

PUBLIC HEALTH REPORTS.

VOL. XXVI.

JUNE 23, 1911.

No. 25.

SMALLPOX IN THE UNITED STATES—PREVALENCE AND GEOGRAPHIC DISTRIBUTION DURING THE CALENDAR YEAR 1910.¹

Compiled by JOHN W. TRASK, Assistant Surgeon General.

Smallpox continued to be prevalent in the United States during the calendar year 1910, a greater number of cases being reported than during the preceding year.² There was also a greater number of reported deaths. The reports for the year 1909 received by the Surgeon General of the Public Health and Marine-Hospital Service totaled 24,099 cases with 150 deaths, whereas for the year 1910 the numbers were 30,352 cases and 415 deaths. The cases for the year 1910 were reported from 36 States and the District of Columbia. Complete information of the number of cases reported for the entire year was furnished directly by the State health authorities or was otherwise available for 26 States and the District of Columbia. In other States the health authorities reported the prevalence of the disease for but part of the year, and in others reports were received only from certain cities.

PREVALENCE.

The general prevalence and geographic distribution of the disease are shown by the tables and maps on succeeding pages. Connecticut was the only State furnishing complete information in which no case was reported.

The greatest numbers of cases were reported in North Carolina, Texas, Michigan, Oklahoma, and Kansas, with 4,281, 2,925, 2,585, 2,342, and 2,202 cases, respectively. Tennessee reported 2,199 cases for a part of the year only.

The increase of the disease in Florida is notable. In this State only 3 cases were reported in 1909, while in 1910, 1,286 were recorded. There was also an increase in Colorado from 345 cases in 1909 to 1,096 in 1910, in the District of Columbia from 24 cases in 1909 to 96 in 1910, in Michigan from 1,175 in 1909 to 2,585 in 1910, in North Carolina

¹ From information furnished by State and local health authorities and registrars.

² For an account of the prevalence of smallpox during 1909 see Public Health Reports, Vol. XXVI, No. 22, June 2, 1911, p. 799. For the same information for 1908 see American Journal of Public Hygiene, Vol. XX, No. 1, Feb., 1910, p. 133.

from 1,733 to 4,281 cases, in Oklahoma from 1,434 to 2,342, in Pennsylvania from 25 to 168, and in the State of Washington from 310 to 583 cases.

A decrease is noted in Illinois from 2,135 cases in 1909 to 730 cases in 1910, in Indiana from 1,363 cases in 1909 to 764 cases in 1910, in Minnesota from 1,430 to 1,002, in New York from 762 to 353, in Ohio from 1,328 to 759, in Utah from 1,854 to 966, and in Wisconsin from 1,208 to 443 cases.

There was practically no change in the prevalence of the disease during the years 1909 and 1910 in the following States: Kansas, Montana, North Dakota, and Oregon. Comparatively but few cases of smallpox were reported in New Hampshire and New Jersey, and, as previously stated, there was none in Connecticut.

Although no reports are available for the State of Georgia as a whole, 389 cases were reported in the city of Macon.

There is no evidence at hand to indicate that the disease was less prevalent in the States from which reports for the year were not available than it was in those from which reports were received. In fact it would naturally be expected that an infectious disease such as smallpox would spread more rapidly and cause more cases in those States in which it was not promptly reported and in which therefore the number and location of cases were not known to the local and State authorities, who, for this reason, would be placed at a disadvantage in their attempts to control the disease.

CASE RATE.

The distribution of the cases per unit of population gives a better idea of the relative prevalence of the disease. Utah had the highest case rate, the 966 cases reported being at the rate of 257.32 for each 100,000 inhabitants. In 1909 Utah also had the highest case rate with 507 cases for each 100,000 inhabitants. The next highest rates for 1910 were in North Carolina, Florida, Montana, Oklahoma, and Colorado with rates of 193.45, 169.5, 167.32, 139.75 and 136.23 respectively for each 100,000 inhabitants. The lowest rate was in Connecticut with no case. The next lowest rates were in Maryland, New Jersey, Maine, Pennsylvania and New Hampshire, with rates of 0.46, 0.86, 1.07, 2.18 and 2.32, respectively.

FATALITY.

One of the most notable features of the smallpox which has been more or less prevalent in the United States for at least ten years is its extreme mildness and the small number of deaths which it has caused. In 1909 the combined States from which complete reports were received had 19,534 cases with 92 deaths which was a mortality rate of 0.471 for each 100 cases. In 1910 the rate was considerably higher but still remarkably low when compared with the rates reported from other countries.

Reports as to the prevalence of smallpox during the calendar year 1910 and the number of deaths due to this disease are available for the following States: Colorado, District of Columbia, Florida, Indiana, Iowa, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, New Jersey, New York,

North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Texas, Utah, and Washington.

These States with a combined estimated mid-year population of 54,435,700 reported 23,552 cases with 385 deaths, an average of 43.27 cases for each 100,000 inhabitants and 1.63 deaths in each 100 cases.

In outbreaks of smallpox reported abroad the deaths usually number from 20 to 40 for each hundred cases. To explain the small number of deaths in the United States, we may presume that either the people are partially immune to the disease or else that the existing infection is extremely mild and nonvirulent. Immunity might be the result of general vaccination or a racial characteristic otherwise acquired.

That the community is protected by vaccination may be true for certain localities, but that the protection thus afforded is general can hardly be maintained. Japan as a nation is probably as well or better protected by vaccination than is the United States,¹ and yet in 1907-8 there was an outbreak of smallpox in Japan in which 19,101 cases were reported with 6,273 deaths. Vaccination did not there modify the type of the disease to that found in America. In that outbreak among 5,215 smallpox patients 1,527 were found who had never been vaccinated.² This is interesting as indicating a relatively small number of unvaccinated individuals. The epidemic was apparently one of considerable virulence, the general death rate per hundred being 42.25 among the cases in 1907 and 32.32 among those in 1908, while the deaths among the unvaccinated were 69.4 per hundred cases. Kitasato believes that the virulence of the disease varies and that when it reaches the high point attained in Japan during 1907-8 individuals who have been previously vaccinated, and even those who have previously had an attack, contract the disease. In this outbreak there were 242 cases in seven prefectures in which the patients had previously had the disease. Of these, 57 died.

If the nonvirulence of the disease in this country is due to protection by vaccination it would be expected that the mild cases would be found only in those so protected. This may be assumed from the limited information available not to be the case. Records of the vaccination history of all patients would undoubtedly add much to our knowledge of the subject.

That the type of the disease as seen in the United States is due to the protective value of vaccination is shown not to be true for certain localities in which outbreaks of the virulent form of the disease have been reported. These outbreaks have occurred at widely separated points extending from Virginia and South Carolina in 1909 to Michigan, Oklahoma, Texas, and Oregon in 1910. The cases of the disease reported in New York City in 1910 also had a high percentage of deaths. These outbreaks showed a high virulence, the deaths being at the rate of from 16.13 at Cleveland, Ohio, to 54.05 in Oklahoma County, Okla., per hundred cases.

It would seem that the possible explanation of the mild type of the disease in this country is that it is due to a less virulent strain of infection. This, then, raises the question as to the source of the more severe outbreaks which occur—that is, whether each outbreak is an instance of infection brought in from abroad or carried from some

¹ Irwin, Fairfax. Smallpox in Japan, Public Health Reports, Vol. XXV, No. 35, Sept. 2, 1910, p. 1205.

² Kitasato, S. Vaccination and Smallpox in Japan, Jour. Am. Med. Assn., Mar. 25, 1911 p. 889.

other virulent focus within the country, or whether the mild strain of the disease under certain conditions becomes virulent. This it is believed can probably be solved only by the careful recording of the salient facts in each case.

VIRULENT OUTBREAKS.

During the year there were recorded 11 localities in which smallpox showed a high death rate. In most of the instances these were apparently distinct and separate outbreaks, clearly differentiated from the cases of the milder type of the disease which had prevailed in the same localities previous to the onset of the more severe type, and which in some occurred afterwards as well.

MICHIGAN.

Michigan had been having for several years quite a number of cases of smallpox. These were widely distributed throughout the State and were of the prevailing mild type. In 1909 there had been 1,175 reported cases with only 4 deaths. During 1910, however, three outbreaks occurred in which the mortality rate was high, and in all there were 121 deaths. These outbreaks occurred in Bay City, Saginaw, and Lapeer, located in Bay, Saginaw, and Lapeer Counties, respectively.

BAY CITY.

For several months mild cases of smallpox, all of which recovered, had been occurring in Bay City and vicinity, and the last death from this disease in Michigan had been in December, 1909, when suddenly in March, 1910, 61 cases with 8 deaths were reported in Bay City. Most of these were confluent and many were hemorrhagic. In April there were 29 cases with 13 deaths, in May 13 cases and 7 deaths, in June 5 cases and 1 death, and in July 2 cases and 1 death. During the remaining months of the year there were a few cases, but all recovered. The disease was not limited to any special group of people. In the virulent outbreak within the city, if all the cases occurring from March to October, inclusive, are counted, there was a total of 114 cases with 30 deaths, which gives a case mortality of 26.31 per hundred.

SAGINAW.

The outbreak in Saginaw resembled the preceding in that for months there had been present cases of the disease but no deaths. The cases suddenly jumped from 3 cases with no deaths in September to 81 cases with 19 deaths in October and 82 cases with 29 deaths in November. During December no cases were reported.

The president of the board of health of Saginaw states, in reference to the outbreak, that between October 16 and 19, 1910, there developed in Saginaw 42 cases of smallpox, most of which were of the confluent type, and that nearly all of them were taken to the detention hospital. Cases developing later were taken care of in their homes, guards being placed in charge. General vaccination was then enforced and continued until over 40,000 persons had been vaccinated (Saginaw had a population of 50,510, census of 1910). All public places of entertainment were closed, and for three weeks the city was under quarantine, which terminated November 26, since which date no case of smallpox has occurred.

During the outbreak there were 156 cases with 47 deaths, a mortality of 30.13 per hundred cases. Of the 156 cases, 45 were under 10 years of age, 35 between 10 and 20 years, 31 between 20 and 30 years, 15 between 30 and 40 years, 20 between 40 and 50 years, and 10 were over 50 years of age; 87 were males and 69 females. Of the 47 deaths, 24 occurred at the hospital and 23 at the patients' homes.

LAPEER.

In Lapeer and vicinity there had also been cases of nonvirulent smallpox for some time. Then during August and September no cases were reported in the city or county. In October there were 2 cases with 1 death and in November 31 cases with 16 deaths, of which 30 cases and 15 deaths were in the home for the feeble-minded. In December there were 5 cases and 2 deaths, of which 1 case and 1 death were in the home referred to. No cases were reported during the next two months. During October, November, and December the cases reported numbered 38 and the deaths 19, a death rate of 50 per hundred cases.

The chronological relationship of the virulent to the nonvirulent cases in the three Michigan outbreaks is shown by the following table:

Michigan outbreaks of virulent smallpox.

Date.	Bay City.		Bay County, including city.		Saginaw City.		Saginaw County, including city.		Lapeer City.		Lapeer County, including city.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1909—November.....			4									
December.....	1		42									
1910—January.....	9		26				23					
February.....	1		11		23		24		5		5	
March.....	61	8	71	9	50		56		5		18	
April.....	29	13	29	13	21		37		6		11	
May.....	13	7	23	7	12		23		3		8	
June.....	5	1	5	1	17		30				12	
July.....	2	1	2	1	2		2				4	
August.....	2		2		3		3					
September.....	1		1		3		5					
October.....	1		1		81	19	88	19	2	1	2	1
November.....					82	29	148	33	31	16	33	16
December.....							3	3	5	2	1	
1911—January.....			1									
February.....												

CLEVELAND, OHIO.

There was in Cleveland from April 30 to July 26, 1910, a total of 62 cases of smallpox with 10 deaths and 2 cases of permanent disability. There was no instance of the disease in those recently vaccinated. One patient of about 45 years of age gave an indefinite history of vaccination in childhood; there was, however, no scar. Another patient had been vaccinated between 17 and 20 years before, according to his recollection. Two medical students vaccinated on the day of exposure had very mild attacks. All the other cases were among unvaccinated children. Nine of the deaths were in children under

10 years of age. The deaths in this outbreak were at the rate of 16.13 per hundred cases.¹

BEE COUNTY, TEX.

On January 1, 1910, the health officer of Bee County was called to see a patient who had smallpox. There were 9 other people living in the house, all of whom refused to be vaccinated, saying that they preferred smallpox to vaccination. A man and 2 women from another house who had visited the patient before the nature of the disease was known submitted to vaccination. The vaccination was successful, however, only in 1 of the women. Thus of the 12 who had been exposed to the disease there was but 1 who had ever been successfully vaccinated; that is the woman above referred to. This woman did not contract the disease; the other 11 did. The original case and the 11 secondary ones made 12 in all, and of these 5 died. A death rate of 41.66 per hundred cases.

MARION COUNTY, OREGON.

For several years smallpox had appeared annually in the State of Oregon, but generally so mild that it had caused but little concern. In 1903, however, there had been an outbreak of a virulent type of the disease in Crook County in which there had been a total of 29 cases. Of the persons who contracted the disease 17 had been vaccinated at some time or other. These 17 recovered. Of the 12 who had never been vaccinated 9 died.

In November, 1910, a retired farmer accompanied by his wife and an unmarried daughter left Ohio to visit two sons, one in the City of Mexico and the other in Marion County, Ore. They first went to Mexico City. On the way from there to Oregon the conductor of the car in which they were traveling discovered a case of convalescent smallpox in a person occupying a seat in the car. This person was put off the train at the next station and the train proceeded on its way. The family after spending a few days in Los Angeles and San Francisco proceeded to Oregon, where the second son was living. The mother was taken ill on the day of arrival (Thanksgiving Day) with smallpox of such a mild character that a diagnosis was not made at the time and no physician was called. (She had been vaccinated 55 years before.) On December 5 the father developed a severe attack of smallpox and died before the eruption reached the pustular stage; the son died 2 days later, and the unmarried daughter 3 days later; the son's wife also became ill and died. The grandchild had a severe attack and recovered much disfigured. (None of these 5 had ever been vaccinated.) Three nurses were engaged before the diagnosis was made, of whom only 1 had ever been vaccinated. As soon as the nature of the disease was discovered all contacts were promptly vaccinated. The domestic employed in the house and 2 of the nurses also contracted the disease, but recovered. There were in all 9 cases with 4 deaths. (Bull. Oregon State Board of Health, vol. 4, No. 4, p. 1.)

¹ Ford, C. E., superintendent of health, Cleveland, Public Health Reports, Vol. XXV, No. 34, Aug. 26, 1910, p. 1179.

² Moffett, C. T., health officer, Bee County, Tex. Public Health Reports, Vol. XXV, No. 11, Mar. 18, 1910, p. 319.

GRADY COUNTY, OKLA.

In Grady County the deaths due to smallpox were comparatively numerous throughout the year compared with the number of cases reported. From March to December, inclusive, there were 50 cases with 20 deaths, a fatality rate of 40 per hundred cases. No other details concerning the disease in this locality are available at the present time.

OKLAHOMA COUNTY, OKLA.

There was a sudden virulent manifestation of the disease in this county during March and April. Cases occurring during succeeding months seem to have been mild in form with the exception of 1 death in July. From March to July, inclusive, there were 37 cases with 20 deaths, a fatality rate of 54.05 per hundred cases.

RENO COUNTY, KANS.

Many cases of mild smallpox had existed for several months when in July out of 8 cases reported 3 died. These deaths were the only ones reported out of 193 cases occurring from November, 1909, to December, 1910.

DENTON COUNTY, TEX.

In Denton County during January and February, 1910, 80 cases of smallpox were reported with 14 deaths. Reports for the entire year are not available nor are the details of the outbreak. The mortality rate of the reported cases was 17.5 per hundred.

Outbreaks of virulent smallpox in Oklahoma, Kansas, and Texas.

Date.	Oklahoma.				Kansas— Reno County.		Texas— Denton County.	
	Grady County.		Oklahoma County.		Cases.	Deaths.	Cases.	Deaths.
	Cases.	Deaths.	Cases.	Deaths.				
1909—November.....					16			
December.....					57			
1910—January.....					50		24	4
February.....					28		50	10
March.....	5		17	14	17			
April.....	8	1	9	4	15			
May.....	6	6	1	1				
June.....	8	4			8	3	1	
July.....	3	5	10	1				
August.....	7	1	2					
September.....	8							
October.....	2	2	1					
November.....	2	1			1			
December.....	1		1		1			
1911—January.....	2		11					
February.....	2		9					

NEW YORK CITY.

From April 16 to May 28, 10 cases of smallpox with 3 deaths were reported in New York City.

TABLES.

TABLE No. 1.—Showing, by States, cases reported, case rates, deaths reported, and case mortality rates.

	Cases.	Case rate per 100,000 inhabitants. ¹	Deaths.	Case mortality rate per 100.	Remarks.
Alabama.....	616		(?)		No available record of cases for entire State. These cases were reported in Birmingham, Mobile, and Montgomery.
Alaska.....	(?)		(?)		Cases not reported.
Arizona.....	(?)		(?)		No available record of cases.
Arkansas.....	106		(?)		No available record of cases for State. These cases were reported in Argenta, Little Rock, Lonoke, and Fort Smith.
California.....	177		1		Incomplete.
Colorado.....	1,096	136.23	7	0.64	
Connecticut.....	None.		None.		
Delaware.....	(?)		(?)		No available record of cases.
District of Columbia.....	96	28.89			
Florida.....	1,286	169.50	12	.93	
Georgia.....	389		(?)		No available record of cases for State. These cases were reported in the city of Macon.
Idaho.....	(?)		(?)		No available record of cases.
Illinois.....	730	12.91	(?)		
Indiana.....	764	28.24	1	.13	
Iowa.....	850	38.19	1	.12	
Kansas.....	2,202	129.77	12	.54	
Kentucky.....	(?)				No available record of cases.
Louisiana.....	860		5		Reports are incomplete.
Maine.....	8	1.07			
Maryland.....	6	.46			
Massachusetts.....	144	4.26			
Michigan.....	2,585	91.66	121	4.68	
Minnesota.....	1,002	48.18	9	.90	
Mississippi.....	227		5		No available record of cases for State. These cases were reported from 7 cities.
Missouri.....	287		2		Do.
Montana.....	634	167.32	1	.16	
Nebraska.....	51		(?)		No available record of cases for State. These cases were reported from Lincoln and South Omaha.
Nevada.....	(?)		(?)		No available record of cases.
New Hampshire.....	10	2.32			
New Jersey.....	22	.86			
New Mexico.....	(?)		(?)		No available record of cases.
New York.....	353	3.85	8	2.26	
North Carolina.....	4,281	193.45	8	.18	
North Dakota.....	306	52.51	2	.65	
Ohio.....	759	15.88	10	1.32	
Oklahoma.....	2,342	139.75	99	4.22	
Oregon.....	164	24.18	5	3.05	
Pennsylvania.....	168	2.18	6	3.57	
Rhode Island.....					No cases reported.
South Carolina.....	(?)		(?)		No available record of cases.
South Dakota.....	365		1		Report complete for April to December, inclusive.
Tennessee.....	2,199		10		Incomplete.
Texas.....	2,925	74.72	67	2.29	
Utah.....	966	257.32	2	.21	
Vermont.....					No cases reported.
Virginia.....	350		6		No available record of cases for State. These cases were reported from 8 cities.
Washington.....	583	50.46	14	2.40	
West Virginia.....	(?)		(?)		No available record of cases.
Wisconsin.....	443	18.94	(?)		
Wyoming.....	(?)		(?)		No available record of cases.
Total.....	30,352		415		

¹ Based upon the estimated population July 1, 1910, as given by the Director of the Census.

TABLE No. 2.—Showing cases reported by months.¹

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Colorado.....	82	132	179	114	117	68	62	14	39	73	112	104	1,096
Florida.....	50	61	213	118	180	162	81	28	17	11	107	258	1,286
Illinois.....	170	32	88	58	74	92	24	16	8	52	84	32	730
Indiana.....	189	92	104	92	98	82	.....	6	1	2	53	45	764
Iowa.....	122	109	97	141	68	76	23	17	9	12	50	126	850
Kansas.....	441	280	256	148	304	247	43	20	9	66	211	177	2,202
Maine.....	.....	6	.....	.....	1	.....	.....	.....	.....	.....	1	.....	8
Maryland.....	1	.....	.....	1	3	.....	1	.....	.....	.....	.....	.....	6
Massachusetts.....	90	26	5	4	10	7	2	.....	.....	.....	.....	.....	144
Michigan.....	290	262	356	253	370	316	104	65	32	101	339	97	2,585
Montana.....	122	116	68	64	70	53	33	8	15	18	17	50	694
New Hampshire.....	4	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
New Jersey.....	.....	2	1	.....	3	2	2	3	4	3	.....	.....	22
New York.....	51	50	69	61	55	41	10	10	1	1	2	2	353
North Carolina.....	877	758	429	317	249	219	115	91	45	197	244	740	4,281
North Dakota.....	46	32	107	14	22	20	6	38	2	3	9	7	306
Ohio.....	104	83	60	77	178	168	46	4	8	11	8	12	759
Oklahoma.....	238	388	390	475	214	267	69	51	65	46	48	91	2,342
Oregon.....	36	29	29	12	12	14	.....	.....	12	7	2	11	164
Pennsylvania.....	14	41	40	8	22	7	23	4	6	.....	1	2	168
Texas.....	706	785	581	228	199	246	42	17	8	32	28	53	2,925
Utah.....	181	91	112	79	64	27	21	11	42	35	91	212	966
Washington.....	120	82	60	78	54	36	15	4	7	5	41	81	583
Wisconsin.....	39	63	66	33	50	37	32	10	12	14	37	50	443
Total.....	3,973	3,523	3,310	2,375	2,417	2,187	754	417	342	689	1,485	2,155	23,627

¹ This table includes only the States for which the cases were reported by months.

