5	2			1	3	
Luxemburg.....		4												
Malta.....				1			2							
Mexico.....	2													
Morocco.....			3									1		
New Zealand.....		4				2		8						
Portugal.....							5	1		1				1
Norway ⁴	12	3				2	1		1		1		13	4
Scotland ⁵			1											
Sicily.....		12	21	1										
Spain.....				3	1									
Sweden.....							13	2		6	34	75	222	
Switzerland.....	46	211	178	57	24	5	3	3	5		7	5	26	
Tasmania.....							1							
United States.....	174	220	205	155	102	69	73	49	47	28	29	48	220	463
Uruguay ⁶														

¹ Deaths.

² Outbreak in Liege and Hainault Provinces.

³ November and December, 1919: Cases, 78; deaths, 20.

⁴ Two weeks missing.

⁵ One week missing.

⁶ To Dec. 22, 1920: Cases, 60; deaths, 6. To Jan. 4, 1921: Cases, 107. Jan. 5-15: Cases, 42; deaths, 2.

⁷ From International Office of Public Hygiene.

⁸ Christiania.

⁹ Quarter ended Sept. 30, 1920: Deaths, 18.

¹⁰ October, 1920, prevalent.

OCCURRENCE IN NEW YORK CITY, 1919 AND 1920.

The following figures for New York City were taken from the Weekly Bulletin of the Department of Health of the City of New York, March 19, 1921:

Cases and deaths, by months, 1919 and 1920.

Month.	1919		1920	
	Cases.	Deaths.	Cases.	Deaths.
January.....	5	.....	36	12
February.....	16	.....	149	50
March.....	25	9	116	52
April.....	10	1	66	16
May.....	16	5	42	22
June.....	4	1	20	12
July.....	2	1	39	9
August.....	1	.....	28	11
September.....	8	5	22	6
October.....	23	7	11	3
November.....	9	3	12	9
December.....	9	1	24	9
Total.....	128	33	565	211

NOTE.—The cases for New York City for January and February, 1921, as reported to the United States Public Health Service by the New York State Department of Health were: January, 61; February, 195.

Cases and deaths, by age groups and sex, 1920.

Age group (years).	Cases.			Deaths.		
	Male.	Female.	Total.	Male.	Female.	Total.
Under 5.....	23	24	47	10	8	18
5 to 9.....	26	14	40	10	2	12
10 to 14.....	32	18	50	6	5	11
15 to 19.....	23	24	47	5	5	10
20 to 24.....	37	34	71	13	11	24
25 to 29.....	29	27	56	11	14	25
30 to 34.....	35	18	53	8	8	16
35 to 39.....	30	18	48	14	11	25
40 to 44.....	19	14	33	7	10	17
45 to 49.....	24	16	40	13	7	20
50 to 54.....	15	8	23	8	3	11
55 to 59.....	8	3	11	6	1	7
60 to 64.....	7	7	14	3	5	8
65 to 69.....	4	4	8	2	1	3
70 to 74.....	3	2	5	2	1	3
75 to 79.....	.....	1	1	.....	1	1
80 to 84.....	1	.....	2	.....	.....	.....
85 and over.....	.....	.....	.....	.....	.....	.....
Total.....	316	233	549	118	93	211

DEATHS DURING WEEK ENDED MAR. 12, 1921.

Summary of information received by telegraph from industrial insurance companies for week ended Mar. 12, 1921. (From the "Weekly Health Index," Mar. 15, 1921, issued by the Bureau of the Census, Department of Commerce.)

Policies in force.....	46, 177, 180
Number of death claims.....	9, 440
Death claims per 1,000 policies in force, annual rate.....	10. 7

Deaths from all causes in certain large cities of the United States during the week ended Mar. 12, 1921, infant mortality, annual death rate, and comparison with corresponding week of preceding years. (From the "Weekly Health Index," Mar. 15, 1921, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population, July 1, 1921.	Week ended Mar. 12, 1921.		Average annual death rate per 1,000. ²	Deaths under 1 year.		Infant mortality rate, week ended Mar. 12, 1921. ³
		Total deaths.	Death rate. ¹		Week ended Mar. 12, 1921.	Previous year of years. ³	
Akron, Ohio.....	229, 195	41	9.3	4 10.4	12	4 4	115
Albany, N. Y.....	115, 071	31	14.0	C 20.1	4	C 10	90
Atlanta, Ga.....	207, 473	56	14.1	C 17.2	9	C 9	.....
Baltimore, Md.....	751, 537	289	20.1	A 19.1	36	A 35	101
Birmingham, Ala.....	186, 133	40	11.2	A 19.8	4	A 8	.....
Boston, Mass.....	757, 634	229	15.8	A 19.6	38	A 39	103
Bridgeport, Conn.....	149, 967	41	14.3	A 17.6	9	A 6	114
Buffalo, N. Y.....	519, 608	167	16.8	C 16.4	32	C 32	124
Cambridge, Mass.....	110, 444	29	13.7	A 14.6	2	A 4	36
Camden, N. J.....	119, 672	55	24.0	.....	11	.....	.....
Chicago, Ill.....	2, 780, 655	655	12.3	A 17.4	113	A 168	.....
Cincinnati, Ohio.....	403, 418	143	18.5	C 20.9	10	C 20	66
Cleveland, Ohio.....	831, 138	201	12.6	C 12.9	40	C 23	107
Columbus, Ohio.....	245, 358	55	11.7	C 17.8	7	C 12	81
Dallas, Tex.....	165, 282	39	12.3	A 14.8	4	A 4	.....
Dayton, Ohio.....	158, 119	32	10.6	C 19.7	3	C 5	49
Denver, Colo.....	263, 152	77	15.3	A 15.7	8	.....	.....
Detroit, Mich.....	1, 070, 450	226	11.0	.....	62	.....	117
Fall River, Mass.....	120, 668	61	26.4	C 21.2	17	C 10	255
Grand Rapids, Mich.....	141, 197	23	8.5	C 8.6	4	C 3	68
Houston, Tex.....	144, 340	29	30.5	.....	3	.....	.....
Indianapolis, Ind.....	325, 215	82	13.1	C 16.2	10	C 11	78
Jersey City, N. J.....	302, 788	92	15.8	C 17.6	13	C 11	.....
Kansas City, Kans.....	103, 908	26	13.0	.....	2	.....	48
Kansas City, Mo.....	336, 157	100	15.5	C 14.3	8	C 9	.....
Los Angeles, Calif.....	611, 636	165	14.1	A 14.1	13	A 10	61
Louisville, Ky.....	236, 083	76	16.8	C 17.4	5	C 6	58
Lowell, Mass.....	113, 757	32	14.7	A 18.6	4	A 8	64
Milwaukee, Wis.....	468, 388	112	12.5	A 15.3	17	A 32	82
Minneapolis, Minn.....	392, 815	90	11.9	C 12.0	10	C 11	57
Nashville, Tenn.....	119, 536	40	17.4	C 17.8	6	C 7	.....
New Bedford, Mass.....	125, 012	30	12.5	A 17.1	9	A 8	138
New Haven, Conn.....	167, 007	63	19.7	C 11.9	6	C 4	71
New Orleans, La.....	394, 657	134	17.7	A 21.3	14	A 14	.....
New York, N. Y.....	5, 751, 867	1, 494	13.5	C 16.1	190	C 249	75
Newark, N. J.....	424, 885	114	14.0	C 18.5	15	C 21	.....
Norfolk, Va.....	121, 260	33	14.2	.....	6	.....	106
Oakland, Calif.....	226, 472	51	11.7	A 13.2	3	A 4	38
Omaha, Nebr.....	197, 066	56	14.8	.....	8	.....	.....
Paterson, N. J.....	137, 463	37	14.0	.....	11	.....	.....
Philadelphia, Pa.....	1, 866, 212	586	16.4	C 17.7	74	C 77	89
Pittsburgh, Pa.....	596, 413	172	15.0	C 17.7	25	C 42	89
Portland, Oreg.....	264, 859	55	10.8	C 13.1	1	C 6	10
Providence, R. I.....	239, 645	59	12.8	C 17.3	9	C 11	73
Richmond, Va.....	175, 686	47	13.9	C 21.2	6	C 6	.....
Rochester, N. Y.....	305, 229	74	12.6	C 14.7	16	C 14	124
St. Louis, Mo.....	786, 164	198	13.1	C 20.4	18	C 36	.....
St. Paul, Minn.....	237, 781	67	14.7	C 11.3	7	C 7	70
Salt Lake City, Utah.....	121, 595	20	8.6	A 12.3	4	A 6	62
San Francisco, Calif.....	520, 546	137	13.7	C 16.2	7	C 13	41
Seattle, Wash.....	327, 227	53	8.4	A 10.1	8	A 6	67
Springfield, Mass.....	135, 877	41	15.7	.....	8	.....	121
Syracuse, N. Y.....	177, 265	54	15.9	C 13.5	6	C 5	72
Toledo, Ohio.....	253, 696	55	11.3	A 19.1	6	A 11	60
Trenton, N. J.....	122, 760	44	18.7	A 21.6	10	A 11	.....
Washington, D. C.....	454, 026	127	14.6	A 18.9	7	A 14	123
Wilmington, Del.....	113, 408	26	12.0	C 20.3	7	.....	.....
Worcester, Mass.....	184, 972	53	14.9	C 17.9	7	C 5	75
Yonkers, N. Y.....	103, 324	23	11.6	A 13.8	4	A 4	91
Youngstown, Ohio.....	139, 432	31	11.6	.....	3	.....	38

¹ Annual rate 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 1918.
³ Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1-year for the week and estimated births for 1920. Cities left blank are not in the registration area for births.
⁴ Data are based on statistics of 1915, 1916, and 1917.

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 Mar. 19, 1921.

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

ALABAMA.	Cases.	CALIFORNIA—continued.	Cases.
Chicken pox.....	34	Poliomyelitis:	
Diphtheria.....	9	East San Diego.....	1
Hookworm.....	192	San Francisco.....	1
Malaria.....	5	Smallpox:	
Measles.....	30	Kern County.....	17
Paratyphoid fever.....	1	Oakland.....	9
Scarlet fever.....	15	San Francisco.....	28
Smallpox:		Scattering.....	57
Jefferson County.....	51	Typhoid fever.....	12
Montgomery County.....	21	Typhus fever—Los Angeles.....	1
Tuscaloosa County.....	12		
Scattering.....	43		
Tetanus.....	1	CONNECTICUT.	
Tuberculosis.....	25	Chicken pox.....	74
Typhoid fever:		Diphtheria:	
Jefferson County.....	11	Bridgeport.....	16
Scattering.....	11	Hartford.....	8
		New Haven.....	17
		Scattering.....	24
		Favus.....	1
ARKANSAS.		German measles.....	1
Cerebrospinal meningitis.....	1	Influenza.....	6
Chicken pox.....	51	Lethargic encephalitis.....	2
Diphtheria.....	12	Measles:	
Influenza.....	58	Greenwich.....	55
Malaria.....	65	Hartford.....	13
Measles.....	214	Middletown (C).....	14
Ophthalmia neonatorum.....	1	New Britain.....	15
Pellagra.....	3	New Hartford.....	45
Pneumonia.....	2	Waterbury.....	11
Scarlet fever.....	29	Scattering.....	28
Smallpox.....	16	Mumps.....	92
Trachoma.....	2	Pneumonia (labor).....	31
Tuberculosis.....	15	Scarlet fever:	
Typhoid fever.....	8	Bridgeport.....	12
Whooping cough.....	86	Hamden.....	8
		New Haven.....	48
		Scattering.....	57
		Septic sore throat.....	1
CALIFORNIA.		Smallpox.....	1
Cerebrospinal meningitis.....	4	Trachoma.....	1
Lethargic encephalitis:		Tuberculosis (all forms).....	46
Los Angeles.....	1	Typhoid fever.....	3
Sacramento.....	1	Whooping cough.....	69
San Francisco.....	1		
San Jose.....	1		

