

# PUBLIC HEALTH REPORTS.

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## POLIOMYELITIS IN THE UNITED STATES, 1910 AND 1911.

Cases of poliomyelitis are required by State law or regulation to be reported to the health authorities in the following States and Territories: California, District of Columbia, Hawaii, Idaho, Iowa, Maine, Massachusetts, Minnesota, New Jersey, New York, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Utah, Virginia, Washington, and Wisconsin.

Of the above States and Territories in which the disease is notifiable, no case was reported to the Surgeon General of the Public Health and Marine-Hospital Service during the year 1911 from Hawaii, Maine, New Jersey, Ohio, South Carolina, or Tennessee. It is known, however, that a considerable number of cases occurred in Cincinnati, Ohio.

The table on page 549 shows the prevalence of the disease during the calendar years 1910 and 1911, as given by State reports. This table has been compiled from special monthly reports made to the Surgeon General by the health departments of California, District of Columbia, Idaho, Illinois, Indiana, Iowa, Maryland, Massachusetts, Minnesota, New York, North Dakota, Oregon, Pennsylvania, Rhode Island, South Dakota, Virginia, Washington, and Wisconsin, and from the printed bulletins of these and other States.

The data is very incomplete. Only the cases were available in some instances and deaths only in others. Throughout the table it is evident that the deaths have been reported much more completely than the cases. The disease was undoubtedly also present in some States not appearing in the list. However, in spite of the unavoidable incompleteness of the information, the table shows the recorded geographic distribution and prevalence of the disease in the United States during the calendar years 1910 and 1911.

A similar table compiled from the same sources of information for the year 1910 appeared in the Public Health Reports for March 3, 1911, on page 242.

The States that made reports for each of the 12 months of the year 1911 and for which, therefore, the data should include all cases reported to the health department are as follows: District of Columbia, Indiana, Iowa, New York, Pennsylvania, Rhode Island, South Dakota, Virginia, Wisconsin, Oregon, Idaho, Washington.

The table, which, in addition to giving the cases and deaths reported for 1911, shows the totals for 1910 and also the deaths compiled by the Bureau of the Census from the registration States and cities for the same year, indicates that the disease has been present

during the last two years in all sections of the country. Asst. Surg. Hasseltine, while cruising in Alaskan waters on the revenue cutter *Rush* during the summer of 1910 reported that poliomyelitis had been recognized in Alaska at Douglas, Chicagoff, and Yakutat.<sup>1</sup> It is probable that no State or Territory in the continental United States has been entirely free from the disease and that the absence of reported cases simply indicates a lack of official means for being informed of their occurrence or a failure on the part of physicians to recognize or report sporadic cases and limited mild outbreaks.

From the reports of cases and deaths it appears that during 1910 the greatest prevalence of the disease was in Iowa, Massachusetts, Minnesota, New York, and Pennsylvania, and that a considerable, although lesser, number of cases occurred in Connecticut, District of Columbia, Illinois, Indiana, Kansas, Michigan, New Jersey, Ohio, Rhode Island, Washington, and Wisconsin. The seeming greater prevalence in these States may, however, be due, to some extent at least, to an active interest on the part of the health authorities and the more general recognition of cases on the part of practicing physicians. In those States in which the disease is not notifiable its prevalence must remain largely unknown.

During 1911 the greatest number of cases appear to have occurred in Illinois, Indiana, Iowa, Massachusetts, Minnesota, New York, Pennsylvania, and Wisconsin. There seems, however, to have been a marked decrease in the prevalence of the disease from that of 1910.

For the purpose of arriving at the case-fatality rate only those States can be considered in which especial effort was made to trace all cases of the disease. In Massachusetts of 601 cases occurring during 1910, studied by Lovett and Sheppard, 54 ended fatally. This gives a case-fatality rate of 9 for each 100 cases. In Vermont among 72 cases studied by Caverly there were 10 deaths, giving a case-fatality rate of 13.9 per 100 cases. Of 506 cases in 1910 in the District of Columbia studied by a special committee of the medical association there were apparently only 16 deaths, giving a case-fatality rate of 3.1 per hundred cases.

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<sup>1</sup> Public Health Reports May 5, 1911, p. 633.





# UNITED STATES.

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

[Adopted since July 1, 1911.]

### BROOKLINE, MASS.

#### PRIVIES AND CESSPOOLS.

##### ARTICLE VII.—*Vaults and cesspools.*

SECTION 1. No privy vault or cesspool shall hereafter be constructed in the town of Brookline without a permit therefor from the board of health. This shall not prohibit the construction of temporary privy vaults serving new buildings; but upon the installation of the necessary piping connecting such buildings with the sewer, any such privy vault shall be abolished and a tank-fed water-closet substituted therefor. The owner, contractor, or agent shall cause the contents of every such privy vault to be covered with lime, fresh earth, or ashes twice each day. All privy vaults, cesspools, and manure pits shall be flyproof.

SEC. 2. No privy vault or cesspool shall hereafter be constructed or maintained on any lot or premises where a sewer is accessible. All privy vaults and cesspools shall be located as directed by the sanitary agent, and no cesspool shall hereafter be constructed within 5 feet of any party line or fence, within 15 feet of the line of any street or within 20 feet of the door or window of any building used for habitation, except by special permission of the board of health. No cover shall be placed upon or over any cesspool or privy vault until the same shall have been inspected by the board of health or its agents. The minimum interior dimensions permitted for cesspools hereafter constructed in this town shall be 6 feet deep and 6 feet in diameter.

SEC. 3. No rain-water leader, soil, waste, or drain pipe shall discharge into or be connected with any privy vault, nor shall a privy vault, cesspool, or manure pit be directly or indirectly connected with any sewer. No drainage from any stable or other building shall discharge into a manure pit. Every manure pit shall be kept dry and shall be made water-tight.

SEC. 4. No vault or cesspool shall be emptied by any other than the odorless process, nor by carts not of the Odorless Excavating Co., except permission be first obtained from the board of health. It is further ordered that neither night soil nor the contents of cesspools shall be dumped within the limits of the town.

[Ordinance, board of health, adopted Nov. 6, 1911.]

### CUMBERLAND, MD.

#### NUISANCES—ABATEMENT OF.

*Be it ordered by the mayor and city council of Cumberland, That the health officer of the city of Cumberland, after due notice to the owner, to be served personally or upon the occupant of the premises or by posting upon the property, shall have the power to abate any nuisance which he may find existing upon such property and to employ any person or persons as may be necessary to carry into effect the provisions of this order.*

[Ordinance No. 2509, adopted Aug. 7, 1911.]

### FREEPORT, ILL.

#### BAKERIES, RESTAURANTS, KITCHENS, CANDY KITCHENS, HOTEL KITCHENS—LOCATION, CONSTRUCTION, MAINTENANCE.

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 word "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 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 Freeport.

Sec. 3. Any person desiring to maintain and operate a bakery, kitchen, candy kitchen, restaurant, or confectionery in the city of Freeport shall first make written application therefor to the health officer of said city, setting forth the name of such persons, and the location thereof, by street and number. The health officer 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 health officer 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 1st day of April 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 health officer.

It shall be unlawful to maintain or operate any restaurant or kitchen, or any part thereof, in any basement or cellar the floor or which is more than 12 feet below the existing surface grade of the street or alley in which such basement or cellar faces.

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 health officer 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 health officer 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 health officer shall issue a notice to the person maintaining or operating said premises, requiring him within not more than 30 days from and after the 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 health officer, 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 health officer 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 Freeport; 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 health officer; 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 directly communicated 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 times 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. It shall be unlawful for any person afflicted with any contagious or infectious disease, such as typhoid, diphtheria, smallpox, or membranous croup, scarlet fever, measles, German measles, whooping cough, mumps, chicken pox, cerebrospinal meningitis, 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 health officer 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 health officer of the city of Freeport, certifying that such person has been examined by the health officer 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 health officer 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 health officer or his duly authorized assistants, and if at any time any infectious or contagious disease, rash, or skin trouble shall appear, the health officer 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 health officer 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 health officer 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 health officer, 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 jars, or protected from dust and dirt in such manner as shall be approved by the health officer.

SEC. 16. Any person convicted of violating any of the provisions of this ordinance shall be fined not less than one dollar (\$1.00) nor more than one hundred dollars (\$100.00).

[Ordinance adopted Feb. 5, 1912.]

#### HOTELS, RESTAURANTS, AND BOARDING HOUSES—LICENSING OF.

SECTION 1. Any person, firm, or corporation desiring to conduct or operate as a hotel, restaurant, café, boarding house, inn, tavern, or public eating house or place, any building or any part of any building or any place in the city of Freeport, shall file with the city clerk of said city a written application for such license, giving in such application the full name and address of the proprietor of the proposed hotel, restaurant, café, boarding house, inn, tavern, or public eating house or place, the name of the owner of the premises and the location of the building or buildings or portion thereof or place intended to be used as a hotel, restaurant, café, boarding house, inn, tavern, or public eating house or place in said city. Upon the filing of any such application for a license, the health officer of said city shall examine or cause to be examined the sanitary conditions of the place proposed to be licensed and shall present such application to the city council, together with a statement of the sanitary conditions of the place proposed to be licensed, with his approval or disapproval of the same. Said health officer shall keep a permanent record of such inspection. Such license shall be issued to the applicant by the city clerk when authorized and directed by the city council so to do, upon the presentation by the applicant to the city clerk of a receipt from the city treasurer showing payment into the city treasury of the license fee required for such license. The license fee for such license is hereby fixed and established at \$3 per annum for each hotel, restaurant, café, boarding house, inn, tavern, or public eating house or place in the city of Freeport. All licenses issued under this ordinance shall be in force for one year after the issuance of same, unless sooner revoked. Each licensee under this ordinance shall keep his license conspicuously posted in the place of business specified in his license.

SEC. 2. Any person, firm, or corporation conducting or operating any hotel, restaurant, café, boarding house, inn, tavern, or public eating house or place within said city without having a license as aforesaid or in violation of any of the terms of this ordinance shall be subject to a fine of not less than \$5 nor more than \$50 for each offense, and each 24 hours that such violation continues shall constitute a separate offense hereunder.

[Ordinance adopted Feb. 5, 1912.]

#### HOLLAND, MICH.

##### PREMISES—SANITARY MAINTENANCE OF.

RULE 26. It shall be the duty of the owner or owners of any building, lot, or premises within the city of Holland, whether occupied by himself or by a tenant, to keep or cause such building, lot, or premises to be kept in a sanitary and healthful condition and in accordance with these regulations.