DESCRIPTION OF MAPS.

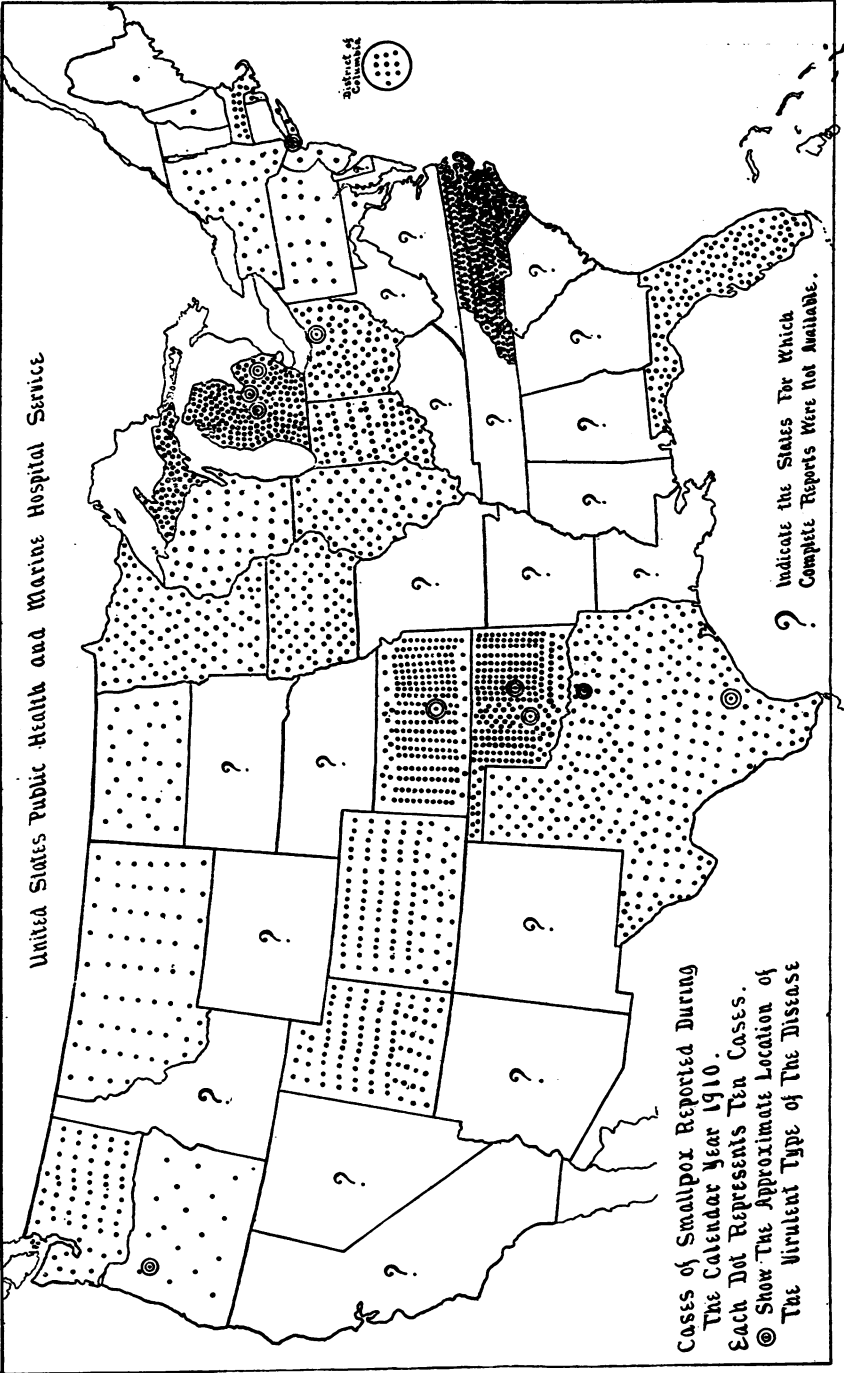
The first map shows the number of cases of smallpox reported in each of the States from which complete reports were received. Each dot represents 10 cases. A dot is also inserted for the fraction of 10 where such exists. That is, 16 cases would be represented by 2 dots, 1 for the 10 cases and 1 dot for the fractional 6. More than 20 but less than 30 cases would be represented by 3 dots, and so on.

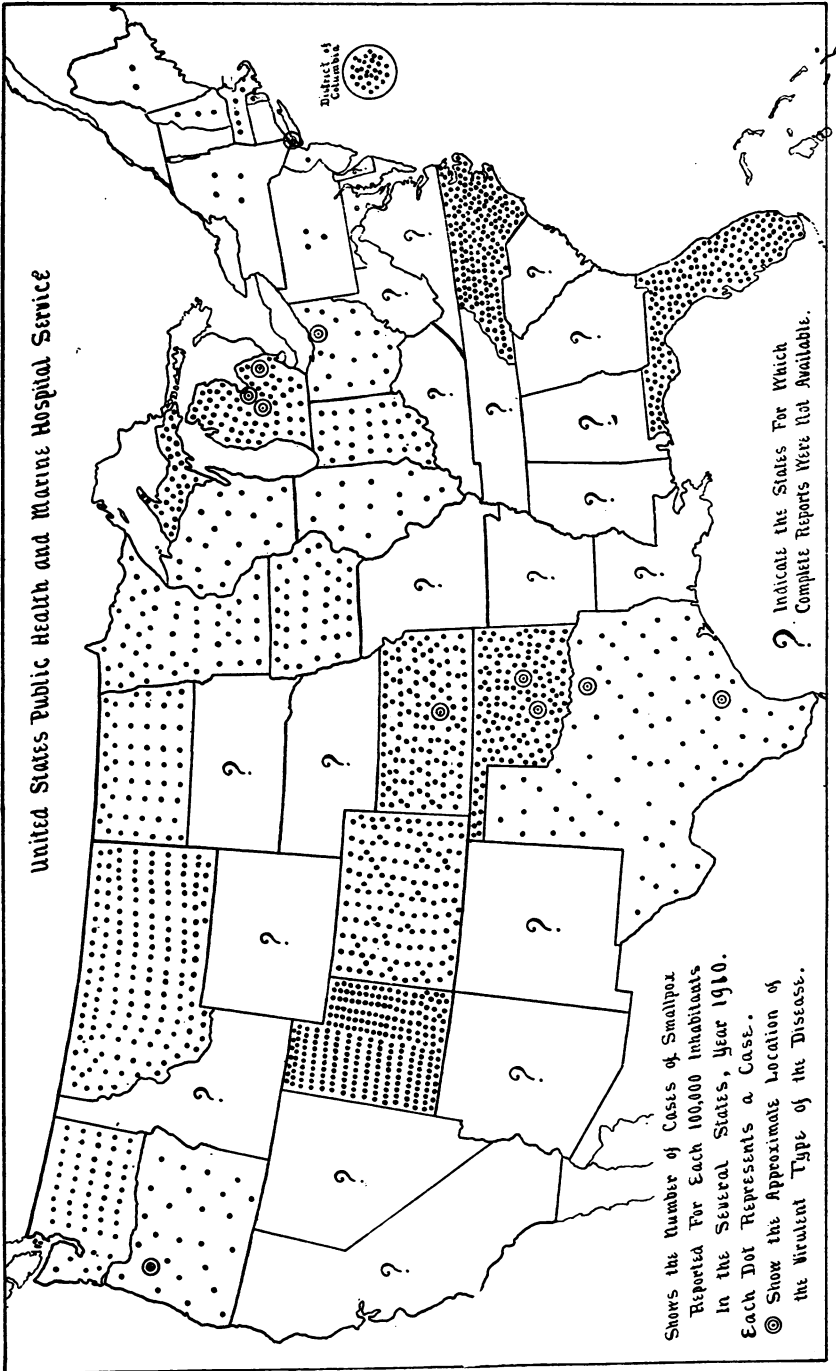
The dots are not placed within the States to show the localities in which the cases occurred. The small size of the map and the large number of dots in many of the States would not permit such an arrangement.

The States containing interrogation points are those from which reports were not received for the year 1910. In some of these States the disease is not required to be reported; in others its notification is required by law or regulation, but the requirement was not enforced. There is no known reason for presuming that the disease was any less prevalent in the States marked by interrogation points than it was in those not so marked.

The concentric circles show the approximate location of outbreaks in which the disease assumed a virulent form.

The second map shows the distribution of cases according to population. The number of dots in each State shows the actual number of cases of smallpox reported for each 100,000 inhabitants.





UNITED STATES.

MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since Jan. 1, 1910.]

BRIDGEPORT, CONN.

PROTECTION OF FOODSTUFFS.

SECTION 1. No person shall expose, sell, or offer for sale for human consumption any breadstuffs, cake, pastry, candy, confectionery, dried fruits, or shelled nuts outside of any building or in any window or doorway, or any alley, street, sidewalk, or thoroughfare, unless such food is properly protected from insects, dust, dirt, and other foreign or unwholesome material by suitable coverings.

SEC. 2. Any person violating this by-law shall, upon conviction, be fined not more than \$25. (By-law, board of health, adopted May 9, 1911.)

SOMERVILLE, MASS.

MILK—REGULATION OF THE PRODUCTION AND SALE.

1. No person, firm, or corporation shall engage in the production, sale, delivery, or distribution of milk in the city of Somerville except in accordance with the provisions of revised laws of Massachusetts and of acts of the legislature additional thereto or in amendment thereof, and in compliance with the following rules and regulations of the board of health of said city.

2. Every person, firm, or corporation producing, keeping, or offering for sale milk in the city of Somerville shall annually, before the 1st day of June, make written application to the inspector of milk for a license on forms prescribed by the board of health. No person in the city of Somerville shall engage in the business of producing milk for sale or in the sale or distribution of milk without a license so to do, under these regulations and such other conditions as the board of health may impose; and said license shall be revoked if the licensee fails to comply with the conditions of his license or the regulations of this board. All persons having a license to sell, deliver, or distribute milk in the city of Somerville shall keep a copy of the license constantly posted in a conspicuous place on the premises, and every person using a carriage or other vehicle for the delivery of milk for the purpose of sale in the city of Somerville shall have his name, license number, and place of business legibly placed on each outer side of such carriage or vehicle.

3. No milk shall be produced, kept, sold, or offered for sale in the city of Somerville from any cow or cows that are not properly cared for, or from any cow or cows within 15 days before or 15 days after parturition, or that have not, within one year, been examined by competent authority and certified to be free from all diseases dangerous to the public health, or that are kept in a stable that is not in a clean, healthful, and sanitary condition, and that is not open to inspection by the board of health or the milk inspector at all times.

4. No milk shall be produced, kept, sold, or offered for sale in the city of Somerville unless it has been strained, mixed, and cooled immediately after it is drawn from the cow. Said milk shall not be strained, mixed, or cooled in any room which is not provided with tight walls and floor of such construction as will allow easy and thorough cleaning, or which is not kept constantly clean, or which is occupied by horses, cows, or other animals; or in any room which is used in whole or in part for domestic or sleeping purposes, unless the storage

room for milk is separated from the other parts of the building and provision made for the exclusion of outside dust and flies, to the satisfaction of the board of health.

5. Milk kept for sale in any shop, restaurant, market, bakery, or other establishment shall be stored in a covered cooler box or refrigerator. No vessel containing milk for sale shall be allowed to stand outside of said cooler box or refrigerator, except while a sale of said milk is being made. Every such cooler box or refrigerator shall be properly drained, cleansed, and cared for, and shall be kept tightly closed, except during such intervals as are necessary for the introduction of milk or ice; and shall be kept only in such locations as shall be approved by the board of health.

6. The milk inspector shall, under the direction of this board, investigate and take samples, to determine the quality of the milk sold, offered, or exposed for sale, or intended for sale in this city; and he shall make, or cause to be made, examinations and inspections thereof, to ascertain whether or not adulterated or impure milk is sold, kept, offered, or exposed for sale, or intended for sale in said city, contrary to the statutes of this Commonwealth, or to the provisions of these rules and regulations. He shall visit dairies supplying milk in, and to the inhabitants of the city of Somerville, and all places where milk is stored, kept, or offered for sale, as often as deemed necessary by this board; and he shall report the conditions thereof at the time of such inspection, in writing, to this board. He shall act as agent and prosecuting officer for the board of health in all matters pertaining to milk.

7. All cans, bottles, or other vessels of any sort used in the production, storage, sale, or distribution of milk in this city shall be cleaned and sterilized with boiling water or steam before they are again used for the same purpose; and all cans, measures, or other utensils made of metal shall be kept free from dents and rust, and there shall be proper appliances for washing all utensils used in the production, mixing, storage, sale, or distribution of milk; and all such utensils shall be washed, cleaned, and sterilized with boiling water or steam, regularly, after being so used.

8. The water used in washing apparatus and utensils must be from a public water supply, or if from any other source its use must be subject to the approval of the board of health.

9. No milk shall be brought into or carried within the city of Somerville for the purpose of sale which has been carried upon any wagon or vehicle which is not clean and free from offensive odors, or upon which swill, refuse, garbage, or decaying, unwholesome, or filthy matter is carried.

10. No person, by himself, or by his servant or agent, or as the servant or agent of any other person, firm, or corporation, shall, in the city of Somerville, sell, exchange, or deliver, or have in his custody or possession with intent to sell, exchange, or deliver, any milk, skimmed milk, or cream which contains more than 500,000 bacteria per cubic centimeter, or any pathogenic microorganism, or the temperature of which is in excess of 50° F.

11. Every person engaged in the production, storage, transportation, sale, delivery, or distribution of milk for sale in this city shall notify the board of health immediately on the occurrence of any case or cases of infectious disease, either in himself or his family, or among his employees or their immediate associates, or within the building or premises where milk is stored, sold, or distributed, and at the same time shall suspend the sale or distribution of milk until authorized to resume the same by the board of health. No vessel which has been handled by a person suffering from a disease, or which is on the premises of a person in whose family or household infectious disease exists, shall be removed to hold or convey milk until it has been thoroughly disinfected and sterilized under the supervision of an agent of the board of health.

12. Bottles or other milk containers shall not be left with any family in which there is any contagious disease, but milk may be delivered to such families by pouring into vessels furnished by said families. No bottle or other container, previously left with any family in which a contagious disease occurs, shall be removed therefrom except with the consent of the board of health in writing.

13. For the purpose of enabling the board of health to carry out and enforce the provisions of these rules and regulations, the milk inspector, acting as the authorized agent of, or any other qualified inspector or agent of the board of health, or any member of said board, shall, at all times, have free access to all barns, stables, dairies, creameries, stores, wagons, and all other buildings or premises in which cattle are kept from which any part of the milk

supply of the city of Somerville is obtained, or in which milk is received, kept, bottled, canned, or offered for sale, for the purpose of making inspection of said premises, cattle, vehicles, cans, vessels, measures, and other utensils used in conducting the handling, sale, and delivery of milk, and for the purpose of taking for analysis or other tests to determine its quality samples of milk kept or intended for sale in the city of Somerville.

14. Whoever tests milk or cream which is to be offered for sale in any form, by tasting, shall do so by means of a spoon or piece of wood, paper, cardboard, or other article, and such spoon, piece of wood, paper, cardboard, or other article shall not again be brought in contact with the milk intended for sale, or be used for testing milk until after being thoroughly washed and sterilized. No person shall permit his hands, fingers, lips, or tongue to come in contact with milk intended for sale in any form. All persons engaged in the tasting, mixing, or handling of milk for sale in any form shall, before engaging in such tasting, mixing, or handling, thoroughly clean his hands and finger nails, and keep them clean and dry during such tasting, mixing, or handling. No person shall permit his hands while wet to remain or pass over any open vessel containing milk intended for sale in any form. No person shall fill a jar, can, or other receptacle with milk while the aforesaid jar, can, or other receptacle is held over an open vessel containing milk intended for sale in any form. No person who has sore throat, diarrhea, or is suffering from any other disturbance of the bowels, or has symptoms of infectious or contagious disease, who has been directly exposed to any infectious or contagious disease, shall engage in the handling of milk which is to be offered for sale or which is for sale.

15. No urinal, water-closet, or privy shall be located in rooms in which milk is handled, or so situated as to pollute the atmosphere of said rooms.

16. Dealers in milk are prohibited from allowing any person or persons not in their employ to loiter about the milk room or handle any vessel or utensil used in the sale and distribution of milk.

17. Every person, firm, or corporation in the city of Somerville engaged in the sale, delivery, or distribution of milk from dairies shall, upon request from the board, certify that the above rules are complied with by said dairies.

18. Whoever violates any of these regulations shall forfeit a sum not exceeding \$100, excepting when otherwise provided by law.

All regulations heretofore made shall be repealed and these regulations shall take effect on the 10th day of May, 1910.

SEC. 19. All persons engaged in the sale of milk, cream, skim milk, or butter-milk having the possession or custody of a bottle, can, or other receptacle used in the sale, delivery, or transportation of milk, cream, skimmed milk, or butter-milk shall cause every such bottle, can, or receptacle to be cleaned immediately after the same has been emptied, and no such person shall deliver, receive, or have in his possession or custody any such bottle, can, or receptacle so used which has not been cleaned as aforesaid. (Regulation, board of health, adopted May 3, 1910.)

SEATTLE, WASH.

BAKERIES, RESTAURANTS, KITCHENS, ETC.—CONTROL AND REGULATION.

SECTION 1. For the purpose of this ordinance the words defined in this section shall be held and construed to have the meaning herein set forth. The word "bakery" shall be construed to mean any place used for producing, mixing, compounding, or baking, for sale or use in any restaurant, bakeshop, hotel, or other place, any bread, cakes, pies, biscuits, crackers, rolls, macaroni, or other food products of which flour or meal is the principal ingredient.

The words "restaurant" or "kitchen" shall be construed to mean any place where, for pay, persons are served with food or furnished with table board, or where food is cooked or prepared for serving to the public as food, excepting, however, private homes in which table board is served or public boarding houses. The word "confectionery" shall be construed to mean any place where candies, confections, or sweetmeats are sold or offered for sale. The words "candy kitchen" shall be construed to mean any place where candy, confectionery, or sweetmeats are manufactured, prepared, or concocted for public consumption. The word "basement" shall be construed to mean a lower story of any building which is less than one-half of its height below the grade of the street or streets on which it faces, or of the general level of the ground. The word "cellar"

shall be construed to mean a lower story of a building which is more than one-half its height below the grade of the street or streets on which it faces.

The word "person," as used in this ordinance, shall be construed to include and mean the words person, firm, society, association, copartnership, corporation, or individual. The singular shall be construed to mean and include the plural, and the masculine the feminine.

SEC. 2. It shall be unlawful for any person to maintain and operate any bakery, restaurant, kitchen, candy kitchen, confectionery, or any other place where food products are manufactured, produced, concocted, prepared, sold, or offered for sale for public consumption, except in compliance with this ordinance, or other ordinance of the city of Seattle.

SEC. 3. Any person desiring to maintain and operate a bakery, kitchen, candy kitchen, restaurant, or confectionery in the city of Seattle shall first make written application therefor to the commissioner of health, setting forth the name of such persons, and the location thereof, by street and number. The commissioner of health shall thereupon cause such place, with all the fixtures and appliances connected therewith or to be used therein, to be carefully inspected, and if said applicant shall have fully complied with the provisions of this ordinance the said commissioner of health shall issue a written or printed permit to such applicant in accordance therewith.

SEC. 4. All permits issued pursuant to this ordinance shall expire on the 31st day of December of the year in which they are issued. No permit shall be transferable. All permits must be conspicuously posted in a public place upon the premises for which such permit was granted.

SEC. 5. It shall be unlawful to maintain or operate any bakery, restaurant, kitchen, candy kitchen, or confectionery in any basement, unless said basement shall have sufficient light and ventilation furnished from windows communicating directly with the outside air, or such artificial system or systems of light or ventilation as may be approved by the commissioner of health.

It shall be unlawful to maintain or operate any restaurant or kitchen, or any part thereof, in any basement or cellar, if the floor of which is more than 12 feet below the existing surface grade or the street or alley in which such basement or cellar faces, except said basement or cellar be a portion of a store, the floor of which is not below the surface of the street upon which it faces, and not partitioned off by a partition which is more than 7 feet in height from floor to top.

Whenever any basement or cellar, or portion thereof, used for any purpose in this ordinance provided for, shall not be supplied with a sufficient natural light or ventilation, or both, as herein required, the commissioner of health shall require the person maintaining or operating the same, within not more than 30 days, to install such artificial system of light or ventilation, or both, therein as shall comply with the provisions of this ordinance. If such person shall fail, neglect, or refuse to comply with such notice within the time herein specified, the commissioner of health shall forthwith close said premises until such order be fully complied with.

SEC. 6. It shall be unlawful for any person maintaining or operating any bakery, restaurant, kitchen, candy kitchen, or confectionery to permit any disagreeable or obnoxious odors to escape therefrom, so as to be in any way obnoxious to any person. Whenever such premises shall be constructed, operated, or maintained in such manner that any such disagreeable or obnoxious odors shall escape therefrom the commissioner of health shall issue a notice to the person maintaining or operating said premises, requiring him within not more than 30 days from and after date of said notice to construct a duct of sufficient size to carry all odors, gases, or fumes above the roof of any contiguous or adjacent building, and, if necessary, a proper fan or ventilating mechanism, satisfactory to the commissioner of health, to be connected with such duct to accelerate the removal of such odors, gases, or fumes. If such person shall fail, neglect, or refuse to comply with such notice within the time herein specified, the commissioner of health shall forthwith close said premises until such order be fully complied with.

