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UNITED STATES.

THE CHOLERA SITUATION.

The cholera situation remains practically unchanged. The disease continues to prevail undiminished in Italy. It is present at Marseille, France, and in Turkey in Europe and Asia. In Russia an increasing number of cases are being reported.

Surg. Eager, who has been at Palermo, has been directed to leave Acting Asst. Surg. Ignazio di Bartolo in charge at that port and proceed to Marseille, France, where he has been detailed by order of the President for duty in the office of the American consul in connection with the enforcement of the Quarantine Regulations of the Treasury Department.

Although the infected area in Europe has increased, no case of cholera has arrived at a port in the United States since the one reported at New York Quarantine August 18. Three cholera carriers were detected on arrival at New York Quarantine in August—one each on the 11th, 17th, and 18th. Since this last date none has been reported.

NEW YORK.

Passed Asst. Surg. von Ezdorf reports the arrival of the steamship *Duca D' Aosta* August 30 from Genoa and Naples; the steamship *Columbia* August 31 from Trieste, Patras, and Oran; the steamship *Sant Anna* August 31 from Marseille, Naples, and Palermo; and the steamship *Martha Washington* September 4 from Trieste, Patras, Palermo, and Algiers. Bacteriological examination of passengers and crews showed the absence of cases of cholera and of cholera carriers.

THE PRESENCE OF *LAMBLLIA DUODENALIS* IN MAN IN NORTH CAROLINA AND THE RECOGNITION OF AMEBÆ IN FECES SEVERAL DAYS OLD.

(By Ch. Wardell Stiles, Professor of Zoology, Hygienic Laboratory, United States Public Health and Marine-Hospital Service.)

The flagellate parasite known as *Lambllia duodenalis* or *Lambllia intestinalis* seems to be reported very rarely in American literature. This short note is simply intended to call attention to the fact that

it is by no means so rare in the United States as might be supposed. In microscopic examination of fecal material in eastern North Carolina this summer I have found *Lambliæ* in a number of instances. Exact records have not been kept, as in the present work high power magnification is used on only a portion of the specimens. *Lambliæ* has, however, been seen sufficiently frequently to justify the statement that in this particular locality the parasite is common.

While the importance of *Lambliæ* infection is not to be compared with that of *Entamæba histolytica*, it would be well to hold it in mind in cases of diarrhea of obscure origin. The infection may be recognized in the fresh stools by finding either the motile stage or an encysted stage.

As in the case of infection with *Entamæba coli*, a perfectly fresh stool is not necessary for diagnosis of *Lambliæ*, as anyone who becomes familiar with the encysted stages of these parasites can make the determination on a stool several days old with just as much certainty as he can upon one which is fresh and warm. In fact, for *E. coli* I not infrequently prefer to control determinations made on the fresh warm stool by keeping the feces for a few days and finding the encysted form in its various stages of development.

To become familiar with the various stages, it is sufficient to place in a Petri dish a fresh stool showing infection, to keep the material at room temperature, and to examine it day by day. This method will be found useful when the observer is in doubt as to whether he has *E. histolytica* or *E. coli* before him, and if generally adopted it would doubtless save many an error of mistaking *E. coli* for *E. histolytica*, hence of erroneously diagnosing amebic dysentery when in reality the infection is one of *E. coli*. Staining is not necessary in order to recognize the cyst.

When fresh stools are kept at room temperature for several days, motile amebæ may occasionally be found, but thus far I have not found motile amebæ in such old stools which I have felt justified in calling either *E. coli* or *E. histolytica*.

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

[Adopted since Jan. 1, 1910.]

CHELSEA, MASS.

CESSPOOLS AND VAULTS.

RULE 49. Every vault or cesspool shall be at least 2 feet distant from the line of every adjoining lot, street, lane, passageway, or public place; shall be water tight, and so suited and constructed as to exclude all surface drainage, and its contents shall never be within 18 inches of the surface of the ground and above the vault. And whenever any privy or vault shall become offensive, the same shall be cleaned; and in case the condition or construction of any vault or privy shall be different from the requirements of this section, the board of health may cause the same to be cleansed, repaired, amended, altered, or removed, and shall charge all the expenses incurred in so doing to the owner or party occupying the estate in which such privy or vault may be; provided, they shall first give such owner or party occupying, a legal notice, and allow the space of at least 48 hours for such owner or occupant to comply with such notice.