RULE 27. If any building, lot, or premises within the city is not kept in a sanitary and healthful condition and in accordance with these regulations, the health officer, or city inspector, or any policeman or constable of the city, upon the order of the board of health, shall serve a notice upon the owner, agent, or occupant of said premises



requiring said premises to be put into a sanitary and healthful condition and in accordance with these regulations within a reasonable time, to be stated in said notice. If said owner, or agent, or occupant shall fail to comply with the requirements of said notice within said time, it shall be the duty of the city inspector to cause said work to be done and the expense thereof will be charged to such owner or assessed upon the premises.

**RULE 28.** No person shall remove or deface any card or sign from any building or premises, or from any can, package, or article which may have been placed there by order of the board of health or the health officer.

[Regulations, board of health, adopted Oct. 2, 1911.]

#### ORANGE, N. J.

##### MARRIAGES AND BIRTHS—CERTIFICATES OF, TO BE MADE.

Section 82 of the ordinance to which this ordinance is a supplement is hereby amended to read as follows:

"82. The secretary of the board of health for the time being shall be ex officio registrar of vital statistics for the city of Orange, and such secretary is hereby designated, appointed, and constituted registrar of vital statistics as aforesaid and shall have all the powers and perform all the duties required of a registrar of vital statistics by the laws of this State or the ordinances of this board and such as have heretofore been vested in and imposed upon the city clerk of the city of Orange; and every person having authority to solemnize marriages shall transmit to such registrar of vital statistics a certificate of every marriage solemnized before him within five days next thereafter, and said certificate shall be made out on blank forms furnished by said registrar for that purpose, and shall include all facts required by said forms. Any person or persons failing to comply with or violating any of the provisions of this section shall forfeit and pay a penalty of \$10."

Section 83 of the ordinance to which this ordinance is a supplement is hereby amended to read as follows:

"83. That the physician or midwife present at the birth of every child born in this city, and in case there is no physician or midwife present, the parent or witness present at said birth, shall report in writing to the registrar of vital statistics of this city all particulars concerning said birth called for on the blank forms furnished by him for that purpose, and said report shall be made within five days next after the date of said birth. Any person or persons failing to comply with, violating, or offending against any of the provisions of this section shall forfeit and pay a penalty of \$10."

[Ordinance, board of health, adopted Oct. 2, 1911, as a supplement to the sanitary and plumbing code adopted Dec. 1, 1900.]

#### WILMINGTON, N. C.

##### STABLES FOR HORSES—CONSTRUCTION, MAINTENANCE, AND CARE OF MANURE.

**SECTION 1.** That on and after the 15th day of July, 1911, it shall be unlawful for any person, firm, or corporation to have, keep, or maintain any horse stable in the corporate limits of the city, except that the same shall be provided with a water-tight wood, brick, or cement floor properly drained, which shall be cleaned daily. Each stable shall be provided with a fly-proof covered bin, tongue and groove flooring, or other solid material to be used for both bin and cover, in which the manure and litter shall be placed daily. Said bin to be emptied and contents removed from city limits twice each month.

**SEC. 2.** Any person, firm, or corporation violating section 1 of this ordinance, shall be fined \$5 for each and every offense.

[Ordinance effective Dec. 7, 1911.]

### CEREBROSPINAL MENINGITIS.

CASES AND DEATHS REPORTED BY CITY HEALTH AUTHORITIES FOR THE WEEK ENDED MAR. 30, 1912.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Baltimore, Md.		1	Milwaukee, Wis.	4	5
Bridgeport, Conn.	1		Norristown, Pa.	1	
Cincinnati, Ohio	5	1	Nashville, Tenn.	4	2
Columbus, Ohio		1	New Bedford, Mass.	3	2
Denver, Colo.	1	1	New Orleans, La.	1	
El Paso, Tex.	4		New York, N. Y.	15	5
Fort Wayne, Ind.	1		Oakland, Cal.		2
Hartford, Conn.		1	Omaha, Nebr.		1
Haverhill, Mass.	2		Saginaw, Mich.	17	
Jacksonville, Fla.	1	1	St. Louis, Mo.	2	2
Kansas City, Kans.	21		San Antonio, Tex.	12	6
Kansas City, Mo.	17	15	San Francisco, Cal.		1
Lexington, Ky.	1		Seattle, Wash.	1	

### ERYSIPELAS.

CASES AND DEATHS REPORTED BY CITY HEALTH AUTHORITIES FOR THE WEEK ENDED MAR. 30, 1912.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Baltimore, Md.		2	Milwaukee, Wis.	5	
Binghamton, N. Y.	1		Newark, N. J.		1
Boston, Mass.		2	New Orleans, La.		2
Cincinnati, Ohio	5		New York, N. Y.	37	10
Cleveland, Ohio.	5	1	Philadelphia, Pa.	12	3
Denver, Colo.	2		Plainfield, N. J.	25	
Jacksonville, Fla.	1		Reading, Pa.	1	
Kalamazoo, Mich.	3		St. Louis, Mo.	14	
Kansas City, Mo.	3		San Francisco, Cal.	1	
Kearny, N. J.	1		South Bethlehem, Pa.	2	
Lancaster, Pa.	1		West Hoboken, N. J.	1	
Lebanon, Pa.	1		Wheeling, W. Va.	1	
Los Angeles, Cal.	5		Wilkes-Barre, Pa.	1	

### PLAGUE-PREVENTION WORK.

#### DISTRIBUTION OF POISON.

In connection with the making and maintenance of a squirrel-free zone around the cities of California on San Francisco Bay, 1,015 acres of land in Alameda County were covered with poison during the week ended March 30, 1912.

During the same period 3,740 acres of land in San Joaquin County were covered with poison for the purpose of eradicating plague foci.

## 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.
<b>California:</b>				
<b>Cities—</b>				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Aug. 9, 1911.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 27, 1907.....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
<b>Counties—</b>				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.	Oct. 9, 1911.....	114 squirrels and 1 wood rat.
Contra Costa.....	July 21, 1911.....	None.....	Sept. 23, 1911.....	364 squirrels.
Fresno.....	None.....	do.....	Oct. 27, 1911.....	1 squirrel.
Merced.....	do.....	do.....	July 13, 1911.....	5 squirrels.
Monterey.....	do.....	do.....	Aug. 6, 1911.....	5 squirrels.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911.....	22 squirrels.
San Joaquin.....	Sept. 18, 1911.....	do.....	Aug. 26, 1911.....	18 squirrels.
San Luis Obispo.....	None.....	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.....	June 2, 1911.....	13 squirrels.
<b>Washington:</b>				
<b>City—</b>				
Seattle.....	Oct. 30, 1907.....	Sept. 21, 1911....	None.....	25 rats.

## RATS COLLECTED AND EXAMINED FOR PLAGUE INFECTION.

Places.	Week ended—	Total collected.	Found dead.	Examined.	Found infected.
<b>California:</b>					
<b>Cities—</b>					
Berkeley.....	Mar. 30, 1912	1 156	1	104	.....
Oakland.....	do.....	2 799	20	629	.....
San Francisco.....	do.....	3 1,704	2	1,250	.....
<b>Washington:</b>					
<b>City—</b>					
Seattle.....	do.....	1,084	.....	1,016	.....

<sup>1</sup> Identified: *Mus norvegicus* 105, *Mus musculus* 51.

<sup>2</sup> Identified: *Mus norvegicus* 647, *Mus musculus* 150, *Mus rattus* 2.

<sup>3</sup> Identified: *Mus norvegicus* 774, *Mus rattus* 245, *Mus musculus* 447, *Mus alexandrinus* 238.

## SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE INFECTION.

During the week ended March 30, 1912, 374 ground squirrels from Alameda County were examined for plague infection. No plague-infected squirrel was found.

PNEUMONIA.

CASES AND DEATHS REPORTED BY CITY HEALTH AUTHORITIES FOR THE WEEK ENDED MAR. 30, 1912.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Altoona, Pa.		4	Marinette, Wis.		1
Auburn, N. Y.	2	1	Marlboro, Mass.		1
Aurora, Ill.		6	Medford, Mass.		2
Baltimore, Md.		27	Moline, Ill.		1
Beaver Falls, Pa.	1		Montclair, N. J.		5
Bennington, Vt.	2	1	Montgomery, Ala.		2
Binghamton, N. Y.		1	Newark, N. J.		10
Boston, Mass.		48	New Bedford, Mass.		7
Braddock, Pa.	2	3	New Castle, Pa.	1	
Bridgeport, Conn.		3	New Orleans, La.		4
Cambridge, Mass.		4	Newton, Mass.		1
Chelsea, Mass.		3	New York, N. Y.		151
Chicopee, Mass.		1	Norristown, Pa.	4	2
Cincinnati, Ohio.		18	North Adams, Mass.		1
Cleveland, Ohio.	39	26	Oakland, Cal.		3
Clinton, Mass.		1	Omaha, Neb.		10
Cumberland, Md.		1	Passaic, N. J.		2
Danville, Ill.		5	Pawtucket, R. I.		3
Dayton, Ohio.		3	Philadelphia, Pa.	32	47
Denver, Colo.		12	Pittsfield, Mass.		1
Duluth, Minn.	2	2	Plainfield, N. J.		1
East Orange, N. J.		1	Pottstown, Pa.		3
El Paso, Tex.	6	6	Providence, R. I.		5
Evansville, Ind.		5	Reading, Pa.	5	1
Everett, Mass.	2	2	Richmond, Va.		12
Fall River, Mass.		5	Roanoke, Va.		2
Fort Wayne, Ind.		5	Saginaw, Mich.		1
Grand Rapids, Mich.	5		San Antonio, Tex.		4
Harrisburg, Pa.	3		San Francisco, Cal.	8	
Hartford, Conn.		6	Schenectady, N. Y.	8	3
Kalamazoo, Mich.	2	2	Seattle, Wash.		1
Kansas City, Mo.	25	10	South Bend, Ind.		1
Knoxville, Tenn.		2	South Bethlehem, Pa.	3	2
La Crosse, Wis.		2	South Omaha, Neb.	3	3
Lancaster, Pa.	5		Springfield, Mass.		8
Lawrence, Mass.		5	Superior, Wis.		3
Lebanon, Pa.	2		Taunton, Mass.		1
Lexington, Ky.		1	Toledo, Ohio.		7
Lima, Ohio.		2	Waltham, Mass.	2	
Logansport, Ind.		2	Wheeling, W. Va.		5
Los Angeles, Cal.	2	10	Wilkes-Barre, Pa.	1	1
Lowell, Mass.		4	Wilmington, Pa.	1	2
Lynchburg, Va.		2	Wilmington, Del.		6
Lynn, Mass.		3	Wilmington, N. C.	3	2
Malden, Mass.		3	Yonkers, N. Y.		1
Manchester, N. H.	5	5	Zanesville, Ohio.		2

POLIOMYELITIS.