SEC. 7. Every building occupied and used as a bakery, restaurant, kitchen, candy kitchen or confectionery, shall be well drained and all plumbing therein shall be constructed in accordance with ordinances or rules and regulations governing plumbers and plumbing in the city of Seattle; and the rooms thereof used for the manufacture, preparation, or sale of any food products herein provided for shall be light, dry, and airy, and shall be used exclusively for such purpose, and shall have tight floors and walls and shall, at all times, be

kept free from moisture and in a state of good repair. Said floors shall have a smooth surface and be impervious to water, and may be constructed of wood, cement, or tile laid in cement; provided, however, that no wood floor shall be constructed in any room used for the manufacture of any food products where the floor of said room is below the level of the street, sidewalk, or adjacent grounds.

The walls and ceilings of such rooms used for the manufacture of any food products shall be properly whitewashed or painted at least once every year or oftener, when required by the commissioner of health; the floor, utensils, and furniture of said rooms as are used for the manufacture, storing, or sale of said products shall at all times be kept in a clean and sanitary condition. The furniture and utensils of such rooms shall also be arranged so that the same can be easily and perfectly cleaned.

SEC. 8. It shall be unlawful for any bakery, restaurant, kitchen, candy kitchen, or confectionery to be used as a sleeping place. It shall be unlawful for any water-closet or ash pit to be within or communicate directly with the bake room or any other room used to manufacture any food products. It shall be unlawful for any workman, while engaged in the manufacture of any food products, to fail to wear caps, slippers, or shoes; and an external suit of white cotton or similar fabric used for that purpose only, and these garments shall at all time be kept clean.

SEC. 9. It shall be unlawful for any person to fail to maintain or operate any bakery or kitchen not provided with ample toilet facilities to enable the employees therein to keep their persons clean, and not provided with separate dressing rooms to enable the employees to change their clothing and keep the same in proper condition, and not provided with separate toilet facilities for male and female employees therein.

SEC. 10 (as amended by ordinance No. 26066). It shall be unlawful for any person afflicted with any contagious or infectious disease, such as typhus, typhoid, ship or yellow fever, Asiatic cholera, diphtheria, smallpox, or membranous croup, scarlet fever, measles, German measles, whooping cough, mumps, chickenpox, cerebrospinal meningitis, bubonic plague, or tuberculosis, or any venereal disease in a contagious state, or who shall suspect that he has any of the above-mentioned diseases, or who has any rash or skin trouble, or in which place of residence any contagious or infectious disease exists, to work or be employed in or for any person to employ such person in or about any place where any food products are manufactured or prepared for food, or is sold or offered for sale during the time said disease exists, or thereafter until the commissioner of health shall issue a certificate that there is no danger from employment of said person in such establishment. It shall be unlawful for any person to work or be employed in any bakery, kitchen, candy kitchen, or confectionery unless he shall furnish and place on file, within 48 hours from date of employment, with the person in charge of such establishment a certificate from the commissioner of health of the city of Seattle, certifying that such person has been examined by the commissioner of health, or his duly authorized agent, and that there is no danger from the employment of such person, such certificate to be issued and such examination to be made by the commissioner of health without charge to the applicant for such examination and certificate. Such certificate shall be at all times kept on file in the office of the employer of such person and open for inspection at all reasonable hours by the commissioner of health or his duly authorized assistants, and if at any time any infectious or contagious disease, rash, or skin trouble shall appear, the commissioner of health shall have the authority to at once exclude such person from the establishment where employed, and it shall be unlawful for any person so excluded to return to work, or for the employer to allow such person so affected to work in his establishment, so long as said person is affected with any contagious or infectious disease, rash, or skin trouble. It shall be the duty of each employee in any bakery, restaurant, candy kitchen, or confectionery to furnish to his employer, or person in charge of the above-named establishments, such certificate of health annually.

SEC. 11. It shall be unlawful for any person to expectorate within any place where food of any character is prepared for human use, except in special receptacles maintained for the purpose. Such receptacles shall be made of some material impervious to water, and shall be cleaned at least once in every 24 hours. A sufficient number of such receptacles shall be provided in every place

where food is prepared. It shall be unlawful for any person to commit a nuisance of any character within any place where food for human use is prepared.

SEC. 12. Notice forbidding all persons to use tobacco or to spit upon the floor or side walls shall be posted in every bakeshop or kitchen.

SEC. 13. It shall be the duty of every occupant, whether owner or lessee, of every room or building used for the manufacturing of food products, to carry out the provisions of this ordinance and to make all changes and additions necessary therefor.

SEC. 14. It shall be the duty of the commissioner of health or his duly authorized assistants to inspect such places, fixtures, appliances, and material from time to time during the term the permit as aforesaid shall be in force. The commissioner of health shall be charged with the general supervision, control, and regulation of all bakeries, restaurants, kitchens, candy kitchens, and confectioneries, and all other places where food products are manufactured, prepared, concocted, or assembled for public consumption, and with the enforcement of the provisions of this ordinance.

SEC. 15. It shall be unlawful for any person to maintain or operate any place or premises for the sale of food products, except the same be kept in clean and sanitary condition, subject to the approval of the commissioner of health, and no such food products shall be kept or exposed for sale in the open air, but all bread or candy, or other such food products offered for sale, shall be kept in glass cases or jars, or protected from dust and dirt in such manner as shall be approved by the commissioner of health.

SEC. 16. Any person convicted of violating any of the provisions of this ordinance shall be fined not to exceed \$100, or be committed to the city jail for a period of not exceeding 30 days, or may be both so fined and imprisoned.

SEC. 17. This ordinance shall take effect and be in force 30 days from and after its passage and approval, if approved by the mayor; otherwise it shall take effect at the time it shall become a law under the provisions of the city charter. (Ordinance approved June 30, 1910.)

LEPROSY AND PELLAGRA IN RHODE ISLAND.

Dr. Gardner T. Swarts, secretary State Board of Health, Rhode Island, reported June 15:

Leprosy.—A case of leprosy was discovered in this State May 1 in the person of a boy aged 15 in attendance upon public school. He was born in Louisiana where he lived for four years and resided one year in North Carolina and the rest of his life in Pawtucket, R. I. The symptoms of the disease probably date back 5 years. The case was discovered in the out-patient department of the Massachusetts General Hospital, and the boy was immediately transferred to his home in Pawtucket. The type of the disease is nodular and tubercular, affecting the face including the nose and lips, and is quite typical in appearance. There is some numbness of the face and the leonine expression is present. Lepra bacilli are present in large quantities in the secretions from the nose. The hands are slightly thickened. The patient has been kept isolated in his own family.

Pellagra.—Eight cases of pellagra are present in the insane hospital at the State institution at Cranston. Three patients died of the disease during the latter part of the year 1910. Another case was noted two weeks ago.

PLAGUE-PREVENTION WORK.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California, on San Francisco Bay, 325 acres of land in Alameda County were covered with poison during the week ended June 3, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
<i>Cities—</i>				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
<i>Counties—</i>				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.	May 24, 1911....	103 squirrels. 1 wood rat.
Contra Costa.....	July 21, 1908.....	None.....	Apr. 3, 1911.....	248 squirrels.
Merced.....	None.....	do.....	Mar. 20, 1911.....	3 squirrels.
Monterey.....	do.....	do.....	June 6, 1910.....	4 squirrels.
San Benito.....	June 5, 1910.....	do.....	July 11, 1910.....	20 squirrels.
San Joaquin.....	None.....	do.....	May 17, 1911.....	15 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	1 squirrel.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	23 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910.....	3 squirrels.
Stanislaus.....	do.....	do.....	Apr. 10, 1911.....	11 squirrels.
Washington:				
<i>Cities—</i>				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	22 rats.

Rats Collected and Examined for Plague Infection.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	June 3		1 105	77	
Oakland.....	do.....	19	2 606	492	
San Francisco.....	do.....	21	2 1,344	962	
Counties—					
Contra Costa.....	do.....	1	1	1	
Washington:					
Cities—					
Seattle.....	do.....		881	751	
Total.....		41	2,937	2,273	

¹ Identified, *Mus norvegicus* 85, *Mus musculus* 20.

² Identified, *Mus norvegicus* 557, *Mus musculus* 48, *Mus alexandrinus* 1.

³ Identified, *Mus norvegicus* 769, *Mus musculus* 279, *Mus rattus* 164, *Mus alexandrinus* 112.

⁴ Identified, *Mus norvegicus* 1.

Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
California:					
Cities—					
San Francisco.....	June 3	4			
Counties—					
Alameda.....	do.....	153	9	160	
Amador.....	do.....	9		9	
Calaveras.....	do.....	87		87	
Colusa.....	do.....	149		149	
Contra Costa.....	do.....	237		237	
El Dorado.....	do.....	48		48	
Fresno.....	do.....	118		118	
Glenn.....	do.....	52		52	
Lake.....	do.....	144		140	
Los Angeles.....	do.....	229		221	
Madera.....	do.....	176		176	
Mariposa.....	do.....	30		30	
Mendocino.....	do.....	132	4	136	
Merced.....	do.....	400		400	
Monterey.....	do.....	1,426		1,410	
Nevada.....	do.....	56	4	60	
Plumas.....	do.....	5		5	
Riverside.....	do.....	445		445	
San Benito.....	do.....	129	11	140	
San Joaquin.....	do.....	291		291	
San Luis Obispo.....	do.....	405	2	407	
San Mateo.....	do.....	159		159	
Santa Clara.....	do.....	100	1	101	
Siskiyou.....	do.....	87		87	
Sonoma.....	do.....	54		54	
Stanislaus.....	do.....	461	1	462	
Sutter.....	do.....	23		23	
Tehama.....	do.....	16		16	
Tuolumne.....	do.....	19		19	
Yolo.....	do.....	153		153	
Total.....		5,793	32	5,795	

Other Animals Collected and Examined.

Places.	Week ended.	Animals collected.	Examined.	Found infected.
California:				
Cities—				
San Francisco.....	June 3	1 gopher.....		
Counties—				
El Dorado.....	do	1 rabbit.....	1	
Fresno.....	do	2 rabbits.....	2	
Madera.....	do	5 rabbits.....	5	
Merced.....	do	do.....	5	
Monterey.....	do	3 weasels.....	3	
Plumas.....	do	8 chipmunks, 9 prairie dogs.	8	
San Mateo.....	do	1 gopher.....	1	
San Joaquin.....	do	7 rabbits.....	7	
Stanislaus.....	do	do.....	7	
San Benito.....	do	1 rabbit.....	1	
San Luis Obispo.....	do	4 rabbits, 1 gopher, 1 wood rat, 1 bat, 10 field mice.	6	
Sonoma.....	do	20 rabbits.....	20	
Sutter.....	do	1 rabbit.....	1	
Tehama.....	do	do.....	1	
Yolo.....	do	3 rabbits.....	3	
Total.....			71	

SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

Reports Received During Week Ended June 23, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Mobile quarantine station..	Apr. 23-May 22.....			Two cases from Mobile, removed from vessels. One case from s. s. Georgia Gilkey, from Mobile.
	May 20.....			
Florida:				
Counties—				
De Soto.....	May 28-June 3....	1		
Duval.....	do.....	5		
Escambia.....	do.....	3		
Gadsden.....	do.....	36		
Hillsboro.....	do.....	2		
Lake.....	do.....	2		
Leon.....	do.....	9		
Polk.....	do.....	1		
Putnam.....	do.....	3		
Santa Rosa.....	do.....	1		
Walton.....	do.....	4		
Total for State.....		67		
Louisiana:				
New Orleans.....	June 4-10.....	3		
*Nebraska:				
Omaha.....	May 28-June 10....	3		
South Omaha.....	May 21-June 10....	3		
Total for State.....		6		
New Jersey:				
Counties—				
Salem.....	May 1-31.....	3		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 23, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Ohio:				
Counties—				
Adams.....	May 1-31.....	2		
Butler.....	do.....	15		
Clark.....	do.....	8		
Crawford.....	do.....	1		
Franklin.....	do.....	6		
Hamilton.....	do.....	34		
Hardin.....	do.....	2		
Hocking.....	do.....	1		
Lawrence.....	do.....	1		
Lucas.....	do.....	1		
Marion.....	do.....	5		
Perry.....	do.....	12		
Total for State.....		88		
Oklahoma:				
Counties—				
Beckham.....	Apr. 1-30.....	7		
Blaine.....	do.....	2		
Caddo.....	do.....	2		
Carter.....	do.....	7		
Cnoctaw.....	do.....	5		
Cleveland.....	do.....	34		
Creek.....	do.....	37		
Garvin.....	do.....	8		
Hughes.....	do.....	7		
Jefferson.....	do.....	8		
Johnston.....	do.....	4		
Kay.....	do.....	2		
Kingfisher.....	do.....	10		
McClain.....	do.....	19		
McIntosh.....	do.....	1		
Marshall.....	do.....	3		
Muskogee.....	do.....	3		
Nowata.....	do.....	2		
Oklahoma.....	do.....	9		
Okmulgee.....	do.....	2		
Pittsburg.....	do.....	30		
Pontotoc.....	do.....	3		
Roger Mills.....	do.....	9		
Rogers.....	do.....	3		
Washington.....	do.....	1		
Washita.....	do.....	1		
Total for State.....		219		
Oregon:				
Counties:				
Union.....	Jan. 1-31.....	1		
Multnomah.....	Mar. 1-31.....	1		
Total for State.....		2		
South Dakota:				
Counties—				
Beadle.....	Jan. 1-31.....	4		
Brookings.....	do.....	12		
Brule.....	do.....	7		
Deuel.....	do.....	1		
Gregory.....	do.....	2		
Lincoln.....	do.....	1		
Lyman.....	do.....	35		
Miner.....	do.....	5		
Spink.....	do.....	10		
Total for State.....		77		
Aurora.....	Feb. 1-28.....	1		
Beadle.....	do.....	2		
Brookings.....	do.....	6		
Brule.....	do.....	8		
Charles Mix.....	do.....	4		
Davison.....	do.....	2		
Grant.....	do.....	3		
Gregory.....	do.....	6		
Hamlin.....	do.....	1		
Hanson.....	do.....	1		
Hughes.....	do.....	1		
Kingsbury.....	do.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 23, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
South Dakota—Continued.				
Counties—Continued.				
Lincoln	Feb. 1-28	2		
Lyman	do.	26		
Miner	do.	6		
Minnehaha	do.	2		
Pennington	do.	5		
Perkins	do.	4		
Spink	do.	11		
Stanley	do.	5		
Tripp	do.	4		
Turner	do.	5		
Union	do.	3		
Total for State		109		
Aurora	Mar. 1-31	8		
Beadle	do.	3		
Brookings	do.	1		
Brown	do.	1		
Brule	do.	6		
Clark	do.	1		
Clay	do.	1		
Davison	do.	2		
Douglas	do.	1		
Fall River	do.	3		
Grant	do.	13		
Hamlin	do.	2		
Lyman	do.	11		
Miner	do.	2		
Minnehaha	do.	1		
Pennington	do.	10		
Spink	do.	16		
Tripp	do.	1		
Union	do.	1		
Total for State		84		
*Tennessee:				
Counties—				
Knox	May 28-June 10	19		
Shelby	May 1-31	25		
Total for State		44		
Wisconsin:				
Counties—				
Ashland	May 1-31	4		
Barron	do.	3		
Dunn	do.	1		
Dane	do.	8		
Eau Claire	do.	4		
Iowa	do.	34		
Milwaukee	do.	4		
Monroe	do.	2		
Oneida	do.	1		
Price	do.	1		
Pepin	do.	4		
Richland	do.	2		
Rusk	do.	2		
Total for State		70		

Reports Received from Dec. 31, 1910, to June 16, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Birmingham	Apr. 2-May 6	4		One case from steamship Alamo, from New York via Key West and Tampa.
Mobile Quarantine Station	May 8			
Montgomery	Dec. 11-June 3	31		
Total for State		35		