DELAWARE.		Cases.
Anthrax—Wilmington	.....	1
Chicken pox	.....	6
Diphtheria	.....	6
Influenza	.....	3
Measles	.....	1
Mumps	.....	1
Pneumonia	.....	4
Scarlet fever:		
Wilmington	.....	20
Scattering	.....	9
Tuberculosis	.....	10
Typhoid fever	.....	1
Whooping cough	.....	12
FLORIDA.		Cases.
Diphtheria	.....	12
Influenza	.....	8
Lethargic encephalitis	.....	1
Malaria	.....	18
Pneumonia	.....	4
Scarlet fever	.....	1
Smallpox	.....	72
Typhoid fever	.....	24
GEORGIA.		Cases.
Chicken pox	.....	43
Conjunctivitis (acute infectious)	.....	4
Diphtheria	.....	14
German measles	.....	2
Influenza	.....	31
Malaria	.....	26
Measles	.....	152
Mumps	.....	7
Pneumonia	.....	36
Scarlet fever	.....	12
Septic sore throat	.....	2
Smallpox	.....	90
Tuberculosis (all forms)	.....	10
Typhoid fever	.....	3
Whooping cough	.....	1
ILLINOIS.		Cases.
Cerebrospinal meningitis:		
Chicago	.....	4
East St. Louis	.....	1
Waukegan	.....	1
Diphtheria:		
Chicago	.....	209
Scattering	.....	68
Influenza	.....	18
Lethargic encephalitis—Chicago	.....	4
Pneumonia	.....	305
Scarlet fever:		
Bloomington	.....	10
Chicago	.....	123
East St. Louis	.....	12
Jacksonville	.....	18
Peoria	.....	9
Rockford	.....	12
Springfield	.....	17
Scattering	.....	167
Smallpox:		
Bureau County—Hall Township	.....	29
East St. Louis	.....	35
Mount Morris	.....	10
Pontiac	.....	17

ILLINOIS—continued.		Cases.
Smallpox—Continued.		
Rockford	.....	12
Scattering	.....	153
Typhoid fever	.....	5
INDIANA.		Cases.
Diphtheria	.....	60
Scarlet fever	.....	304
Smallpox	.....	249
Typhoid fever	.....	8
IOWA.		Cases.
Cerebrospinal meningitis:		
Cass County	.....	1
Onawa	.....	1
Diphtheria	.....	34
Poliomyelitis—Ida County	.....	1
Scarlet fever	.....	130
Smallpox:		
Atalissa	.....	24
Cedar Rapids	.....	11
Chariton	.....	20
Ottumwa	.....	30
Rockwell City	.....	16
Waverly	.....	9
Scattering	.....	237
KANSAS.		Cases.
Cerebrospinal meningitis	.....	4
Chicken pox	.....	133
Diphtheria	.....	54
German measles	.....	3
Influenza	.....	13
Lethargic encephalitis	.....	3
Measles	.....	525
Mumps	.....	16
Pneumonia	.....	39
Scarlet fever	.....	103
Septic sore throat	.....	2
Smallpox	.....	262
Tuberculosis	.....	23
Typhoid fever	.....	8
Whooping cough	.....	64
LOUISIANA.		Cases.
Diphtheria	.....	7
Poliomyelitis	.....	2
Scarlet fever	.....	7
Smallpox	.....	61
Typhoid fever	.....	8
MAINE.		Cases.
Chicken pox	.....	18
Diphtheria	.....	7
Influenza	.....	1
Measles	.....	224
Mumps	.....	5
Pellagra	.....	1
Pneumonia	.....	16
Scarlet fever	.....	32
Septic sore throat	.....	3
Smallpox	.....	1
Tuberculosis	.....	6
Typhoid fever	.....	5
Whooping cough	.....	3

MARYLAND. ¹		Cases.	MISSOURI.		Cases.
Cerebrospinal meningitis	1	1	Cerebrospinal meningitis	1	1
Chicken pox	142	142	Chicken pox	148	148
Diphtheria	39	39	Diphtheria	131	131
German measles	1	1	Epidemic sore throat	14	14
Influenza	274	274	Influenza	16	16
Lethargic encephalitis	2	2	Measles	224	224
Malaria	3	3	Mumps	69	69
Measles	142	142	Scarlet fever	147	147
Mumps	64	64	Smallpox	236	236
Pellagra	1	1	Tetanus	1	1
Pneumonia (all forms)	185	185	Trachoma	3	3
Scarlet fever	64	64	Tuberculosis	42	42
Septic sore throat	6	6	Typhoid fever	12	12
Smallpox	8	8	Whooping cough	110	110
Tuberculosis	71	71			
Typhoid fever	12	12	MONTANA.		
Vincent's angina	1	1	Diphtheria	9	9
Whooping cough	150	150	Scarlet fever	17	17
			Smallpox	40	40
MASSACHUSETTS.			Typhoid fever	1	1
Cerebrospinal meningitis	3	3			
Chicken pox	408	408	NEBRASKA.		
Conjunctivitis (suppurative)	10	10	Cerebrospinal meningitis—Normal	1	1
Diphtheria	162	162	Chicken pox	11	11
Dysentery	1	1	Diphtheria	9	9
German measles	32	32	Measles:		
Influenza	23	23	Nebraska City	60	60
Lethargic encephalitis	7	7	Omaha	17	17
Malaria	2	2	Scattering	9	9
Measles	565	565	Mumps	21	21
Mumps	152	152	Scarlet fever:		
Ophthalmia neonatorum	19	19	Lincoln	13	13
Pellagra	1	1	Omaha	12	12
Pneumonia (lobar)	112	112	Scattering	25	25
Poliomyelitis	2	2	Smallpox:		
Scarlet fever	291	291	Center	17	17
Septic sore throat	3	3	Scattering	56	56
Smallpox	3	3	Typhoid fever	2	2
Trachoma	1	1	Whooping cough	1	1
Tuberculosis (all forms)	201	201			
Typhoid fever	9	9	NEW JERSEY.		
Whooping cough	231	231	Cerebrospinal meningitis	5	5
			Chicken pox	299	299
MINNESOTA.			Diphtheria	158	158
Cerebrospinal meningitis	1	1	Influenza	79	79
Chicken pox	18	18	Malaria	1	1
Diphtheria	37	37	Measles	252	252
Influenza	4	4	Pneumonia	184	184
Measles	35	35	Poliomyelitis	1	1
Pneumonia	5	5	Scarlet fever	280	280
Scarlet fever	162	162	Smallpox	5	5
Smallpox:			Typhoid fever	3	3
Minneapolis	106	106	Whooping cough	265	265
Scattering	214	214			
Trachoma	1	1	NEW MEXICO.		
Tuberculosis	93	93	Chicken pox	16	16
Typhoid fever	9	9	Diphtheria	45	45
Whooping cough	14	14	Lethargic encephalitis	1	1
			Malaria	1	1
MISSISSIPPI.			Measles	163	163
Cerebrospinal meningitis	1	1	Mumps	28	28
Diphtheria	14	14	Pneumonia	9	9
Scarlet fever	13	13	Scarlet fever	20	20
Smallpox	31	31	Septic sore throat	1	1
Typhoid fever	4	4			

¹ Week ended Friday.

NEW MEXICO—continued.	Cases.
Smallpox.....	4
Trachoma.....	1
Tuberculosis.....	43
Typhoid fever.....	2
Whooping cough.....	46

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis—Tuckahoe.....	1
Diphtheria.....	205
Influenza.....	50
Lethargic encephalitis.....	5
Measles.....	1,106
Pneumonia.....	324
Scarlet fever.....	303
Smallpox.....	37
Typhoid fever.....	31
Whooping cough.....	442

NORTH CAROLINA.

Chicken pox.....	174
Diphtheria.....	32
German measles.....	2
Measles.....	608
Ophthalmia neonatorum.....	1
Scarlet fever.....	8
Septic sore throat.....	3
Smallpox.....	166
Typhoid fever.....	5
Whooping cough.....	285

SOUTH DAKOTA.

Chicken pox.....	5
Diphtheria.....	10
Measles.....	6
Pneumonia.....	19
Scarlet fever.....	38
Smallpox.....	64
Tuberculosis.....	1

TEXAS.

Cerebrospinal meningitis.....	1
Chicken pox.....	68
Diphtheria.....	13
Influenza.....	34
Measles.....	148
Scarlet fever.....	8
Smallpox.....	40
Typhus fever—San Marcos.....	1

VERMONT.

Chicken pox.....	56
Diphtheria.....	16
German measles.....	2
Lethargic encephalitis.....	2
Measles.....	112
Mumps.....	17
Pneumonia.....	10
Scarlet fever.....	13

VERMONT—continued.	Cases.
Smallpox.....	2
Typhoid fever.....	3
Whooping cough.....	36

VIRGINIA.

Smallpox—Nottaway County, several.

WASHINGTON.

Chicken pox.....	94
Diphtheria.....	23
Measles.....	51
Mumps.....	13
Pneumonia.....	1
Scarlet fever.....	49
Smallpox.....	107
Tuberculosis.....	3
Typhoid fever.....	3
Whooping cough.....	12

WEST VIRGINIA.

Diphtheria.....	5
Measles:	
Charleston.....	11
Fairmont.....	8
Montgomery.....	10
Morgantown.....	8
Scattering.....	17
Scarlet fever:	
Morgantown.....	8
Scattering.....	12
Smallpox.....	15
Typhoid fever.....	3

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis.....	1
Chicken pox.....	63
Diphtheria.....	35
German measles.....	2
Influenza.....	1
Measles.....	17
Poliomyelitis.....	1
Scarlet fever.....	42
Smallpox.....	33
Tuberculosis.....	10
Whooping cough.....	12
Scattering:	
Cerebrospinal meningitis.....	1
Chicken pox.....	151
Diphtheria.....	46
German measles.....	7
Influenza.....	11
Lethargic encephalitis—	
Barren County—Dallas Township.....	1
Measles.....	101
Scarlet fever.....	204
Smallpox.....	170
Tuberculosis.....	11
Typhoid fever.....	11
Whooping cough.....	104

RECIPROCAL NOTIFICATION.

Connecticut—February, 1921.

Cases of communicable diseases referred during February, 1921, to other State health departments by Department of Health of the State of Connecticut.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria: Wcatogue (Simsbury), Conn. Lakeville, Conn.	State Department of Public Health, Boston, Mass. do.	Patient had visited Lee, Mass., 4 days prior to onset. The patient was a student at a school in Lakeville, Conn., but apparently infection was received on a trip to his home in Brookline, Mass.
Norwalk, Conn.	State Board of Health, Trenton, N. J.	Patient arrived in Norwalk, Conn., from Elizabeth, N. J., on Feb. 11, and the onset of the disease was Feb. 13. Inquiry showed that her brother had had diphtheria in Elizabeth, N. J.
Scarlet fever: Stonington, Conn.	State Board of Health, Providence, R. I.	Patient had visited in Westerly, R. I., and had visited persons in contact with scarlet-fever cases.
New Canaan, Conn.	State Department of Health, Albany, N. Y.	Patient arrived in New Canaan, Conn., on a visit 2 days prior to onset.
Measles: Stonington, Conn.	State Board of Health, Providence, R. I.	Patient arrived in Mystic (Stonington) Feb. 9, with symptoms of measles, from East Providence, R. I.
Typhoid fever: New Canaan, Conn.	State Department of Health, Albany, N. Y.	Patient was taken ill at his home in New Canaan, Conn., but had been employed and resided in Brooklyn, N. Y., during the week.
Smallpox: Bethel, Conn.	State Board of Health, Bismarck, N. Dak.	Patient left Lovell, Wyo., Dec. 23, and arrived in Fargo, N. Dak., Dec. 25, remaining there 1 week at a hotel where there was a case of "chicken pox." From Fargo he came directly to Bethel, Conn., where he arrived ill. Five days later the diagnosis of smallpox was made.

PLAGUE.¹

HUMAN CASES OF PLAGUE REPORTED.

Place.	Period covered.	Cases.	Deaths.	Remarks.
California: San Benito County.....	1921. Feb 7.....		1	

¹ A summary of the reports received of the occurrence of plague and the finding of plague-infected rodents in the United States during 1920 was published in Public Health Reports, Jan. 7, 1921, p. 15.

PLAGUE-INFECTED RODENTS.

Place.	Period covered.	Rodents found plague infected.
Florida: Pensacola.....	1921. Jan. 1 to Mar. 9..... Mer. 10-19.....	4 0
Louisiana: New Orleans.....	Jan. 1 to Feb. 19..... Feb. 20 to Mar. 19.....	33 0

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921.

ANTHRAX.

Place.	Cases.	Deaths.
New York: New York.....		1

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

Place.	Median for previous years.	Week ended Mar. 5, 1921.		Place.	Median for previous years.	Week ended Mar. 5, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Michigan:			
Birmingham.....	1	2	1	Detroit.....	1	2	1
California:				Hamtramck.....			
Los Angeles.....	0	1		Port Huron.....	0	1	1
San Francisco.....	0	2		Missouri:			
Connecticut:				Kansas City.....	0	2	1
Bridgeport.....	0	1	1	St. Louis.....	1	1	1
Hartford.....	0	1	1	New Jersey:			
New Britain.....	0	1		Elizabeth.....	0	1	1
Georgia:				Newark.....	1	1	
Atlanta.....	0	1		Union.....		1	
Illinois:				New York:			
Chicago.....	3	3	3	Buffalo.....	0		1
Danville.....	0	1		New York.....	6	9	3
Indiana:				Ohio:			
Indianapolis.....	1	1	1	Cleveland.....	1	1	
Kansas:				Pennsylvania:			
Wichita.....	1	1	2	Philadelphia.....	2		1
Kentucky:				Texas:			
Louisville.....	0	1		Dallas.....	1	2	
Louisiana:				Waco.....	0		1
New Orleans.....	1	1					
Maryland:							
Baltimore.....	1	2	1				

DIPHTHERIA.