During the week ended March 30, 1912, poliomyelitis was reported by city health authorities, as follows: Boston, Mass., 2 cases; Los Angeles, Cal., 1 death; Nashville, Tenn., 2 deaths; New York, N. Y., 5 cases, 1 death.

TETANUS.

During the week ended March 30, 1912, 1 case of tetanus with 1 death was reported in Philadelphia, Pa., and in Cumberland, Md., 2 deaths were reported.

## SMALLPOX IN THE UNITED STATES.

In the following table 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 to the State authorities.

## REPORTS RECEIVED DURING WEEK ENDED APR. 12, 1912.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Connecticut:</b>				
Counties—				
New Haven.....	Mar. 1-31.....	41		
Tolland.....	do.....	1		
Windham.....	do.....	26		
Total for State.....		68		
<b>Florida:</b>				
Counties—				
Alachua.....	Mar. 17-23.....	3		
Duval.....	Mar. 17-30.....	13		
Escambia.....	Mar. 17-23.....	3		
Hillsboro.....	do.....	4		
Putnam.....	Mar. 17-30.....	14		
Total for State.....		37		
<b>Iowa:</b>				
Counties—				
Appanoose.....	Mar. 1-31.....	25		
Audubon.....	do.....	1		
Blackhawk.....	do.....	1		
Carroll.....	do.....	8		
Harrison.....	do.....	2		
Humboldt.....	do.....	1		
Lee.....	do.....	1		
Linn.....	do.....	1		
Muscatine.....	do.....	1		
Pottawattamie.....	do.....	4		
Poweshiek.....	do.....	1		
Sac.....	do.....	1		
Woodbury.....	do.....	2		
Total for State.....		49		
<b>*Louisiana:</b>				
New Orleans.....	Apr. 1-6.....	19		
<b>Mississippi:</b>				
Counties—				
Attala.....	Mar. 1-31.....	50		
Chickasaw.....	do.....	1		
Clarke.....	do.....	5		
George.....	do.....	10		
Greene.....	do.....	11		
Harrison.....	do.....	38		
Jackson.....	do.....	1		
Jefferson Davis.....	do.....	6		
Lamar.....	do.....	5		
Lauderdale.....	do.....	58	1	
Newton.....	do.....	6		
Panola.....	do.....	1		
Pike.....	do.....	5		
Pontotoc.....	do.....	1		
Union.....	do.....	3		
Wayne.....	do.....	10		
Winston.....	do.....	20		
Yalobusha.....	do.....	10	1	
Total for State.....		241	2	
<b>*Nebraska:</b>				
Omaha.....	Apr. 1-6.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received during Week ended Apr. 12, 1912.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>North Dakota:</b>				
Counties—				
Benson.....	Mar. 1-31.....	6.....		
Cass.....	do.....	13.....		
Grand Forks.....	do.....	1.....		
Lamoure.....	do.....	4.....		
McHenry.....	do.....	10.....		
Stutsman.....	do.....	2.....		
Total for State.....		36.....		
<b>Ohio:</b>				
Counties—				
Athens.....	Mar. 1-31.....	32.....		
Clark.....	do.....	1.....		
Columbiana.....	do.....	1.....		
Crawford.....	do.....	6.....		
Cuyahoga.....	do.....	1.....		
Defiance.....	do.....	1.....		
Green.....	do.....	3.....		
Hamilton.....	do.....	5.....		
Hocking.....	do.....	1.....		
Huron.....	do.....	1.....		
Lucas.....	do.....	1.....		
Madison.....	do.....	14.....		
Montgomery.....	do.....	18.....		
Portage.....	do.....	1.....		
Tuscarawas.....	do.....	1.....	1.....	
Total for State.....		87.....	1.....	
<b>*Tennessee:</b>				
County—				
Shelby.....	Mar. 1-31.....	4.....		
<b>Vermont:</b>				
Counties—				
Caledonia.....	do.....	8.....		
Franklin.....	do.....	5.....		
Lamoille.....	do.....	8.....		
Washington.....	do.....	2.....		
Total for State.....		23.....		
<b>Virginia:</b>				
Counties—				
Dickenson.....	Mar. 1-31.....	3.....		
Henrico.....	do.....	7.....		
Mecklenburg.....	do.....	5.....		
Nansemond.....	do.....	7.....		
Norfolk.....	do.....	44.....		
Roanoke.....	do.....	1.....		
Russell.....	do.....	9.....		
Scott.....	do.....	5.....		
Southampton.....	do.....	7.....		
Total for State.....		88.....		
<b>Wisconsin:</b>				
Counties—				
Buffalo.....	Mar. 1-31.....	1.....		
Clark.....	do.....	2.....		
Columbia.....	do.....	1.....		
Douglas.....	do.....	4.....		
Dunn.....	do.....	9.....		
Green Lake.....	do.....	7.....		
Jackson.....	do.....	3.....		
Monroe.....	do.....	7.....		
Portage.....	do.....	4.....		
Rock.....	do.....	1.....		
Trempealeau.....	do.....	2.....		
Waupaca.....	do.....	7.....		
Wood.....	do.....	1.....		
Total for State.....		43.....		
Grand total for the United States.....		696.....	3.....	

## MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES,  
FOR WEEK ENDED MAR. 30, 1912.

Cities.	Popula- tion United States Census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tubercu- losis.		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	225	18	8	26	1	46	29	4	4	29	4	4	4
Boston, Mass.	670,585	287	29	4	175	26	72	23	7	7	23	7	7	7
Cleveland, Ohio.	560,663	189	16	59	40	2	34	17	3	3	17	3	3	3
New York, N. Y.	4,766,883	1,617	292	25	1,921	20	512	23	553	219	21	7	7	7
Philadelphia, Pa.	1,549,008	487	46	8	35	65	1	75	63	16	4	4	4	4
St. Louis, Mo.	687,029	238	19	5	44	25	2	46	23	2	2	2	2	2
<i>Cities having from 300,000 to 500,000 inhabitants.</i>														
Buffalo, N. Y.	423,715	107	2	35	18	1	15	4	2	2	4	2	2	2
Cincinnati, Ohio.	364,463	130	4	15	27	2	37	22	6	6	22	6	6	6
Detroit, Mich.	465,766	169	16	3	32	3	3	2	2	2	3	2	2	2
Los Angeles, Cal.	319,198	119	12	3	11	3	21	20	2	2	20	2	2	2
Milwaukee, Wis.	373,857	116	11	110	5	32	14	6	8	8	6	8	3	3
Newark, N. J.	347,469	25	1	1	14	1	25	16	4	4	16	4	4	4
New Orleans, La.	339,075	114	9	4	4	14	25	25	4	4	25	4	4	4
San Francisco, Cal.	416,912	150	2	135	1	1	25	16	4	4	16	4	4	4
<i>Cities having from 200,000 to 300,000 inhabitants.</i>														
Denver, Colo.	213,381	73	5	2	6	1	17	8	7	7	17	8	7	7
Jersey City, N. J.	267,779	43	4	4	13	1	4	7	3	3	7	3	3	3
Kansas City, Mo.	248,381	85	7	27	6	20	12	12	3	3	12	3	3	3
Providence, R. I.	224,326	50	7	11	3	3	8	11	7	7	11	7	7	7
Seattle, Wash.	237,194	50	7	11	3	3	8	11	7	7	11	7	7	7
<i>Cities having from 100,000 to 200,000 inhabitants.</i>														
Bridgeport, Conn.	102,054	32	1	1	3	3	3	3	3	3	3	3	3	3
Cambridge, Mass.	104,839	26	12	43	2	2	4	2	2	2	4	2	2	2
Columbus, Ohio.	181,548	63	10	36	1	9	2	5	2	2	5	2	2	2
Dayton, Ohio.	116,577	34	1	22	2	38	1	9	1	1	9	1	1	1
Fall River, Mass.	119,295	5	1	1	3	1	13	4	1	1	4	1	1	1
Grand Rapids, Mich.	112,571	37	1	4	4	1	1	5	10	10	5	10	1	1
Lowell, Mass.	106,294	45	1	23	1	6	4	7	7	7	4	7	7	7
Nashville, Tenn.	110,364	60	2	2	4	4	6	6	2	2	6	2	2	2
Oakland, Cal.	150,174	41	4	6	3	2	6	6	2	2	6	2	2	2
Omaha, Nebr.	124,096	41	2	1	1	1	3	3	3	3	3	3	3	3
Richmond, Va.	127,628	59	3	9	1	1	10	6	6	6	10	6	6	6
Spokane, Wash.	104,402	1	1	116	1	4	5	5	4	4	5	4	4	4
Toledo, Ohio.	168,497	69	4	31	1	5	5	4	1	1	5	4	1	1
Worcester, Mass.	145,986	62	8	11	7	7	9	5	2	2	9	5	2	2
<i>Cities having from 50,000 to 100,000 inhabitants.</i>														
Altoona, Pa.	52,127	18	9	7	2	7	3	1	1	1	3	1	1	1
Bayonne, N. J.	55,545	24	1	7	7	1	3	3	3	3	3	3	3	3
Brockton, Mass.	56,878	24	2	63	1	2	3	3	3	3	3	3	3	3
Camden, N. J.	94,538	2	2	7	7	7	24	2	2	2	24	2	2	2
Duluth, Minn.	78,466	18	1	5	5	5	2	1	1	1	2	1	1	1
Elizabeth, N. J.	73,409	21	1	1	1	5	4	2	2	2	4	2	2	2
Evansville, Ind.	69,647	18	2	1	1	1	3	4	4	4	3	4	4	4
Fort Wayne, Ind.	63,933	27	6	1	5	1	1	1	1	1	1	1	1	1
Harrisburg, Pa.	64,186	21	2	101	2	2	6	3	3	3	6	3	3	3
Hartford, Conn.	98,915	53	4	9	9	2	1	3	3	3	1	3	3	3
Hartford, Conn.	70,324	2	1	1	2	2	12	1	1	1	12	1	1	1
Hoboken, N. J.	57,699	1	1	11	1	5	1	1	1	1	1	1	1	1
Jacksonville, Fla.	55,482	19	2	1	1	1	1	2	2	2	1	2	2	2
Johnstown, Pa.	82,331	1	1	1	1	1	25	4	4	4	25	4	4	4
Kansas City, Kans.	85,892	39	2	1	1	1	1	7	1	1	1	7	1	1
Lawrence, Mass.	89,336	29	3	8	10	10	6	2	2	2	6	2	2	2
Lynn, Mass.	70,063	20	1	8	6	6	1	1	1	1	1	1	1	1
Manchester, N. H.	96,652	33	1	35	6	6	1	1	1	1	1	1	1	1
New Bedford, Mass.	64,205	14	2	22	2	2	1	4	4	4	1	4	4	4
Oklahoma City, Okla.	54,773	4	4	2	2	2	1	1	1	1	1	1	1	1
Passaic, N. J.	51,622	14	2	2	3	3	7	1	1	1	7	1	1	1
Pawtucket, R. I.	96,071	27	4	1	2	2	4	3	3	3	4	3	3	3
Reading, Pa.	50,510	6	8	8	2	2	4	3	3	3	4	3	3	3
Saginaw, Mich.	96,614	56	1	9	1	3	6	1	1	1	6	1	1	1
San Antonio, Tex.	96,614	56	1	9	1	3	6	1	1	1	6	1	1	1

MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended Mar. 30, 1912—Continued.