RULE 50. No person or persons shall hereafter construct a privy vault or cesspool within the limits of the city, on any lot or premises where there is a sewer in any street or alley adjoining such lot or premises.

RULE 51. No persons shall hereafter construct or establish a privy vault or cesspool without a permit from the board of health. Every application for such permit must be in writing, accompanied by a plan of the premises, showing the nearest adjacent houses, and all public or private ways or places on which the premises abut, and a statement of the number of families for whose use the same is intended.

RULE 52. Whenever the use of any privy vaults is discontinued, such vault shall be cleaned to the bottom and filled up with earth or other suitable material. In no case shall the contents of any privy vault be removed unless the same is properly disinfected before the work is commenced, and also during the progress of the cleaning, and after the completion of the cleaning, by such disinfectants as shall be approved by the board of health.

RULE 53. No privy vault or cesspool shall be emptied without the permission of the board of health, nor in any other mode nor at any other time than such as the board of health may direct; and whenever any privy vault or cesspool shall be cleansed, the entire contents shall be removed.

RULE 54. The licensee shall not open or work at vaults before 7 a. m. or between the hours of 11 a. m. and 1.30 p. m. or after 6 p. m.; he shall keep his tanks and barrels well painted, clean, air-tight and free from any leakage; he shall remove the contents of vaults outside the city limits, and avoid, as far as possible, traveling in the principal streets, when crowded.

RULE 55. No person shall engage in vault cleaning without a license, and any person holding such license shall forfeit the same by failing to comply fully with the foregoing terms and regulations, and such other rules as the board of health may hereafter adopt. [Regulation board of health, adopted May 10, 1910.]

STREET CARS.

RULE 56. Every closed street railway passenger car operated in Chelsea shall be properly ventilated while in operation and shall be properly aired at the end of each round trip. It shall also be cleaned at the end of each day's run and disinfected at least once each week in such manner as the board of health may direct or approve. [Regulation board of health, adopted May 10, 1910.]

OFFENSIVE TRADES.

RULE 57. No building which is used for a dwelling shall be used for the purpose of baling, sorting, drying, or storage of rags.

RULE 58. No person shall collect or remove from any dwelling house or other place in the city any grease or refuse, fatty matter, without first obtaining a permit so to do from the board of health and in all respects complying with the conditions of such permit. All such permits shall expire on the first day of May annually and may be revoked at any time by the board of health; and no person shall receive such a permit without first paying to the clerk of said board for the use of the city the sum of \$2. [Regulation board of health, adopted May 10, 1910.]

FOODSTUFFS—WRAPPING OF, MANUFACTURE, STORAGE.

RULE 59. The wrapping of meats, fish, breadstuffs, dairy products, vegetables, etc., destined for sale or delivery for food purposes, in newspapers or other unclean materials, is hereby prohibited.

RULE 60. No basement or cellar of any building occupied as a dwelling shall be used for the manufacture or storage of flour or meal products without special permission of the board of health. [Regulation board of health, adopted May 10, 1910.]

PLUMBING.

RULE 61. The plumbing in all houses, stores, factories, or other buildings must be, in all cases, in accordance with the plumbing ordinance now in force in the city.

RULE 62. No plumbing shall be used until the same has been tested and approved by the inspector of plumbing.

RULE 63. The inspector of plumbing must be notified when any work is ready for inspection and a certificate of inspection must be obtained of him by the plumber when the work is completed.

RULE 64. All saloons shall be provided with one or more urinals satisfactory to the board of health. Saloons, or other places where liquor is sold to women to be drunk on the premises, shall be provided with an independent water-closet for the use of women.

RULE 65. All public halls and railway waiting-rooms shall be provided with separate water-closets for men and women satisfactory to the board of health.

RULE 66. All rain-water leaders when connected with the house drain shall be so connected that there are no openings on which there are fixtures between such connection and house trap.

RULE 67. In buildings where the plumbing was done before these regulations were in force, if the work be altered, repaired, or added to, or connected with the public sewer, such change of the old work shall be made as the board of health shall deem necessary for the health of the occupants.

RULE 68. Connections between cast-iron drain and earthen drain shall be inspected and approved by the plumbing inspector before the same is covered.