See p. 622; also Telegraphic weekly reports from States, p. 609, and Monthly summaries by States, p. 613.

INFLUENZA.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Louisiana:		
Birmingham.....		2	New Orleans.....		2
Arkansas:			Maryland:		
Fort Smith.....	1		Baltimore.....	239	4
California:			Cumberland.....	3	
Alameda.....	2		Massachusetts:		
Los Angeles.....	4	1	Boston.....	7	
Oakland.....	6	2	Cambridge.....		1
Sacramento.....	16		Everett.....	2	
San Diego.....	5		Fall River.....	1	
San Francisco.....	14		Salem.....	1	
Colorado:			Somerville.....	1	
Denver.....		1	Worcester.....	6	
Connecticut:			Michigan:		
New Britain.....	9		Battle Creek.....	1	
District of Columbia:			Detroit.....	3	1
Washington.....	4	2	Kalamazoo.....	2	1
Georgia:			Minnesota:		
Brunswick.....	6		Minneapolis.....		1
La Grange.....	1		Missouri:		
Illinois:			Kansas City.....	3	2
Chicago.....	14	3	St. Louis.....	2	
Danville.....	2				

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

INFLUENZA—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Montana:			North Carolina:		
Great Falls.....	1		Salisbury.....	1	
New Jersey:			Ohio:		
Asbury Park.....	4		Akron.....	2	
Atlantic City.....	1		Cincinnati.....		1
Belleville.....	1		Cleveland.....	1	
Kearny.....	7		Oregon:		
Montclair.....	1	1	Portland.....	2	
Morristown.....	1		Pennsylvania:		
Newark.....	22	2	Philadelphia.....	10	9
Passaic.....	6		South Carolina:		
Trenton.....	17	1	Charleston.....		1
West Orange.....	1		Tennessee:		
New York:			Nashville.....		2
Buffalo.....	3		Texas:		
Cohoes.....	7		Dallas.....	3	
Jamestown.....	2		Virginia:		
Mount Vernon.....	2	1	Richmond.....		1
New York.....	101	16	Roanoke.....	5	
Saratoga Springs.....	2				

LEPROSY.

Place.	Cases.	Deaths.
California:		
San Francisco.....		1

LETHARGIC ENCEPHALITIS.

Place.	Cases.	Deaths.
New Jersey:		
Jersey City.....	1	

MALARIA.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Connecticut:			New York:		
Norwalk.....	1		New York.....	1	
Georgia:			South Carolina:		
Atlanta.....	2		Charleston.....		1
Brunswick.....	3		Texas:		
Valdosta.....	7		Dallas.....	5	

MEASLES.

See p. 622; also Telegraphic weekly reports from States, p. 609, and Monthly summaries by States, p. 613.

PELLAGRA.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Louisiana:		
Birmingham.....		1	Monroe.....		1
Georgia:			Texas:		
La Grange.....	3		Dallas.....	1	

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued

PNEUMONIA (ALL FORMS).

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Kansas—Continued.		
Anniston.....	2		Topoka.....	2	
Birmingham.....		11	Wichita.....	2	1
Mobile.....		2	Kentucky:		
Montgomery.....		3	Lexington.....		5
Arizona:			Louisville.....		8
Tucson.....		4	Louisiana:		
Arkansas:			Lake Charles.....		1
North Little Rock.....		1	Monroe.....		1
California:			New Orleans.....		14
Alameda.....		1	Maine:		
Eureka.....		1	Biddeford.....		2
Eureka.....		1	Portland.....		4
Long Beach.....	3		Maryland:		
Los Angeles.....	39	14	Baltimore.....	108	39
Oakland.....		2	Cumberland.....	1	
Pasadena.....		2	Massachusetts:		
Riverside.....		1	Arlington.....		1
Sacramento.....		3	Attleboro.....		1
San Bernardino.....		2	Beverly.....		1
San Diego.....	6	4	Boston.....	44	23
San Francisco.....	21	11	Braintree.....	1	
Santa Barbara.....		1	Brookline.....		1
Colorado:			Cambridge.....	5	3
Colorado Springs.....	2	1	Chelsea.....		2
Denver.....		20	Clinton.....		1
Pueblo.....		1	Fall River.....		12
Connecticut:			Greenfield.....		1
Bridgeport.....		6	Haverhill.....	3	1
Greenwich.....	2		Holyoke.....		2
Hartford.....		1	Lawrence.....		2
Meriden.....	1		Lowell.....		6
New Britain.....		2	Lynn.....	4	2
New Haven.....		11	Malden.....	4	
New London.....		1	Marlboro.....		1
Norwalk.....		1	New Bedford.....		4
Waterbury.....		1	Newton.....		4
Delaware:			Norwood.....	1	
Wilmington.....		12	Pittsfield.....	3	2
District of Columbia:			Plymouth.....		1
Washington.....		20	Quincy.....	1	
Georgia:			Salem.....		1
Atlanta.....		7	Somerville.....	5	
Lagrange.....	3	2	Southbridge.....		1
Rome.....	3		Springfield.....	8	3
Savannah.....		3	Taunton.....		1
Illinois:			Wakefield.....	2	1
Aurora.....		1	Waltham.....		3
Bloomington.....		2	Watertown.....	1	
Chicago.....	274	81	Westfield.....		1
Danville.....	1		Winthrop.....		1
East St. Louis.....		5	Worcester.....		9
Elgin.....		1	Michigan:		
Kewanee.....		1	Ann Arbor.....	3	
La Salle.....		1	Battle Creek.....	3	
Oak Park.....	11	4	Benton Harbor.....		1
Peoria.....		5	Detroit.....	56	31
Rockford.....		2	Flint.....		4
Rock Island.....	4	2	Grand Rapids.....	6	1
Springfield.....	1		Ironwood.....	4	1
Indiana:			Kalamazoo.....	9	3
Bloomington.....		1	Muskegon.....	2	1
East Chicago.....		2	Port Huron.....	1	
Elwood.....		1	Minnesota:		
Hammond.....	3		Duluth.....	4	3
Indianapolis.....		9	Minneapolis.....		13
La Fayette.....		1	St. Paul.....		8
Logansport.....		3	Missouri:		
Marion.....		1	Kansas City.....	10	8
Mishawaka.....		1	Montana:		
Muncie.....		2	Anaconda.....		2
Newcastle.....		3	Great Falls.....	1	
South Bend.....		2	Missoula.....		1
Iowa:			Nebraska:		
Dubuque.....	1		Lincoln.....		2
Kansas:			Nevada:		
Arkansas.....	4	1	Reno.....		1
Atchison.....	1		New Hampshire:		
Coffeyville.....	1		Concord.....		2
Kansas City.....	2				

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

PNEUMONIA (ALL FORMS)—Continued.

Place.	Cases.	Deaths.	Place	Cases.	Deaths.
New Jersey:			Ohio—Continued.		
Atlantic City	5	1	Cincinnati		14
Bloomfield	1		Cleveland	64	34
Clifton	2		Cleveland Heights	1	
Elizabeth		5	Columbus		9
Englewood	2		Dayton	1	
Gloucester City	2		East Cleveland	4	
Hackensack	6	1	Hamilton		1
Harrison	1		Ironton		3
Hoboken		4	Lima		2
Irvington	2		Lorain	1	
Jersey City	7		Mansfield	1	
Kearny	3	1	Marion	1	
Montclair	2		Middletown		1
Newark	70	9	Newark		2
Orange	8	3	Norwood		1
Passaic	7	3	Portsmouth		1
Paterson	2		Salem		1
Perth Amboy		1	Springfield		5
Phillipsburg		1	Tiffin	2	
Plainfield	3	2	Toledo		7
Rahway		1	Youngstown		6
Summit		1	Zanesville		4
Trenton	15	3	Oklahoma:		
West Hoboken	1		Oklahoma City		1
West New York		1	Oregon:		
New York:			Portland		4
Albany	7		Pennsylvania:		
Buffalo	53	13	Philadelphia	154	119
Cohoes	1		Rhode Island:		
Elmira	4		Providence		7
Herkimer	2	1	South Carolina:		
Ithaca	2		Charleston		1
Jamestown	2		Tennessee:		
Lackawanna	4	1	Nashville		8
Lockport	2		Texas:		
Middletown		2	Austin		2
Mount Vernon	15	3	Beaumont		1
Newburgh	3	1	Corpus Christi		1
New York	339	252	Dallas		3
Niagara Falls	4	3	El Paso		5
North Tonawanda	3		Galveston		1
Olean		1	Utah:		
Peekskill	3		Salt Lake City		3
Port Chester	2		Virginia:		
Poughkeepsie	6	1	Alexandria	1	
Rochester	16	4	Lynchburg		2
Rome	2		Norfolk	3	2
Saratoga Springs	3	2	Petersburg		1
Schenectady		1	Richmond		12
Syracuse	10	9	Roanoke	4	
Troy	5	4	West Virginia:		
Yonkers		3	Charleston		3
North Carolina:			Huntington		2
Durham		1	Morgantown		1
Greensboro		2	Parkersburg	2	
Salisbury		1	Wheeling		3
Wilmington		4	Wisconsin:		
Ohio:			Oshkosh		1
Akron	5		Racine		2
Barberton		2	Superior		1
Canton	2	1	Wausau		1
Chillicothe	1				

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

Place.	Median for previous years.	Week ended Mar. 5, 1921.		Place.	Median for previous years.	Week ended Mar. 5, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Illinois:				Pennsylvania:			
Chicago.....	0	1		Chester.....		1	
Massachusetts:				Rhode Island:			
Boston.....	0	1		Pawtucket.....	0	1	
Newton.....	0	1		Utah:			
Michigan:				Salt Lake City.....	0		1
Detroit.....	0		1				
New Jersey:							
Newark.....	0	1					

RABIES IN ANIMALS.

Place.	Cases.	Deaths.
Georgia:		
La Grange.....	3	

RABIES IN MAN.

Place.	Cases.	Deaths.
Georgia:		
Savannah.....		1

SCARLET FEVER.

See p. 622; also Telegraphic weekly reports from States, p. 609, and Monthly summaries by States, p. 613.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

Place.	Median for previous years.	Week ended Mar. 5, 1921.		Place.	Median for previous years.	Week ended Mar. 5, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				District of Columbia:			
Anniston.....	0	1		Washington.....	0	3	
Birmingham.....	0	10		Georgia:			
Mobile.....	4	3		Atlanta.....	7	36	
Montgomery.....	0	2		La Grange.....		6	
Arkansas:				Macon.....	1	6	
Fort Smith.....	3	1		Savannah.....	0	2	
North Little Rock.....	0	1		Valdosta.....		2	
California:				Idaho:			
Long Beach.....	0	2		Boise.....	3	3	
Los Angeles.....	2	11		Illinois:			
Oakland.....	1	6		Alton.....	1	3	
Richmond.....	4	4		Bloomington.....	0	6	
Riverside.....	0	2		Blue Island.....		1	
Sacramento.....	0	2		Chicago.....	3	3	
San Bernardino.....	1	1		Danville.....	1	1	
San Francisco.....	6	62		East St. Louis.....	1	22	
Santa Cruz.....	0	1		Elgin.....	0	2	
Vallejo.....	0	1		Peoria.....	3	1	
Colorado:				Rockford.....	0	12	
Denver.....	15	15		Rock Island.....	1	7	
Pueblo.....	2	11		Springfield.....	2	7	
Trinidad.....	1	2					

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

SMALLPOX—Continued.