Cities.	Population United States Census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Small-pox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having from 50,000 to 100,000 inhabitants—Continued.</i>														
Schenectady, N. Y.	72,826	19			37		1				1	1		
South Bend, Ind.	53,684	13	2	1			4		2				2	
Springfield, Ill.	51,678	16	1				2					2	2	1
Springfield, Mass.	88,926	35	3	1	19		5				3	2		
Trenton, N. J.	96,815	43	1				2	2			10	4		
Wilkes-Barre, Pa.	67,105	20	1	1	2		2				2			
Wilmington, Del.	87,411	30		1								3		1
Yonkers, N. Y.	79,803	20	6		4		14				5	1		
<i>Cities having from 25,000 to 50,000 inhabitants.</i>														
Atlantic City, N. J.	46,150	11	1				1							
Auburn, N. Y.	34,668	6	2				2				1	1		
Aurora, Ill.	29,807	15	1				1					2		
Berkeley, Cal.	40,434	7			16				1			2	1	
Binghamton, N. Y.	48,443	20			10						2	4		
Brookline, Mass.	27,792	5	1		4						1			
Chattanooga, Tenn.	44,604						1		1					
Chelsea, Mass.	32,452	19			9						2	1		
Chicopee, Mass.	25,401	8	1		2		2							
Danville, Ill.	27,871	13			3							3		
East Orange, N. J.	34,371	7			3		1				1			
Elmira, N. Y.	37,176	10			5							1	5	
El Paso, Tex.	39,279	41	2				2		1	1				
Everett, Mass.	33,484	8	2		2									
Fitchburg, Mass.	17,823	12	1		1						1	2		
Haverhill, Mass.	14,115	17	2		4		2				2			
Kalamazoo, Mich.	39,437	15	2				9		3		2			
Knoxville, Tenn.	36,346	10			12							2		
La Crosse, Wis.	30,417	7	2	1			1							
Lancaster, Pa.	47,227	1			125						1			
Lexington, Ky.	35,039	13			3						5	1		
Lima, Ohio.	30,508	10										2	4	
Lynchburg, Va.	29,494	12			58		5				3	2		
Malden, Mass.	44,404	10			5						2			
Montgomery, Ala.	38,136	19			8						1	2		
Newcastle, Pa.	36,280		1										1	
Newport, Ky.	30,308	10					9				2	2		
Newton, Mass.	39,806	14			35		1				1	1		
Niagara Falls, N. Y.	30,445	7	2								1		3	1
Norristown, Pa.	27,875	12	1	1	22						3		2	
Orange, N. J.	29,630	11			5		4					1		
Pasadena, Cal.	30,291	16			1							3		
Pittsfield, Mass.	32,121	9			2		1				2			
Portsmouth, Va.	33,190	13	3		1				1					
Racine, Wis.	38,002	9	3	1			4							
Roanoke, Va.	34,874	10			20						10	2		
Salem, Mass.	43,697	11	1		1		2							
San Diego, Cal.	39,578	3			13		1		1		1	1	2	2
South Omaha, Nebr.	26,259	12											1	
Superior, Wis.	40,384	11	2											
Taunton, Mass.	34,259	23	1		2		1				3			
Waltham, Mass.	27,834				44						1	1	3	
West Hoboken, N. J.	35,403	12	1	1	3						1			
Wheeling, W. Va.	41,641	13	1	1	1		1						4	
Williamsport, Pa.	31,860	14			4		1						1	
Wilmington, N. C.	25,748	10			24				4			1	1	
York, Pa.	44,750		1				2				2			
Zanesville, Ohio.	28,026	8											2	
<i>Cities having less than 25,000 inhabitants.</i>														
Alameda, Cal.	23,833	10	1		3							1		
Ann Arbor, Mich.	14,817	5	1		1		2							
Beaver Falls, Pa.	12,191		1				1							
Bennington, Vt.		2												
Braddock, Pa.	17,759	6	2		1									
Cambridge, Ohio	11,327	4			1							1		
Camden, S. C.		2												
Carbondale, Pa.	17,040	9			6		2							



## MORBIDITY AND MORTALITY—Continued.

*Morbidity and mortality table, cities of the United States, for week ended Mar. 30, 1912—Continued.*

Cities.	Population United States Census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Smallpox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having less than 25,000 inhabitants—Continued.</i>														
Clinton, Mass.	13,075	4												
Coffeyville, Kans.	12,087		1								3	1		
Columbus, Ga.	20,554	11												
Columbus, Ind.		1							7					
Concord, N. H.	21,497	8			13									
Cumberland, Md.	21,839	12	2		19						2		1	
Dunkirk, N. Y.			4											
Galesburg, Ill.	20,089	3									1	1		
Harrison, N. J.	14,498	4					1				1			
Homestead, Pa.	18,710	8	2	1									1	
Kearny, N. J.	18,659	6	2		25		4							
La Fayette, Ind.	20,081	6			1								1	
Lebanon, Pa.	19,240						1							
Logansport, Ind.	19,050	9			1		3						1	17
Marinette, Wis.	14,610	4												1
Marlboro, Mass.	14,577	3											1	
Massilon, Ohio		2												
Medford, Mass.	23,156	9	3		23		3							
Melrose, Mass.	15,715	4			8						1	1	1	
Moline, Ill.	24,199	5											1	1
Montclair, N. J.	21,150	13			6		1	1					1	
Morristown, N. J.	12,507	3			19	1	1				2			
Nanticoke, Pa.	18,509	6												
Newburyport, Mass.	19,240	4									1	1		
North Adams, Mass.	22,012	7	1		5						1		1	
Northampton, Mass.	19,431	6	1		10		1				1	1	1	
Ottumwa, Iowa.	22,012	6											1	
Palmer, Mass.		5											2	
Palo Alto, Cal.		1												
Plainfield, N. J.	22,050	7			23		1				1	1		
Pottstown, Pa.		5			2		1					1		
Sandusky, Ohio.	19,989	10	1		15								1	
Saratoga Springs, N. Y.		3			1									
South Bethlehem, Pa.	19,973	8	5		6		2				1	1		
Stelton, Pa.	14,246	5	2		1		2				3	1		
Warren, Pa.	11,081	2					1							
Wilkesburg, Pa.	18,924	7			1		2				5	1		
Woburn, Mass.	15,308	3			13							1		

**STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES OF THE UNITED STATES (Untabulated).**

**FLORIDA.**—Reports received from the State board of health show as follows: Week ended March 23, 1912. Diphtheria present in 4 localities with 6 cases, malaria in 2 localities with 15 cases, smallpox in 5 counties with 21 cases, tuberculosis in 6 localities with 7 cases, typhoid fever in 9 localities with 13 cases.

Week ended March 30, 1912. Diphtheria present in 3 localities with 3 cases, malaria in 3 localities with 13 cases, smallpox in 3 counties with 16 cases, tuberculosis in 6 localities with 8 cases, typhoid fever in 3 localities with 6 cases.

**NEW JERSEY.**—Four weeks ended March 10, 1912. Population, 2,537,167. Total number of deaths from all causes 3,277, including diphtheria 38, measles 28, scarlet fever 12, tuberculosis 385, typhoid fever 24.

# FOREIGN AND INSULAR.

## AUSTRALIA.

State of Victoria—Vital Statistics, 1910 and 1911.

The following statement was received from the Government statist at Melbourne:

*Vital statistics of Victoria, 1910 and 1911.*

	1910	1911
Deaths.....	14,736	15,217
Deaths due to:		
Phthisis.....	1,078	1,108
Other tubercular diseases.....	229	246
Cancer.....	1,081	1,100
Typhoid fever.....	139	95
Diphtheria.....	112	237
Whooping cough.....	65	40
Scarlet fever.....	28	6
Measles.....	32	74

The population of Victoria in 1901 was 1,201,070.

## CHINA.

Hongkong—Plague—Smallpox—Quarantine against Port.

Surg. Brown reports March 4: During the week ended March 2, 8 cases of plague with 6 deaths and 83 cases of smallpox with 65 deaths were reported at Hongkong.

The Government of Burma declared quarantine against Hongkong as a plague-infected port March 1.

### Examination of Rats.

During the week ended March 2, 1,932 rats were examined for plague infection. No plague-infected rat was found.

## GREECE.

Cerebrospinal Meningitis.

During the week ended March 16, 22 cases of cerebrospinal meningitis were reported in 5 localities in Greece and during the week ended March 23, 106 cases in 25 localities.

## HAWAII.

Record of Plague Infection.

The last case of human plague at Honolulu occurred July 12, 1910.

The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

A case of human plague was reported at Kapulena, Hawaii, October 28, 1911.

At Hilo the last case of human plague occurred March 23, 1910. At Honokaa, 60 miles from Hilo, a fatal case occurred April 20, 1911, a fatal case February 9, 1912, and 2 fatal cases February 25, 1912.

The last plague-infected rats reported found at Honokaa were 49, found during the week ended March 2, 1912. At Hilo a plague-infected rat was found during the week ended June 10, 1911, and 2 plague-infected rats were reported found February 29, 1912.