SMALLPOX IN THE UNITED STATES—Continued.
 Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
*Arkansas:				
Little Rock.....	May 1-31.....	4		
California:				
Counties—				
Alameda.....	Dec. 1-31.....	3		
Imperial.....	do.....	1		
Fresno.....	Apr. 1-30.....	8		
Humboldt.....	Dec. 1-Jan. 31.....	2		
Kern.....	Dec. 1-31.....	1		
Los Angeles.....	Dec. 1-Apr. 30.....	13		
Mariposa.....	Jan. 1-31.....	1		
Monterey.....	Mar. 1-31.....	1		
Napa.....	do.....	1		
Riverside.....	Jan. 1-Mar. 31.....	24	1	
San Bernardino.....	Jan. 1-31.....	3		
San Diego.....	Dec. 1-Feb. 28.....	16	1	
San Francisco.....	do.....	11		
San Joaquin.....	Dec. 1-31.....	2		
Santa Clara.....	Feb. 1-28.....	1		
Santa Cruz.....	Feb. 1-Mar. 31.....	2		
Ventura.....	Jan. 1-31.....	9		
Total for State.....		99	2	
Colorado:				
Counties—				
Adams.....	Dec. 1-Apr. 30.....	8		
Arapahoe.....	Dec. 1-Feb. 28.....	19		
Archuleta.....	Dec. 1-Apr. 30.....	36		
Boulder.....	do.....	33		
Chaffee.....	Mar. 1-May 31.....	19		
Clear Creek.....	May 1-31.....	1		
Conejos.....	Dec. 1-Apr. 30.....	25		
Costilla.....	Jan. 1-31.....	5		
Delta.....	Feb. 1-May 31.....	16		
Denver.....	Dec. 1-May 31.....	440		
Douglas.....	Mar. 1-Apr. 30.....	2		
Eagle.....	Jan. 1-31.....	1		
Elbert.....	Feb. 1-May 31.....	22		
El Paso.....	Dec. 1-May 31.....	36		
Fremont.....	Dec. 1-Apr. 30.....	15		
Garfield.....	Jan. 1-Apr. 30.....	8		
Gilpin.....	Jan. 1-31.....	1		
Grand.....	Dec. 1-31.....	2		
Gunnison.....	Mar. 1-Apr. 30.....	22		
Huerfano.....	Dec. 1-Apr. 30.....	22		
Jefferson.....	Dec. 1-May 31.....	20		
Kit Carson.....	Jan. 1-May 31.....	3		
La Plata.....	Dec. 1-Mar. 31.....	24		
Larimer.....	Jan. 1-May 31.....	145		
Las Animas.....	Dec. 1-May 31.....	71		
Lincoln.....	Mar. 1-May 31.....	29		
Logan.....	Mar. 1-May 31.....	3		
Mesa.....	May 1-31.....	3		
Mineral.....	Jan. 1-31.....	2		
Moffat.....	May 1-31.....	3		
Montezuma.....	Dec. 1-31.....	1		
Montrose.....	Jan. 1-Apr. 30.....	16		
Morgan.....	Dec. 1-Mar. 31.....	54		
Otero.....	Feb. 1-May 31.....	39		
Phillips.....	Feb. 1-28.....	29		
Pitkin.....	May 1-31.....	1		
Pueblo.....	Dec. 1-May 31.....	41	1	
Rio Grande.....	Jan. 1-Apr. 30.....	18		
Routt.....	Apr. 1-May 31.....			
Saguache.....	Dec. 1-31.....	3		
San Miguel.....	Apr. 1-May 31.....	5		
Sedgwick.....	Mar. 1-31.....	3		
Summit.....	Feb. 1-28.....	1		
Teller.....	Jan. 1-Apr. 30.....	10		
Weld.....	Feb. 1-May 31.....	30		
Yuma.....	Mar. 1-31.....	1		
Total.....		1,284	1	
Connecticut.....	Dec. 1-May 31.....			No cases.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
* Delaware:				
Reedy Island quarantine..	May 1.....	.....	.....	One case from s. s. Haverford from Liverpool.
District of Columbia.....	Jan. 15-June 3.....	23		
Florida:				
Counties—				
Alachua.....	Dec. 18-May 27....	90	1	
Baker.....	Jan. 9-14.....	1		
Bradford.....	Jan. 16-May 6.....	8		
Brevard.....	Feb. 19-May 27....	9		
Calhoun.....	Jan. 29-Mar. 25....	27		
Citrus.....	Jan. 8-Mar. 11....	2		
Clay.....	May 16-22.....	11		
Dade.....	Dec. 25-May 13....	6		
De Soto.....	Mar. 1-May 27....	7		
Duval.....	Jan. 1-May 27....	363	1	
Escambia.....	Jan. 1-May 27....	129		
Franklin.....	Jan. 8-May 13....	27	1	
Gadsden.....	Dec. 18-May 13....	128		
Hamilton.....	Mar. 26-Apr. 1....	1		
Hillsboro.....	Dec. 25-May 27....	132		
Jackson.....	do.....	231		
Fernando.....	Mar. 19-25.....	1		
Jefferson.....	Feb. 5-May 6.....	5		
Lafayette.....	Jan. 16-Feb. 4....	6		
Lake.....	Jan. 22-Apr. 8....	11		
Lee.....	Jan. 8-Mar. 4....	21		
Leon.....	Dec. 18-May 6....	144	2	
Levy.....	Jan. 29-May 6....	4		
Liberty.....	Feb. 26-Apr. 15....	7		
Madison.....	Dec. 18-Jan. 21....	19		
Manatee.....	Mar. 26-Apr. 1....	1		
Marion.....	May 7-13.....	2		
Nassau.....	Jan. 16-21.....	2		
Orange.....	do.....	1		
Osceola.....	Mar. 25.....	3		
Pasco.....	Apr. 2-8.....	5		
Polk.....	Dec. 18-May 27....	155		
Putnam.....	Feb. 12-May 27....	2)		
St. John.....	Jan. 22-May 27....	9		
Santa Rosa.....	Jan. 8-May 27....	4)		
Sumter.....	May 7-13.....	1		
Suwanee.....	Jan. 16-21.....	1		
Taylor.....	Jan. 8-Feb. 4....	140		
Volusia.....	May 20.....	16		
Wakula.....	Mar. 1-31.....	2		
Walton.....	Dec. 25-Feb. 25....	8		
Washington.....	Jan. 8-Apr. 8....	8		
Total for State.....		1,803	5	
* Georgia:				
Macon.....	Mar. 1-Apr. 30....	14		
Illinois:				
Counties—				
Adams.....	Feb. 1-Apr. 30....	6		
Alexander.....	Apr. 1-30.....	1		
Bond.....	Jan. 1-Apr. 30....	10		
Carrroll.....	Feb. 1-28.....	1		
Clay.....	Feb. 1-Mar. 31....	4		
Clinton.....	Mar. 1-Apr. 30....	44		
Coles.....	Dec. 1-Apr. 30....	15		
Cook.....	do.....	59		
Douglas.....	Mar. 1-Apr. 30....	8		
Edgar.....	do.....	9		
Effingham.....	Dec. 31-Feb. 28....	2		
Fulton.....	Apr. 1-30.....	5		
Jackson.....	Mar. 1-Apr. 30....	8		
Jasper.....	Dec. 1-31.....	4		
Jefferson.....	do.....	4		
Kane.....	Dec. 1-Apr. 30....	30		
Livingston.....	Mar. 1-31.....	1		
Logan.....	Apr. 1-30.....	3		
McLean.....	Jan. 1-Apr. 30....	23		
Macoupin.....	Feb. 1-Mar. 31....	2		
Madison.....	Dec. 1-Apr. 30....	22		
Mercer.....	Apr. 1-30.....	1		
Massac.....	Mar. 1-31.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Counties—Continued.				
Montgomery	Apr. 1-30	6		
Morgan	do	5		
Peoria	Dec. 1-Mar. 31	9		
Perry	Dec. 1-31	2		
Pulaski	Mar. 1-Apr. 30	3		
Rock Island	Mar. 1-31	1		
St. Clair	Apr. 1-30	7		
Saline	Jan. 1-Feb. 28	8		
Shelby	Mar. 1-Apr. 30	8		
Stevenson	Jan. 1-31	3		
Tazewell	Mar. 1-31	2		
Union	Dec. 1-Feb. 28	17		
Vermilion	Jan. 1-Apr. 30	20		
Washington	Feb. 1-28	1		
White	Apr. 1-30	12		
Williamson	Jan. 1-31	1		
Total for State		368		
Indiana:				
Counties—				
Adams	Feb. 1-28	6		
Allen	Feb. 1-Apr. 30	5		
Benton	Apr. 1-30	1		
Blackford	Feb. 1-Apr. 30	21		
Cass	Jan. 1-Apr. 30	29	1	
Clark	Mar. 1-Apr. 30	21		
Clay	Feb. 1-Apr. 30	11		
Daviess	Feb. 1-28	1		
Decatur	Jan. 1-Apr. 30	4		
Dekalb	Dec. 1-Feb. 28	9		
Delaware	Feb. 1-Apr. 30	19		
Elkhart	Dec. 1-31	5		
Floyd	Apr. 1-30	4		
Fountain	Mar. 1-Apr. 30	3	1	
Greene	Feb. 1-28	1		
Howard	Dec. 1-Apr. 30	49		
Huntington	Feb. 1-Apr. 30	5		
Jay	Apr. 1-30	1		
Jennings	Jan. 1-31	6		
Knox	Dec. 1-Mar. 31	11		
Lake	Mar. 1-31	1		
Laporte	Apr. 1-30	5		
Madison	Dec. 1-Apr. 30	199		
Marion	Jan. 1-Apr. 30	5		
Miami	Apr. 1-30	1		
Montgomery	Dec. 1-Mar. 31	15		
Monroe	Mar. 1-31	1		
Noble	Jan. 1-31	1		
Posey	Jan. 1-Apr. 30	2		
Pulaski	Apr. 1-30	1		
Shelby	Mar. 1-31	25		
St. Joseph	Feb. 1-Apr. 30	8		
Steuben	Jan. 1-Feb. 28	7		
Sullivan	Mar. 1-Apr. 30	3		
Tippecanoe	Mar. 1-31	1		
Tipton	Apr. 1-30	7		
Vermilion	do	3		
Vigo	Jan. 1-Mar. 31	24		
Wabash	Feb. 1-Mar. 31	18		
Warren	Jan. 1-Mar. 31	2		
Wayne	Jan. 1-Apr. 30	28		
Wells	Mar. 1-Apr. 30	7		
White	Apr. 1-30	2		
Total for State		578	2	
Iowa:				
Counties—				
Adams	May 1-31	5		
Audubon	do	1		
Benton	Jan. 1-Apr. 30	13		
Blackhawk	Feb. 1-Apr. 30	28		
Boone	Feb. 1-28	1		
Buena Vista	Dec. 1-31	1		
Carroll	Mar. 1-May 31	4		
Cherokee	Mar. 1-31	1		
Clay	May 1-31	1		
Crawford	do	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Iowa—Continued.				
Counties—Continued.				
Dallas.....	Feb. 1—Mar. 31.....	3		
Decatur.....	Mar. 1—May 31.....	3		
Dubuque.....	Feb. 1—23.....	1		
Fayette.....	Apr. 1—30.....	2		
Fremont.....	Feb. 1—May 31.....	32		
Grundy.....	Apr. 1—30.....	1		
Guthrie.....	Jan. 1—May 31.....	9		
Hancock.....	Jan. 1—31.....	3		
Iowa.....	Apr. 1—30.....	1		
Jasper.....	Apr. 1—May 31.....	4	1	
Jefferson.....			1	
Johnson.....	Jan. 1—May 31.....	3		
Jones.....	Apr. 1—30.....	1		
Keokuk.....	Apr. 1—May 31.....	8		
Lee.....	Dec. 1—31.....	1		
Linn.....	Dec. 1—May 31.....	151	1	
Lucas.....	Jan. 1—31.....	1		
Lyon.....	Dec. 1—May 31.....	8		
Madison.....	Apr. 1—May 31.....	6		
Mahaska.....	Feb. 1—23.....	1		
Marshall.....	Dec. 1—May 31.....	24		
Mills.....	Apr. 1—May 31.....	13		
Montgomery.....	Apr. 1—30.....	3		
Muscatine.....	Mar. 1—31.....	1		
Page.....	Dec. 1—Mar. 31.....	36	1	
Plymouth.....	Mar. 1—Apr. 30.....	2		
Polk.....	Dec. 1—May 31.....	60		
Pottawattamie.....	Jan. 1—May 31.....	33		
Sac.....	Apr. 1—May 31.....	23		
Scott.....	Dec. 1—May 31.....	15		
Shelby.....	May 1—31.....	1		
Sioux.....	Feb. 1—Mar. 31.....	2		
Tama.....	Mar. 1—31.....	1		
Taylor.....	Dec. 1—May 31.....	65		
Union.....	Jan. 1—Feb. 28.....	3		
Warren.....	Dec. 1—Apr. 30.....	3		
Webster.....	Dec. 1—31.....	10		
Winnebago.....	Jan. 1—31.....	1		
Woodbury.....	Dec. 1—Mar. 31.....	15		
Total for State.....		606	4	
Kansas:				
Counties—				
Pawnee.....	Nov. 1—30.....	1		
Reno.....	do.....	1		
Allen.....	Dec. 1—Feb. 28.....	7		
Anderson.....	Jan. 1—31.....	1		
Atchison.....	Dec. 1—Mar. 31.....	32		
Barton.....	Feb. 1—Mar. 28.....	2		
Bourbon.....	Mar. 1—31.....	8		
Brown.....	Dec. 1—Mar. 31.....	57	1	
Butler.....	Dec. 1—Jan. 31.....	2		
Cherokee.....	Dec. 1—Mar. 31.....	119		
Clay.....	Dec. 1—Feb. 28.....	15		
Cloud.....	Feb. 1—Mar. 31.....	76		
Crawford.....	Feb. 1—23.....	3		
Decatur.....	Dec. 1—31.....	1		
Dickinson.....	Dec. 1—Mar. 31.....	34		
Doniphan.....	do.....	23		
Douglas.....	Jan. 1—Feb. 28.....	7		
Ford.....	Mar. 1—31.....	1		
Greenwood.....	Feb. 1—Mar. 31.....	92		
Harper.....	Jan. 1—Mar. 31.....	20		
Jackson.....	Feb. 1—Mar. 31.....	11		
Jefferson.....	Dec. 1—Mar. 31.....	13		
Jewell.....	Jan. 1—31.....	17		
Johnson.....	Dec. 1—Mar. 31.....	34		
Kearney.....	Jan. 1—Mar. 31.....	7		
Kingman.....	Dec. 1—Feb. 28.....	2		
Leavenworth.....	Jan. 1—Mar. 31.....	11		
Leavenworth.....	Dec. 1—Mar. 31.....	5	1	
Linn.....	Mar. 1—31.....	3		
Lyon.....	Jan. 1—31.....	1		
McPherson.....	Feb. 1—Mar. 31.....	6		
Marion.....	Jan. 1—Feb. 28.....	6		
Marshall.....	Dec. 1—Mar. 31.....	136		