Place.	Median for previous years.	Week ended Mar. 5, 1921.		Place.	Median for previous years.	Week ended Mar. 5, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Indiana:				New York:			
Bloomington.....	0	1		Buffalo.....	0	1	
Crawfordsville.....		5		Niagara Falls.....	0	1	
Elkhart.....	0	8		North Carolina:			
Evansville.....	2	2		Durham.....	0	2	
Frankfort.....		5		Winston-Salem.....	3	22	
Hammond.....	0	1		North Dakota:			
Indianapolis.....	5	9		Fargo.....	0	17	
Kokomo.....	1	1		Ohio:			
La Fayette.....	0	3		Akron.....	2	17	
Logansport.....	2	1		Canton.....	1	6	
Marion.....	1	12		Chillicothe.....	0	2	
Mishawaka.....	0	1		Cleveland.....	4	4	
Muncie.....	10	2		Columbus.....	2	15	
Richmond.....	2	1		Findlay.....	1	3	
South Bend.....	1	10		Hamilton.....	1	1	
Terre Haute.....	2	9		Kenmore.....		2	
Iowa:				Lancaster.....	0	1	
Davenport.....	7	4		Lima.....	0	13	
Des Moines.....	1	13		Lorain.....	0	2	
Dubuque.....	1	5		Middletown.....	1	4	
Sioux City.....	2	35		Newark.....	0	17	
Kansas:				Norwood.....	0	1	
Fort Scott.....	0	6		Springfield.....	0	2	
Hutchinson.....	1	1		Teledo.....	1	31	
Kansas City.....	2	4		Oklahoma:			
Lawrence.....	0	1		Oklahoma City.....	12	2	
Parsons.....	1	4		Tulsa.....		6	
Salina.....	0	2		Oregon:			
Topeka.....	1	1		Portland.....	6	9	
Wichita.....	7	9		Pennsylvania:			
Kentucky:				Allentown.....	0	1	
Lexington.....	0	1		Altoona.....	0	8	
Louisville.....	2	2		Bethlehem.....	0	1	
Paducah.....	3	1		South Carolina:			
Louisiana:				Charleston.....	0	3	
Monroe.....		1		Columbia.....	0	3	
New Orleans.....	10	12	1	Tennessee:			
Maine:				Knoxville.....	1	5	
Lewiston.....		2		Nashville.....	1	6	
Massachusetts:				Texas:			
Methuen.....		1		Beaumont.....	0	2	
Salem.....		1		Dallas.....	11	7	
Michigan:				El Paso.....	0	3	
Ann Arbor.....	0	3		Galveston.....	0	2	
Battle Creek.....	0	13		Waco.....	3	10	
Detroit.....	7	56		Utah:			
Flint.....	3	3		Salt Lake City.....	3	21	
Grand Rapids.....	2	1		Virginia:			
Hamtramck.....		2		Roanoke.....	0	2	
Marquette.....	0	5		Washington:			
Muskogon.....	2	1		Bellingham.....	0	1	
Pontiac.....	1	2		Everett.....	2	1	
Minnesota:				Seattle.....	3	25	
Austin.....		6		Spokane.....	44	39	
Duluth.....	1	7		Tacoma.....	2	5	
Mankato.....	0	1		Vancouver.....	3	1	
Minneapolis.....	27	116		Yakima.....	25	4	
Rochester.....		6		West Virginia:			
St. Cloud.....	1	4		Bluefield.....	2	3	
St. Paul.....	8	46		Fairmont.....	0	1	
Winona.....	0	9		Huntington.....	1	1	
Missouri:				Martinsburg.....	0	1	
Kansas City.....	8	24		Wisconsin:			
St. Louis.....	2	29		Appleton.....	2	7	
Montana:				Green Bay.....	1	1	
Billings.....	1	1		Janesville.....	1	1	
Butte.....	3	2		Kenosha.....	0	2	
Missoula.....	0	3		La Crosse.....	0	3	
Nebraska:				Madison.....	0	5	
Lincoln.....	4	4		Marinette.....	1	6	
Omaha.....	16	15		Milwaukee.....	5	24	
Nevada:				Racine.....	0	1	
Reno.....	0	9		Sheboygan.....	1	15	
				Superior.....	1	1	
				Wausau.....	0	1	

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

TETANUS.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Georgia: Savannah.....		2	New Jersey: Atlantic City.....	1	1

TUBERCULOSIS.

See p. 622; also Telegraphic weekly reports from States, p. 609.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

Place.	Median for previous years.	Week ended Mar. 5, 1921.		Place.	Median for previous years.	Week ended Mar. 5, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New Hampshire:			
Los Angeles.....	3	1	1	Concord.....	0	1	
San Francisco.....	2	3	1	New Jersey:			
Colorado:				Paterson.....	0	1	
Denver.....	0	2		Perth Amboy.....	0	2	
Connecticut:				Plainfield.....	0	1	
Milford.....		1		New York:			
New Haven.....	0	1		Buffalo.....	3		1
District of Columbia:				Elmira.....	0	2	
Washington.....	1	1	1	Ithaca.....	0	1	
Illinois:				Lockawanna.....	0	1	
Chicago.....	5	7		New York.....	15	12	2
Mattoon.....	0	1		North Tonawanda.....	0	2	
Peoria.....	0		1	Rochester.....	0	5	
Springfield.....	0	1		Schenectady.....	0	2	
Indiana:				Troy.....	1		1
Indianapolis.....	0	3		Ohio:			
Muncie.....	0	1		Lorain.....	0	1	
Kansas:				Springfield.....	0		1
Fort Scott.....	0		1	Oregon:			
Louisiana:				Portland.....	0	1	
New Orleans.....	1	3		Pennsylvania:			
Maine:				Butler.....	0	1	
Portland.....	0	3		McKeesport.....	0	3	
Maryland:				Philadelphia.....	5	2	
Baltimore.....	5	1		South Carolina:			
Massachusetts:				Charleston.....	1	1	1
Beverly.....	0	1		Tennessee:			
Boston.....	2	5		Knoxville.....	0	1	
Fall River.....	1	1		Texas:			
Lawrence.....	1	2		Galveston.....	0	1	
Lowell.....	0	1		Virginia:			
Lynn.....	0	1		Norfolk.....	0	1	
Michigan:				West Virginia:			
Detroit.....	5	1		Bluefield.....	0	1	
Grand Rapids.....	2	1		Wheeling.....	0		1
Kalamazoo.....	0	1	1	Wisconsin:			
Port Huron.....	0	1		Sheboygan.....	0	1	
Missouri:				Superior.....	0	2	
Independence.....	0		1	Wausau.....	0	1	1
St. Louis.....	2	1					

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

Place.	Popula- tion January 1, 1920, subject to cor- rection.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Anniston.....	17, 734								1	
Birmingham.....	178, 270	57	1		3				4	
Mobile.....	60, 151	20	1		2					5
Montgomery.....	43, 464	22								1
Arizona:										
Tucson.....	20, 292	21								12
Arkansas:										
Fort Smith.....	28, 811		3		125					
Little Rock.....	64, 997				56				2	
North Little Rock.....	14, 048	5			1					
California:										
Alameda.....	28, 806	4	3		2					
Eureka.....	12, 923	7					10		4	
Long Beach.....	55, 593	15	4	1	16		4		1	1
Los Angeles.....	576, 673	200	39	2	319		18		86	24
Oakland.....	216, 361	45	2		4		5		4	3
Pasadena.....	45, 354	11			59		1		2	1
Richmond.....	16, 843	1								
Riverside.....	19, 341	7			67					4
Sacramento.....	65, 857	21	3				1		4	5
San Bernardino.....	18, 721	7	1		6					1
San Diego.....	74, 683	39	4		7		3		12	2
San Francisco.....	508, 410	130	17		35		19		21	11
Santa Barbara.....	19, 441	4								1
Santa Cruz.....	10, 917	4	1							
Vallejo.....	21, 107	3			1		3			
Colorado:										
Colorado Springs.....	30, 105	3			50		2		8	2
Denver.....	256, 369	81	15	1	303	3	18	1		12
Greeley.....	10, 883	2								1
Pueblo.....	42, 908	14	6	2	31		5		1	
Trinidad.....	10, 906				15		1			
Connecticut:										
Bridgeport.....	143, 538	32	8		1		8		1	2
Danbury (town).....	22, 325	8								
Fairfield (town).....	11, 475								1	
Greenwich.....	22, 123		2		71					
Hartford.....	138, 036	30	11		8		5		11	
Manchester.....	18, 370	4			5				1	
Meriden (city).....	29, 842				2		3			
Milford (town).....	10, 193	0								
New Britain.....	59, 316	9	3		20		2			
New Haven.....	162, 519	56	11		7		42	1	10	5
New London.....	25, 688	8	1				3			
Norwalk.....	27, 700	9	2							2
Norwich (city).....	22, 304		1						1	
Waterbury.....	91, 410	13	3		9		10		1	1
Delaware:										
Wilmington.....	110, 168	24	2				12			4
District of Columbia:										
Washington.....	437, 571	141	21		220	1	44		23	14
Georgia:										
Atlanta.....	200, 616	48	4		37		6	1	6	6
Brunswick.....	14, 413	1								
La Grange.....	17, 038	3			82					
Macon.....	52, 995		1		1		3			
Rome.....	13, 252						1		1	
Savannah.....	83, 252	21	3						1	1
Valdosta.....	10, 783								1	
Idaho:										
Boise.....	21, 393	3			11		2			
Illinois:										
Alton.....	21, 682	6			6				1	1
Aurora.....	35, 397	13			2					
Bloomington.....	28, 725	12					7		2	1
Blue Island.....	11, 424	6					1	1		
Centralia.....	12, 491	5	2				1			
Chicago.....	2, 701, 705	729	203	15	408	6	168	3	276	68
Danville.....	33, 750	10	1		1		2		3	
East St. Louis.....	66, 740	13	1				8			
Elgin.....	27, 454	10			55		1			2
Evanston.....	37, 215	10	10				2			
Forest Park.....	10, 768	2			6		2			

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

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

Place.	Popula- tion January 1, 1920, subject to cor- rection.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
Galesburg.....	23,831	5	1		27		1		1	
Kewanee.....	16,026	4	7		14		10			
La Salle.....	13,050	4							1	
Mattoon.....	13,552						1		2	
Oak Park.....	39,530	20	4		121		12		1	
Pekin.....	12,086		2				4			
Peoria.....	76,121	32	4				25		3	
Rockford.....	65,651	25	1		15		17			
Rock Island.....	35,177	6	1		2					
Springfield.....	59,183	18			3		31	2		
Indiana:										
Bloomington.....	11,595	2								
Crawfordsville.....	10,139	2					4			
East Chicago.....	35,967	5								
Elkhart.....	24,277	2	1				5			
Elwood.....	10,790	8								1
Evansville.....	85,264	22	4		1		2			
Frankfort.....	11,385	5					2	1		
Hammond.....	36,004	13	3				4			
Huntington.....	14,000	5	1		6		8			
Indianapolis.....	314,194	64	8	1	1		57		16	4
Kokomo.....	30,067	4	1				1			
La Fayette.....	22,486	4	3						1	
Logansport.....	21,626	11								
Marion.....	23,747	6	2				2			
Mishawaka.....	15,195	3								
Muncie.....	36,621	10	4				8			2
Newcastle.....	14,458	7							2	
Richmond.....	26,765	6					2		2	
South Bend.....	70,983	8	2		1		1			
Terre Haute.....	66,083	21	1		1		11		1	1
Iowa:										
Davenport.....	56,727				2		9			
Des Moines.....	126,468		4		2		2			
Dubuque.....	39,141				3		1			
Iowa City.....	11,267		3							
Keokuk.....	14,423				46					
Marshalltown.....	15,731				13		9			
Muscatine.....	16,068	4			18					
Sioux City.....	71,227		2				5			
Kansas:										
Arkansas City.....	11,253	1			7					
Atchison.....	12,630				1		3			
Coffeyville.....	13,452	2	2		1		1			
Fort Scott.....	10,693	3	2		1		2			
Hutchinson.....	23,298		4		19		6			
Kansas City.....	101,177		1		13				6	
Lawrence.....	12,456	4			2		1			
Leavenworth.....	16,912	5	3		4		1			
Parsons.....	16,028	3			1		1			
Salina.....	15,085	3	4		6		1			
Topeka.....	50,022	12			27	1	3		5	
Wichita.....	72,128	21	4		96		8		6	
Kentucky:										
Covington.....	57,121	17					5		3	3
Lexington.....	41,531	18					2		2	
Louisville.....	231,891	55	7		4		26		3	5
Paducah.....	24,735		2							
Louisiana:										
Lake Charles.....	13,088	8					3			
Monroe.....	12,675	4	1		3					
New Orleans.....	387,219	111	9		21		7		19	15
Maine:										
Auburn.....	16,985	1			5					
Biddeford.....	18,008	10			3					
Lewiston.....	31,791	7	5	1	4					
Portland.....	69,272	21			50		2			1
Sanford.....	10,691	1								
Waterville.....	13,351		7		2					
Maryland:										
Baltimore.....	733,826	224	23	3	45	1	23		40	18
Cumberland.....	29,837	12	1				1		2	1