#### Honolulu—Plague-Prevention Work.

Chief Quarantine Officer Ramus reports:

*Week ended Mar. 23, 1912.*

Total rats and mongoose taken.....	344
Rats trapped.....	332
Mongoose trapped.....	12
Rats examined bacteriologically.....	292
Classification of rats trapped:	
<i>Mus alexandrianus</i> .....	56
<i>Mus musculus</i> .....	66
<i>Mus norvegicus</i> .....	16
<i>Mus rattus</i> .....	194
Average number of traps set daily.....	1, 720

#### Mosquito-Eradication Measures at Honolulu.

The following statement of the work of mosquito destruction at Honolulu was received from Passed Asst. Surg. McCoy, who is detailed as sanitary adviser to the governor of the Territory of Hawaii:

*Mosquito-eradication measures conducted at Honolulu from March 11 to 16, 1912, both inclusive.*

Inspections of—	Total inspections.	Larvæ found in.	Ordered cleaned.	Oiled.	Drained.	Emptied.	Filled.	Ordered repaired.	Screened.	Stocked with mosquito fish.
Gutters, house.....	1, 517	32	74	4	6			18		
Gutters, street.....	361	20	30	51	1					
Standing water.....	403	46	7	88	8		10			4
Cesspools.....	913	40	1	37				19		
Privy vaults.....	1, 322	4	1	37				24		
Holes and low places.....	765	137	1	146	104		82			
Catch basins.....	460	25	15	97				4		
Leaky fixtures.....	33	1						15		
Plants, etc.....	39									
Swamps.....	147	13	3	8						2
Ponds.....	37	1								1
Troughs, tanks.....	185	3	4	2	8					
Tubs or other receptacles.....	862	73	6			241				
Tin cans, bottles.....	1, 943	165				1, 580				
Water barrels.....	512	54				103			16	6
Vacant houses.....	147									
Grease traps.....	238	1	18							

Number of wagonloads of tin cans collected.....	27
Number of legal notices to abate nuisances served.....	31
Number of nuisances abated.....	31
Gutters were removed or perforated on 36 buildings.	

*Mosquito-eradication measures conducted at Honolulu from Mar. 18 to 23, 1912, both inclusive.*

Inspections of—	Total inspections.	Larvæ found in.	Ordered cleaned.	Oiled.	Drained.	Emptied.	Removed.	Filled.	Ordered repaired.	Screened.	Stocked with mos- quito fish.
Gutters, house.....	1, 125	8	52				2		13		
Gutters, street.....	323	24		73							
Holes, low places, and standing water.....	1, 288	193	10	445	54			76			8
Cesspools.....	1, 048	50	5	56				33			
Privy vaults.....	1, 528	17		40					17		
Catch basins.....	474	33		89							
Leaky fixtures.....	80	3							46		
Water-holding plants.....	87	13					13				
Swamps.....	177	9	9								
Ponds.....	24										
Troughs and tanks.....	394	25		5		39					
Tubs or other receptacles.....	580	74	2			296					
Tin cans, bottles.....	1, 445	10				916					
Water barrels.....	1, 884	80	16							64	
Vacant houses.....	39										

Area of swamp land drained.....	acres..	3
Number of legal notices to abate nuisances served.....		37
Number of nuisances abated.....		37
Number of rice plantations inspected.....		15
Number of loads of tin cans collected.....		23

**INDIA.**

**Calcutta—Cholera and Plague.**

Acting Asst. Surg. Allan reports: During the week ended February 24, 86 deaths from cholera and 48 from plague were reported at Calcutta; in all Bengal, 3,546 cases of plague with 3,394 deaths; in all India, 17,288 cases of plague with 15,040 deaths.

**ITALY.**

**Examination of Emigrants.**

Passed Asst. Surg. Robinson at Naples reports: Vessels inspected at Naples, Messina, and Palermo week ended March 23:

**NAPLES.**

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 20	Cretic.....	Boston.....	1, 330	190	1, 680
22	Berlin.....	New York.....	1, 910	210	2, 350
22	Calabria.....	do.....	598	45	820
	Total.....		3, 838	445	4, 850

**MESSINA.**

Mar. 22	Saxonia.....	New York.....			
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**PALERMO.**

Mar. 18	Erodiade.....	New York.....			
18	Atlanta.....	do.....			
20	Laura.....	do.....			
23	Calabria.....	do.....	298	225	60
23	Auguste.....	New Orleans.....			
23	Alberta.....	New York.....			
23	Saxonia.....	do.....			
	Total.....		298	225	60

**MEXICO.****Typhus Fever.**

At Aguascalientes Consul Schmutz reports the occurrence of 3 deaths from typhus fever during the week ended March 31.

At Monterey the American consul general reports 1 death from typhus fever during the week ended March 31.

**PERU.****Callao—Plague—Rat Infection.**

Acting Asst. Surg. Castro-Gutierrez reports March 26: During the period from March 1 to 26, 12 cases of plague occurred at Callao. Dead rats are found on the streets and in houses.

**RUSSIA.****Typhus Fever.**

At Moscow Consul General Snodgrass reports the occurrence of 8 cases of typhus fever with 2 deaths during the two weeks ended March 2.

At Odessa Consul Grout reports 47 cases with 5 deaths for the week ended March 16, 1912.

At St. Petersburg Consul Conner reports 9 cases with 2 deaths for the week ended March 9.

**SOUTH AFRICA.****Durban—Plague—Rat Infection.**

The following information was received from the department of the interior at Pretoria: During the week ended March 2, 2 new cases of plague with 4 deaths occurred at Durban, and during the week ended March 9, one new case. The total number of cases reported to date is 14 with 10 deaths. Two new foci of rat infection were found February 26.

**WEST INDIES.****Trinidad—Plague at Port of Spain.**

The American consul reports, April 11, the occurrence of a third case of plague at Port of Spain, and April 13 a fourth case of plague.

**CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.****REPORTS RECEIVED DURING THE WEEK ENDED APR. 19, 1912.**

[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.....	Feb. 18-24.....	2	2	Presidency Feb. 1-29: Cases 4,856 deaths 3,054. <sup>1</sup>
Madras.....	Mar. 1-7.....	14	10	
Moulmine.....	Feb. 18-24.....	2	2	
Negapatam.....	do.....	2	2	
Pondicherry.....	Feb. 22-28.....	4	4	
Indo-China:				
Saigon.....	Feb. 13-Mar. 4....	33	31	
Turkey in Asia:				
Adana.....	Mar. 12-20.....	6	.....	18 cases in the province.
Aleppo.....	Mar. 3-9.....	5	3	

<sup>1</sup> Bulletin Quarantenaire d'Egypte, Mar. 21.

**CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.**  
**Reports Received during Week ended Apr. 19, 1912.**

**YELLOW FEVER.**

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos .....	Mar. 17-23.....		6	
<b>PLAGUE.</b>				
China:				
Hongkong.....	Feb. 25-Mar. 2.....	8	6	
India:				
Bombay.....	Mar. 3-9.....	41	46	
Karachi.....	do.....	80	60	
Indo-China:				
Saigon.....	Feb. 13-Mar. 4.....	6	3	
Java:				
Paseroean Residency.....	Feb. 18-Mar. 2.....	11	10	
Mauritius.....	Mar. 2-8.....	5	3	
Peru:				
Callao.....	Mar. 1-26.....	12		
South Africa:				
Durban.....	Feb. 24-Mar. 9.....	6	4	
West Indies:				
Trinidad— Port of Spain.....	Apr. 11-13.....	2		
At sea.....	Mar. 1-11.....	1	1	On s. s. Macedonia from Bombay to Aden.

**SMALLPOX.**

Arabia:				
Aden.....	Mar. 19-24.....	1	1	
Austria-Hungary:				
Galicia.....	Mar. 10-16.....	2		
Canada:				
Halifax.....	Mar. 24-Apr. 6.....	2		
Toronto.....	Mar. 24-30.....	1		
Winnipeg.....	Apr. 1-6.....	1		
China:				
Dalny.....	Mar. 3-9.....	6		
Hongkong.....	Feb. 25-Mar. 2.....	83	65	
Egypt:				
Cairo.....	Feb. 27-Mar. 4.....		1	
Germany.....	Mar. 17-23.....	17		
Great Britain:				
Liverpool.....	do.....	1		
France:				
Paris.....	Mar. 10-16.....	7	1	
India:				
Bombay.....	Mar. 3-9.....	73	46	
Madras.....	do.....	29	8	
Indo-China:				
Saigon.....	Feb. 26-Mar. 4.....	9	6	
Italy:				
Genoa.....	Mar. 1-15.....	12		
Naples.....	Mar. 19-25.....	3		
Palermo.....	Mar. 17-23.....	30	12	
Turin.....	Mar. 18-24.....	1		
Java:				
Batavia.....	Feb. 18-Mar. 2.....	8	1	
Mexico:				
Guadalajara.....	Apr. 1-6.....	1		
San Luis Potosi.....	Feb. 4-10.....	1		
Tampico.....	Mar. 20-30.....		1	
Russia:				
Moscow.....	Feb. 18-Mar. 9.....	17	3	
Odessa.....	Mar. 3-16.....	3		
St. Petersburg.....	do.....	37	7	
Warsaw.....	Dec. 10-Feb. 10.....	214	98	
Spain:				
Cadiz.....	Feb. 1-29.....		5	
Valencia.....	Mar. 4-23.....	41	1	
South Africa:				
Durban.....	Feb. 18-24.....	1		
Straits Settlements:				
Penang.....	Feb. 11-17.....	1		
Singapore.....	do.....	1	1	
Teneriffe:				
Santa Cruz.....	Mar. 10-16.....		2	
Turkey in Asia:				
Beirut.....	do.....	95	5	
Turkey in Europe:				
Constantinople.....	Mar. 11-24.....		33	