RULE 69. Under all permits issued for plumbing the work shall be commenced within 90 days. [Regulation board of health, adopted May 10, 1910.]

BARBERS.

RULE 70. The owner of any barber shop shall equip said shop and keep said shop equipped with running hot and cold water, and with all such appliances, furnishing, and materials as may be necessary to enable persons employed in or about said shop to comply with the requirements of this regulation, and shall keep said shop and all furniture, tools, appliances, and other equipment used therein, at all times in a cleanly condition.

RULE 71. No owner and no manager of a barber shop shall knowingly permit any person suffering from a communicable skin disease or from a venereal disease to act as a barber in said shop.

RULE 72. No person who to his own knowledge is suffering a communicable disease or from a venereal disease shall act as a barber.

RULE 73. Every owner of a barber shop shall cause all combs, hairbrushes, hair dusters, and analogous articles to be washed thoroughly at frequent intervals and to be kept clean at all times, and shall cause all mugs, shaving brushes, razors, scissors, clippers, and tweezers to be sterilized by immersion in boiling water after every separate use thereof.

RULE 74. No barber shall use for the service of any customer a comb, hairbrush, hair duster, or any analogous article that is not thoroughly clean, nor any mug, shaving brush, razor, shears, scissors, clippers, or tweezers that are not thoroughly clean or that have not been sterilized since last used.

RULE 75. No barber shall use for the service of a customer any towel or wash cloth that has not been boiled and laundered since last used.

RULE 76. Every barber shall cleanse his hands thoroughly immediately before serving each customer.

RULE 77. No barber shall, to stop the flow of blood, use alum or other material, unless the same be used as a powder and applied on a clean towel.

RULE 78. No barber shall use a powder puff or sponge for or in the service of a customer. For shaving barbers shall use separate soap for each customer.

RULE 79. No barber shall permit any person to use the headrest of any barber's chair under his control, unless the headrest is covered with a towel that has been washed since last being used, or by a clean new paper.

RULE 80. No barber shall shave any person when the surface to be shaved is inflamed or broken out or contains pus, unless such person be provided with a cup and shaving brush for his individual use.

RULE 81. No person shall use a barber shop as a dormitory, nor shall any owner of a barber shop permit said shop to be so used.

RULE 82. The owner of any barber shop shall keep a copy of these regulations, to be furnished by the board of health, posted in said shop for the information and guidance of persons working or employed therein.

RULE 83. Any owner or barber violating any of the provisions of these regulations, shall, upon conviction thereof, be fined not more than \$25. [Regulation board of health, adopted May 10, 1910.]

STABLES.

RULE 84. The erection of all stables shall be begun within 90 days from date of license and prosecuted to completion in all their appointments with reasonable dispatch; otherwise the license shall be null and void.

RULE 85. No person shall use a stable without a license from the board of health, and only to the extent so licensed.

RULE 86. No person shall keep a cow, goat, swine, horse, or hen within the city limits without a license from the board of health. Such licenses may be revoked at any time, when such board considers it necessary for the public health or safety. All such licenses shall expire on the 1st day of May annually. A fee of 50 cents shall be paid to the board of health for each license and renewal.

RULE 87. All manure shall be kept in a proper and suitable pit or receptacle for the purpose. Such pit or receptacle shall be ventilated by a suitable shaft. The accumulation and storage of manure outside such pit or receptacle is prohibited.

RULE 88. No manure shall be removed or carried through any street unless it is loaded in such a manner as to prevent its being scattered or dropped while being carried away and securely covered with a canvas.

RULE 89. No person shall keep or allow to be kept in any building or on any premises, of which he may be the owner or occupant, any cow or other animal, unless such building or premises be kept clean and wholesome. All stables and cow barns shall be whitewashed, if so ordered by the board of health.

RULE 90. All new stables erected and all alterations and repairs made shall be according to these specifications:

1. Manure pits to be constructed of brick, laid in cement, with cement bottom, 6 inches thick and not to hold more than 2 cords. Same to be tightly covered and ventilated by a shaft 12 inches square, inside dimensions, carried 2 feet above the roof of main building.

2. Stall floors of 2-inch plank to be covered with two thicknesses of tar paper carried up 3 inches on sides. Same to be moped over with hot pitch tar and on this to be a tight board floor, to be covered with a wearing floor 2 inches thick.