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

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

Place.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts:										
Adams.....	12,967	1					1			
Amesbury.....	10,036	1								
Arlington.....	18,665	1					11		1	
Attleboro.....	19,731	8	1				1		1	1
Belmont.....	10,749	2								
Beverly.....	22,561	5								
Boston.....	748,060	217	60	2	77	2	61	1	54	21
Braintree.....	10,590	5	1		1		5			5
Brookline.....	37,748	10	3		4		1			1
Cambridge.....	109,694	29	4	1	59		6		6	1
Chelsea.....	43,184	13	3		7		7			1
Clinton.....	12,979	3			6		1			1
Danvers.....	11,108		1		1		1		1	
Easthampton.....	11,261	2	4	1	1			1	1	1
Everett.....	40,120	6			5		9		1	1
Fall River.....	120,485	42	5	3	18	3			7	3
Greenfield.....	15,462	5	1				10		1	
Haverhill.....	53,884	13	1				4		2	2
Lawrence.....	94,270	20	3		1		4		8	2
Leominster.....	19,744	9	1		19					1
Lowell.....	112,479	36	3		74		4		3	2
Lynn.....	99,148	26	6		1		4			4
Malden.....	49,103	14	2		1		6		1	1
Medford.....	39,038	3	2		3		5			1
Melrose.....	18,204	4	1				1		3	
Methuen.....	15,180	8								
New Bedford.....	121,217	37	4		2		12		7	7
Newburyport.....	15,618	5								
Newton.....	46,054	18			2		4		4	1
North Adams.....	22,282	5			9		1		1	
Northampton.....	21,951	13	1		5				1	
Norwood.....	12,627	4			2		1		1	
Pittsfield.....	41,751	11	1		4		3	1		
Plymouth.....	13,045	6			2		3		3	2
Quincy.....	47,876	9	2							
Salem.....	42,529	15			16		3		3	2
Somerville.....	93,091	25	3	1			8		4	1
Southbridge.....	14,245	1								
Springfield.....	129,563	30			19		7		3	1
Taunton.....	37,137	19	2		8		4		3	2
Wakefield.....	13,025	2							1	
Waltham.....	30,915	18	3				6			
Watertown.....	21,457	5			1		1			
Westfield.....	18,604	3								
Winthrop.....	15,455	3					1			
Woburn.....	16,574	3								
Worcester.....	179,754	50	2		54		6		10	6
Michigan:										
Alpena.....	11,101	0								
Ann Arbor.....	19,516	12	1				2			1
Battle Creek.....	36,164		6	1	1		5			
Benton Harbor.....	12,233	1								
Detroit.....	993,739	202	114	10	36		93	2	50	16
Flint.....	91,590	21	4	1	1		16	1		
Grand Rapids.....	137,634	33	11	1	2		9		10	2
Hamtramck.....	48,615	8	2		1					1
Ironwood.....	15,739	5			3				5	1
Kalamazoo.....	48,858	26					20		5	3
Marquette.....	12,713	2							1	
Muskegon.....	36,570	5	1				3		1	1
Pontiac.....	34,273	8					3		3	
Port Huron.....	25,944	14					2			1
Saginaw.....	61,903	21	4	1			1		1	1
Minnesota:										
Austin.....	10,118	4								
Duluth.....	98,917	26	4	1	7		12		4	
Hibbing.....	15,089		1							
Mankato.....	12,469	6								
Minneapolis.....	380,582	95	14		3		69	1	27	5
Rochester.....	13,722	1			6		1		1	
St. Cloud.....	18,873				12					
St. Paul.....	234,595	65	31	2	1		20		15	7
Winona.....	19,143						1			

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

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

Place.	Population January 1, 1920, subject to cor- rection.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Missouri:										
Independence.....	11,636	8	1							
Kansas City.....	324,410	77	21	1				8		6
St. Joseph.....	77,939	28			14		1			3
St. Louis.....	772,897	218	96	5	12		46		41	8
Montana:										
Anaconda.....	11,668	7								
Billings.....	15,100	3	1		19					
Butte.....	41,611	14	1		1					3
Great Falls.....	24,121	1	1		34		2		1	
Missoula.....	12,668	4			16		1		1	
Nebraska:										
Lincoln.....	54,934	24	1				10			
Nevada:										
Reno.....	12,016	5			1					
New Hampshire:										
Berlin.....	16,104	4								
Concord.....	22,167	11								
Dover.....	13,029	6			2					1
Keene.....	11,210	2			1				7	
Manchester.....	78,384	17	3	1			3		4	1
Nashua.....	28,379	3					3		4	
New Jersey:										
Asbury Park.....	12,400	6								
Atlantic City.....	50,682	11			4		11		1	
Bayonne.....	76,754		3				13			
Belleville.....	15,630				2		1		2	
Bloomfield.....	22,019	1			4		8		3	
Clifton.....	26,470	4	1		6		6		1	1
Elizabeth.....	95,682		7	2	6		5		2	2
Englewood.....	11,627	3					2		1	
Garfield.....	19,331				1		1			
Gloucester City.....	12,162		3						4	
Hackensack.....	17,667	6	2				1			
Harrison.....	15,721								4	
Hoboken.....	68,166	25	5		4		2		1	3
Irvington.....	25,480						5			
Jersey City.....	297,861		21		24		24		5	
Kearny.....	26,724	4	3		10		1			
Montclair.....	28,810	5			10		1			
Morristown.....	12,548	5			1		5			
New Brunswick.....	32,779		11		2		3		1	
Nowark.....	414,216	117	21		17		55		32	8
Orange.....	33,268	7			2		2			
Passaic.....	63,824	13			22		7		1	
Paterson.....	135,886		14		1		18			
Perth Amboy.....	41,707	10	6		3		14		1	
Phillipsburg.....	16,923	6								
Plainfield.....	27,700	5			12		3			1
Rahway.....	11,042	4	2				1			
Summit.....	10,174	3	1	1			1			
Trenton.....	119,280	28	4		14		12		5	2
Union.....	20,651		1						1	
West Hoboken.....	40,068	2			1					
West New York.....	29,928	5	2		2				1	
West Orange.....	15,573	2			2		1			
New York:										
Albany.....	113,344		2		60		6		7	
Buffalo.....	506,775	161	62	5	49	5	27	2	28	5
Cohoes.....	22,987	8		1						1
Elmira.....	45,305	9	2							
Geneva.....	14,648	3								1
Glens Falls.....	16,638	7			22		1			
Herkimer.....	10,453	2								
Ithaca.....	17,004	6			14		4			1
Jamestown.....	38,917	9	1		3		2		1	
Lackawanna.....	17,918	1	1		12		4			
Lockport.....	21,308	7			21					
Middletown.....	18,420	2	1		4		1		1	
Mount Vernon.....	42,726	13	2		2				1	
Newburgh.....	30,396	14					5	1		1
New York.....	5,621,151	1,534	470	42	202	7	522	18	1271	124

¹ Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

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

Place.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
Niagara Falls.....	50,760	15	3	1	5		17		3	
North Tonawanda.....	13,482	7	5		5					
Olean.....	20,506	4			5					
Peekskill.....	13,988						2		1	1
Port Chester.....	16,573	1			24		4		2	
Poughkeepsie.....	35,000	7	2		1		2			
Rochester.....	295,750	86	47	2	3		35	3	20	3
Rome.....	26,341		2		21		2			
Saratoga Springs.....	13,181	5			84				1	
Schenectady.....	88,723	24	1		10		2		3	4
Syracuse.....	171,717	57	27	3	65	1	20		5	3
Troy.....	72,013	31	2		87				5	
Yonkers.....	100,226	27			5		6	1	5	3
North Carolina:										
Durham.....	21,719	3	2		1					
Greensboro.....	19,861	19								1
Rocky Mount.....	12,742	6				1				
Salisbury.....	13,884	7			4					
Wilmington.....	33,372	15			190					
Winston-Salem.....	48,395	17			138				1	3
North Dakota:										
Fargo.....	21,961	15			28		2			
Ohio:										
Akron.....	208,435	54	8		11		12		1	
Alliance.....	21,603	6	4				4			1
Barberton.....	18,811	7			1					
Canton.....	87,091	27	7		10				4	1
Chillicothe.....	15,831	2					3			
Cincinnati.....	401,247	133	13	3	11	1	20	1	18	23
Cleveland.....	796,836		20	4	28		53	2	14	16
Cleveland Heights.....	15,236				9		2			
Columbus.....	237,031	67	15	2	3		14	1	4	7
Dayton.....	152,559	40	1		1		2		3	
East Cleveland.....	27,292		1				2		1	
Findlay.....	17,021	6								1
Freemont.....	12,468	2					1			
Hamilton.....	39,675	12					11			
Ironton.....	14,007	7					6			1
Lancaster.....	14,706	7			5					1
Lima.....	41,306	21			1		1		2	4
Lorain.....	37,295		2		2				2	
Mansfield.....	27,824	6							1	1
Middletown.....	23,594	5			2					
Newark.....	26,718	10	5						1	
New Philadelphia.....	10,718		3				1			
Niles.....	13,090	2	1	1	12			1		1
Norwood.....	24,966	3	1				3		3	1
Piqua.....	15,044	3								2
Portsmouth.....	33,011	9	1							
Salem.....	10,305	2					2			
Sandusky.....	22,897	5								
Springfield.....	60,840	16	1		3		7		4	2
Steubenville.....	28,508	12					3			
Tiffin.....	14,375	3							1	
Toledo.....	243,109	54	28	1	1		8	1	1	4
Youngstown.....	132,358	33	2	1	43		7	1		1
Zanesville.....	29,569	8							1	1
Oklahoma:										
Oklahoma City.....	91,258	23	2	1	1		4	1		1
Tulsa.....	72,075	1	1	1	1					
Oregon:										
Portland.....	258,288	56	18	1	115		3		4	2
Pennsylvania:										
Allentown.....	73,502		9		29		19		1	
Altoona.....	60,331				18		1			
Ambridge.....	12,730				14					
Beaver Falls.....	12,802				3					
Berwick.....	12,181		1		2		4			
Bethlehem.....	50,358		3		29		31			
Bradock.....	20,879		5		4		1			
Bradford.....	15,325				1		1			
Bristol.....	10,273						2			

CITY REPORTS FOR WEEK ENDED MAR. 5, 1921—Continued.

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

Place.	Population January 1, 1920, subject to cor- rection.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Butler.....	23, 778				14		2			
Carbondale.....	18, 640						1			
Carnegie.....	11, 516						1			
Carrack.....	10, 504						1			
Chambersburg.....	13, 171				2					
Chester.....	58, 030		1		2					2
Coatesville.....	14, 515								12	3
Connellsville.....	13, 804				2		5			2
Dickson City.....	11, 049		2							2
Dubois.....	13, 681		3							
Easton.....	33, 813		2		17		2			1
Erie.....	93, 372		1		36		6			4
Greensburg.....	15, 033		2		1		2			
Harrisburg.....	75, 917				4		4			
Hazleton.....	52, 277		2		2		2			
Jeannette.....	10, 627		1							
Johnstown.....	67, 527		5		20		5			
Lancaster.....	53, 150		11				3			1
Lebanon.....	24, 643		3							
McKeesport.....	45, 975		4		4		1			
Mahanoy City.....	15, 599		1							
Meadville.....	14, 568		1		17					
Monessen.....	18, 179		2		19		1			1
Mount Carmel.....	17, 469		1		11					
Nanticoke.....	22, 614				2		3			
New Castle.....	44, 938		1				2			6
Norristown.....	32, 319		2				19			
North Braddock.....	14, 928		2		3		1			1
Oil City.....	21, 274		5		3					1
Philadelphia.....	1, 823, 158	615	92	6	67	4	242	7	82	50
Pittsburgh.....	588, 193		24		73		38			
Pittston.....	18, 497				1					
Plymouth.....	16, 500		1		3					1
Pottsville.....	21, 876				9					
Reading.....	107, 784		11		9		11			1
Scranton.....	137, 783		1		15		8			
Shamokin.....	21, 204		1				2			
Shenandoah.....	24, 726									
Steelton.....	13, 428		3							1
Uniontown.....	15, 692						7			
Warren.....	14, 256				1		2			
Washington.....	21, 480				2		2			2
West Chester.....	11, 717		1				1			
Wilkes-Barre.....	73, 833		8		59					1
Williamsport.....	36, 198				2		3			
Woodlawn.....	12, 495						1			1
York.....	47, 512		9				2			2
Rhode Island:										
Cranston.....	29, 407	6	2	1	7		3			
East Providence (town).....	21, 793		1							
Newport.....	30, 255	5					4			1
Pawtucket.....	64, 248	11	1				2			2
Providence.....	237, 595	67	12	1	95	4	11			
South Carolina:										
Charleston.....	67, 957	29	1							5
Columbia.....	37, 524		1		27					1
South Dakota:										
Sioux Falls.....	25, 176	2					4			
Tennessee:										
Knoxville.....	77, 818		2		5					1
Nashville.....	118, 342	59	1		1		9			1
Texas:										
Austin.....	34, 876	20	1							1
Beaumont.....	40, 422	2								1
Corpus Christi.....	10, 522	2								
Dallas.....	158, 976	40	4		69	1	1			6
El Paso.....	77, 543	41					2			15
Galveston.....	44, 255	9	1							1
Waco.....	38, 500	9			1					3
Utah:										
Salt Lake City.....	118, 110	40	7		57		6			7

FOREIGN AND INSULAR.