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

## REPORTS RECEIVED FROM DEC. 30, 1911, TO APR. 12, 1912:

[For reports received from July 1, 1911, to Dec. 29, 1911, see PUBLIC HEALTH REPORTS for Dec. 29, 1911. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Hodeida .....	Jan. 21 .....	2	1	
Ras-el-Ketib .....	Dec. 27-Jan. 1 .....			Total cases, 22; deaths, 12; mainly in the military hospital.
Austria-Hungary:				
Coastland—				
Capodistria .....	Dec. 14-24 .....	2	2	
Croatia and Slavonia .....				Total Oct. 22-Dec. 16: Cases, 36.
Sriem .....	Oct. 22-Dec. 16 .....	36		
Hungary .....				Total Nov. 19-Dec. 23: Cases, 37. Free Dec. 28.
Bacs-Bodog .....	Dec. 10-16 .....	9	5	
Jasz-Nagykun-Szolnok .....	Dec. 3-23 .....	11	7	
Torontal .....	Nov. 19-Dec. 16 .....	17	2	
Bahrein Island .....	Nov. 27-Dec. 30 .....		260	In the Persian Gulf.
Bulgaria:				
Burgas .....	Nov. 22-23 .....	2	2	
Varna .....	Nov. 6 .....	1		
China:				
Hongkong .....	Jan. 14-20 .....	1	1	
Dutch East Indies .....				Total Sept. 24-Dec. 26: Cases, 2,070; deaths, 1,508. Free Dec. 31.
Batavia .....	Nov. 12-Dec. 23 .....	21	8	
India:				
Bassein .....	Jan. 14-Feb. 17 .....	107	88	
Calcutta .....	Nov. 5-Feb. 24 .....		688	
Madras .....	Nov. 26-Mar. 2 .....	526	428	Madras Presidency, Nov. 1-Dec. 31: Cases, 10,436; deaths, 6,545. Jan. 1-31: Cases, 13,411; deaths, 8,509.
Negapatam .....	Jan. 14-Feb. 17 .....		77	
Rangoon .....	Oct. 1-Dec. 31 .....	62	52	
Indo-China:				
Saigon .....	Nov. 20-Feb. 12 .....	1,487	1,035	
Italy:				Total June 8-Dec. 31: Cases, 15,985; deaths, 6,022.
Provinces—				
Caltanissetta .....	Nov. 26-Dec. 31 .....	9	7	
Girgenti .....	do .....	105	57	
Messina .....	Nov. 26-Dec. 2 .....	3	2	
Syracuse .....	Nov. 26-Dec. 23 .....	15	9	
Malta .....	Nov. 19-Dec. 10 .....	6	6	Dec. 23 declared free from cholera.
Montenegro .....	Nov. 4-11 .....	9	5	
Persia:				
Adaban .....	Nov. 4 .....	1	1	
Kermanshah .....	Dec. 18-26 .....		37	
Philippine Islands:				
Province—				
Union .....	Oct. 29-Dec. 4 .....	5	5	
Roumania .....				Total Sept. 9-Dec. 13: Cases, 192; deaths, 42, including report, p. 2094, vol. 1. Free Dec. 19.
Districts—				
Braila .....	Sept. 11-Dec. 13 .....	84	11	Including cases previously reported.
Convolori .....	Oct. 31-Nov. 28 .....	21	1	
Dolju .....	Nov. 6-Dec. 13 .....	19	4	
Jalonitza .....	Oct. 31-Nov. 28 .....	4		
Konstanza .....	Oct. 30-Nov. 28 .....	8		
Prahova .....	Nov. 6-23 .....	1	1	
Talomita .....	do .....	2		
Tulcea .....	Nov. 24-Dec. 13 .....	15	1	
Servia .....				Total year 1911: Cases, 95; deaths, 51, including report, p. 2095, vol. 1. Declared free Dec. 31.
Belgrade district .....	Nov. 26-Dec. 16 .....	6	4	
Siam:				
Bangkok .....	Nov. 5-Jan. 27 .....		755	
Straits Settlements:				
Singapore .....	Nov. 5-Feb. 3 .....	4	4	
Tripoli:				
Tripoli .....	Oct. 13-Jan. 24 .....			Cases, 2,000; deaths; from 1,000 to 1,200.
Tunis Regency .....				Total Nov. 25-Jan. 4: Cases, 462; deaths, 323. No cases since Jan. 10.
Beja district .....	Nov. 25-Dec. 21 .....	71	20	
Bizerta district .....	Nov. 25-Dec. 5 .....	9	15	

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

**Reports Received from Dec. 30, 1911, to Apr. 12, 1912.**

**CHOLERA—Continued.**

Places.	Date.	Cases.	Deaths.	Remarks.
Turkey in Asia.....				Provinces in Asia and Europe, Apr. 16-Dec. 30, 1911: Deaths, 6,111, excluding Constantinople. Mainly among troops. Jan. 6-Feb. 27: Cases, 101; deaths, 126.
Acre.....	Jan. 21.....		33	In vicinity.
Adana.....	Dec. 2-Mar. 4.....	16	5	
Aleppo.....	Jan. 26-Mar. 2.....	31	19	
Amara.....	Oct. 15.....	1	1	
Basra.....	Oct. 22-28.....	14	10	
Erzeroum, vilayet.....	Sept. 11-16.....	50	28	
Erzeroum.....	do.....	11	8	
Kaifa.....	Dec. 8.....			Present.
Kerbelah.....	Oct. 20-28.....	10	10	
Kharput.....	Nov. 19-Dec. 30.....	47	47	
Jiddah.....	Dec. 2-24.....	323	310	
Mekka.....	Dec. 4-24.....	905	879	Sept. 1-Dec. 24: Cases, 1,648; deaths, 1,565.
Mersina.....	Dec. 1-7.....	2	1	
Osmania.....	Dec. 1-6.....	2	4	
Sinope.....	Dec. 7.....	2	1	
Tor.....	Dec. 14-26.....	29		
Trebizond and vicinity.....	Sept. 18-23.....	64	34	
Tripoli.....	Jan. 4.....			Present.
Turkey in Europe:				
Constantinople.....	Oct. 24-Feb. 3.....	8	2	
Durazzo.....	Dec. 7-13.....	2		
Janina.....	Jan. 14-22.....	17	8	
Loros.....	Jan. 22.....	12	7	
Saloniki, vilayet.....	Nov. 6-19.....	4	3	In Serres.

**YELLOW FEVER.**

Brazil:				
Bahia.....	Mar. 23.....			Present.
Ceara.....	Jan. 1-Feb. 29.....		5	
Manaos.....	Nov. 19-Mar. 16.....		43	
Para.....	Dec. 9-16.....	1	1	
Pernambuco.....	Jan. 1-Feb. 15.....		10	
Canal Zone:				
Culebra Island quarantine.....	Jan. 1-31.....	1		From a vessel from Guayaquil.
Chile:				
Tocopilla.....	Apr. 11.....	38	12	
Ecuador:				
Bucay.....	Nov. 16-Feb. 29.....	7	2	
Duran.....	Dec. 1-Feb. 29.....	13	6	
Guayaquil.....	Nov. 16-Feb. 29.....	118	54	
Huigra.....	Feb. 1-29.....			1 case.
Milagro.....	Feb. 1-29.....	16	7	
Naranjito.....	do.....	2	2	
Yaguachi.....	do.....			1 case.
Mexico:				
Espita.....	Dec. 31-Jan. 6.....	1		
Kambul, hacienda.....	Feb. 21-27.....		7	
Maxcanu.....	Dec. 31-Jan. 6.....	1		
Merida.....	Nov. 12-Mar. 23.....	20	9	Total Aug. 1-Mar. 23: Cases, 65; deaths, 29.
Puerto Mexico (Coatzacoalcos). Salina Cruz.....	Feb. 28..... Feb. 4-7.....		1	7 cases in the lazaretto from s. s. Ikalis from Guayaquil.
Temax.....	Dec. 31-Jan. 6.....	1		
Portuguese Guinea:				
Bolama.....	Dec. 19-25.....	1	1	In an engineer on a vessel.
Venezuela:				
Caracas.....	Nov. 16-Feb. 15.....	30	13	
Macuto.....	Mar. 16-19.....	1	1	
Maiquetia.....	Feb. 24-Mar. 9.....	3	1	A suburb of La Guaira.
Sabana Grande.....	Dec. 12.....			Epidemic.
West Indies:				
St. Vincent.....	Feb. 19.....	1		
At sea.....	Dec. 17-23.....	1	1	On a vessel en route from Manaos to Para.



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

Reports Received from Dec. 30, 1911, to Apr. 12, 1912.

## PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Philippeville.....	Oct. 19–Nov. 11....	8	2	Including 5 cases, p. 2096, Vol. XXVI.
Azores:				
Fayal.....	Jan. 10.....			Still present.
Terceira.....	do.....			Do.
Brazil:				
Bahia.....	Sept. 1–30.....		2	
Para.....	Dec. 24–Feb. 17....	18	12	
Pernambuco.....	Oct. 1–Feb. 15....		8	
Rio de Janeiro.....	Nov. 12–Feb. 10....	7	3	
British East Africa:				
Kismayu.....	Oct. 15–25.....	2		1 case pneumonic.
Chile:				
Iquique.....	Nov. 12–Mar. 27....	12	6	
Pisagua.....	Nov. 1–30.....	8		
China:				
Amoy.....	Jan. 13.....		1	
Hongkong.....	Dec. 9–Feb. 24....	30	26	
Dutch East Indies:				
Java.....				Total Mar. 1–Dec. 30: Cases, 1,817; deaths, 1,324.
Pasoeroean Residency, Malang District.	Nov. 12–Feb. 17....	93	51	
Soerabaya.....	Oct. 17–27.....	2		
Ecuador:				
Duran.....	Feb. 1–29.....	1		
Guayaquil.....	Nov. 16–Feb. 29....	124	52	Dec. 16–Jan. 31: Reports not available because of revolution. Total Jan. 1–Dec. 31, 1911: Cases, 1,656; deaths, 1,041, including cases previously reported.
Egypt.....				
Provinces—				
Assiout.....	Jan. 1–Mar. 15....	45	30	Sept. 11–16: Cases, 50; deaths, 28.
Assouan.....	Jan. 1–Mar. 17....	27	16	
Behera.....	Jan. 1–25.....	3	2	Sept. 11–16: Cases, 11; deaths, 8.
Beni Souef.....	Feb. 16–Mar. 14....	17	7	
Fayoum.....	Jan. 1–26.....	1		
Galioubeh.....	Jan. 1–Mar. 10....	4	3	Oct. 5–Dec. 26: Cases, 1.
Garbieh.....	Jan. 1–Mar. 4.....	15	6	
Girgeh.....	Feb. 28.....	1	1	
Kena.....	Jan. 1–Mar. 7.....	26	17	Nov. 20–Dec. 13: Cases, 3; deaths, 3.
Menouf.....	Feb. 2–Mar. 7.....	3	1	
Minieh.....	Jan. 1–Mar. 15....	13	3	Dec. 13: Cases, 1.
German East Africa:				
Dar-es-Salaam.....	Nov. 13–15.....	1	1	From the interior via Bergamogo.
Hawaii:				
Honakaa.....	Feb. 9–Mar. 18....	4	4	
India:				
Bombay.....	Nov. 19–Mar. 2.....	215	182	
Calcutta.....	Nov. 11–Feb. 17....		224	
Karachi.....	Nov. 26–Mar. 2.....	242	208	Total year 1911: Cases, 3,273; deaths, 3,046.
Madras.....	Jan. 1–6.....	1	1	
Rangoon.....	Oct. 1–Dec. 31....	50	50	
Bombay Presidency and Sind.....	Oct. 29–Feb. 24....	53,979	39,376	
Madras Presidency.....	do.....	9,171	7,166	
Bengal.....	do.....	22,567	18,954	
United Provinces.....	do.....	54,172	48,434	
Punjab.....	do.....	4,890	3,758	
Burma.....	do.....	1,042	939	
Eastern Bengal and Assam.	Jan. 1–Feb. 24.....	2	2	
Central Provinces.....	Oct. 29–Feb. 24....	18,383	14,620	
Coorg.....	do.....	88	52	
Mysore State.....	do.....	8,162	6,309	
Hyderabad State.....	do.....	23,295	21,218	
Central India.....	do.....	7,496	6,187	
Rajputana and Ajmere Merwara.....	do.....	950	772	
Kashmir.....	Feb. 3–23.....	38	19	
North West Province.....	Oct. 29–Feb. 24....	2	2	Total for India, Oct. 29–Feb. 24: Cases, 204,237; deaths, 167,808. Total year 1911: Cases, 828,535; deaths, 691,849.
Indo-China:				
Saigon.....	Nov. 13–Feb. 12....	27	2	
Mauritius.....	Nov. 3–Jan. 25....	59	31	