3. Gutters behind stalls to be of wood, cement, or iron, with 3-inch outlet, to be connected with properly trapped drain to public sewer.

4. Sills shall be placed at least 18 inches above ground and in every case with suitable opening in foundation for ventilation under the floor.

5. Ventilation and lighting: Slat-work ventilation on roof at least 3 feet square. One thousand cubic feet air space for each animal. Such lighting as directed by the board of health inspector. [Regulation board of health, adopted May 10, 1910.]

DOMESTIC ANIMALS.

RULE 91. Contagious diseases or diseases dangerous to the public health among domestic animals shall include glanders, farcy, pleuropneumonia, tuberculosis, Texas fever, foot and mouth disease, rinderpest, hog cholera, and rabies.

RULE 92. Whoever may know of the existence of a contagious disease among cattle or other domestic animals, shall immediately give notice thereof to the board of health.

RULE 93. Any person owning or having the care or custody of any diseased animal, or animals suspected of being diseased, and having received an order from the inspector of animals, or the board of health for their isolation, shall neither, sell, trade, or in any way dispose of such animals, nor move or allow them to be removed from the place assigned for their retention, nor allow other animals not already exposed to come in contact with them, until permitted to do so by the chief of cattle bureau of the State board of agriculture or his authorized agent.

RULE 94. The passage from, to, or through the city, or from place to place within the city limits, of any cattle or other domestic animal known to be or suspected of being afflicted with contagious diseases, is strictly forbidden unless authorized by the board of health.

RULE 95. No person shall keep fowl, goats, or other animals which the board of health may deem improper, in any dwelling house or the basement thereof. [Regulation board of health, adopted May 10, 1910.]

MILK—PRODUCTION, CARE, AND SALE.

RULE 96. No person, firm, or corporation shall engage in the production, sale, delivery or distribution of milk in the city of Chelsea, 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.

RULE 97. Every person, firm, or corporation producing, keeping, or offering for sale milk in the city of Chelsea shall annually, before the first day of June, be licensed so to do by the milk inspector of said city.

RULE 98. No milk shall be produced, kept, sold, or offered for sale in the city of Chelsea from any cow or cows that are not properly cared for, 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.

RULE 99. No milk shall be produced, kept, sold, or offered for sale in the city of Chelsea 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.

RULE 100. 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.

RULE 101. The milk inspector shall—under the direction of this board—investigate and take samples, to determine the quantity 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 Chelsea, 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.

RULE 102. 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. The filling of bottles, except at the dairy or creamery, is prohibited.

RULE 103. 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.

RULE 104. No milk shall be brought into or carried within the city of Chelsea, 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.

RULE 105. 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 Chelsea, 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.

RULE 106. 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.

RULE 107. 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 previ-

ously 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.

RULE 108. 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 Chelsea 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 Chelsea.

RULE 109. 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 articles, 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 a sore throat, diarrhea, or is suffering from any other disturbance of the bowels, or has symptoms of infectious or contagious disease, shall engage in the handling of milk which is to be offered for sale or which is for sale.

RULE 110. 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.

RULE 111. No horse shall be kept in the room where cows are kept, unless separated from the cows, by means of a suitable partition, which shall be constructed to the satisfaction of the board of health.

RULE 112. No person shall expectorate or spit, except in receptacles provided for the purpose, in or upon any part of any room, vehicle, railroad car, or other place used for the sale, storage, handling, or transportation of milk.

RULE 113. No milk shall be brought into, held, delivered, or offered for sale in this city from cows within 15 days before or 5 days after parturition, nor from cows having an inflammatory disease of the udder.

RULE 114. 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.

RULE 115. Every person, firm, or corporation in the city of Chelsea 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. [Regulation board of health, adopted May 10, 1910.]

PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRRELS.

During the week ended August 19, 1911, the finding of 5 plague-infected ground squirrels was reported. The squirrels were found as follows: In Contra Costa County, Cal., August 5, at Mazone ranch, 3 miles east of Stege and one-half mile northeast of Sunset View Cemetery, on Wildcat Creek, 2 squirrels, and August 9, 1 squirrel; August 12, at Flood ranch, 2 miles west of La Fayette, 1 squirrel; August 16, at People's Water Co. land, 2½ miles north of Stege, on Wildcat Creek, 1 squirrel.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay, 545 acres of land in Alameda County and 1,831 acres in Contra Costa County were covered with poison during the week ended August 19, 1911.