Year 1910, in delinquent report received after Jan. 1, 1911.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued, Counties—Continued.				
Miami	Feb. 1-28	1		
Mitchell	Apr. 1-30	18		
Montgomery	Dec. 1-Mar. 31	30		
Morris	Mar. 1-31	9		
Morton	Jan. 1-Feb. 28	12		
Nemaha	Dec. 1-Feb. 28	8		
Norton	Jan. 1-Mar. 31	5		
Osage	Dec. 1-Mar. 31	2		
Ottawa	Feb. 1-Mar. 31	39		
Pottawatomie	Jan. 1-Mar. 31	19		
Reno	Dec. 1-31	1		
Republic	Mar. 1-31	9		
Riley	Jan. 1-31	8		
Rooks	Dec. 1-Mar. 31	2		
Russell	Jan. 1-Feb. 28	2	1	
Saline	Jan. 1-Mar. 31	29		
Sedgwick	do	5		
Shawnee	Dec. 1-Mar. 31	14		
Sumner	Dec. 1-31	6		
Washington	Jan. 1-Feb. 28	5		
Wichita	Feb. 1-28	2		
Wilson	do	1		
Wyandotte, exclusive of Kansas City.	Dec. 1	15		
Kansas City	Dec. 1-Mar. 31	52		
Total for State		1,048	3	
*Kentucky:				
Henderson	Feb. 22-28	4		
Lexington	Feb. 26-Apr. 8	3		
Newport	Apr. 23-May 6	2		
Paducah	Jan. 23-Apr. 22	33		
Total for State		42		
Louisiana:				
Parishes—				
Ascension	Dec. 1-31	1		
Calcasieu	Jan. 1-31	13	1	
East Baton Rouge	Dec. 1-31	25		
East Feliciana	do	30		
Iberville	do	6		
Lafourche	Jan. 1-31	16		
Orleans—				
New Orleans	Dec. 18-June 3	228	1	
Rapides	Dec. 1-31	1		
St. Charles	do	4		
St. John	do	1		
Tangipahoa	Nov. 1-Dec. 31	22		
Tensas	Dec. 1-Jan. 31	20		
Washington	do	5		
Total for State		372	2	
Maine				
	Dec. 1-Mar. 31			No cases.
Counties—				
Penobscot	Apr. 1-May 31	2		
Piscataquis	do	4		
Total for State		6		
Maryland				
Counties—				
Baltimore	Feb. 1-28	2		
Frederick	May 1-31	2		
Garrett	Jan. 1-Feb. 28	10		
Washington	Apr. 1-May 31	12		
Total for State		26		December and March, no cases.
Massachusetts				
Counties—				
Essex	May 1-31	1		
Middlesex	do	1		
Norfolk	do	2		
Suffolk	Apr. 1-30	1		
Total for State		5		Nov. 1-Mar. 31, no cases.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Michigan.....	Jan. 1-Feb. 28.....	16		Not previously reported.
Counties—				
Alcona.....	Dec. 1-31.....	1		
Alger.....	Dec. 1-Feb. 28.....	2		
Alpena.....	Jan. 1-Mar. 31.....	2		
Antrim.....	Jan. 1-Apr. 30.....	11		
Arenac.....	Dec. 1-Jan. 31.....	7		
Barry.....	Feb. 1-28.....	1		
Bay.....	Dec. 1-Jan. 31.....	2		
Calhoun.....	Dec. 1-Apr. 30.....	19	1	
Cass.....	Feb. 1-28.....	2		
Charlevoix.....	Dec. 1-Feb. 28.....	24		
Cheboygan.....	Dec. 1-Apr. 30.....	49		
Chippewa.....	Mar. 1-31.....	1		
Clare.....	Jan. 1-31.....	8		
Clinton.....	Dec. 1-31.....	3		
Crawford.....	Dec. 1-Jan. 31.....	6		
Eaton.....	Dec. 1-Apr. 30.....	8		
Emmet.....	Jan. 1-Apr. 30.....	95		
Genesee.....	Dec. 1-Feb. 28.....	14	1	
Gladwin.....	do.....	4	1	
Grand Traverse.....	Dec. 1-Mar. 31.....	4		
Gratiot.....	Dec. 1-Feb. 28.....	10		
Houghton.....	Feb. 1-28.....	5		
Huron.....	Jan. 1-Apr. 30.....	10		
Ingham.....	Dec. 1-Mar. 31.....	4		
Ionia.....	Jan. 1-Apr. 30.....	28		
Iron.....	Apr. 1-30.....	1		
Isabella.....	Dec. 1-Apr. 30.....	25		
Kalamazoo.....	Dec. 1-Jan. 31.....	6		
Kent.....	Mar. 1-31.....	2		
Keweenaw.....	Dec. 1-Feb. 28.....	16		
Lake.....	Dec. 1-31.....	3		
Lapeer.....	do.....	1		
Leelanau.....	Jan. 1-31.....	2		
Lenawee.....	Apr. 1-30.....	1		
Livingston.....	Feb. 1-28.....	1		
Mackinac.....	do.....	4		
Macomb.....	Feb. 1-Mar. 31.....	14		
Marquette.....	Dec. 1-Mar. 31.....	11		
Mason.....	Mar. 1-Apr. 30.....	3		
Midland.....	Dec. 1-31.....	3		
Missaukee.....	do.....	3		
Monroe.....	do.....	2		
Muskegon.....	Jan. 1-Apr. 30.....	4		
Newaygo.....	Jan. 1-31.....	3		
Oceana.....	Mar. 1-Apr. 30.....	17		
Presque Isle.....	Dec. 1-Mar. 31.....	2		
Saginaw.....	do.....	4	3	
St. Clair.....	Dec. 1-Apr. 30.....	11		
Salinac.....	Jan. 1-Feb. 28.....	8		
Shiawassee.....	Mar. 1-31.....	3		
Tuscola.....	do.....	1		
Van Buren.....	Apr. 1-30.....	1		
Washtenaw.....	Dec. 1-Apr. 30.....	8		
Wayne.....	do.....	7		
Wexford.....	Dec. 1-Mar. 31.....	6		
Total for State.....		509	6	
Minnesota:				
Counties—				
Beltrami.....	Dec. 19-Feb. 13.....	6		
Bigstone.....	Dec. 26-Jan. 1.....	1		
Blue Earth.....	Dec. 19-Mar. 20.....	2		
Cass.....	Apr. 25-May 1.....	4		
Dakota.....	Feb. 1-Mar. 27.....	2		
Douglas.....	Dec. 5-Apr. 17.....	4		
Fillmore.....	Nov. 27-Apr. 24.....	6		
Hennepin.....	Dec. 3-Apr. 3.....	103		
Hubbard.....	Apr. 25-May 1.....	1		
Itasca.....	Feb. 20-27.....	1		
Kandiyohi.....	Jan. 24-30.....	1		
Koochiebing.....	Dec. 5-Feb. 13.....	12		
Lac qui Parle.....	Jan. 10-16.....	1		
Le Sueur.....	Dec. 28-Mar. 16.....	5		
Lyon.....	Feb. 14-Apr. 10.....	8		
Marshall.....	Mar. 1-6.....	1		
Mower.....	Apr. 18-May 1.....	4		
Murray.....	Jan. 17-Apr. 6.....	7		
Nobles.....	Dec. 5-Feb. 27.....	4		
Norman.....	Dec. 12-May 1.....	27		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Counties—Continued.				
Olmstead.....	Jan. 10-Apr. 10....	7		
Ottertail.....	Mar. 7-May 1.....	8		
Pipestone.....	Jan. 10-Apr. 17....	12		
Pope.....	Jan. 3-9.....	3		
Ramsey.....	Dec. 5-May 1.....	266		
Redwood.....	Apr. 25-May 1....	1		
Renville.....	Apr. 11-17.....	3		
Rice.....	Feb. 14-20.....	1		
Rock.....	Feb. 1-Apr. 24....	2		
Sherburne.....	Apr. 18-May 1....	2		
St. Louis.....	Nov. 27-Apr. 10..	10		
Sibley.....	Dec. 26-Jan. 16..	2		
Steele.....	Mar. 1-31.....	1		
Todd.....	Dec. 5-Apr. 10..	25		
Traverse.....	Feb. 1-6.....	1		
Wabasha.....	Dec. 26-Mar. 6...	2		
Wadena.....	Dec. 26-Jan. 2...	2		
Washington.....	Feb. 7-Mar. 20...	10		
Winona.....	Jan. 17-23.....	1		
Yellow Medicine.....	Apr. 25-May 1....	1		
Total for State.....		560*		
Mississippi:				
Biloxi.....	Mar. 13.....			Present.
Gulfport.....	May 13-19.....	1		
*Missouri:				
Kansas City.....	Nov. 1-Apr. 30...	295		
St. Joseph.....	Feb. 5-18.....	16		
St. Louis.....	Dec. 18-May 27...	92	1	
Springfield.....	Feb. 5-May 6.....	32		
Total for State.....		435	1	
Montana:				
Counties—				
Beaverhead.....	Jan. 1-Mar. 31....	5		
Carbon.....	Mar. 1-31.....	1		
Cascade.....	Dec. 1-Mar. 31....	25		
Chouteau.....	Jan. 1-Feb. 28....	8		
Custer.....	Dec. 1-Jan. 31....	2		
Dawson.....	Nov. 1-Mar. 31....	10		
Deer Lodge.....	do.....	18		
Gallatin.....	Feb. 1-28.....	1	1	
Jefferson.....	do.....	1		
Lewis and Clark.....	Feb. 1-Mar. 31....	2		
Missoula.....	Jan. 1-31.....	2		
Powell.....	do.....	1		
Revalli.....	Dec. 1-Mar. 31....	12		
Silver Bow, exclusive of Butte.....	Nov. 1-Mar. 31....	33		
Butte.....	do.....	74		
Teton.....	Jan. 1-Mar. 31....	16		
Total for State.....		211	1	
*Nebraska:				
Lincoln.....	Dec. 1-Jan. 31....	31		
Omaha.....	Apr. 1-May 27....	51		
South Omaha.....	Jan. 1-May 13....	24		
Total for State.....		106		
New Hampshire.....	Jan. 1-June 8....	30		Approximate.
New Jersey:				
Counties—				
Bergen.....	Dec. 1-Mar. 31....	3		
Camden.....	Mar. 1-31.....	1		
Middlesex.....	Jan. 1-31.....	1		
Salem.....	Jan. 1-Feb. 28....	27		
Total for State.....		32		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
New York:				
Counties—				
Allegany.....	Nov. 1-30.....	1		
Chautauqua.....	Jan. 1-31.....	4		
Columbia.....	do.....	1		
Erie.....	Mar. 1-Apr. 30.....	8		
New York.....	Mar. 1-31.....	1		
Niagara.....	Dec. 1-Apr. 30.....	3		
Onondaga.....	Jan. 1-31.....	1		
St. Lawrence.....	Feb. 1-Mar. 31.....	5		
Steuben.....	Feb. 1-28.....	1		
Tioga.....	Dec. 1-31.....	1		
Tompkins.....	Nov. 1-30.....	1		
Total for State.....		27		
North Carolina:				
Counties—				
Alamance.....	Jan. 1-Apr. 30.....	20		
Beaufort.....	Dec. 1-Mar. 31.....	43		
Bertie.....	Jan. 1-Feb. 28.....	2		
Bladen.....	Nov. 1-Mar. 31.....	125		Present in April.
Brunswick.....	Dec. 1-Mar. 31.....	56		Present in Feb. and Apr.
Burke.....	Jan. 1-Mar. 31.....	5		
Carteret.....	Nov. 1-Jan. 31.....	4		
Caswell.....	Jan. 1-31.....	9		
Catawba.....	Apr. 1-30.....	1		
Chatham.....	Dec. 1-Apr. 30.....	82		
Cherokee.....	Feb. 1-28.....	15		Present.
Cleveland.....	Jan. 1-31.....			
Columbus.....	Nov. 1-Apr. 30.....	81		
Craven.....	Jan. 1-Mar. 31.....	13		
Cumberland.....	Nov. 1-Apr. 30.....	70		
Currituck.....	Jan. 1-31.....	2		
Duplin.....	Dec. 1-Apr. 30.....	62		
Durham.....	Nov. 1-Apr. 30.....	570		
Edgecombe.....	Nov. 4-Jan. 31.....	7		
Forsyth.....	Mar. 1-31.....	3		
Franklin.....	Nov. 1-Apr. 30.....	15		
Granville.....	Dec. 1-Feb. 28.....	28		
Guilford.....	Mar. 1-Apr. 30.....	37		
Halifax.....	Mar. 1-31.....	1		
Harnett.....	Mar. 1-Apr. 30.....	63		
Haywood.....	Apr. 1-30.....	4		
Henderson.....	Dec. 1-Apr. 30.....	39		
Hertford.....	Dec. 1-31.....	1		
Iredell.....	Mar. 1-31.....	4		
Jackson.....	do.....	4		
Johnston.....	Dec. 1-Apr. 30.....	11		Present in January.
Jones.....	Jan. 1-Mar. 31.....	14		
Lee.....	Dec. 1-Apr. 30.....	12		
Lenoir.....	Jan. 1-31.....	2		
Martin.....	Nov. 1-Dec. 31.....	17		
Mecklenburg.....	Jan. 1-Feb. 28.....	7		
Nash.....	Nov. 1-Apr. 30.....	7		
New Hanover.....	Nov. 1-Apr. 30.....	733		
Northampton.....	Jan. 1-Mar. 31.....	21		
Onslow.....	Dec. 1-Apr. 30.....	90		
Orange.....	Jan. 1-31.....	12		Present in February.
Pasquotank.....	Nov. 1-Apr. 30.....	9		Present February, March, and April.
Pender.....	Nov. 1-Jan. 31.....	127		
Person.....	Jan. 1-Feb. 28.....	2		
Pitt.....	Nov. 1-Feb. 28.....	34		
Robeson.....	Nov. 1-Apr. 30.....	240		Present in February.
Rockingham.....	Apr. 1-30.....	1		
Rowan.....	Dec. 1-Feb. 28.....	5		
Rutherford.....	Feb. 1-28.....	1		
Sampson.....	Dec. 1-Feb. 28.....	33		Present in March.
Scotland.....	Feb. 1-28.....	6		Present in April.
Stokes.....	Apr. 1-30.....	2		
Surry.....	do.....	11		
Union.....	Nov. 1-Apr. 30.....	13		
Vance.....	Jan. 1-Apr. 30.....	35		
Wake.....	Nov. 1-Mar. 31.....	61		
Washington.....	Jan. 1-31.....	2		
Watauga.....	Feb. 1-28.....	1		
Wayne.....	Dec. 1-Feb. 28.....	14		
Wilkes.....	Jan. 1-Apr. 30.....	8		
Total for State.....		2,897		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Dakota:				
Counties—				
Barnes.....	May 1-31.....	1		
Billings.....	Jan. 1-May 31.....	29		
Cass.....	Dec. 1-May 31.....	2		
Grand Forks.....	Jan. 1-31.....	1		
Lamoure.....	Feb. 1-28.....	6		
McIntosh.....	Jan. 1-Feb. 28.....	2		
Morton.....	Dec. 1-31.....	1		
Nelson.....	Mar. 1-May 31.....	3		
Ramsey.....	Jan. 1-31.....	1		
Steele.....	Dec. 1-Jan. 31.....	19		
Stutsman.....	Jan. 1-May 31.....	18		
Trail.....	May 1-31.....	1		
Wells.....	Mar. 1-31.....	1		
Total for State.....		85		
Ohio:				
Counties—				
Adams.....	Apr. 1-30.....	25		
Ashland.....	Jan. 1-Apr. 30.....	3		
Butler.....	Mar. 1-31.....	1		
Clark.....	Jan. 1-Apr. 30.....	60	1	
Cuyahoga.....	Mar. 1-Apr. 30.....	5		
Darke.....	do.....	17		
Delaware.....	Feb. 1-Mar. 31.....	2		
Franklin.....	Dec. 1-Apr. 30.....	14		
Fulton.....	Jan. 1-31.....	4		
Hardin.....	Apr. 1-30.....	1		
Hamilton.....	Dec. 1-Apr. 30.....	21		
Lorain.....	Dec. 1-31.....	2		
Lucas.....	Mar. 1-Apr. 30.....	7		
Marion.....	do.....	71		
Miami.....	Feb. 1-28.....	1		
Monroe.....	Mar. 1-31.....	1		
Montgomery.....	Jan. 1-Feb. 28.....	2		
Portage.....	Dec. 1-31.....	1		
Ross.....	Jan. 1-31.....	1		
Scioto.....	Mar. 1-Apr. 30.....	8		
Williams.....	Jan. 1-Mar. 31.....	4		
Wood.....	Mar. 1-Apr. 30.....	4		
Total for State.....		255	1	
Oklahoma:				
Counties—				
Adair.....	Nov. 1-30.....	1		
Atoka.....	Dec. 1-Feb. 28.....	2		
Beckham.....	Nov. 1-Mar. 31.....	80		
Blaine.....	Nov. 1-Feb. 28.....	19		
Bryan.....	Nov. 1-Mar. 31.....	28		
Caddo.....	do.....	30		
Canadian.....	Nov. 1-Jan. 31.....	34		
Carter.....	Mar. 1-31.....	3		
Cherokee.....	Jan. 1-Feb. 28.....	4		
Choctaw.....	Jan. 1-Mar. 31.....	24		
Cleveland.....	Feb. 1-Mar. 31.....	13		
Coal.....	Feb. 1-28.....	20	1	
Comanche.....	Jan. 1-Mar. 31.....	8		
Creek.....	Mar. 1-31.....	28		
Custer.....	Dec. 1-Jan. 31.....	9		
Garfield.....	Dec. 1-Feb. 28.....	2		
Grady.....	Nov. 1-Feb. 28.....	7	1	
Green.....	Nov. 1-30.....	1		
Hughes.....	Nov. 1-Mar. 31.....	62		
Jackson.....	Jan. 1-Mar. 31.....	71		
Johnston.....	Jan. 1-31.....	1		
Kay.....	Dec. 1-31.....	1		
Kingfisher.....	Feb. 1-Mar. 31.....	3		
Kiowa.....	do.....	3		
Latimer.....	Dec. 1-31.....	1		
Le Flore.....	Mar. 1-31.....	2		
Lincoln.....	Jan. 1-Mar. 31.....	71		
McCain.....	Mar. 1-31.....	4		
McCurtain.....	Jan. 1-Mar. 31.....	43		
McIntosh.....	Nov. 1-Dec. 31.....	12		
Major.....	Dec. 1-31.....	4		
Marshall.....	Nov. 1-Mar. 31.....	12		
Muskogee.....	Feb. 1-28.....	1		
Noble.....	Mar. 1-31.....	2		
Nowata.....	Jan. 1-Mar. 31.....	12		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Counties—Continued.				
Okluskee.....	Jan. 1-Mar. 31.....	12		
Oklahoma.....	Dec. 1-Mar. 31.....	24		
Okmulgee.....	Jan. 1-Mar. 31.....	25		
Osage.....	Dec. 1-Jan. 31.....	3		
Payne.....	Feb. 1-Mar. 31.....	6		
Pittsburg.....	Dec. 1-Feb. 28.....	4		
Pontotoc.....	Jan. 1-Mar. 31.....	8		
Pottawatomie.....	Jan. 1-31.....	6		
Roger Mills.....	Mar. 1-31.....	1		
Seminole.....	Dec. 1-Jan. 31.....	9		
Stephens.....	Dec. 1-31.....	1		
Tulsa.....	Nov. 1-Mar. 31.....	10		
Washington.....	Dec. 1-Feb. 28.....	2		
Washita.....	Nov. 1-Mar. 31.....	18		
Woods.....	Dec. 1-Jan. 31.....	11		
Total for State.....		758	2	
Oregon:				
Counties—				
Baker.....	Jan. 1-31.....	2		
Benton.....	Dec. 1-Mar. 31.....	2		
Columbia.....	Jan. 1-31.....	1		
Marion.....	Dec. 1-Feb. 28.....	10	4	
Multnomah.....	Oct. 1-Nov. 30.....	8		
Polk.....	Nov. 1-30.....	1		
Umatilla.....	Dec. 1-31.....	1		
Union.....	Jan. 1-31.....	1		
Total for State.....		26	4	
Pennsylvania, entire State.....				
	Oct. 1-31.....			No cases.
	Nov. 1-Apr. 30.....	44	1	
Rhode Island:				
Providence.....	May 21-27.....	1		
*South Carolina:				
Camden.....	Jan. 15-21.....	1		
Charleston.....	Feb. 1-Apr. 30.....	10		
Seven Mile.....	Mar. 1.....	9	1	
Total for State.....		20	1	
*Tennessee:				
Counties—				
Davidson—				
Nashville.....	Jan. 8-June 3.....	7		
Hamilton—				
Chattanooga.....	Jan. 1-May 22.....	11	1	
Knox—				
Knoxville.....	Jan. 22-May 27.....	87		
Shelby.....	Nov. 1-Apr. 30.....	402	3	
Total for State.....		507	4	
Texas.....				
	Feb. 1-28.....		3	Reported out of date.
Counties—				
Bell.....	.....do.....	1		
Bowie.....	Mar. 1-31.....	4		
Cameron.....	Nov. 1-Apr. 30.....	141		
Cherokee.....	Jan. 1-Apr. 30.....	5		
Clay.....	Apr. 1-30.....	1		
Collin.....	Jan. 1-Apr. 30.....	34		
Dallas.....	Dec. 1-Apr. 30.....	39		
Denton.....	Mar. 1-Apr. 30.....	3		
Dewitt.....	Feb. 1-28.....	4		
El Paso.....	Jan. 1-Feb. 28.....	48	3	
Falls.....	Mar. 1-31.....	12		
Grimes.....	Nov. 1-30.....	4		
Guadalupe.....	Jan. 1-31.....	5	2	
Hall.....	Apr. 1-30.....	13		
Harrison.....	Mar. 1-31.....	5		
Henderson.....	Nov. 1-Apr. 30.....	23		
Hidalgo.....	Dec. 1-Apr. 30.....	8		
Houston.....	Mar. 1-31.....	2		
Jones.....	Jan. 1-31.....	3		
Lamar.....	Mar. 1-Apr. 30.....	11		
Lampasas.....	Apr. 1-30.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks
Texas—Continued.				
Counties—Continued.				
McLennan.....	Nov. 1-Apr. 30.....	27		
Marion.....	Dec. 1-Apr. 30.....	44		
Matagorda.....	Jan. 1-31.....	5		
Mitchell.....	Mar. 1-31.....	1		
Nueces.....	Jan. 1-Apr. 30.....	8		
Orange.....	Jan. 1-Feb. 28.....	9		
Palo Pinto.....	Mar. 1-31.....	1		
Red River.....	do.....	1		
Refugio.....	Mar. 1-Apr. 30.....	3		
Runnels.....	Jan. 1-31.....	1		
Swisher.....	Dec. 1-31.....	2		
Tarrant.....	Dec. 1-Apr. 30.....	16		
Taylor.....	Jan. 1-31.....	1		
Titus.....	Apr. 1-30.....	1		
Upshur.....	Mar. 1-Apr. 30.....	9		
Uvalde.....	Jan. 1-31.....	1		
Van Zant.....	Nov. 1-Feb. 28.....	9	1	
Wichita.....	Mar. 1-Apr. 30.....	28		
Williamson.....	Apr. 1-30.....	1	1	
Total for State.....		535	10	
Utah:				
Counties—				
Beaver.....	Nov. 1-Apr. 30.....	148	1	
Boxelder.....	Jan. 1-Apr. 30.....	71		
Cache.....	Nov. 1-Apr. 30.....	73	1	
Davis.....	Dec. 1-Apr. 30.....	14		
Garfield.....	Mar. 1-Apr. 30.....	14		
Iron.....	Nov. 1-Feb. 28.....	83		
Juab.....	Nov. 1-Mar. 31.....	13		
Millard.....	Nov. 1-Feb. 28.....	50		
Piute.....	Jan. 1-31.....	14		
Rich.....	Feb. 1-28.....	13		
Salt Lake.....	Nov. 1-Apr. 30.....	95		
Sanpete.....	Dec. 1-Apr. 30.....	58		
Sevier.....	do.....	69		
Tooele.....	Apr. 1-30.....	60		
Utah.....	Jan. 1-Apr. 30.....	86		
Washington.....	Nov. 1-Apr. 30.....	66		
Weber.....	do.....	108	1	
Total for State.....		1,035	3	
Vermont.....	Jan. 1-May 26.....			No cases.
Virginia:				
Counties—				
Appomattox.....	Jan. 1-31.....	3		
Alexandria.....	do.....	5		
Culpeper.....	Jan. 1-Feb. 28.....	4		
Dinwiddie.....	Jan. 1-31.....	1		
Fairfax.....	Jan. 1-Feb. 28.....	3		
Fauquier.....	do.....	42		
Frederick.....	Jan. 1-31.....	4		
Lee.....	Jan. 1-Feb. 28.....	270		
Loudoun.....	do.....	7		
Lunenburg.....	Jan. 1-31.....	8		
Nansemond.....	do.....	4		
Prince William.....	Feb. 1-28.....	2		
Roanoke.....	Jan. 1-31.....	1		
Southampton.....	do.....	1		
Stafford.....	do.....	10		
Wise.....	do.....	7		
Total for State.....		372		
Washington:				
Counties—				
Chehalis.....	Mar. 1-Apr. 30.....	10		
Chelan.....	Jan. 1-Mar. 31.....	2		
Clallam.....	Jan. 1-Apr. 30.....	38		
Cowlitz.....	Apr. 1-30.....	1		
Ferry.....	Jan. 1-31.....	1		
Grant.....	Apr. 1-30.....	14		
King.....	Dec. 1-Apr. 30.....	186	2	
Kittitas.....	Apr. 1-30.....	1		
Lewis.....	Mar. 1-Apr. 30.....	7		
Lincoln.....	Feb. 1-Mar. 31.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 16, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Washington—Continued.				
Counties—Continued.				
Mason.....	Apr. 1-30.....	9		
Pacific.....	Jan. 1-31.....	1		
Pierce.....	Dec. 1-Apr. 30.....	55		
Skagit.....	Nov. 1-Apr. 30.....	119		
Snohomish.....	Dec. 1-Apr. 30.....	12		
Spokane.....	Nov. 1-Apr. 30.....	8		
Stevens.....	Dec. 1-Feb. 28.....	2		
Thurston.....	Mar. 1-Apr. 30.....	2		
Walla Walla.....	Jan. 1-Mar. 31.....	2		
Whatecom.....	Jan. 1-Apr. 30.....	83		
Whitman.....	Apr. 1-30.....	7		
Yakima.....	Jan. 1-Apr. 30.....	18		
Total for State.....		580	2	
Wisconsin:				
Counties—				
Ashland.....	Jan. 1-Feb. 28.....	6		
Barron.....	Jan. 1-Apr. 30.....	6		
Bayfield.....	Apr. 1-30.....	2		
Buffalo.....	Feb. 1-28.....	1		
Chippewa.....	Dec. 1-Mar. 31.....	12		
Clark.....	Apr. 1-30.....	1		
Dane.....	Jan. 1-Apr. 30.....	3		
Douglas.....	Feb. 1-Apr. 30.....	12		
Dunn.....	Dec. 1-Mar. 31.....	18		
Eau Claire.....	Feb. 1-28.....	4		
Green.....	Jan. 1-31.....	2		
Iowa.....	Dec. 1-Apr. 30.....	80		
Iron.....	Mar. 1-31.....	1		
Jefferson.....	Dec. 1-Jan. 31.....	10		
Lafayette.....	Dec. 1-Feb. 28.....	11		
La Crosse.....	Dec. 1-Apr. 30.....	13		
Lincoln.....	Feb. 1-Mar. 31.....	2		
Milwaukee.....	Dec. 1-Apr. 30.....	12		
Monroe.....	Mar. 1-Apr. 30.....	3		
Oneida.....	Dec. 1-Apr. 30.....	12		
Pierce.....	Feb. 1-28.....	1		
Price.....	Mar. 1-Apr. 30.....	3		
Rusk.....	do.....	5		
Sheboygan.....	Mar. 1-31.....	1		
St. Croix.....	Dec. 1-Feb. 28.....	7		
Vernon.....	Jan. 1-Feb. 28.....	10		
Vilas.....	Dec. 1-31.....	1		
Walworth.....	Jan. 1-31.....	1		
Washington.....	Dec. 1-31.....	1		
Total for State.....		241		
Grand total for the United States.....		15,580	55	

CHOLERA IN THE UNITED STATES.

Reports Received from June 14 to June 23, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
New York:				
New York quarantine.....	June 14-20.....	5		One case June 14 from s. s. Europa from Naples, four cases June 20 from s. s. Duca degli Abruzzi from Genoa, Naples, and Madeira.

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED JUNE 3, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having over 500,000 inhabitants.</i>														
Baltimore, Md.....	558,485	189	5	.....	93	1	15	1	.....	.....	35	36	8	2
Boston, Mass.....	670,585	213	60	2	166	4	26	2	.....	.....	70	14	5	.....
Chicago, Ill.....	2,185,283	546	117	8	226	4	175	11	1	.....	160	69	15	7
Cleveland, Ohio.....	560,663	119	27	1	40	.....	59	40	1	.....	35	17	8	1
New York, N. Y.....	4,766,883	1,334	299	28	1,164	29	372	28	.....	.....	527	164	20	6
Philadelphia, Pa.....	1,549,008	407	60	6	198	7	36	6	.....	.....	91	44	16	4
Pittsburg, Pa.....	533,905	135	12	2	33	1	8	1	.....	.....	23	16	19	1
St. Louis, Mo.....	687,029	199	14	2	85	3	65	7	2	.....	41	18	3	.....
<i>Cities having from 300,000 to 500,000 inhabitants.</i>														
Buffalo, N. Y.....	423,715	118	11	4	24	.....	12	3	6	.....	39	13	6	2
Cincinnati, Ohio.....	364,463	.....	1	.....	34	1	53	3	3	.....	34	17	.....	.....
Detroit, Mich.....	465,766	130	11	.....	.....	.....	14	1	1	.....	.....	.....	.....	.....
Los Angeles, Cal.....	319,198	.....	5	.....	20	.....	8	.....	.....	.....	17	13	3	1
Milwaukee, Wis.....	373,857	115	6	.....	43	1	20	2	.....	.....	11	14	5	2
Newark, N. J.....	347,469	78	20	2	1	20	.....	25	8	.....	.....	10	1	.....
New Orleans, La.....	339,075	161	7	.....	67	1	3	.....	5	.....	16	10	17	4
San Francisco, Cal.....	416,912	124	3	.....	64	.....	12	.....	.....	.....	21	15	2	2
Washington, D. C.....	331,069	102	4	1	260	.....	3	.....	6	.....	36	9	8	1
<i>Cities having from 200,000 to 300,000 inhabitants.</i>														
Denver, Colo.....	213,381	64	3	.....	15	.....	13	.....	14	.....	.....	17	.....	.....
Jersey City, N. J.....	267,779	63	.....	.....	1	.....	.....	.....	.....	.....	.....	7	.....	.....
Kansas City, Mo.....	248,381	88	9	.....	.....	.....	5	.....	4	.....	.....	15	.....	.....
Providence, R. I.....	224,326	57	3	.....	4	.....	7	.....	.....	.....	8	6	6	.....
Seattle, Wash.....	237,194	42	1	.....	87	.....	5	1	1	.....	8	4	4	1
<i>Cities having from 100,000 to 200,000 inhabitants.</i>														
Bridgeport, Conn.....	102,054	17	2	1	18	.....	3	.....	.....	.....	19	2	.....	.....
Cambridge, Mass.....	104,839	.....	10	1	20	2	7	.....	.....	.....	2	.....	1	.....
Columbus, Ohio.....	181,548	55	.....	.....	21	.....	4	1	.....	.....	5	7	.....	.....
Dayton, Ohio.....	116,577	33	.....	.....	10	.....	1	.....	.....	.....	.....	3	.....	.....
Fall River, Mass.....	119,295	38	.....	.....	4	.....	4	.....	.....	.....	6	5	.....	1
Grand Rapids, Mich.....	112,571	28	.....	.....	15	.....	1	.....	.....	.....	2	2	1	.....
Lowell, Mass.....	106,294	25	2	.....	5	.....	3	.....	.....	.....	5	3	.....	.....
Memphis, Tenn.....	131,105	.....	2	.....	1	.....	.....	.....	.....	.....	4	2	1	2
Nashville, Tenn.....	110,364	69	2	.....	2	1	2	.....	1	.....	8	6	5	.....
Oakland, Cal.....	150,174	38	2	.....	14	1	7	.....	.....	.....	.....	3	.....	.....
Omaha, Nebr.....	124,096	.....	9	1	1	.....	2	.....	2	.....	.....	1	.....	.....
Spokane, Wash.....	104,402	15	2	.....	30	.....	3	1	.....	.....	.....	1	.....	.....
Toledo, Ohio.....	168,497	51	1	.....	1	.....	1	.....	.....	.....	.....	8	1	.....
Worcester, Mass.....	145,986	43	1	.....	14	.....	13	.....	.....	.....	8	3	.....	.....
<i>Cities having from 50,000 to 100,000 inhabitants.</i>														
Altoona, Pa.....	52,127	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Bayonne, N. J.....	55,545	17	1	.....	2	3	4	1	.....	.....	2	2	.....	.....
Brockton, Mass.....	56,878	10	.....	.....	20	.....	1	.....	.....	.....	1	.....	.....	.....
Camden, N. J.....	94,538	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canton, Ohio.....	50,217	14	.....	.....	.....	.....	4	.....	.....	.....	.....	1	.....	.....
Covington, Ky.....	53,270	15	.....	.....	.....	.....	1	.....	.....	.....	.....	1	1	.....
Des Moines, Iowa.....	86,368	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Duluth, Minn.....	78,466	19	1	.....	20	.....	2	.....	.....	.....	2	1	1	.....
Elizabeth, N. J.....	73,409	18	7	.....	1	.....	10	.....	.....	.....	.....	1	.....	.....
Erie, Pa.....	66,525	16	.....	.....	.....	.....	1	.....	.....	.....	.....	2	.....	.....
Evansville, Ind.....	69,647	25	.....	.....	18	1	.....	.....	1	.....	.....	3	3	.....
Harrisburg, Pa.....	64,186	25	7	.....	.....	.....	2	.....	.....	.....	18	2	1	1
Hartford, Conn.....	98,915	19	13	.....	7	.....	11	.....	.....	.....	6	1	.....	.....
Hoboken, N. J.....	70,324	7	4	.....	2	.....	1	.....	.....	.....	.....	.....	.....	.....
Houston, Tex.....	78,800	31	1	.....	.....	.....	1	.....	2	.....	.....	4	.....	4