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

Reports Received from Dec. 30, 1911, to Apr. 12, 1912.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Persia:				
Buchir.....	Feb. 4-24.....	19	5	
Peru:				
Departments—				
Callao.....	Oct. 1-21.....	1		In November, 1 case; in January, 3 cases with 2 deaths.
Chiclayo.....	do.....	12	4	
Chosica.....	do.....	1	1	
Lambayeque.....	do.....	3		
Libertad.....	do.....	8		Mar. 13, 30 cases in the lazaretto at Trujillo.
Lima.....	do.....	13	6	
Philippine Islands:				
Cebu quarantine station.....	Dec. 4.....	1		On s. s. Montrose from Shanghai.
Russian Empire:				
Astrakhan, government.....	Sept. 21-Jan. 7....	201	180	Including 73 cases and 63 deaths reported on page 2098, Vol. I.
Siam:				
Bangkok.....	Nov. 4-Jan. 27....		3	
South Africa:				
Durban.....	Jan. 14-Mar. 9....	14	10	
Straits Settlements:				
Singapore.....	Nov. 5-Feb. 10....	26	23	
Turkey in Asia:				
Jiddah.....	Jan. 13-Feb. 2....	6	1	
Venezuela:				
Caracas.....	Mar. 12.....	1		
West Indies:				
Trinidad.....	Apr. 2.....	2		

## SMALLPOX.

Algeria:				
Algiers.....	Nov. 1-30.....		1	
Oran.....	Jan. 1-31.....	2	1	
Arabia:				
Aden.....	Nov. 28-Feb. 26...	16	7	And vicinity.
Argentina:				
Buenos Aires.....	Jan. 1-31.....		2	Oct. 1-31, 6 deaths. No deaths in Nov. or Dec., 1911.
Rosario.....	Oct. 1-Jan. 31.....		40	
Australia:				
Thursday Island.....	Jan. 2.....	1		From s. s. Taiyuan.
Austria-Hungary:				
Bohemia.....	Jan. 14-20.....	2		
Budapest.....	Jan. 4-10.....	25		
Galicia.....	Dec. 24-Mar. 2....	3	1	
Krain.....	Jan. 14-20.....	7		
Trieste.....	Dec. 3-9.....	1		From s. s. Baron Call from Beirut
Tyrol.....	Jan. 14-Mar. 9....	3		
Brazil:				
Bahia.....	July 1-31.....		1	
Pernambuco.....	Oct. 1-Feb. 15....		635	
Rio de Janeiro.....	Nov. 26-Feb. 24....	18	1	
Santos.....	Dec. 12-23.....		1	
Canada:				
British Columbia—				
Fernie.....	Feb. 26-Mar. 16...	5		
Nelson.....	Dec. 24-30.....	1		
Victoria.....	Feb. 4-10.....	1		
Manitoba—				
Winnipeg.....	Jan. 14-20.....	1		
Ontario—				
Kingston.....	Dec. 19-23.....	1		
Ottawa.....	Dec. 10-Mar. 23...	91		
Sarnia.....	Oct. 17-Mar. 23...	43		
Toronto.....	Jan. 6-Feb. 10....	2	1	
Windsor.....	Feb. 4-Mar. 16....	8		
Quebec—				
Montreal.....	Dec. 17-Mar. 16...	22		
Quebec.....	Dec. 10-Mar. 30...	262	2	
Ceylon:				
Colombo.....	Nov. 12-Feb. 10...	3		And vicinity.

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

Reports Received from Dec. 30, 1911, to Apr. 12, 1912.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Chile:</b>				
Iquique.....	Dec. 10-Jan. 20.....	3	1	
La Serena.....	Nov. 21-30.....	14		
Santiago.....	Nov. 1-30.....	685	343	
Talcahuano.....	Nov. 26-Dec. 23.....	14	3	
Valparaiso.....	Dec. 3-Mar. 9.....	68		Feb. 17—Decreasing.
<b>China:</b>				
Canton.....	Nov. 11-Dec. 30.....	40	6	
Chenghai.....	Jan. 29-Feb. 10.....			Present.
Chungking.....	Nov. 18-Feb. 24.....			Do.
Hankow.....	Jan. 21-Feb. 17.....	2	1	
Hongkong.....	Nov. 12-Feb. 24.....	420	306	
Kityang.....	Jan. 21-Feb. 3.....			Do.
Nanking.....	Dec. 10-Mar. 9.....			Do.
Shanghai.....	Dec. 11-Feb. 18.....	1	6	Deaths among natives.
Swatow.....	Mar. 2.....			Present.
<b>Cuba:</b>				
Habana.....	Dec. 19-Jan. 19.....	2		Case Dec. 19 from German s. s. Frankenwald, from Spain and Canary Islands; case Jan. 19 from s. s. Mexico.
<b>Egypt:</b>				
Cairo.....	Dec. 10-Feb. 11.....	4		
Port Said.....	Jan. 30-Feb. 4.....	1		
<b>France:</b>				
Havre.....	Mar. 10-16.....		4	
Marseille.....	Jan. 1-Feb. 29.....		4	Nov. 1-30, 1 death.
Paris.....	Dec. 3-Mar. 9.....	106	1	
<b>Germany:</b>				
Hamburg.....	Jan. 21-27.....	1		
Gibraltar.....	Feb. 27-Mar. 3.....	1		
<b>Great Britain:</b>				
Bristol.....	Jan. 29-Feb. 3.....	2		
London.....	Jan. 14-Feb. 24.....	6	1	
Southampton.....	Mar. 3-9.....	1		
West Hartlepool.....	Feb. 18-Mar. 9.....	2		
<b>India:</b>				
Bombay.....	Nov. 19-Mar. 2.....	393	177	
Calcutta.....	Nov. 19-Feb. 17.....		23	
Madras.....	Nov. 26-Mar. 2.....	113	50	
Rangoon.....	Oct. 1-Dec. 31.....	61	17	
<b>Indo-China:</b>				
Saigon.....	Nov. 13-Feb. 12.....	28	1	
<b>Italy:</b>				
Genoa.....	Dec. 1-Jan. 31.....	33	2	
Leghorn.....	Dec. 16-Mar. 16.....	95	1	
Messina.....	Nov. 19-Jan. 31.....		6	
Naples.....	Dec. 3-Mar. 9.....	88	1	
Palermo.....	Nov. 26-Mar. 16.....	2,569	873	
Turin.....	Jan. 15-Mar. 17.....	7		
<b>Japan:</b>				
Arima-Mura.....	Nov. 12-18.....	6	1	11 miles east from Kobe.
Kanagawa, ken.....	Dec. 17-23.....	1		
Kobe.....	Jan. 22-28.....	2	1	Jan. 20, 1 case from s. s. Suveric from Hongkong; Jan. 28, 1 case from Shingo Maru.
Nagasaki.....	Feb. 12-18.....	1		
Yokohama.....	Jan. 22.....	1		From s. s. Hydra from New York via Suez.
<b>Java:</b>				
Batavia.....	Nov. 12-Feb. 10.....	35	11	
<b>Malta:</b>				
Malta.....	Dec. 24-Jan. 6.....	2	1	
<b>Mexico:</b>				
Aguascalientes.....	Dec. 18-Mar. 3.....		7	
Chihuahua.....	Nov. 20-Feb. 11.....	92		
Coahuila, State.....	Oct. 1-30.....		16	
Guadalajara.....	Jan. 14-Mar. 9.....	5	2	
Juarez.....	Dec. 19-Mar. 9.....	14	5	
Magdalena.....	Dec. 23-Mar. 12.....	91	50	Mar. 12, 10 cases present.
Manzanillo.....	Feb. 18-24.....	1		
Mazatlan.....	Dec. 11-Mar. 19.....		11	Mar. 16, 25 cases in the lazaretto.
Mexico.....	Nov. 26-Feb. 17.....	135	67	
Monterey.....	Dec. 11-24.....		2	
Porfirio Diaz.....	Dec. 3-Mar. 23.....		35	
Salina Cruz.....	Feb. 11-Mar. 9.....	4	2	Mar. 23, present in vicinity.