CANADA.

Communicable Diseases—Province of Ontario—January, 1921.

The following table shows the number of reported cases of communicable diseases occurring in the Province of Ontario, Canada, during the month of January, 1921, as compared with the same month of the year 1920. The number of fatalities from these diseases is also shown. Estimated population, 1920, 2,523,200.

Disease.	January, 1921.		January, 1920.	
	Cases.	Deaths.	Cases.	Deaths.
Cerebro-spinal meningitis.....	2	2	8	7
Diphtheria.....	876	63	636	70
Measles.....	595	9	1,296	16
Pneumonia (with influenza).....	34	18	669	24
Pneumonia (primary).....		271		297
Polio-myelitis (infantile paralysis).....	3	3	2	
Scarlet fever.....	613	17	642	21
Smallpox.....	902	3	1,188	6
Tuberculosis.....	166	114	145	135
Whooping cough.....	386	9	162	19

The occurrence of smallpox in the Province of Ontario during the month of January, 1921, was reported in 40 counties and 108 municipalities. The largest number of cases was reported at Ottawa, viz, 252, with one fatality.

Venereal diseases were reported in the Province of Ontario as follows: January, 1921—Cases: Chancroid, 12; gonorrhoea, 245; syphilis, 195. January, 1920—Cases: Chancroid, 3; gonorrhoea, 94; syphilis, 112.

CHILE.

Epidemic Smallpox—Iquique.

Epidemic smallpox, with a high death rate, was reported at Iquique, Chile, March 16, 1921.

CHINA.

Plague—Chihli Province—Manchuria.

Plague in pneumonic form was reported present, March 12, 1921, in Chihli Province, on the Tientsin and Tukow Railroad, 70 miles east of Tientsin.

In Manchuria, to March 14, 1921, 4,000 fatal cases of pneumonic plague were reported in the country west of Harbin. On March 10, 43 fatal cases of plague were reported at Harbin.

CUBA.

Smallpox and Alastrim Reported Present—Santiago.

Under date of March 8, 1921, alastrim was reported present in Santiago, Cuba, with an estimated number of from 1,200 to 2,000 cases.

From February 10–20, 1921, 75 cases of smallpox, with 4 deaths, were reported in Santiago.

JAMAICA.

Infectious Disease (Alastrim or Kaffir Pox).¹

During the two weeks ended February 26, 1921, 565 new cases of alastrim or Kaffir pox were reported in the island of Jamaica.

MADAGASCAR.

Plague—Tamatave.

Plague was reported present at Tamatave, Madagascar, March 9, 1921.

POLAND.

Cholera—Typhus Fever—November–December, 1920—January, 1921.

Information supplied by the Ministry of Public Health of Poland, received under date of March 1, 1921, shows the reported occurrence of cholera and typhus fever in Poland, as follows: *Cholera*, November 1–30, 1920, Province of Galicia, 19 cases with 11 fatalities; Warsaw 7 cases with 2 fatalities. *Typhus fever*, for all Poland, month of December, 1920, 4,644 cases with 550 fatalities; month of January, 1921, 5,308 cases with 597 fatalities. More than 60 per cent of the cases of typhus fever and more than 70 per cent of the fatalities were stated to have occurred in the Province of Galicia.

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

Reports Received During Week Ended Mar. 25, 1921.²

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ind a:				
Bombay.....	Jan. 16-22.....	1		
Madras.....	Jan. 30-Feb. 5.....	35	15	
Rangoon.....	Jan. 16-22.....	2	2	
Java:				
West Java—				
Batavia.....	Nov. 25-Dec. 1.....	1		
Philippine Islands:				
Manila.....	Jan. 16-29.....	4		
Poland:				
Galicia.....	Nov. 1-30.....	10	11	Province.
Warsaw.....	do.....	7	2	

¹ Report for week ended Jan. 13, 1921, Public Health Reports, Feb. 11, 1921, p. 265, should have been quoted for week ended Jan. 8, 1921.

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

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

Reports Received During Week Ended Mar. 25, 1921—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Argentina:				
Rosario.....				Jan. 1-31, 1921: 3 plague rodents.
Brazil:				
Bahia.....	Jan. 23-29.....	1		
Porto Alegre.....	do.....		1	
Ceylon:				
Colombo.....	do.....	15	14	
China:				
Chihli Province.....	Mar. 12.....			Present on Tientsin and Tukow R. R., 70 miles east of Tientsin. Pneumonic.
Manchuria Province—				
Harbin.....	Mar. 10.....		43	To Mar. 14, 1921, in country west of Harbin, 4,000 fatal cases.
Ecuador:				
Guayaquil.....	Jan. 16-31.....	44	16	
Do.....	Feb. 1-15.....	42	14	
Egypt:				Jan. 1-27, 1921: Cases, 10; deaths, 9.
Cities—				
Alexandria.....	Jan. 22.....		1	
Port Said.....	do.....		1	
Suez.....	Jan. 22-26.....		4	Pneumonic, 2 cases; septicemic, 1 case.
India.....				Jan. 16-22, 1921: Cases, 2,707; deaths, 2,154.
Bombay.....	Jan. 16-22.....	4	3	
Madras Presidency.....	Jan. 30-Feb. 5.....	1,201	784	
Bangoon.....	Jan. 16-22.....	13	13	
Madagascar:				
Tamatave.....	Mar. 9.....			Present.
Peru:				
Libertad Department—				
Trujillo-Salaverry.....	Jan. 31-Feb. 13.....	7	1	
Tunis:				
Ben Gardane.....				June-July, 1920: Cases, 6. November-December, 1920: Cases, 10, in surrounding territory.

SMALLPOX.

Austria.....				Nov. 21-Dec. 25, 1920: Cases, 13.
Brazil:				
Pernambuco.....	Dec. 20-26.....	5		
Do.....	Dec. 27-Jan. 16.....	26		
Canada:				
Alberta—				
Calgary.....	Feb. 13-19.....	1		
British Columbia—				
Vancouver.....	Feb. 6-26.....	5		
Victoria.....	Feb. 27-Mar. 5.....	2		
New Brunswick—				
St. Stephen.....	do.....	1		
Nova Scotia—				
Yarmouth.....	do.....	4		
Ontario.....				November-December, 1920: Cases, 992; deaths, 5. Jan. 1-31, 1921: Cases, 902; deaths, 3.
Hamilton.....	Mar. 6-12.....	6		
London.....	Feb. 20-Mar. 5.....	8		
Ottawa.....	Feb. 20-Mar. 12.....	130		
Peterborough.....	Jan. 30-Feb. 5.....	1		
Sarnia.....	Feb. 27-Mar. 5.....	1		
Toronto.....	Feb. 27-Mar. 12.....	13		
Saskatchewan:				
Moose Jaw.....	Feb. 27-Mar. 5.....	4		
Regina.....	do.....	5		
Ceylon:				
Colombo.....	Jan. 23-29.....	3		
Chile:				
Iquique.....	Mar. 16.....			Epidemic with high mortality.
China:				
Amoy.....	Jan. 16-22.....		1	
Antung.....	Feb. 7-13.....		1	
Chungking.....	Jan. 9-22.....			Present.
Foochow.....	Jan. 16-29.....			Do.
Nanking.....	Jan. 30-Feb. 5.....			Do.

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

Reports Received During Week Ended Mar. 25, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Colombia: Santa Marta	Feb. 20-26			Present.
Cuba: Antilla	Feb. 20-Mar. 5	16		For Preston district.
Nuevitas	Feb. 28-Mar. 6	3		
Santiago	Feb. 10-20	75	4	
Dominican Republic: Santo Domingo	Feb. 13-19	1		
Ecuador: Guayaquil	Jan. 16-31	8		
Do.	Feb. 1-15	12		
Egypt: Alexandria	Jan. 29-Feb. 4	1		
France: Paris	Jan. 1-10	1		
Rouen	Jan. 23-Feb. 12	3		
Great Britain: Glasgow	Feb. 13-19	1		
Liverpool	Jan. 30-Feb. 5	1		
Haiti: Cape Haitien	Feb. 13-26	14		
Honduras: Ceiba	Feb. 20-26	1		
India: Bombay	Jan. 16-22	10	2	
Madras	Jan. 30-Feb. 5	4		
Italy: Messina	Jan. 24-30	3	2	In Province, cases, 5.
Java: West Java— Bandoeng	Nov. 19-25	1		
Batavia	do.	2	1	
Indramayoe	do.	1		
Krawang	do.	1		
Jugoslavia: Zagreb	Jan. 3-Feb. 5	1	1	
Madeira: Funchal	Feb. 13-19		1	
Mexico: Mexico City	Jan. 16-Feb. 5	17		City and district.
Norway: Stavanger	Jan. 23-29	3		
Panama: Colon	Feb. 23-Mar. 1	6		
Portugal: Lisbon	Jan. 30-Feb. 5		2	
Portuguese East Africa: Gaza District	Dec. 18-23			Present.
Inhambane District	Dec. 26-Jan. 1			Do.
Russia: Latvia— Riga	Nov. 1-30	13		
Spain: Madrid	Feb. 6-13		1	
Tarragona	Feb. 13-19		1	
Syria: Aleppo	Jan. 23-Feb. 5			Do.
Tunis: Tunis	Feb. 12-18	5	2	
Turkey: Constantinople	Feb. 6-12	4		
Uruguay: Montevideo	Dec. 1-31	6	2	

TYPHUS FEVER.

Czechoslovakia: Prague	Feb. 1-7	1	
Egypt: Alexandria	Jan. 29-Feb. 4	3	
Great Britain: Dublin	Feb. 13-19	1	
Hungary: Budapest	Nov. 8-Dec. 5	2	

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

Reports Received During Week Ended Mar. 25, 1921—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Japan:				
Nagasaki.....	Feb. 7-13.....	1		
Jugoslavia:				
Zagreb.....	Jan. 30-Feb. 5.....	1		
Mexico:				
Mexico City.....	Jan. 16-Feb. 5.....	41		City and district.
Poland.....				Dec. 1-31, 1920: Cases, 4,644; deaths, 550. Jan. 1-31, 1921: Cases, 5,308; deaths, 597.
Russia:				
Latvia—				
Riga.....	Nov. 1-30.....	71		
Do.....	Jan. 1-7.....	21		
Turkey:				
Constantinople.....	Feb. 6-19.....	8		

Reports Received from Jan. 1 to Mar. 18, 1921.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Canton.....	Nov. 1-30.....	7	6	
Changsha.....	Nov. 29.....			Present.
Chungking.....	do.....			Do.
Chosen (Korea).....				Aug. 1-Dec. 2, 1920: Cases, 24,017; deaths, 13,329.
India.....				Sept. 28-Oct. 9, 1920: Deaths, 2,672. Oct. 31-Dec. 11, 1920: Deaths, 7,184.
Bombay.....	Dec. 5-11.....	1	1	
Calcutta.....	Oct. 31-Dec. 25.....	321	283	
Do.....	Dec. 26-Jan. 29.....	274	238	
Madras.....	Dec. 12-18.....	3	1	
Do.....	Dec. 26-Jan. 29.....	21	7	
Rangoon.....	Nov. 28-Dec. 25.....	9	8	
Do.....	Dec. 26-Jan. 15.....	13	12	
Indo-China.....				July 1-31, 1920: Cases, 136; deaths, 98.
Saigon.....	Dec. 27-Jan. 9.....	1	1	Including surrounding country.
Japan:				
Taiwan Island (Formosa).....	Nov. 11-Dec. 31.....	219	93	
Do.....	Jan. 1-20.....	2		
Java:				
West Java—				
Bandoeng.....	Oct. 29-Nov. 11.....	2	1	
Philippine Islands:				
Maui.....	Nov. 7-Dec. 25.....	9		
Do.....	Jan. 9-15.....	1		
Provinces—				
Cagayan.....	Oct. 3-Nov. 20.....	11	9	
Samar.....	Aug. 1-7.....	1	1	
Poland.....				
Eastern frontier—				
Bialystok.....	Dec. 16.....			Present.
Grodno.....	do.....			Do.
Olitza.....	do.....			Do.
Posen.....	do.....			Present in Russian prison camp.
Stralkowo.....	do.....			
Strelno.....	do.....	1	1	
Warsaw.....	Oct. 1-31.....	2		In district.
Do.....	Dec. 16.....	5		
Russia:				
Lithuania.....				Feb. 19, 1921: Cases reported, 35; mortality, 30 per cent.
Riga.....	Jan. 22.....			Present.
Siam:				
Bangkok.....	Oct. 9-Nov. 7.....	7	1	
Do.....	Dec. 26-Jan. 1.....	1		