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended June 3, 1911—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having from 25,000 to 50,000 inhabitants—Continued.</i>														
San Jose, Cal.	28,946	7					3					2		
Shenandoah, Pa.	25,774	11		1				1				1		
South Omaha, Nebr.	26,259	8					1				1			
Superior, Wis.	40,384	19		1			1					2		
Taunton, Mass.	34,259	7					1				2		1	
Waltham, Mass.	27,834	4		2							1		2	
West Hoboken, N. J.	35,403	7		4	1	3								
Williamsport, Pa.	31,860			9		5						2		
Wilmington, N. C.	25,748													
Woonsocket, R. I.	38,125													
York, Pa.	44,750													
Zanesville, Ohio.	28,026												10	1
<i>Cities having less than 25,000 inhabitants.</i>														
Ann Arbor, Mich.	14,817	5			2						1			
Beaver Falls, Pa.	12,191	0		1										
Bennington, Vt.		2												
Braddock, Pa.	19,357	8		3	2									
Butler, Pa.	20,728	6												
Cambridge, Ohio.	11,327	0												
Camden, S. C.		1											1	
Carbondale, Pa.	17,040	2			1		3	1						
Clinton, Mass.	13,075	3												
Coffeyville, Kans.	12,687													
Columbus, Ga.		10										2		
Columbus, Ind.				1			1							
Concord, N. H.	21,497	8										1		
Cumberland, Md.	21,839	3		2	1								2	
Dunkirk, N. Y.		4									1			
Elyria, Ohio.	15,000													
Galesburg, Ill.	20,089	8									1	1		
Gloucester, Mass.	24,398	1												
Greensboro, N. C.	15,895	6						1				2		
Harrison, N. J.	14,498	2										1		
Homestead, Pa.	18,713				13		1							
Hyde Park, Mass.	15,507	5		1								1		
Kearny, N. J.	18,659	5									1	1		
Kokomo, Ind.	17,012	5						4				1		
La Fayette, Ind.	12,081	5		1										
Lebanon, Pa.	19,240	6				1								
Manistee, Mich.	12,381													
Manitowoc, Wis.	13,027			1			1					2		
Marinette, Wis.	14,610	3		2								2	1	
Marlboro, Mass.	14,579	3												
Massillon, Ohio.	13,879	1				1								
Medford, Mass.	23,150	3		1		5						2		
Melrose, Mass.	15,715	1			15		1							
Moline, Ill.	24,199	2		1		5								
Montclair, N. J.	21,550	5			1		2				3	1		
Morristown, N. J.	12,507	3					1							
Nanticoke, Pa.	18,877	4												
Newburyport, Mass.	14,949	7			1						1			
North Adams, Mass.	22,019	4												
Northampton, Mass.	19,431	6		6		3	1				2			
Palo Alto, Cal.	4,486	2												
Peekskill, N. Y.		3		1		19					1	1		
Plainfield, N. J.	20,550	5		1		2		2				2		
Portsmouth, N. H.	11,209					1								
Pottstown, Pa.		6												1
Rutland, Vt.	13,546													
Sandusky, Ohio.		2				1								2
Saratoga Springs, N. Y.		1		3		1					1			
South Bethlehem, Pa.	19,973	4										1		
Steelton, Pa.	14,246							1			5			
Warren, Pa.	11,080	2				2								
Wilksburg, Pa.	18,294	6				1					1	1	1	
Woburn, Mass.	15,308	2			5	1	1							

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

CONNECTICUT.—Month of May, 1911. Population of reporting towns, 1,110,617. Total number of deaths from all causes 1,421, including diphtheria 12, measles 12, scarlet fever 8, tuberculosis, pulmonary, 125, typhoid fever 4. Cases reported: Diphtheria, 148 in 37 towns, measles, 888 in 74 towns, scarlet fever, 320 in 60 towns, tuberculosis, pulmonary, 169 in 43 towns, typhoid fever, 27 in 17 towns.

FLORIDA.—Week ended June 3, 1911. Reports from the State board of health show diphtheria in 2 localities (Sanford and Tampa) with 3 cases, malaria in 7 localities with 33 cases, smallpox in 11 counties with 67 cases, tuberculosis in 7 localities with 11 cases, typhoid fever in 1 locality (Tampa) with 17 cases.

KENTUCKY—*Louisville.*—Month of April, 1911. Population, 223,928. Total number of deaths from all causes 311, including diphtheria 4, measles 4, tuberculosis, pulmonary, 52, typhoid fever 3. Cases reported: Diphtheria 14, measles 12, scarlet fever 34, tuberculosis, pulmonary, 50.

LOUISIANA—*Shreveport.*—Month of May, 1911. Population, 28,015. Total number of deaths from all causes 86, including tuberculosis 14, typhoid fever 2.

MICHIGAN.—Month of April, 1911. Population 2,810,173. Total number of deaths from all causes 3,362, including diphtheria 35, measles 31, scarlet fever 25, tuberculosis 264, typhoid fever 44.

NEW YORK.—Month of April, 1911. Population 9,113,614. Total number of deaths from all causes 13,330, including diphtheria 185, measles 143, scarlet fever 200, tuberculosis 1,549, typhoid fever 80. Cases reported: Diphtheria 1,613, measles 7,794, scarlet fever 3,700, smallpox 5, tuberculosis, pulmonary or laryngeal, 2,701, typhoid fever 339.

OKLAHOMA.—Month of April, 1911. Population 1,657,155. Total number of deaths from all causes 704, including diphtheria 3, scarlet fever 10, tuberculosis 52, typhoid fever 10. Cases reported: Diphtheria 36, scarlet fever 240, smallpox 219, tuberculosis 110, typhoid fever 73.

TEXAS—*Fort Worth.*—Month of May, 1911.—Population 73,312. Total number of deaths from all causes 106, including scarlet fever 1, tuberculosis 12, typhoid fever 6. Cases reported: Diphtheria 3, measles 4, scarlet fever 1, smallpox 1, tuberculosis 12, typhoid fever 12.

FOREIGN AND INSULAR.

Cholera Cases Arrive at Quarantine.

The quarantine officer at the port of New York, N. Y., reports 4 cases of cholera discovered among the crew of the steamship *Duca degli Abruzzi* arrived June 20 from Genoa, Naples, and Madeira.

BRAZIL.

Para—Plague and Yellow Fever.

Consul Pickerell reported May 22 the presence of a mild outbreak of plague and on June 21 the occurrence of 2 cases of yellow fever.

CANADA.

Dawson—Smallpox.

The American consul reports June 8 the presence of 4 cases of smallpox. The disease is stated by the health authorities to be under control. The cases are under quarantine.

CHINA.

Swatow—Plague and Smallpox in District.

Consul Williams reports May 13:

Plague and smallpox are prevalent in the district. Quarantine measures are in force against infected localities on the inland waterways.

COLOMBIA.

Proposed Sanitary Stations at Certain Ports.

The American consul general at Bogota reports May 12:

The Republic of Colombia has provided for the establishment of sanitary stations at the ports of Puerto Colombia, Santa Marta, Buenaventura, and Tumaco. At Puerto Colombia, the principal Caribbean port of the country, there are to be constructed four buildings, one for persons suffering from contagious diseases, one for cases of ordinary sickness, one for the employees of the station, and one which will contain disinfecting rooms and a laboratory. At both Buenaventura and Tumaco, the two Pacific ports, a hospital for contagious cases and one for other diseases are to be constructed. It is expected that the buildings will be completed and ready for occupancy before the end of the present year.

ECUADOR.**Plague and Yellow Fever.**

The following information was received from the director of public health:

May 1-15, 1911.

Plague.—At Guayaquil 5 cases with 2 deaths were reported.

Yellow fever.—At Guayaquil 19 cases with 11 deaths were reported; at Milagro 1 case; at Naranjito 1 case.

GREECE.**Cerebrospinal Meningitis.**

Consul Gale at Athens reports May 20:

During the week ended May 13 there were reported 6 deaths from cerebrospinal meningitis. The epidemic continues to decline.

Consul Cooke at Patras reports June 2:

There is a marked decline in the epidemic of cerebrospinal meningitis in this consular district. During the period from May 15 to 31 there were reported 6 deaths from the disease.

INDIA.**Calcutta—Cholera, Plague, and Smallpox.**

Acting Asst. Surg. Allan reports May 18:

During the week ended April 29 there were reported in Calcutta 66 deaths from cholera, 113 from plague, and 4 from smallpox; in all Bengal, 2,125 cases of plague with 1,972 deaths; in all India, 37,666 cases of plague with 33,163 deaths.

JAPAN.**Yokohama—Smallpox on Steamship.**

Surg. Irwin reports May 23:

The steamship *Siberia* from San Francisco, via Honolulu, arrived May 20 with a case of smallpox in a Chinese steerage passenger. The vessel was remanded to the Nagaura quarantine station for disinfection and the case sent to the station hospital.

JAVA.**Cholera and Plague.**

Consul Rairden at Batavia reported April 26:

The port of Tanjong Priok has been declared infected with cholera.

Consul Rairden further reported May 8:

At Batavia there has been a slight increase in the number of cases of cholera, but none in the mortality from the disease. During the week ended May 6 there were reported 85 cases with 60 deaths. (Previous week, 80 cases, 60 deaths.)

Plague is not increasing in the Pasoeroen Residency, but has spread to Surabaya, which is one of the largest shipping ports of Java.

MEXICO.**Typhus Fever.**

Consul Letcher, at Chihuahua, reports:

During the week ended May 28 there were reported 4 deaths from typhus fever.

Consul Bonney, at San Luis Potosi, reports:

At San Luis Potosi 14 cases of typhus fever, with 1 death, were reported during the week ended May 20.

PERU.**Quarantine Against Guayaquil Modified.**

Passengers arriving at Peruvian ports from Panama on vessels that have touched at Guayaquil are permitted to disembark at Peruvian ports provided that they have not been on shore at Guayaquil; that they are in good health; that the vessel has on board a sanitary inspector; that the health conditions on the vessel are good; and that the vessel anchors at a specified point. This order was made effective April 29, under approval of the ministry of foreign affairs.

SIAM.**Bangkok—Cholera, Plague, and Smallpox.**

Consul Tarler reports, April 15:

During the four weeks ended April 15 there were reported at Bangkok 521 cases of cholera, with 521 deaths; 33 cases of plague, with 29 deaths; and 4 fatal cases of smallpox.

TRINIDAD.**Examination of Rats for Plague Infection.**

The following information is taken from the report of the colonial surgeon general:

During the two weeks ended May 19 there were examined bacteriologically 2,139 rats, of which 630 were *Mus norvegicus*, 179 *Mus rattus*, and 1,330 *Mus musculus*. No plague-infected rats were found. The average number of rats taken per week is 404.

The last case of plague in Trinidad was reported May 5 and ended fatally during the week ended May 13.

TURKEY.**Quarantine at Ottoman Ports Against Bahrein.**

The following information was received from the Turkish Embassy at Washington through the Department of State:

By order of the supreme board of health, Constantinople, for vessels sailing on and after May 4, arrivals from Bahrein (Persian Gulf) shall be subjected to medical inspection at the first Ottoman port having a sanitary physician.

Cholera.

The American consul general at Constantinople reports June 9 the prevalence of cholera in Turkey.

SMYRNA—Cholera.

Consul General Memminger reports May 19:

During the period from May 8 to 17, inclusive, there occurred at Smyrna 9 cases of cholera with 7 deaths.

On May 18 the sanitary bureau stated that the 24 hours' quarantine imposed against Smyrna at Ottoman ports had been suspended.

VENEZUELA.

Plague at Caracas.

Consul Manning at La Guaira reports May 20:

Two cases of plague were officially reported at Caracas May 6 and 15, respectively.

Acting Asst. Surg. Stewart at La Guaira reports the occurrence of a fatal case of plague at Caracas May 19.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended June 23, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bassein.....	Apr. 23-May 6.....	8	6	
Calcutta.....	Apr. 23-29.....		66	
Moulmine.....	Apr. 23-May 6.....	8	7	
Indo-China:				
Saigon.....	Apr. 17-May 7.....	60	41	
Italy:				
Naples.....	June 17-18.....	7	3	
Palermo.....	June 17.....			Present.
Pianura.....	June 18.....	2	1	Four miles from Naples.
Java:				
Surabaya.....	Apr. 8-9.....	2		Europeans.
Surakarta.....	Apr. 1-15.....		100	Estimated.
Tanjong-Priok.....	Apr. 24.....			Present.
Moluccas:				
Amboyna.....	Feb. 17-Mar. 2.....	12		Including 2 Europeans.
Sumatra:				
Bandong.....	Mar. 1-7.....	30	21	On the western coast.
	.....do.....			Present in vicinity.
Turkey:				
Constantinople.....	May 29-June 4.....	3		
Turkey in Asia:				
Samsun.....	May 27-June 2.....	77	46	
Smyrna.....	May 7-13.....		3	

YELLOW FEVER.

Brazil:				
Ceara.....	Apr. 1-30.....	1	1	
Manaos.....	May 14-June 3.....		10	
Para.....	June 4-10.....	1		June 21, 2 cases.
Ecuador:				
Guayaquill.....	May 1-15.....	19	11	
Milagro.....	.....do.....	1		
Naranjito.....	.....do.....	2		

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

Reports Received During Week Ended June 23, 1911.

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
▶ Maskat.....	May 7-20.....	5	5	
China:				
Pakhoi.....	Apr. 1-20.....		120	
Ecuador:				
Guayaquil.....	Apr. 1-15.....	5	2	
Egypt:				
Alexandria.....	Apr. 29-May 30...	4	2	
Provinces—				
Assiout.....	May 5-31.....	37	22	
Benisouef.....	Feb. 12-May 22...	1		
Dakahlieh.....	May 20-28.....	5	2	
Galoubeeh.....	Apr. 11-May 31...	1	1	
Garbieh.....	May 15-31.....	3		
Girgeh.....	Apr. 16-May 18...	1	1	
Fayoum.....	Mar. 19-May 23...	38	23	
Kena.....	May 5-31.....	51	49	
Menouf.....	May 5-29.....	4	5	
Minieh.....	May 5-31.....	23	4	
India:				
Bahrein Island.....	May 2-14.....		205	In Persian Gulf.
Bombay.....	May 14-20.....	198	163	
Calcutta.....	Apr. 23-29.....		113	
Kurrachee.....	May 14-20.....	196	189	
Indo-China:				
Saigon.....	Apr. 17-May 7...	56	17	
Japan:				
Formosa.....	Apr. 23-May 6...	74	61	
Persia:				
Buchir.....	Apr. 22-May 7...	6	6	Total to May 13: Cases 24, deaths 18.
Venezuela:				
Caracas.....	May 6-19.....	3	1	

¹ From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, May 31, 1911.

² Bulletin Quarantenaire d'Egypte, May 25, 1911.

SMALLPOX.

Austria-Hungary:				
Galicia.....	May 14-27.....	13		
Canada:				
Dawson.....	June 8.....	4		
Ottawa.....	May 29-June 10...	31	1	
China:				
Shanghai.....	May 1-21.....		6	
Egypt:				
Cairo.....	May 14-20.....		1	
Port Said.....	do.....		2	
Germany:				
Bremen.....	May 21-27.....	3		Total, May 28-June 3, 1 case.
France:				
Havre.....	May 21-27.....	1		
Paris.....	May 14-27.....	8		
India:				
Bombay.....	May 14-20.....	31	21	
Calcutta.....	Apr. 23-29.....		4	
Madras.....	May 7-13.....	18	12	
Indo-China:				
Saigon.....	Apr. 23-May 7...	69	6	
Italy:				
Genoa.....	May 16-31.....	2		
Palermo.....	May 28-June 3...	12	7	
Japan:				
Yokohama.....	May 20.....	1		From steamship Siberia, from San Francisco via Honolulu; removed to quarantine at Nagaura.
Mexico:				
Ciudad Juarez.....	June 4-10.....	2		
Guadalajara.....	do.....		1	
Tampico.....	June 1-10.....	5	2	
Portugal:				
Lisbon.....	May 21-27.....	5		

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

Reports Received During Week Ended June 23, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Libau.....	May 17-23.....	1		
Odessa.....	May 7-13.....	2		
St. Petersburg.....	do.....	20	6	
Spain:				
Seville.....	May 1-31.....		1	
Valencia.....	May 29-June 4.....	7	1	
Straits Settlements:				
Penang.....	Apr. 23-29.....	1		
Turkey:				
Constantinople.....	May 29-June 4.....		2	
Turkey in Asia:				
Beirut.....	May 21-27.....	4		

Reports Received from Dec. 31, 1910, to June 16, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see PUBLIC HEALTH REPORTS for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Bajil.....	Jan. 18-Feb. 12.....	49	41	
Hodeida.....	Jan. 23-Feb. 12.....	188	133	Apr. 18, present among troops.
Jebel Akhdar.....	Apr. 1-18.....			Present in remote villages.
Perim.....	Jan. 23.....			Present.
Maskat.....	Nov. 20-30.....	7	7	
Menaka.....	Jan. 19-Feb. 12.....	97	24	
Obal.....	Jan. 27-Feb. 12.....	3	3	
Zaida.....	do.....	27	15	
Austria-Hungary.....	Aug. 3-Nov. 7.....			Not previously reported.
Croatia and Slavonia.....	Dec. 4-17.....	5	2	
Maren.....	Oct. 1-9.....	3		
Hungary.....	Nov. 27-Dec. 17.....	9	3	
Trieste.....	June 5.....	1	1	On s. s. Saxonia, from New York via Genoa and Naples.
Bulgaria:				
Tartar-Pazardjik.....	Jan. 10.....	2	2	
Varna.....	Nov. 29.....	2		From steamship <i>Bulgaria</i> , 3 fatal cases having been reported on p. 1936, Vol. XXV.
Ceylon:				
Colombo.....	Dec. 11-24.....	4	3	
China:				
Amoy.....	May 9.....			Present.
Newchwang.....	Aug. 1-Nov. 22.....			Occasional cases.
Shanghai.....	Aug. 1-31.....		1	Reported out of date.
Hawaii:				
Honolulu.....	Feb. 25-Apr. 25.....	39	29	Total from Feb. 25-Mar. 14: Cases, 31; deaths, 22. Apr. 12-25: Cases, 8; deaths, 7.
India:				
Bassein.....	Mar. 5-Apr. 22.....	6	6	
Bombay.....	Nov. 23-Mar. 18.....		109	Feb. 19-Apr. 22: Cases, 5.
Calcutta.....	Nov. 13-Apr. 22.....		923	
Madras.....	Nov. 27-Apr. 29.....		17	Madras Presidency, Oct. 1-Dec. 31: Cases, 8,382; deaths, 4,546. Report for Oct. 16-31 not received. Jan. 1-Apr. 30: Cases, 16,052; deaths, 9,060.
Moulmine.....	Mar. 5-Apr. 22.....	28	25	
Rangoon.....	Jan. 1-Apr. 29.....	16	15	
Indo-China:				
Saigon.....	Dec. 12-Apr. 16.....	75	38	
Italy:				
Provinces—				
Aquila.....	Dec. 4-17.....	4	1	
Bari.....	Dec. 27-Jan. 30.....	5	2	
Caltanissetta.....	Dec. 4-10.....	1		
Caserta.....	Dec. 4-Jan. 14.....	15	3	
Catanzaro.....	Dec. 27-Jan. 6.....	2	2	
Serrastretta.....	June 14.....	2		
				Total for Italy, Dec. 27-Jan. 30: Cases, 111; deaths, 17. June 8-14: Cases, 5; deaths, 2.