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

Reports Received from Dec. 30, 1911, to Apr. 12, 1912.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Mexico—Continued.</b>				
San Antonio.....	Jan. 1-21.....	12	9	Present. Do.
San Carlos.....	do.....			
Sandoval.....	Dec. 16.....			
San Ignacio.....	Jan. 8.....	3		
Saric.....	Jan. 21-27.....		6	
Santa Ana.....	Jan. 8.....	4		
San Luis Potosi.....	Nov. 12-Dec. 30.....	3	1	
Tampico.....	Dec. 1-Mar. 1.....		14	
Tapachula.....	Nov. 1-Jan. 31.....		18	
<b>Portugal:</b>				
Lisbon.....	Dec. 9-Mar. 19.....	49		
<b>Russia:</b>				
Batum.....	Dec. 1-31.....	1		Oct. 1-Nov. 30; deaths, 2.
Libau.....	Dec. 17-23.....	1		
Moscow.....	Nov. 19-Feb. 10.....	30	10	
Odessa.....	Nov. 26-Feb. 24.....	21	1	
Reval.....	Nov. 1-30.....	1		
Riga.....	Dec. 24-Jan. 27.....	16		
St. Petersburg.....	Nov. 19-Feb. 3.....	122	22	
Warsaw.....	Nov. 5-Dec. 2.....		185	
<b>Siam:</b>				
Bangkok.....	Nov. 5-Jan. 27.....		1,326	
<b>Siberia:</b>				
Omsk.....	Jan. 1-31.....	7		
<b>South Africa:</b>				
Durban.....	Jan. 21-Feb. 10.....	3		
Johannesburg.....	Jan. 7-Feb. 10.....	36		
<b>Spain:</b>				
Barcelona.....	Feb. 6-12.....		1	
Cadiz.....	Nov. 1-Jan. 31.....		22	
Madrid.....	Dec. 1-Jan. 31.....		3	
Malaga.....	Nov. 1-30.....		45	
Seville.....	Dec. 1-Feb. 29.....		8	
Valencia.....	Dec. 3-Mar. 9.....	252	12	
<b>Straits Settlements:</b>				
Singapore.....	Nov. 19-Feb. 10.....	25	9	
<b>Switzerland:</b>				
Cantons—				
Oberwalden.....	Jan. 14-20.....	1		
Zurich.....	Dec. 3-23.....	6		
<b>Teneriffe:</b>				
Santa Cruz.....	Dec. 3-Mar. 9.....		46	
<b>Turkey in Asia:</b>				
Beirut.....	Dec. 3-Mar. 9.....	1,240	97	
<b>Turkey in Europe:</b>				
Constantinople.....	Dec. 4-Mar. 10.....		95	
<b>Uruguay:</b>				
Montevideo.....	Sept. 1-Dec. 31.....	25	4	
<b>Venezuela:</b>				
Caracas.....	Nov. 1-Jan. 15.....	11	2	
<b>Zanzibar:</b>				
Zanzibar.....	Oct. 28-Dec. 15.....	3	2	

## 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.		
Aden.....	Mar. 11	45,859	33	2	1			1								
Aleppo.....	Mar. 9	200,000		5	3											
Aguas Calientes.....	Mar. 31	40,000	54													
Amsterdam.....	Mar. 23	582,586	128	27				3				1	6			
Antwerp.....	Mar. 16	316,604	73	6								1	1	3		
Athens.....	Mar. 19	250,010	14								2	2				
Barcelona.....	Mar. 14	591,272	42							6		1	1			2
	to 23.															
Batavia.....	Feb. 24	217,630						1	1							
Beirut.....	Mar. 16	80,000	26	2				5								
Belfast.....	Mar. 25	385,492	141	29						1	1					4
Birmingham.....	Mar. 23	842,512	236								2					21
Bombay.....	Mar. 9	979,445	743	48	36								14			
Bradford.....	Mar. 23	289,618	91	7				46					1	3	1	
Bordeaux.....	do.....	283,000	87	15									4	1	1	
Brussels.....	Mar. 16	739,684	212	23						1	4	2				
Cairo.....	Mar. 4	689,439	458	21				1	4	3	1	5	1			
Catania.....	Mar. 22	207,000	100	4						2	2					
Christiana.....	Mar. 23	246,000	89	14												1
Christiansa.....	do.....	33,578	10	1							1	1	2			
Cienfuegos.....	do.....										4					
	Feb. 24		126	16												
Colombo.....	Mar. 2	227,026	141	22						13						
	Mar. 17		305	27				19		6	5	1	8			
Constantinople.....	Mar. 17	1,000,000	145	20								1	3			
Copenhagen.....	Mar. 9		145	20								1	1	1	3	
Dundee.....	Mar. 23	171,006	65	4								1	1	1	3	
Durban.....	Feb. 24	69,165	8													
Edinburgh.....	Mar. 16	321,200	82	9						1		2	4	2		
Ghent.....	do.....	166,235	67	8												
Hamburg.....	do.....	953,079	273	32							2	8	2	2	3	
Havre.....	Mar. 23	136,159	64	6												
Hongkong.....	Feb. 24	336,488			3			50		2						
Kharput.....	Mar. 9	21,000	2	1										1		
Karachi.....	do.....	148,000	153	60										28		
Kobe.....	Mar. 17	418,646	120							1		2				
La Guaira.....	Mar. 15	10,000	13	2						1						
Leeds.....	Mar. 23	445,568	123	9									1	1		
Liege.....	Mar. 16	167,557	47	5									3	1		
Liverpool.....	Mar. 23	752,055	220	22						1				3	4	
London.....	do.....	7,340,125	1,691							3	1	13	25	45		
Lubeck.....	Mar. 16	98,620	28	2						2		1				
Do.....	Mar. 23	100,900	25	2												1
	Feb. 11															
Lyon.....	Mar. 17	523,796	919	158						4	3	16	14	2		
Madras.....	Mar. 9	578,660	339			10		8		1			1			
Manchester.....	Mar. 23	631,533	255	21						1		1	21	12		
Monterey.....	Mar. 24	100,000	45	5							1					
Do.....	Mar. 31		56	6												
Montreal.....	Mar. 30	466,197	182	28				1		2	2	2		5		
Moscow.....	Feb. 24	1,500,000	773	109						1	4	20	14	16	7	
Do.....	Mar. 2		858	126				2	1	1		15	12	20	10	
Munich.....	Mar. 9	610,000	170	26								3	1	1	1	
Do.....	Mar. 16		161	26								1	1	1	2	
Nagoya.....	Feb. 24	422,848	187										7	2		
Do.....	Mar. 2		131							2						
Do.....	Mar. 9		124							1		1	1			
Newcastle-on-Tyne.....	do.....	269,193	98	13								2	1	1	1	
Do.....	Mar. 16		91	7									1			
Do.....	Mar. 23		62	9												
Nottingham.....	Mar. 16	260,000	92	5									9	3		
Do.....	Mar. 23		76										4			
Nuremberg.....	Mar. 2	344,797	115	15							2	1		10	2	
Odessa.....	Mar. 9	575,000	181	29						2	3	3	1	1		
Do.....	Mar. 16		155	19								1		1	1	
Para.....	Mar. 9	185,000	83	8				1								
Paris.....	Mar. 16	2,888,110	1,044	260				1		5	9	4	59	9		
Penang.....	Feb. 17	102,167	70	8						2						
Do.....	Feb. 24		33	13						1						
Porfirio Diaz.....	Mar. 23	16,000	8					2								
Port of Spain.....	Mar. 9	60,000	31	4							3					
Quebec.....	Mar. 30	78,200											1			



**MORTALITY—FOREIGN AND INSULAR COUNTRIES AND CITIES**  
(Un tabulated.)

**ARGENTINA—Rosario.**—Month of December, 1911. Population, 208,990. Total number of deaths from all causes 445, including diphtheria 2, smallpox 7, tuberculosis 47, typhoid fever 4.

Month of January, 1912. Total number of deaths from all causes 403, including diphtheria 3, smallpox 2, tuberculosis 39, typhoid fever 6.

**AUSTRALIA—New Castle.**—Month of January, 1912. Population 60,050. Total number of deaths from all causes 47, including tuberculosis 4, typhoid fever 1.

Month of February, 1912. Total number of deaths from all causes 35, including diphtheria 3, tuberculosis 5.

**BRAZIL—Ceara.**—Month of February, 1912. Population 60,000. Total number of deaths from all causes 176, including tuberculosis 15, typhoid fever 9, yellow fever 4.

**GERMANY—Strassburg.**—Month of February, 1912. Population 182,426. Total number of deaths from all causes 245, including diphtheria 3, scarlet fever 1, tuberculosis 37, typhoid fever 1.

**GREAT BRITAIN.**—Week ended March 23, 1912.

*England and Wales.*—The deaths registered in 77 great towns correspond to an annual rate of 14.6 per 1,000 of the population, which is estimated at 17,559,219.

*Ireland.*—The deaths registered in 21 principal town districts correspond to an annual rate of 24.7 per 1,000 of the population, which is estimated at 1,157,014. The lowest rate was recorded at Lisburn, viz, 8.6, and the highest at Kilkenny, viz, 44.6 per 1,000.

*Scotland.*—The deaths registered in 18 principal towns correspond to an annual rate of 15.4 per 1,000 of the population, which is estimated at 2,182,400. The lowest rate was recorded at Coatbridge, viz, 8.3, and the highest at Greenock, viz, 27.5 per 1,000. The total number of deaths from all causes was 643, including diphtheria 8, measles 47, scarlet fever 7, typhoid fever 4.

**GUAM.**—Month of January, 1912. Population, 9,000. Total number of deaths from all causes 8, including tuberculosis 7. Cases reported: Hookworm, 265.

**ITALY—Genoa.**—Two weeks ended March 15, 1912. Population, 272,077. Total number of deaths from all causes 125, including diphtheria 7, typhoid fever 3.

**MALTA.**—Two weeks ended March 23, 1912. Population, 213,395. Total number of deaths from all causes 153, including measles 4, tuberculosis 8.

**SOUTH AFRICA—Johannesburg.**—Two weeks ended February 24, 1912. Population 237,220. Total number of deaths from all causes 172, including tuberculosis 26, typhoid fever 8.

SPAIN—*Cadiz*.—Month of February, 1912. Population, 67,306. Total number of deaths from all causes 194, including smallpox 5, tuberculosis 16.

*Huelva*.—Month of February, 1912. Population, 28,982. Total number of deaths from all causes 102, including measles 13, tuberculosis 10.

TAHITI.—Four weeks ended March 18, 1912. Population, 4,000. Total number of deaths from all causes 6. No deaths from contagious diseases.

URUGUAY—*Montevideo*.—Month of January, 1912. Population, 321,224. Total number of deaths from all causes 538, including diphtheria 2, measles 1, tuberculosis 72, typhoid fever 12.

By authority of the Secretary of the Treasury:

RUPERT BLUE,  
*Surgeon General,*

*United States Public Health and Marine-Hospital Service.*

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