During the same period 1,150 acres of land in San Joaquin County and 830 acres in Stanislaus 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.
California:				
Cities—				
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.
Counties—				
Alameda (exclusive of Oakland and Berkeley.).....	Sept. 26, 1909.....	Oct. 17, 1909.....	July 24, 1911.....	107 squirrels, 1 wood rat.
Contra Costa.....	July 21, 1911.....	None.....	Aug. 16, 1911.....	286 squirrels.
Merced.....	None.....	do.....	July 13, 1911.....	5 squirrels.
Monterey.....	do.....	do.....	June 6, 1910.....	4 squirrels.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911.....	22 squirrels.
San Joaquin.....	None.....	do.....	June 29, 1911.....	17 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.....	June 2, 1911.....	13 squirrels.
Washington:				
Cities—				
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.....	Aug. 19, 1911		1 137	80	
Oakland.....	do	30	* 623	472	
San Francisco.....	do	23	* 1,798	1,290	
Washington:					
Cities—					
Seattle.....	do		1,158	997	

¹ Identified, *Mus norvegicus* 88, *Mus musculus* 49.

² Identified, *Mus norvegicus* 524, *Mus musculus* 96, *Mus rattus*, 3.

³ Identified, *Mus norvegicus* 1,065, *Mus musculus* 399, *Mus rattus* 183, *Mus alexandrinus* 151.

Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	Aug. 19	4		4	
San Francisco.....	do	1		1	
Counties—					
Alameda.....	do	163		142	
Butte.....	do	45		45	
Contra Costa.....	do	222	125	257	5
Fresno.....	do	8		8	
Glenn.....	do	266		193	
Lake.....	do	186		181	
Mendocino.....	do	200		192	
Merced.....	do	127		127	
Monterey.....	do	356	1	261	
Plumas.....	do	19		19	
San Benito.....	do	13		13	
San Joaquin.....	do	112	24	126	
Sonoma.....	do	32		32	
Stanislaus.....	do	307	14	264	
Sutter.....	do	36		36	
Tehama.....	do	107		107	
Yolo.....	do	142	2	144	
Nevada:					
Counties—					
Douglas.....	do	95		95	
Ormsby.....	do	6		6	
Oregon:					
County—					
Jackson.....	do	48		48	
Total.....		2,661	166	2,301	5

Other Animals Collected and Examined.

Places.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Cities—				
Berkeley.....	Aug. 19	1 mole.....	1	
Counties—				
Butte.....	do	1 rabbit.....	1	
Contra Costa.....	do	4 rabbits, 43 kangaroo rats.....	46	
Fresno.....	do	2 rabbits, 16 chipmunks.....	10	
Glenn.....	do	4 rabbits, 1 wood rat.....	5	
Lake.....	do	1 rabbit.....	1	
Merced.....	do	do.....	1	
Monterey.....	do	4 rabbits, 2 chipmunks.....	6	
Plumas.....	do	5 chipmunks.....	5	
San Joaquin.....	do	12 rabbits.....	12	
Stanislaus.....	do	13 rabbits.....	13	
Sutter.....	do	9 rabbits.....	9	
Tehama.....	do	13 rabbits.....	13	
Yolo.....	do	4 rabbits, 1 raccoon.....	5	
Total.....			128	

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 Sept. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Florida:				
Counties—				
Alachua.....	Aug. 20-26.....	3		
Bradford.....	Aug. 13-19.....	3		
Escambia.....	Aug. 20-26.....	2		
De Sota.....	Aug. 13-26.....	3		
Duval.....	do.....	6	1	
Hillsboro.....	Aug. 20-26.....	1		
Washington.....	Aug. 13-26.....	6		
Total for State.....		24	1	
Michigan:				
Counties—				
Calhoun.....	July 1-31.....	4		
Cheboygan.....	do.....	10		
Mackinac.....	do.....	2		
Montcalm.....	do.....	6		
Muskegon.....	do.....	2		
Millford.....	do.....	1		
St. Clair.....	do.....	1		
Washtenaw.....	do.....	3		
Total for State.....		29		
Minnesota:				
County—				
Ramsey.....	May 1-31.....		1	
*Nebraska:				
South Omaha.....	Aug. 20-26.....	1		
South Dakota:				
Counties—				
Aurora.....	July 1-31.....	1		
Coddington.....	do.....	6		
Davison.....	do.....	2		
Lawrence.....	do.....	1		
Lincoln.....	do.....	1		
Spink.....	do.....	1		
Turner.....	do.....	5		
Total for State.....		17		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