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Italy—Continued.				
Provinces—Continued.				
Cosenza—				
Lungro.....	June 14.....	1	.....
Lecce.....	Dec. 11-Jan. 30.....	111	13	
Palermo—				
Palermo.....	Dec. 4-10.....	16	6	
Insane asylum.....	Dec. 4-Jan. 6.....	24	6	
Reggio di Calabria—				
Reggio.....	June 8.....	2	2	
Rome.....	Dec. 4-Jan. 6.....	10	7	
Salerno.....	Dec. 11-Jan. 6.....	10	.....
Japan.....				
Total for Japan, Sept. 14-Nov. 30: Cases, 2,770; deaths, 1,923, including cases and deaths appearing on p. 1937, Vol. XXV				
Aicbe ken.....	Oct. 16-Nov. 20.....	3	3	
Ehime ken.....	Sept. 23-Nov. 30.....	27	19	
Formosa.....	Nov. 20-Dec. 17.....	11	6	Mainly in Kelung and Taihoku
Fukuoka ken.....	Sept. 30-Nov. 30.....	234	165	
Hioyo ken, Kobe.....	Sept. 12-Nov. 30.....	607	396	
Hiroshima ken.....	Sept. 25-Nov. 30.....	58	30	
Kagawa ken.....	Oct. 2-Nov. 30.....	293	201	
Kagoshima ken.....	Oct. 28-Nov. 30.....	4	3	
Kochi ken.....	Oct. 18-Nov. 30.....	70	42	
Kyoto fu.....	Sept. 30-Nov. 30.....	143	119	
Kumamoto ken.....	Oct. 18-Nov. 30.....	19	11	
Miye ken.....	Oct. 11-Nov. 30.....	8	5	
Nagasaki ken.....	Oct. 16-Nov. 30.....	26	11	Dec. 12-25, 5 cases, 1 death.
Nara ken.....	Oct. 3-Nov. 30.....	31	23	
Oita ken.....	Oct. 10-Nov. 30.....	2	1	
Okayama ken.....	Sept. 29-Nov. 30.....	71	49	
Osaka fu.....	Sept. 17-Nov. 30.....	951	692	
Saga ken.....	Oct. 4-Nov. 30.....	51	31	
Shiga ken.....	Nov. 20-30.....	7	6	
Shimane ken.....	Oct. 24-Nov. 30.....	7	37	
Tokushima ken.....	Oct. 3-Nov. 30.....	59	3	
Tokyo fu.....	Oct. 18-Nov. 30.....	1	1	
Wakayama ken.....	Oct. 6-Nov. 30.....	57	44	
Yamaguchi ken.....	Oct. 12-Nov. 30.....	41	29	
Java.....				
Ball, Praja, Feb. 1-28: Cases, 294; deaths, 174. Lombok, Djouggat: Cases, 284; deaths, 201. Celebes, Apr. 13-May 4. Present.				
Including 13 Europeans.				
Batavia.....	Nov. 13-May 6.....	211	145	
Samarang.....	Sept. 11-Feb. 10.....	620	534	
Surabaya.....	Oct. 23-Mar. 4.....	26	15	
Korea:				
Seoul.....	Oct. 26-Nov. 5.....	1	1	
Madeira.....				
Total for Madeira, Nov. 16-Feb 8: Cases, 1,774; deaths, 555, including report, page 1938. Vol. XXV.				
Funchal.....	Nov. 16-Feb. 8.....	635	210	
Calheta.....	Dec. 9-31.....	1	.....
Camara dos Lobos.....	Nov. 16-Feb. 8.....	513	160	
Michico.....	do.....	278	75	
Ponto do Sol.....	do.....	195	71	
Santa Cruz.....	do.....	89	26	
Porto Santo Island.....	Nov. 10-Feb. 8.....	.....	13	
Persia:				
Ardestan.....	Nov. 30.....	.....	.....	Present.
Assadabad.....	Oct. 5-Nov. 8.....	.....	61	Do.
Birjend.....	Nov. 10.....	.....	.....	Do.
Chalfaroud.....	Jan. 3.....	.....	.....	Present in vicinity and in Pire-Bazar.
Enzell.....	Nov. 8-25.....	9	11	
Hamadan.....	Oct. 6-Dec. 3.....	42	22	
Kashan.....	Nov. 30.....	.....	.....	Present.
Kasri-Churine.....	Oct. 13-20.....	.....	5	
Kerman.....	Nov. 22-Dec. 24.....	106	51	
Kermanchah.....	Nov. 5-10.....	.....	6	
Mohammerah.....	Nov. 13-Dec. 5.....	11	3	
Mollag-Ali.....	Nov. 20.....	6	.....
Resht.....	Nov. 19-Dec. 3.....	48	42	Present in all villages in vicinity.
Turbat-i-Hibari.....	Oct. 10-Nov. 15.....	66	25	

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	Nov. 6-Dec. 31....	9	6	Third quarter, 1910: Cases, 195; deaths, 141.
Provinces.....				Third quarter, 1910: Cases, 5,657; deaths, 4,089.
Albay.....	Dec. 24-Mar. 11....	59	47	
Bulacan.....	Nov. 6-Feb. 4.....	18	15	
Ilocos Sur.....	Nov. 6-Dec. 17....	58	38	
Mindoro.....	Nov. 6-Feb. 25....	37	27	
Rizal.....	Nov. 6-Feb. 18....	41	32	
Union.....	Nov. 6-12.....	3	1	
Russia.....				Total for Russia, Nov. 20-Feb. 4: Cases, 1,230; deaths, 303. From May 8-Feb. 4: Cases, 216,796; deaths, 100,982. Apr. 21-May 3: Cases, 6; deaths, 2.
Baku government—				
Baku.....	Nov. 6-Dec. 17....	6	2	
Batum.....	Dec. 4-10.....	2	1	
Don territory.....	Nov. 6-19.....	6	2	
Eriwan government.....	Nov. 6-Dec. 10....	4	4	
Ferghana territory.....	Nov. 6-19.....	6	6	
Kharkov government.....	Nov. 6-12.....	2	2	
Kazan government.....	Nov. 6-Jan. 7.....	2	1	
Kherson government.....	Nov. 6-Dec. 3.....	4	4	
	Apr. 28-May 3.....	1	1	
Kief government.....	Nov. 6-Feb. 4.....	45	18	New outbreak.
Kuban territory.....	Nov. 6-13.....	4	4	
Lublin government.....	Nov. 20-26.....	31	13	
Minsk government.....	Apr. 21-29.....	4	1	Do.
Mohilev government.....	Nov. 6-19.....	2	1	
Novorossysk.....	Apr. 28-May 3.....	1	1	Do.
Orenburg government.....	Nov. 13-24.....	15	6	
Oufa government.....	Nov. 6-12.....	2	1	
Perm government.....	Nov. 20-26.....	1	1	
Podolia government.....	Nov. 13-Jan. 28....	11	4	
Rjasan government.....	Nov. 6-12.....	2	2	
St. Petersburg government.....	do.....	2	2	
St. Petersburg.....	Nov. 6-Dec. 31....	32	16	
Samara government.....	Nov. 6-19.....	6	6	
Saratov government.....	Nov. 13-26.....	8	8	
Siberia, eastern.....	Nov. 16-19.....	12	3	Vladivostok, Oct. 29-Nov. 13: Cases, 4; deaths, 17. See p. 1939, Vol. XXV.
Syr Darya territory.....	do.....	7	4	
Taurida government—				
Sebastopol.....	Nov. 13-Dec. 3....	7	4	
Tambov government.....	Nov. 13-Dec. 10....	86	34	
Tiflis government.....	Nov. 6-26.....	2	2	
Vitebsk government.....	Nov. 6-19.....	3	2	
Veronesch government.....	Nov. 6-12.....	2	2	May 8, 1 case.
Yekaterinoslav government.....	Nov. 6-Jan. 14....	65	34	
Siain:				
Bangkok.....	Nov. 6-Apr. 15....	1,274	1,264	
Straits Settlements:				
Singapore.....	Dec. 25-Apr. 29....	7	6	Mar. 7, present in Soembawa, Batangkapas, Taloe, and Timbelon. Mar. 25, present at Solok.
Sumatra.....				Present.
Bambel.....	Dec. 29.....			Do.
Biagmoeti.....	Nov. 14.....			Do.
Keretan.....	Dec. 29.....			Do.
Pengoelodjaha.....	Nov. 14.....			Do.
Tripoli:				
Amrousse.....	Sept. 20-Dec. 8....	6	5	
Hani.....	do.....	3	2	
Tripoli.....	Nov. 15-Dec. 8....	37	37	Total Sept. 20-Dec. 8: Cases, 223; deaths, 233.
Turkey:				
Adrianople Vilayet.....	Nov. 21-Dec. 15....	60	60	94 cases and 34 deaths reported, p. 1940, Vol. XXV.
Constantinople.....	Nov. 22-Jan. 16....	841	529	Total from Sept. 13-Jan. 16: Cases, 1,318; deaths, 793.
Saloniki Vilayet.....	Dec. 11-31.....	50	25	

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Turkey in Asia: Bagdad Vilayet.....	Nov. 20-Dec. 11....	119	115	Total Oct. 16-Jan. 16: Cases, 819; deaths, 723.
Basra.....	Nov. 6-26.....	10	9	
Medina.....	Jan. 22-Feb. 28.....		667	
Mekka.....	Dec. 26-Jan. 28.....	153	142	Feb. 5, present.
Samsun.....	Nov. 20-Dec. 3.....	6	6	May 31, present.
Smyrna.....	Nov. 20-May 6.....	337	203	
Trebizond.....	Nov. 20-Dec. 18.....	107	42	And vicinity.
Yembo.....	Jan. 7-Feb. 13.....	37	37	
Zongouldak.....	Nov. 20-Dec. 16.....	9	6	
At sea.....	June 8.....		1	On s. s. Berlin bound for New York from Naples.

YELLOW FEVER.

Barbados.....	May 8-June 7.....	2	1	
Brazil:				
Bahia.....	Apr. 16-Apr. 26.....		14	
Manaos.....	Dec. 4-May 13.....		161	
Para.....	Nov. 27-May 20.....	188	84	Mar. 12, 1 case from the British s. s. Cearense.
Pernambuco.....	Mar. 1-Apr. 30.....		2	
Rio de Janeiro.....	Feb. 21-Mar. 11.....	1	1	
British Gold Coast:				
Accra.....	May 29.....			Present.
Dominican Republic:				
Santiago de los Caballeros.....				Sept., 1910, present.
Ecuador:				
Guayaquil.....	Nov. 1-Apr. 30.....	169	69	Including 14 cases with 3 deaths, in April, on a coaling vessel at dock.
Milagro.....	Apr. 1-30.....	3	2	
Naranjito.....	Mar. 1-Apr. 15.....	4	1	
San Antonio, hacienda.....	Mar. 1-31.....	1	1	
Gambia:				
Bathurst.....	Mar. 29.....			Present.
Honduras:				
Puerto Cortez.....	Jan. 21-29.....			1 fatal case on U. S. S. Marietta.
Mexico:				
Frontera.....	June 7.....	1		From Laguna.
Salina Cruz.....	Mar. 4.....	1	1	From s. s. Opland from Guatemalan ports.
Portuguese Guinea:				
Present.....	May 24.....			Present.
Venezuela:				
Caracas.....	Dec. 4-Feb. 28.....	57	16	Nov. 22-Dec. 3, 5 deaths.
La Guaira.....	Dec. 1-15.....	1	1	Jan. 22-27, 1 fatal case in Canton suburb.
Macuto.....	Dec. 1-7.....	1		
Maiquetia.....	Nov. 29.....	1		

PLAGUE.

Arabia:				
Maskat.....	Mar. 26-May 13.....	73	51	
Azores:				
Terceira.....	Dec. 24.....			Present.
Brazil:				
Bahia.....	Oct. 29-Apr. 15.....	65	53	
Para.....	Apr. 2-May 27.....	10	7	June 7, present.
Pernambuco.....	July 1-Apr. 15.....		16	
Rio de Janeiro.....	Jan. 1-May 6.....	20	11	Nov. 1-Dec. 31: Cases 19, deaths 5.
Sao Paulo.....	Jan. 8-Feb. 25.....	3	3	
British East Africa:				
Kismayu.....	May 19.....			Present.
British Egyptian Sudan:				
Suakin.....	Apr. 20-23.....	1		On s. s. Sultana.
Chile:				
Arica.....	Jan. 26-Feb. 5.....	5	1	
Iquique.....	Jan. 1-May 6.....	29	12	Dec. 23-May 1, present.
Pisagua.....	Feb. 7-Apr. 7.....	9	7	

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Jan. 21-Mar. 18....	11	11	Apr. 16-22: 4 deaths daily; Jan. 21-Apr. 29, present in Amoy Island; and Mar. 26-Apr. 8, 15 deaths. Three of these cases were of the pneumonic form.
Kulangsu.....	Jan. 1-21.....	3	3	
Changtu.....	Jan. 14.....			Present.
Hongkong.....	Apr. 24-May 6....	30	18	
Paoting-fu.....	Jan. 24.....			Do.
Peking.....	do.....	2		
Shantung Province.....				Total, Jan. 12-Apr. 13: Deaths 3,060.
Chefoo.....	Jan. 15-Apr. 15....		1,100	
Chinchowfu.....	Mar. 12-18.....		36	
Lachow.....	Apr. 15.....		300	
Pingtau.....	Mar. 12-18.....			Present.
Tengchowfu.....	Feb. 4.....		30	
Sioke.....	Dec. 6-Jan. 4....			Present in the interior 60 miles from Amoy.
Swatow.....	Jan. 28-May 20....			Present in vicinity.
Tientsin.....	Jan. 21-Mar. 18....		27	Jan. 17-Feb. 20, 60 cases.
Wangkochuang.....				Feb. 25, present.
Manchuria.....				Total for Manchuria, Oct. 25-Feb. 3: Cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756.
Ah Cheng.....	To Mar. 9.....		1,451	
An Feng Line.....	Feb. 13.....		41	
Ashihe.....	Dec. 25-Jan. 13....	2		Feb. 10: Deaths, 300 daily.
Buhedu.....	Oct. 30.....	3	3	
Changchun.....	Jan. 1-Mar. 27....		2,696	
Chang Tu.....	To Mar. 9.....		428	
Chen An.....	Mar. 7.....		88	
Cheng Te.....	Mar. 10.....		672	
Ching Chow.....	To Mar. 2.....		36	
Ching Hsi.....	Mar. 4.....		19	
Dalny.....	Jan. 11-Feb. 8....	66	66	
Dunzenshan.....	To Dec. 25-Feb. 3..		22	
Fa Ku.....	To Mar. 3.....		217	
Feng Hua.....	To Feb. 13.....		149	
Fenting Province.....	To Mar. 29.....		7,137	
Fuchiatien.....				Nov. 8-Mar. 18: Deaths, 5,149.
Fushun.....	To Mar. 9.....		66	
Hallar.....	Dec. 6-Feb. 5....		86	
Harbin.....				And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Heilung.....	Feb. 27.....		8	
Heilungkiang.....	Jan. 7-Mar. 29....		13,739	
Hsintun.....	To Mar. 7.....		328	
Hsi An.....	Feb. 28.....		111	
Hsi Feng.....	Mar. 4.....		31	
Hwai Te.....	To Mar. 8.....		795	
Hu Lan.....	Dec. 31-Mar. 8....		1,562	
Iaomin.....	Dec. 25-Jan. 13....	1	1	
I Chow.....	To Mar. 1.....	79		
I Lan.....	Mar. 9.....		143	
Kai Yuan.....	To Mar. 7.....		211	
Kang Ping.....	Feb. 28.....		159	
Kirin.....	Jan. 7-Mar. 29....		21,880	
Kuanchentszi.....	Jan. 1-Feb. 3....	8	3	
Kwang Ning.....	To Mar. 9.....		204	
Lao Chung.....	Feb. 27.....		33	
Liao Yang.....	Mar. 3.....		45	
Liao Yuan.....	Mar. 9.....		21	
Lan Hsi.....	Mar. 5.....		344	
Liesania vetka Handa-ohedzy.....	Dec. 25-Jan. 13....	9	9	
Lochagri.....	Dec. 27.....	4	4	
Loshagoon.....	do.....	4		
Maneduria, station.....	Dec. 7-26.....		95	
Moershan.....	Jan. 1-20.....	1	1	
Mukden.....	Jan. 1-Mar. 10....		1,656	Mar. 5-31, 236 cases.
Ning An.....	Feb. 18.....		9	
Ning Yuan.....	Mar. 4.....		67	
Pan Shan.....	Feb. 24.....		3	
Pa Yeu.....	Mar. 4.....		489	

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Manchuria—Continued.				
Pen Hsi.....	To Mar. 11.....		17	
Pinchow.....	Jan. 28—Mar. 7.....		1,254	
Sanshahe.....	Jan. 1—20.....	3	3	
Shing King.....	To Mar. 7.....		8	
Shu Chung.....	Feb. 16.....		76	
Sui Hua.....	To Mar. 8.....		1,198	
Swang Cheng.....	To Mar. 6.....		5,517	
Tieh Ling.....	Jan. 14—Mar. 3.....		73	
Tchjalainarskiy.....	Nov. 11—Dec. 3.....	104	106	Cases previously reported, 14; deaths, 12.
Tchjalantum.....	Nov. 21—Jan. 14.....		42	
Te Hual.....	To Feb. 25.....		225	
Tun Fa.....	Feb. 6.....		9	
Turehiha.....	Oct. 30.....	4	4	
Tzaitzalgoy.....	Jan. 1—20.....	2	2	
Ecuador:				
Babahovo.....	Dec. 16—Jan. 15.....	16	4	
Duran.....	Dec. 16—Mar. 31.....	11	5	
Guayaquil.....	Nov. 1—Apr. 15.....	260	205	
Milagro.....	Jan. 1—Mar. 15.....	10	5	
Egypt:				
Alexandria.....	Jan. 4—Apr. 28.....	3		Nov. 29—Dec. 24, 5 cases, 2 deaths.
Cairo.....	Feb. 11.....	1	1	
Port Said.....	Apr. 8—13.....	2	2	
Provinces—				
Assiout.....	Jan. 1—May 4.....	148	71	Dec. 1—29, 50 cases, 24 deaths.
Assouan.....	Jan. 1—Apr. 26.....	491	307	
Behera.....	Jan. 1—17.....	3		
Beni Souef.....	Feb. 7—11.....	2	2	
Favoum.....	Mar. 15—18.....	11	9	
Galloubeeh.....	Feb. 28—Apr. 10.....	2	1	Nov. 22—Dec. 2, 1 case, 1 death.
Garbieh.....	Mar. 3—14.....	5	3	
Girgeh.....	Apr. 2—15.....	16	13	
Gizeh.....	Jan. 1—Feb. 1.....	9	5	
Kena.....	Jan. 14—May 4.....	451	343	
Menouf.....	Jan. 1—May 4.....	57	34	Dec. 2—22, 26 cases, 14 deaths.
Minieh.....	Feb. 22—May 4.....	76	27	
German East Africa:				
Muanza.....	Nov. 16—Mar. 22.....	30	6	
Great Britain:				
Glasgow.....	May 30—June 1.....	1	1	From s. s. City of Benares from Kurrachee.
Hawaii:				
Honokaa.....	Jan. 31—Apr. 19.....	3	3	
India:				
Bombay.....	Nov. 23—May 13.....		3,313	Feb. 19—May 13, 3,489 cases.
Calcutta.....	Nov. 13—Apr. 22.....		789	
Kurrachee.....	Nov. 19—May 13.....	2,203	2,028	
Madras.....	Dec. 11—17.....		1	
Rangoon.....	Jan. 1—Apr. 29.....	399	376	Dec. 11—31, 10 deaths.
Bombay Presidency and Sind.....	Oct. 29—Apr. 15.....	46,925	32,611	
Madras Presidency.....	do.....	8,195	6,761	
Bengal.....	do.....	65,619	53,671	
United Provinces.....	do.....	266,256	237,292	
Punjab.....	do.....	93,071	77,011	
Burma.....	do.....	3,975	3,760	
Eastern Bengal and Assam.....	Jan. 29—Apr. 15.....		10	
Central Provinces.....	Oct. 29—Apr. 15.....	30,773	23,688	
Coorg.....	do.....		24	
Mysore State.....	do.....	9,254	6,573	
Hyderabad State.....	do.....	6,875	5,783	
Central India.....	do.....	8,864	7,407	
Rajputana and Ajmere Marwara.....	Oct. 29—Apr. 15.....	21,468	17,393	
Kashmir.....	Nov. 6—Apr. 15.....	530	310	
North West Province.....	Dec. 10—Apr. 15.....	185	129	
Grand total.....		562,024	472,410	
Indo-China:				
Saigon.....	Nov. 14—Apr. 16.....	53	12	
Japan:				
Formosa.....	Jan. 22—Apr. 22.....	79	66	In the southern part. In Kagi Province to May 6: Cases 140.

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Java:				
Batavia.....	Apr. 7.....			Present. Feb. 18—Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.
Paseroean Residency, Malang.	Mar. 1-May 6.....	280	170	May 6, present in Japara and Surabaya.
Mauritius.....	Dec. 30-Mar. 30....	116	53	Sept. 30-Dec. 29: Cases, 511; deaths, 290.
New Caledonia:				
Noumea.....	Sept. 17.....			Present.
New Zealand:				
Auckland.....	Mar. 21.....	3	1	From Onehunga.
Persia:				
Buchir.....	Apr. 23-29.....	6	5	
Peru:				
Departments—				
Ancachs.....	Feb. 1-Mar. 18.....	15	2	Mar. 4, present at Casma.
Arequipa.....	Nov. 1-Apr. 30.....	36	12	
Mollendo.....				Mar. 10-Apr. 18: Cases, 13; deaths, 6.
Cajamarca.....	Feb. 1-28.....	7	5	
Callao.....	Nov. 1-Apr. 30.....	8	2	
Chiclayo.....	Mar. 1-Apr. 30.....	18	6	
Lambayeque.....	Nov. 1-Apr. 30.....	57	28	
Libertad.....	do.....	251	108	Dec. 10-Mar. 11, present in Chicama Valley. Mar. 1, present in Moche and Viru. Trujillo, May 8, 16 cases in lazaretto.
Lima.....	Nov. 1-Apr. 1.....	40	21	Lima—Feb. 19-Mar. 11: Cases, 9; deaths, 8. Mar. 11: Catacaos, epidemic.
Huaro-chiri.....	Mar. 1-18.....	1		
Pacasmayo.....	Mar. 19-Apr. 30.....	4	4	
Piura.....	Nov. 1-Mar. 18.....	77	41	
Portuguese East Africa:				
Nahoria.....	May 26.....			Present.
Russia:				
Astrakhan Government—				
Abil-Isken.....	Nov. 22-29.....	4	4	
Kirghiz Steppe.....	Dec. 17-Feb. 7.....	106	88	
Kolden.....	Dec. 6-13.....	8	3	
Koybai.....	Dec. 10-13.....	5	1	
Kulken Island.....	Oct. 13-Nov. 4.....	5	5	
Nauraali-Tehaygal.....	Nov. 23-29.....	5	5	
Neuren.....	Nov. 17-21.....	1	1	
Trans-Caucasia.....				Total from Oct. 23-Nov. 24: Cases, 28; deaths, 5.
Petrovsk.....	Nov. 23.....	1	1	
Sanitza-Oliviana.....	Nov. 22.....	1	1	
Baku.....	Dec. 17.....	1	1	
Batum.....	do.....	1	1	
Odessa.....	Jan. 1-Mar. 5.....	3	2	Dec. 9, 1 death.
Siam:				
Bangkok.....	Nov. 27-Apr. 15.....	50	44	
Straits Settlements:				
Singapore.....	Nov. 13-Apr. 22.....	4	4	
Trinidad.....	Feb. 8-May 10.....	7	2	
Turkey in Asia:				
Basra.....	May 7-13.....	2	2	
Jiddah.....	Dec. 16-Apr. 24.....	37	32	
Venezuela:				
Caracas.....	Apr. 10-28.....	5		Nov. 9, present.