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Nov. 1-Dec. 31....	3	1	
Do.....	Jan. 1-31.....	3	1	
Azores:				
St. Michaels.....				Total, Oct. 1-Dec. 10, 1920: Cases, 149; deaths, 49. In vicinity of Ponta Delgada.
Brazil:				
Bahia.....	Oct. 31-Dec. 18....	6	4	
Do.....	Dec. 23-Jan. 15....	8	6	
Ceara.....	Oct. 17-Dec. 26....	5	5	
Pernambuco.....	Oct. 18-Dec. 5....	11	3	
Porto Alegre.....	Nov. 14-Dec. 11....	2	2	
Do.....	Dec. 23-Jan. 15....	5	5	
British East Africa—				
Kenya Colony—				Outbreak Nov. 8, 1920: Cases reported, 1,037.
Kisumu.....	Oct. 31-Dec. 25....			Present.
Mombassa.....	do.....	2	2	
Nairobi.....	Oct. 31-Dec. 25....	16	11	
Uganda.....	do.....	111	103	Entire protectorate.
Do.....	July 1-Nov. 5....	259	63	Do.
Ceylon:				
Colombo.....	Nov. 7-Dec. 18....	81	60	
Do.....	Jan. 18-22.....	20	14	
Chile:				
Antofagasta.....	Nov. 24-Dec. 5....	6	2	
Do.....	Dec. 27-Jan. 2....	2		
China:				
Fan Yuan.....	Mar. 3.....		50	In Northern Shantung Province.
Hon'kong.....	Nov. 7-Dec. 18....	6	6	
Do.....	Jan. 9-15.....	1	1	
Kwan'ung Province.....	Dec. 29.....			Reported present in Tapu district.
Manchuria Province—				
Harbin.....	Feb. 2.....		15	West of Harbin, Feb. 7, 1921, 400 fatal cases reported. Feb. 14, 1921, fatal cases, 1,200. To Mar. 9, 1921: 3,000 fatal cases. Pneumonic.
Manchuria station.....	do.....		203	Present.
Tsitsihar.....	do.....			Two plague rats found, Dec. 20 and Dec. 31, 1920.
Shanghai.....				
Ecuador:				
Guayaquil.....	Nov. 16-Dec. 31....	111	36	
Do.....	Jan. 1-15.....	49	17	
Egypt:				
Cities—				Jan. 1-Dec. 30, 1920: Cases, 462; deaths, 269. Jan. 1-13, 1921: Cases, 2; deaths, 2.
Port Said.....	Oct. 22-28.....	1	1	
Suez.....	Nov. 18-27.....	10	3	
Do.....	Jan. 5-9.....	2	2	
Province—				
Assiout.....	Nov. 24.....	3	2	
France:				
Marseille.....	June-Aug. 31.....	58	20	In suburbs, June-Nov. 2, 1920: Cases, 38; deaths, 19.
Paris.....	June-Oct. 15.....	50	11	Jan. 1-13, 1921: Cases, 3; deaths, 1. (Suspect.)
Do.....				
Great Britain:				
Dublin.....				1 case reported Dec. 15, 1920; date of occurrence, Oct. 18, 1920. Plague-infected rat found, period Nov. 28-Dec. 11, 1920.
Liverpool.....				
Greece:				
Kavala.....	Oct. 23-Nov. 7....	2		
India:				
Bombay.....	Nov. 28-Dec. 25....	5	5	Oct. 24-Dec. 25, 1920: Cases, 21,376; deaths, 14,871. Jan. 2-15, 1921: Cases, 6,130; deaths, 4,706.
Do.....	Dec. 23-Jan. 1....	1	1	
Calcutta.....	Nov. 14-20.....	26	44	
Karachi.....	Dec. 25-31.....	2	2	
Madras.....	Dec. 5-25.....	7	4	
Do.....	Jan. 9-29.....	3	1	
Madras Presidency.....	Nov. 14-Dec. 25....	4,349	2,991	
Do.....	Dec. 23-Jan. 29....	4,525	3,279	
Rangoon.....	Oct. 31-Dec. 25....	30	28	
Do.....	Dec. 26-Jan. 8....	13	11	

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China.....				July 1-31, 1920: Cases, 98; deaths, 74.
Saigon.....	Dec. 27-Jan. 9.....	2	2	Including surrounding country.
Java:				
West Java—				
Batavia.....	Nov. 21-Dec. 1.....	3	3	
Jugoslavia:				
Bocche di Cattaro.....	Feb. 23.....	3		Among French troops.
Mesopotamia:				
Bagdad.....	Oct. 1-31.....	25	7	
Mexico:				
Carbonera.....	Dec. 5-20.....	3	1	State of San Luis Potosi.
Do.....	Dec. 26-Jan. 8.....	3		
Cerritos.....	Dec. 5-20.....	7	8	Do.
Do.....	Dec. 26-Jan. 15.....	4		
Peru.....				July-December, 1920: Cases, 292; deaths, 136. Jan. 1-Feb. 16, 1921: Cases, 98; deaths, 48.
Departments—				
Callao-Lima.....				July-December, 1920: Cases, 23; deaths, 10. Jan. 1-31, 1921: Cases, 3; deaths, 2.
Callao.....	Feb. 1-15.....	2		
Libertad.....	do.....	1		
Trujillo-Salaverry.....	Dec. 27-Jan. 2.....	2		
Lima.....	Feb. 1-15.....	14	4	
Piura.....	do.....	21	10	
Porto Rico:				
San Juan.....	Feb. 18-25.....	7	2	Plague rats found, 31.
Russia:				
Batum.....	Nov. 24-Dec. 3.....	38		Epidemic outbreak.
Siam:				
Bangkok.....	Dec. 5-11.....	1	1	
Straits Settlements:				
Singapore.....	Oct. 31-Nov. 6.....	1	1	
Tunis:				
Zarzis.....	Jan. 15.....	10		In military territory, South Tunis.
Turkey:				
Constantinople.....	Nov. 21-27.....	1	2	
Union of South Africa:				
Orange Free State—				
Hoopstad district.....	Nov. 28-Dec. 18.....	3	1	1 European, 2 natives. On Vryheid Farm. (Public Health Reports, June 25, 1920, p. 1560.)
On vessel:				
S. S. Kronprincessan Victoria.....	Jan. 15.....			At Stockholm, Sweden. Rat plague found. Vessel left Buenos Aires, Argentina, Nov. 17, 1920. Stopped at Goteborg and Malmo, Sweden. Left Malmo Jan. 11, 1921. Rats found dead Jan. 13, 1921, at Stockholm.

SMALLPOX.

Algeria:				
Algiers.....	Jan. 1-31.....	5		
Austria.....				Aug. 29-Nov. 6, 1920: Cases, 62.
Azores:				
Ponta Delgada.....	Dec. 18-24.....	7		
Bolivia:				
La Paz.....	Oct. 1-Nov. 30.....	11	3	
Brazil:				
Bahia.....	Oct. 31-Dec. 25.....	6		
Do.....	Jan. 8-15.....	4		
Pernambuco.....	Oct. 18-Dec. 19.....	102	2	
Rio de Janeiro.....	Oct. 24-Dec. 25.....	108	24	
Do.....	Dec. 26-Jan. 8.....	5	2	
Sao Paulo.....	Dec. 13-19.....		1	
British East Africa:				
Uganda.....				May 1-June 30, 1920: Cases, 272.
Bulgaria:				
Sofia.....	Nov. 7-13.....	2		

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
Alberta—				
Calgary.....	Dec. 12-18.....	2		
Do.....	Jan. 2-Feb. 12.....	14		
British Columbia—				
Fernie.....	Feb. 6-12.....	2		
Vancouver.....	Dec. 5-11.....	1		
Do.....	Dec. 26-Feb. 5.....	14		
Victoria.....	Jan. 30-Feb. 19.....	3		
Manitoba—				
Winnipeg.....	Jan. 16-Feb. 19.....	9		
New Brunswick				
Bonaventure and Gaspé Counties.....	Feb. 1-28.....	4		From lumber camp on Canadian Government Railway, Feb. 5, 1921, 5 cases.
Campbellton.....	Jan. 9-15.....			Present.
Gloucester County.....	Jan. 23-29.....	1		
Madawaska County.....	Jan. 30-Feb. 19.....	2		
Restigouche County.....	Dec. 12-18.....	1		
Do.....	Feb. 6-19.....	2		
York County.....	do.....	6		
Nova Scotia—				
Sydney.....	Feb. 13-19.....	2		
Yarmouth.....	Jan. 9-Feb. 19.....	3		
Ontario—				
Hamilton.....	Dec. 19-31.....	9		
Do.....	Jan. 2-Mar. 5.....	49		
Kingston.....	Dec. 26-Jan. 19.....	9		
London.....	Jan. 2-Feb. 19.....	18		
Montreal.....	do.....	6		
Niagara Falls.....	Dec. 12-18.....	1		
North Bay.....	Dec. 12-25.....	4		
Do.....	Jan. 2-Feb. 26.....	21		
Ottawa.....	Dec. 12-25.....	75	1	
Do.....	Dec. 26-Feb. 19.....	435	2	
Peterborough.....	Dec. 26-Jan. 1.....	1		
Sarnia.....	Feb. 20-26.....	1		
Sault Ste. Marie.....	Jan. 9-Feb. 12.....	48		
Toronto.....	Dec. 12-25.....	7		
Do.....	Dec. 26-Feb. 12.....	39		
Quebec—				
Quebec.....	Jan. 23-Feb. 19.....	2		
Saskatchewan—				
Moose Jaw.....	Dec. 19-25.....	1		
Do.....	Jan. 2-Feb. 26.....	35		
Regina.....	Dec. 12-25.....	11		
Do.....	Jan. 2-Feb. 26.....	44		
Saskatoon.....	Dec. 16-22.....	20		
Do.....	Jan. 9-Feb. 19.....	18		
Ceylon:				
Colombo.....	Nov. 21-Dec. 25.....	18	7	
Do.....	Dec. 26-Jan. 1.....	1		
China:				
Amoy.....	Nov. 7-Dec. 25.....		7	
Do.....	Dec. 23-Jan. 8.....		2	Jan. 9-15, 1921: Present.
Antung.....	Dec. 20-26.....	1		
Do.....	Jan. 10-16.....	1	1	
Canton.....	Dec. 1-31.....			Present.
Chungking.....	Nov. 7-Dec. 25.....			Do.
Do.....	Dec. 26-Jan. 8.....			Do.
Foochow.....	Nov. 7-Dec. 25.....			Do.
Do.....	Dec. 26-Jan. 8.....			Do.
Hankow.....	Jan. 2-22.....	2	1	
Manchuria Province—				
Dairen.....	Nov. 16-Dec. 20.....	12	3	
Do.....	Dec. 23-Jan. 23.....	94	16	
Mukden.....	Dec. 12-18.....			Prevalent.
Do.....	Jan. 16-22.....			Do.
Nanking.....	Nov. 14-Dec. 18.....			Present.
Do.....	Dec. 26-Jan. 29.....			Do.
Tientsin.....	Nov. 14-Dec. 4.....	2		Dec. 12-25, 1920: Cases, 160; a camp for famine refugees.
Do.....	Dec. 23-Jan. 29.....	4		In camp for famine refugees, 437.
Tsinanfu.....	Oct. 31-Nov. 12.....	20		Statistics of Shantung Christian Hospital.
Tsingtau.....	Jan. 3-9.....	1		