SMALLPOX.

Abyssinia:				
Adis Ababa.....	Nov. 20-Feb. 11.....			Present.
Algeria:				
Algiers.....	Mar. 1-31.....		1	
Arabia:				
Aden.....	Jan. 9-Apr. 10.....	126	15	And vicinity.
Berbers.....	Dec. 9-Jan. 9.....			Epidemic.
Buflar.....	Jan. 25.....			Present.
Maskat.....	Jan. 1-21.....	3		1 case from a British naval vessel.
Zelia.....	Jan. 25.....			Present.

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Argentina:				
Buenos Aires.....	Oct. 1-Mar. 31.....		35	
Rosario.....	do.....		37	
Australia:				
Adelaide.....				Sept., 1910, 1 case on s. s. Kazembe from Singapore.
Austria-Hungary:				
Bohemia.....	Apr. 9-22.....	3		
Galicia.....	Mar. 12-May 13.....	13		
Krain.....	Mar. 5-May 6.....	10		
Trieste.....	Apr. 16-May 13.....	4	1	
Barbados:				
Bridgetown.....	Jan. 14.....	1		From steamship Cara from Rio de Janeiro.
Belgium:				
Antwerp.....	Mar. 26-Apr. 29.....	3		
Brazil:				
Bahia.....	Oct. 29-Jan. 6.....	62	31	
Para.....	Nov. 27-May 27.....	74	18	
Pernambuco.....	July 1-Apr. 30.....		1,764	
Rio de Janeiro.....	Jan. 1-May 6.....	9	4	Nov. 14-Dec. 31, 6 cases.
Sao Paulo.....	Jan. 8-Mar. 11.....	2	1	
Canada:				
British Columbia—				
Fernie.....	Feb. 19-Apr. 1.....	10		
Vancouver.....	Jan. 1-May 27.....	28		
Victoria.....	Dec. 11-Feb. 28.....	59		
Grosse Isle Quarantine Station.	May 3.....	2		From s. s. Dominion from Liverpool.
Manitoba—				
Winnipeg.....	Apr. 2-29.....	3		
New Brunswick—				
Campbelltown.....	Apr. 4-10.....	1		
Moncton.....	Jan. 29-Feb. 11.....	15		
Newcastle.....	Dec. 18-May 27.....	13		Jan. 14-June 3, in vicinity.
St. Marys.....	Apr. 9-15.....	1		
Newfoundland—				
St. Johns.....	Mar. 12-18.....	2		
Nova Scotia—				
Halifax.....	Jan. 1-May 6.....	13		
Louisburg.....	Dec. 25-Feb. 4.....	9		
Sydney.....	Jan. 22-June 3.....	10		
Ontario—				
Cornwall.....	Jan. 1-May 25.....	4		
Fort William.....	Apr. 3-May 29.....	7		
Ottawa.....	Dec. 18-May 27.....	62		
Sarnia.....	Mar. 19-Apr. 8.....	2		
Prince Edwards Island.....	Mar. 1-Apr. 29.....	150		In a French settlement 70 miles from Summerside.
Charlottetown.....	Mar. 29-May 16.....	24	1	
Quebec—				
Pasphebiac.....	May 21-27.....	1		
Quebec.....	Feb. 12-June 3.....	20		Total for Province of Quebec, Apr. 28: Cases, 300.
Ceylon:				
Colombo.....	Nov. 13-Apr. 22.....	41	9	
Chile:				
Coquimbo Province.....	Dec. 13-30.....			Present in two localities.
Iquique.....	Nov. 13-19.....		1	
Punta Arenas.....	Nov. 1-30.....	1		
Tulcahuano.....	Nov. 13-Dec. 17.....	23		
Valparaiso.....	Nov. 20-May 6.....	700		Deaths not generally reported. Jan. 8-14, 2 deaths; May 20, present.
China:				
Amoy.....	Mar. 8-14.....		8	Mar. 25-Apr. 8, still present in vicinity.
Canton.....	Dec. 11-17.....	26	3	
Chefoo.....	do.....			Present among natives.
Chungking.....	Nov. 13-May 6.....			Present.
Hankow.....	Mar. 26-Apr. 1.....			Do.
Hongkong.....	Dec. 4-May 6.....	134	84	
Manchuria—				
Dalny.....	Nov. 27-Feb. 11.....	2	1	
Nanking.....	Nov. 20-Apr. 29.....			Present.
Shanghai.....	Nov. 21-Apr. 30.....	61	187	Deaths among natives.
Swatow.....	Jan. 1-7.....			Present 25 miles inland; Jan. 21-May 20, present in vicinity.
Tsintau.....	Jan. 8-Apr. 22.....	27	1	May 20, present.

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Colombia:				
Cartagena.....	Jan. 15-May 21.....			Present.
Ecuador:				
Guayaquil.....	Apr. 22.....			One case from s. s. Manavi from Manta.
Egypt:				
Alexandria.....	Jan. 1-Mar. 31.....	27	21	Nov. 1-Dec. 31, 1 case, 2 deaths.
Cairo.....	Dec. 3-May 13.....	29	8	
Port Said.....	Dec. 17-May 13.....	50	34	
France:				
Paris.....	Dec. 3-May 13.....	79		
Gambia.....	Apr. 8.....			Present.
Germany.....				Total for Germany, Dec. 4-May 27, cases 145.
Hamburg.....	May 14-20.....	2		
Magdeburg.....	Mar. 19-Apr. 8.....	3		
Gibraltar.....	Jan. 16-Apr. 23.....	6		
Great Britain:				
Dublin.....	Jan. 15-21.....	1		
Dundee.....	May 7-20.....	1	1	
Glasgow.....	Apr. 30-May 5.....	2		
Leith.....	Dec. 11-17.....	2		
Liverpool.....	Jan. 29-May 13.....	9		From a steamship from Oporto.
London.....	Feb. 19-May 27.....	271	8	
Nottingham.....	Mar. 12-18.....	1		
Guatemala:				
Estora.....	May 21.....			Present.
Quirigua.....	do.....			Do.
Guiana:				
Georgetown.....	May 15.....	1		
Hawaii:				
Honolulu.....	Jan. 3-May 4.....	5		Jan. 3, 3 cases on s. s. Kiho Maru from Manzanillo. Feb. 18, 1 case on s. s. Chiyo Maru from Yokohama.
Olaa.....	May 4.....	1		In vicinity Mar. 14-30, 9 cases, including 3 reported Mar. 26, at Waiakea.
Hilo.....				
Kona.....	Mar. 22.....	1		
Maui—				
Puuene.....	Jan. 24.....	39		
Waikapu.....	Jan. 31.....	1		
India:				
Bombay.....	Dec. 6-May 13.....		300	Feb 19-Apr. 29, 482 cases.
Calcutta.....	Nov. 6-Apr. 22.....		41	
Madras.....	Nov. 20-May 6.....	818	360	
Rangoon.....	Jan. 1-Apr. 29.....	1,335	499	
Indo-China:				Nov. 20-Dec. 31, 6 deaths.
Saigon.....	Nov. 14-Apr. 16.....	456	83	
Italy:				
Genoa.....	Feb. 1-May 15.....	13		
Naples.....	Dec. 4-May 15.....	555	209	
Palermo.....	Jan. 8-May 27.....	196	72	
Turin.....	Jan. 8-May 5.....	5		
Japan:				
Formosa.....	Mar. 19-25.....	1		Dec. 26-Jan. 1, 2 cases from s. s. Shimosa from New York, via ports.
Kobe.....	Dec. 26-Apr. 8.....	6	1	
Nagahama.....	Mar. 23.....	1		From s. s. Luceric from Hong-kong via ports.
Java:				
Batavia.....	Dec. 26-Mar. 18.....	12		
Lourenco Marquez.....	Mar. 1-31.....	2		
Malta:				
Valetta.....	Dec. 4-Jan. 28.....	4		
Mexico:				
Aguascalientes.....	Dec. 25-Apr. 23.....		62	
Chihuahua.....	Jan. 30-May 21.....	8	4	
Ciudad Porfirio Diaz.....	May 14-20.....		1	
Ensenada.....	Mar. 12-May 20.....	35	5	
Frontera.....	June 12.....	2		
Guadalajara.....	Jan. 29-Apr. 1.....	2	2	
Juarez.....	May 14-June 3.....	20	1	
Mexico.....	Dec. 11-May 6.....		164	Reports from Jan. 6-23 not received.
Monterey.....	Dec. 19-Apr. 16.....		2	
Nogales.....	May 21-27.....	3		

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

Reports Received from Dec. 31, 1910, to June 16, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Salina Cruz.....	May 14-20.....	1		
San Juan Bautista.....	May 26.....	40	10	
San Luis Potosi.....	Nov. 13-May 20....	185	40	Jan. 26, present in the interior of the State.
Tampico.....	Dec. 2-May 30.....	136	35	Present in Dona Cecilia, La Barra, and Tancoi.
Vera Cruz.....	Mar. 15-18.....	1	1	From a sailing vessel.
Morocco:				
Tangier.....	Mar. 19-25.....			Epidemic.
Netherlands:				
Rotterdam.....	Dec. 11-Jan. 28....	4		
New Zealand:				
Lyttelton.....	Dec. 30.....	1		On s. s. Knight of the Garter from Karotzu, Japan.
Peru:				
Salaverry.....	Jan. 25-Mar. 21....	17	2	Jan. 10-Feb. 7, present.
Truxillo.....	Dec. 19.....		2	Dec. 19-Jan. 7, present in vicinity.
Philippine Islands.				Third quarter, 1910: Cases, 11; deaths, 0.
Portugal:				
Lisbon.....	Dec. 3-May 20.....	354		Oct. 30-Dec. 31, deaths, 48. Year 1910, 286. Jan. 1-Apr. 22, deaths, 49.
Russia:				
Libau.....	Dec. 5-May 13.....	9	4	
Moscow.....	Nov. 15-May 13....	357	122	
Odessa.....	Nov. 20-May 6....	42	8	
Riga.....	Dec. 11-May 6....	168		Oct. 1-Dec. 31, 82 deaths. Jan. 1-Feb. 28, deaths 38.
St. Petersburg.....	Nov. 13-May 6....	646	178	
Warsaw.....	Oct. 9-Mar. 18....		49	
Siberia:				
Vladivostok.....	Nov. 22-Mar. 21....	36	5	
Siam:				
Bangkok.....	Dec. 21-Apr. 15....	17	13	
South Africa:				
Cape Town.....	Mar. 5-Apr. 29....	4		
Johannesburg.....	Mar. 17-Apr. 29....	18	6	
Spain:				
Barcelona.....	Dec. 5-May 26.....		3	Mar. 12, present.
Madrid.....	Nov. 1-Apr. 30....		34	
Seville.....	Jan. 1-Apr. 30....		13	
Valladolid.....	Mar. 1-11.....			Epidemic.
Valencia.....	Nov. 27-May 13....	100	3	
Straits Settlements:				
Penang.....	Jan. 1-Apr. 22.....	82	28	Nov. 6-Dec. 31: Cases, 69; deaths, 68.
Singapore.....	Nov. 13-Apr. 29....	129	32	
Switzerland.				
Cantons—				
Aargau.....	Jan. 29-Mar. 18....	58		
Baselstadt.....	Feb. 19-25.....	1		
Bern.....	Dec. 12-Apr. 15....	21		
Turkey:				
Constantinople.....	May 8-14.....		1	Dec. 19-25, death, 1.
Turkey in Asia:				
Adana.....	Mar. 14.....		1	
Beirut.....	Dec. 4-May 20....	66	6	
Kharpuz.....	Apr. 2-May 30....	33	2	
Smyrna.....	Dec. 18-May 6....	3		
Uruguay:				
Montevideo.....	Oct. 1-Mar. 31....	67	21	
Zanzibar:				
Zanzibar.....	Oct. 31-Apr. 30....	81	54	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen.....	May 20	163,034	46									11	2	1
Do.....	May 27		54									1	2	
Amsterdam.....	May 20	576,691	126	22								1		1
Antwerp.....	May 27	327,668	59	5									1	
Do.....	May 20		50	5										1
Batavia.....	Apr. 29	217,630	100			60				1				
Do.....	May 6		100			60				1				
Barcelona.....	May 30	591,272	170	13								3	3	3
Barranquilla.....	May 20	40,000	30	1						2				
Belgrade.....	May 27	90,050	42							2				
Berlin.....	May 20	2,074,119	538	83						1	12	10	6	11
Bordeaux.....	May 27	253,000	91	19								1	2	1
Bremen.....	do.....	246,850	48	10						1		2	2	1
Bristol.....	do.....	387,511	87	6								1	8	4
Budapest.....	May 20	950,610								2	6	1	2	
Calcutta.....	Apr. 29	890,493	515	32	113	66		4						
Christiania.....	May 14	245,000	70	13										
Do.....	May 27		59	10										5
Constantinople.....	June 4	1,000,000	198	38				2		2				
Chemnitz.....	May 27	292,825	87	13								2		
Cologne.....	do.....	519,740	149	15							3	3	7	3
Copenhagen.....	May 20	462,000	165	20										8
Dundee.....	May 27	171,006	61	11									1	2
Edinburgh.....	do.....	320,829	104	8							1		5	5
Erfurt.....	May 13	124,270	31									2		
Do.....	May 20		37	3								1		
Fort William.....	June 5	22,000	6	1										1
Frankfort on the Main.....	May 13	414,800	97									2		1
Do.....	May 20		107									1		3
Ghent.....	May 13	165,965	44	4							1	1		
Do.....	May 20		39	3						1				
Do.....	May 27		52	2								2		
Glasgow.....	June 2	784,655	275								3	1	7	26
Gothenburg.....	May 20	168,000	44	7								2		
Guadalajara.....	June 3	118,799	68											
Hongkong.....	May 6	336,488			17			6		1				
Hull.....	May 27	278,968	75							1				1
Iquique.....	Apr. 22	38,382		5	4									
Do.....	Apr. 29			8	3									
Do.....	May 6			8						1				
Do.....	May 13			6							1			
Kingston.....	May 27	59,584								2				
Kurrachee.....	May 6	148,000	358		272									
Do.....	May 13		320		258									
Leeds.....	May 27	445,568	137	9							2	1	4	5
Leipzig.....	do.....	585,743	133	15							1	2	2	1
Libau.....	May 21	90,000										1		
Do.....	May 23													
Lyon.....	May 20	520,775	142	32							1	2		
Madras.....	May 13	550,000	366					12					4	
Magdeburg.....	May 20	277,011	121	10							1	1	2	
Manaos.....	do.....	52,000	39	1										
Manchester.....	May 27	631,533	211	23			5				3	5	24	3
Monterey.....	June 4	100,000	56	5							5			
Montreal.....	June 10	450,000	163	19						5	2	1		1
Newcastle on Tyne.....	May 27	290,360	94	12								4		1
Odessa.....	May 6	383,000	176	33				1	2	3		4		1
Do.....	May 13		189	31					4	2	1	5		5
Ottawa.....	June 3	86,030	20	2										
Do.....	June 10		23	1					1					
Paris.....	May 20	2,846,986	868	238						7	1	7	26	4
Do.....	May 27		940	196						5	2	7	27	8
Port Antonio.....	June 3	42,836	1	1							1			
Port Elizabeth.....	May 13	32,248	11	3										
Rotterdam.....	May 27	429,407	103									1		
Saigon.....	Apr. 23	1,206,000	30		3	25		2						
Do.....	Apr. 30				7	2								
Do.....	May 7		25		7	14		4						

1 Including Cholon and Pnompenh.

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
St. Petersburg.....	May 13	1,907,708	816	129				6		11	7	1	27	7
Sao Paulo.....	Mar. 11	100,000								1				
Do.....	Mar. 18									2			1	1
Shanghai.....	May 7	492,000	109	10							1	1		
Do.....	May 14		121	12				2					3	
Do.....	May 21		125	17				3			2	4		
Sheffield.....	May 13	472,000	110	7						1			3	1
Do.....	May 20		113	10								1	2	2
Singapore.....	Apr. 15	271,060	231	32		1		2		1				
Do.....	Apr. 22	303,328	264	42	1	1								
Do.....	Apr. 29		326	38		1		4		2				
Smyrna.....	do.....	400,000	54	8		2							1	
Do.....	May 6		61	10		3							3	
Do.....	May 13		46	15		3				1			2	1
Do.....	May 20		51	13						2				
Southampton.....	do.....	129,667	23	2									1	
South Shields.....	May 13	121,866	37	5									4	
Do.....	May 20		30	6									1	
Do.....	May 27		34	3									3	
Stettin.....	May 6	234,033	61	9						2			1	
Do.....	May 13		78	9							1	1		
Do.....	May 20		64	6									1	
Do.....	May 27		55	6								1		
Stockholm.....	May 13	343,832	75	22										
Do.....	May 20		86	14								1		
Tampico.....	May 30	23,452	47					1					1	
Trieste.....	May 13	229,499	102									3		
Do.....	May 20		83										2	
Turin.....	May 5	401,555	143	14										1
Do.....	May 13		139	14						1				2
Do.....	May 20		128									5		
Valencia.....	May 13	240,000	95	6						1			1	
Do.....	May 20		92	5				1					1	
Vancouver.....	May 27	125,000	24								1	2		
Vienna.....	May 13	2,047,988	698	113							2	7	12	3
Do.....	May 20		682	114						1	1	2	13	
Vigo.....	Apr. 29	41,500	19	3									1	
Warsaw.....	Mar. 18	781,179	288	36				1			8	2	2	
Do.....	Mar. 25	797,093	260	45						2	6	2	3	4
Do.....	Apr. 1		266	32				3		2	2	2	1	2
West Hartlepool.....	May 13	66,750	25									1		
Do.....	May 20		18											
Winnipeg.....	do.....	135,000	31	1								3	1	
Do.....	May 27	151,958	44	1							1	4		
Yokohama.....	May 15	419,630								3				
Do.....	May 22										2			
Yokkaichi.....	Apr. 8	70,000	10										1	
Do.....	Apr. 15		10										1	
Do.....	Apr. 22		5										1	
Do.....	May 6		10	1										

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

AZORES—*St. Michaels*.—Month of March, 1911. Population, 131,183. Total number of deaths from all causes 172, including diphtheria 2, tuberculosis 5, typhoid fever 3.

BRAZIL—*Ceara*.—Month of April, 1911. Population, 55,000. Total number of deaths from all causes 146, including smallpox 2, tuberculosis 22, typhoid fever 9, yellow fever 1.

Pernambuco.—Two weeks ended March —, 1911. Population, 200,000. Total number of deaths from all causes 442, including smallpox 98, tuberculosis 63.

Month of April, 1911. Total number of deaths from all causes 814, including smallpox 180, tuberculosis 118, typhoid fever 4, typhus fever 1.

Rio de Janeiro.—Two weeks ended March 18, 1911. Population, 870,475. Total number of deaths from all causes 806, including measles 4, plague 2, smallpox 2, tuberculosis 147, typhoid fever 1.

Month of April, 1911. Total number of deaths from all causes 1,895, including diphtheria 1, measles 6, tuberculosis 367, typhoid fever 7.

CANADA—Hamilton.—Month of May, 1911. Population, 73,500. Total number of deaths from all causes 106, including diphtheria 1, tuberculosis 8.

FORMOSA.—Two weeks ended April 29, 1911. Population, 3,290,186. Total number of deaths from all causes 33, including diphtheria 1, plague 28, typhoid fever 1.

FRANCE—Calais.—Month of May, 1911. Population, 80,000. Total number of deaths from all causes 99, including tuberculosis 24.

GREAT BRITAIN.—Week ended May 27, 1911.

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 13.3 per 1,000 of the population, which is estimated at 16,257,983.¹

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 16.5 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Lurgan, viz, 4.4 and the highest at Dundalk, viz, 31.9 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 17.7 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Paisley, viz, 10.5 and the highest at Perth, viz, 21.8 per 1,000. The total number of deaths from all causes was 581, including diphtheria 1, measles 13, scarlet fever 5, typhoid fever 1.

ITALY—Genoa.—Two weeks ended May 31, 1911. Population 279,163. Total number of deaths from all causes 438, including diphtheria 4, measles 5, scarlet fever 1, tuberculosis 27, typhoid fever 1.

Messina.—Month of May, 1911. Population 93,672. Total number of deaths from all causes 132, including measles 1, tuberculosis 11, typhus fever 1.

JAMAICA—Kingston.—Month of May, 1911. Population 53,053. Total number of deaths from all causes 179, including tuberculosis 15.

¹ The provisional estimates of population are now based on the census returns of 1901 and 1911, so far as the latter have been made known.

MALTA.—Weeks ended May 6, 20, and 27, 1911. Population 215,879. Total number of deaths from all causes 209, including measles 1, tuberculosis 7.

NEW ZEALAND.—Month of February, 1911.

Auckland.—Population, 81,690. Total number of deaths 67, including tuberculosis 6, typhoid fever 2.

Christchurch.—Population, 80,523. Total number of deaths 41, including tuberculosis 5.

Dunedin.—Population, 64,402. Total number of deaths 40, including tuberculosis 3.

Wellington.—Population, 78,243. Total number of deaths 50, including tuberculosis 3.

PORTUGUESE EAST AFRICA.—*Lourenco Marquez.*—Month of March, 1911. Population, 10,000. Total number of deaths from all causes 34, including smallpox 2, tuberculosis 4.

ST. THOMAS.—Two weeks ended May 26, 1911. Population, 12,019. Total number of deaths from all causes 11, including tuberculosis 1.

TURKS ISLANDS.—Three weeks ended May 27, 1911. Population, 1,800. Total number of deaths from all causes 3. No contagious diseases.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.