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chosen (Korea):				
Chemulpo.....	Dec. 1-31.....	1		
Fusan.....	Nov. 1-30.....	1		
Do.....	Jan. 1-31.....	4	1	
Gensan.....	Dec. 1-31.....	15	12	
Do.....	Jan. 1-31.....	24	8	
Colombia:				
Barranquilla.....	Jan. 16-22.....			Present.
Santa Marta.....	Dec. 5-25.....			Do.
Do.....	Dec. 26-Feb. 19.....			Do.
Cuba:				
Antilla.....	Dec. 7-27.....	10		For port of Preston.
Do.....	Jan. 2-Feb. 19.....	54		Do.
Cienfuegos.....	Dec. 26-Jan. 8.....			Stated to be present in virulent form in Camaguey Province.
Habana.....	Dec. 31-Feb. 16.....	11		1 from Jatibonico, Cuba; 1 from Jamaica.
Matanzas.....	Jan. 2-29.....	6		
Nuevitas.....	Dec. 6-19.....	2		From Lugareno, a small station on railway, 16 miles distant, 1 case, week ended Dec. 12, 1920.
Do.....	Jan. 3-Feb. 27.....	19		
Santiago.....	Nov. 20-Dec. 10.....	26		
Do.....	Feb. 1-10.....	70		
Czechoslovakia.....				July 11-Aug. 14, 1920: Cases, 141; deaths, 29.
Danzig.....	Dec. 5-18.....	2		
Dominican Republic:				
Santo Domingo.....	Jan. 9-Feb. 13.....	12	1	Nov. 15-Dec. 25, 1920: Cases, 9; occurring in 4 localities.
Ecuador:				
Guayaquil.....	Nov. 16-Dec. 31.....	33	2	
Do.....	Jan. 1-15.....	12		
Egypt:				
Alexandria.....	Dec. 17-31.....	3	1	
Do.....	Jan. 1-28.....	3		
Cairo.....	Oct. 1-Dec. 9.....	3		
Port Said.....	Nov. 19-25.....	1		
France:				
Paris.....	Nov. 1-30.....	2	1	
Rouen.....	Nov. 21-Dec. 31.....	7	2	
St. Etienne.....	Dec. 3-15.....	2	1	
Germany:				
Great Britain:				
Glasgow.....	Dec. 25.....	11	2	
Do.....	Jan. 2-Feb. 12.....	20	8	
London.....	Dec. 26-Jan. 1.....	1		
Greece:				
Saloniki.....	Nov. 15-Dec. 26.....	39	14	In surrounding country: Cases, 21; deaths, 2.
Do.....	Dec. 27-Jan. 2.....	13	9	Sept. 22, 1920-Jan. 8, 1921: Cases, 2, 262; deaths, 64.
Haiti:				
Port au Prince.....	Sept. 22-Dec. 2.....	486	2	In 8 interior towns, 20 cases. In one locality, 18 cases. In country district, vicinity of Port au Prince, cases numerous. From date of outbreak to Feb. 11, 1921: Cases, 2,874; deaths, 221.
Honduras:				
Cetba.....	Feb. 13-19.....	2		
India:				
Bombay.....	Nov. 7-Dec. 25.....	11	3	Sept. 26-Oct. 9, 1920: Deaths, 250.
Do.....	Dec. 26-Jan. 15.....	21	4	Oct. 31-Dec. 11, 1920: Deaths, 3,902.
Calcutta.....	Dec. 5-11.....	2	2	
Do.....	Jan. 2-29.....	6	2	
Karachi.....	Jan. 16-22.....	8	2	
Madras.....	Nov. 14-Dec. 18.....	7	5	
Do.....	Dec. 26-Jan. 22.....	10	2	
Rangoon.....	Nov. 21-Dec. 25.....	5	1	
Do.....	Jan. 2-8.....	2		
Indo-China:				
Italy:				
Catania.....	Nov. 29-Dec. 5.....	1		In Province, Nov. 29-Dec. 5, 1920: Cases, 32. Jan. 3-16, 1921: Cases, 32. Jan. 17-Feb. 6, 1921: Cases, 45.
Do.....	Dec. 27-Jan. 2.....			In vicinity, 2 cases.
Messina Province.....	Jan. 3-9.....	9		Dec. 5, 1920-Jan. 16, 1921: Cases, 25.
Palermo.....	Oct. 30-Dec. 27.....	410	124	
Do.....	Jan. 26-Feb. 8.....	102	15	

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
West Java.....				Nov. 12-Dec. 29, 1920: Cases, 72; deaths, 6. Jan. 6-12, 1921: One case, one death.
Batavia.....	Nov. 12-Dec. 29...	9	3	Feb. 7-13, 1920: Cases, 112; deaths, 27.
Jugoslavia.....	July 25-Aug. 28...	128	42	
Zagreb.....	Jan. 9-29.....	2		
Luxembourg.....	Dec. 15-Jan. 1.....	1		
Madeira:				
Funchal.....	Dec. 5-18.....		2	
Do.....	Dec. 23-Jan. 29.....		4	
Mesopotamia:				
Bagdad.....	Nov. 1-Dec. 31.....	2		
Mexico:				
Chihuahua.....	Dec. 6-26.....	11	3	
Do.....	Dec. 27-Feb. 15.....		12	
Guadalajara.....	Dec. 1-31.....	1		
Do.....	Jan. 1-31.....	1		
Mexico City.....	Nov. 11-Dec. 25.....	17		Including municipalities in the Federal district.
Do.....	Jan. 2-15.....	5		Do.
Salina Cruz.....	Jan. 1-31.....	1		
San Luis Potosi.....	Feb. 6-12.....		1	
Tecate.....	Jan. 17.....	3		
Newfoundland:				
St. Johns.....	Jan. 22-26.....	1		
Panama:				
Colon.....	Jan. 5-Feb. 22.....	77		Jan. 1-29, 1921: Cases, 45. Mkd. Sept.-Oct. 1920: Cases, 173; deaths, 37.
Poland:				
Warsaw.....	Sept. 1-30.....	3		
Portugal:				
Lisbon.....	Nov. 28-Dec. 18.....		5	
Do.....	Dec. 26-Jan. 22.....		9	
Portuguese East Africa:				
Lourueco Marques.....	Oct. 24-Dec. 11.....	10		Reported present in interior of Chai-Chai district.
Quilimane.....	do.....	3		
Russia:				
Esthonia Province.....	Dec. 1-31.....	17		
Reval.....	Oct. 1-Nov. 30.....	28		
Riga.....	Nov. 1-Dec. 31.....	9		
Siberia—				
Vladivostok.....	Oct. 1-Nov. 30.....	2	1	
Spain:				
Barcelona.....	Nov. 18-Dec. 29.....		13	
Do.....	Jan. 13-Feb. 2.....		11	
Corunna.....	Dec. 12-18.....		1	
Madrid.....	Nov. 1-30.....		1	Year ended Dec. 31, 1920: Deaths, 9.
Malaga.....	Oct. 1-Dec. 31.....		77	
Tarragona.....	Jan. 30-Feb. 5.....		1	
Valencia.....	Dec. 5-25.....		3	
Do.....	Dec. 26-Feb. 5.....		12	
Syria:				
Aleppo.....	Nov. 14-Dec. 4.....			Dec. 12-25, 1920: Present.
Do.....	Jan. 16-22.....			Present.
Tunis:				
Tunis.....	Nov. 30-Dec. 28.....	10	18	
Do.....	Jan. 8-Feb. 11.....	13	14	
Turkey:				
Constantinople.....	Nov. 21-Dec. 11.....	4		
Do.....	Jan. 2-Feb. 5.....	13		
Union of South Africa:				
Johannesburg.....	Oct. 1-31.....	1		
On vessels:				
S. S. Alfonso XIII.....	Dec. 27.....	1		At Habana, Cuba, from ports in northern Spain.
S. S. Cadiz.....	Jan. 5.....	1		At Habana, Cuba, from Mediterranean ports.
U. S. S. Mississippi.....	Feb. 18-20.....	22		In Canal Zone.
S. S. Ohioan.....	Jan. 4.....	1		At San Pedro, Calif., from New York, via Balboa, Canal Zone.

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Jan. 1-31	2		
Belgium:				
Ghent	Dec. 12-18	5		
Brazil:				
Ceara	Oct. 17-Dec. 26		3	
Bulgaria:				
Sofia	Jan. 2-8	2		
Chile:				
Concepcion	Oct. 27-Dec. 27		25	
Do.	Dec. 28-Jan. 24		7	
Coquimbo	Dec. 1-7		1	
Valparaiso	Oct. 25-Nov. 27		13	
China:				
Manchuria (Province)—				
Harbin	Nov. 22-28	1		On Chinese Eastern Railway.
Do.	Jan. 3-9	1		
Manchuria Station	Nov. 22-28	2		Do.
Do.	Jan. 10-16	1		
Chosen (Korea):				
Seoul	Dec. 1-31	1		
Do.	Jan. 1-31	1		
Czechoslovakia				July 11-Aug. 28, 1920: Cases, 138; deaths, 18. Reported present Feb. 19, 1921.
Danzig	Dec. 20	1		In emigrant from Brest-Litovsk; with 2 weeks' stay at Warsaw.
Do.	Jan. 16-Feb. 5	3	1	
Egypt:				
Alexandria	Nov. 19-Dec. 31	13	6	
Do.	Jan. 1-28	8	4	
Cairo	Oct. 1-Dec. 28	49	32	
Germany				Sept. 12-Dec. 25, 1920: Cases, 259 (including 11 in a camp); Dec. 26, 1920-Jan. 8, 1921: Cases, 7.
Great Britain:				
Belfast	Dec. 5-25	13		
Do.	Jan. 9-29	3	1	
Dublin	Nov. 28-Dec. 18	4	3	
Do.	Jan. 9-29	8	2	
Greece:				
Drama	Nov. 22-28	1		
Patras	Nov. 29-Dec. 5		1	
Saloniki	Oct. 25-Dec. 26	34	9	
Serres	Nov. 8-14	1		
Hungary				Aug. 3-Dec. 5, 1920: Cases, 38.
Italy:				
Naples	Feb. 23	2		
Trieste	Feb. 14	30		Among emigrants intending to come to United States.
Japan:				
Nagasaki	Nov. 15-Dec. 26	10	1	
Do.	Dec. 27-Feb. 6	10	5	
Jugoslavia	July 25-Aug. 28	27	5	Feb. 7-13, 1920: Cases, 84; deaths, 2; Dec. 12-25, 1920: Cases, 112.
Zagreb	Dec. 12-25	27		City and county.
Do.	Dec. 26-Jan. 29	35	4	
Malta	Dec. 1-31	1		
Mesopotamia:				
Bagdad	Nov. 1-30	1	1	
Mexico:				
Guadalajara	Dec. 1-31	11		
Do.	Jan. 1-31	6	3	
Mexico City	Nov. 14-Dec. 25	67		Including municipalities in the Federal district.
Do.	Dec. 26-Jan. 15	70		Do.
San Luis Potosi	Dec. 5-31			Present.
Do.	Jan. 16-22			Do.
Netherlands:				
Rotterdam	Jan. 23-29	1		
Poland				
Warsaw	Dec. 16	8		Sept.-Oct., 1920: Cases, 3,845; deaths, 371.
Portugal:				
Oporto	Nov. 28-Dec. 4	1		
Do.	Dec. 26-Jan. 1	3	1	

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

Reports Received from Jan. 1 to Mar. 18, 1921—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Province—				
Estonia.....				Sept. 1-Dec. 31, 1920: Cases, 455.
Latvia.....				
Riga.....	Nov. 1-Dec. 31....	194		
Lithuania.....				Feb. 19, 1921: Cases, 175; mortality, 5 to 6 per cent.
Ruthenia.....				
Ukraine.....				Feb. 19, 1921: Occurrence of about 5 fatal cases daily.
Turkey:				Do.
Constantinople.....	Nov. 21-Dec. 25....	25	1	
Do.....	Jan. 2-29.....	26		
Union of South Africa:				
Cape Town.....	Dec. 20-26.....	16	5	
On vessels:				
S. S. Presidente Wilson.....	Feb. 1-6.....	15		At New York. From Trieste, Italy, Jan. 15; Naples, Jan. 18; and Algiers, Jan. 22, 1921.
S. S. San Giusto.....	Feb. 10-Mar. 3....	22		At New York. From Trieste, Jan. 23, and Naples, Jan. 26, 1921.

YELLOW FEVER.

Brazil:				
Pernambuco.....	Nov. 14-21.....	1	1	
Mexico:				
Orizaba.....	Dec. 5-18.....	2	1	
Papantla.....	do.....	8	2	
Do.....	Jan. 9-15.....		1	
Tampico.....	Dec. 12-18.....	1	1	
Tuxpam.....	Dec. 5-18.....	9	4	
Do.....	Dec. 26-Jan. 1....	5	1	
Vera Cruz.....	Dec. 5-26.....	8	3	
Do.....	Dec. 25-Feb. 20..	5	1	
Zamora.....	Dec. 12-18.....	1	1	Also called Guiterrez. State of Vera Cruz.
Peru:				
Department—				
Lambayeque.....				Outbreak reported Jan. 22, 1921.
Chiklayo.....	Feb. 1-15.....	11	3	
Eten.....	do.....	7	1	
Ferrenafe.....	Jan. 1-31.....	18	17	
Do.....	Feb. 1-15.....	38	15	
Lambayeque.....	Jan. 1-31.....	2	1	
Do.....	Feb. 1-15.....	2		
On vessel:				
S. S. Savcia.....	Jan. 11-15.....	4		At Habana, Cuba, from Vera Cruz, Mexico. Vessel arrived Habana Jan. 10, 1920, with three cases sickness on board. Two cases confirmed. Two cases developed later on board; confirmed Jan. 15. Savcia left Vera Cruz Jan. 6, 1921.