[For reports received from Dec. 31, 1910, to June 30, 1911, see Public Health Reports for June 30, 1911. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Mobile.....	June 18-24.....	3		
Montgomery.....	June 25-Aug. 19...	4		
Total for State.....		7		
Arizona:				
Counties—				
Cochise.....	July 1-31.....	1		
California:				
Counties—				
Los Angeles.....	May 1-June 30....	7		
Santa Cruz.....	May 1-31.....	1		
San Diego.....	.....do.....	1		
San Francisco.....	May 1-June 30....	2		
Total for State.....		11		
Connecticut, entire State.....				May 1-31, no cases.
Middlesex County.....	July 1-31.....	1		
Colorado:				
Counties—				
Boulder.....	June 1-30.....	1		
Chaffee.....	do.....	3		
Clear Creek.....	do.....	5		
Conejos.....	do.....	4		
Costilla.....	do.....	1		
Delta.....	do.....	7		
Denver.....	do.....	20		
El Paso.....	do.....	2		
Huerfano.....	do.....	3		
Lake.....	do.....	6		
La Plata.....	do.....	4		
Larimer.....	do.....	8		
Lincoln.....	do.....	2		
Mesa.....	do.....	1		
Phillips.....	do.....	1		
Pueblo.....	do.....	5		
San Miguel.....	do.....	1		
Washington.....	do.....	6		
Total for State.....		80		
District of Columbia.....	July 2-8.....	5		
Florida:				
Counties—				
Bradford.....	July 17-22.....	2		
Citrus.....	July 9-22.....	2		
Columbia.....	July 2-8.....	1		
De Soto.....	June 16-July 22..	4		
Duval.....	June 16-Aug. 13..	30		
Escambia.....	June 16-July 22..	5		
Gadsden.....	July 9-Aug. 16..	49		
Hillsboro.....	June 16-July 16..	2		
Jackson.....	July 2-8.....	31		
Leon.....	June 16-July 8..	11		
Levy.....	July 9-16.....	1		
Manatee.....	June 16-July 8..	8		
Marion.....	July 9-16.....	1		
Orange.....	June 16-July 16..	2		
Pasco.....	July 9-16.....	20		
Polk.....	June 16-July 16..	5		
Santa Rosa.....	July 9-16.....	6		
Sumter.....	Aug. 1-6.....	1		
Volusia.....	July 9-16.....	1		
Washington.....	Aug. 1-6.....	2		
Total for State.....		184		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Indiana:				
Counties—				
Allen.....	June 1-30.....	1		
Bartholomew.....	July 1-31.....	1		
Benton.....	June 1-30.....	2		
Blackford.....	do.....	4		
Clarke.....	July 1-31.....	2		
Clinton.....	June 1-30.....	7		
Delaware.....	do.....	12		
Franklin.....	July 1-31.....	1		
Henry.....	do.....	1		
Howard.....	June 1-July 31.....	30		
Jay.....	June 1-30.....	2		
Laporte.....	do.....	2		
Madison.....	June 1-July 31.....	18		
Marion.....	do.....	4		
Parke.....	do.....	3		
Posey.....	June 1-30.....	3		
Shelby.....	do.....	3		
Tippecanoe.....	July 1-31.....	2		
Tipton.....	June 1-30.....	5		
Vanderburg.....	do.....	1	1	
Vigo.....	July 1-31.....	7		
Wabash.....	June 1-30.....	2		
Wayne.....	June 1-July 31.....	13		
Total for State.....		126	1	
Iowa:				
Counties—				
Adams.....	June 1-July 31.....	19		
Appanoose.....	June 1-30.....	1		
Blackhawk.....	do.....	4		
Carroll.....	do.....	1		
Davis.....	do.....	3		
Decatur.....	July 1-31.....	2		
Fremont.....	June 1-30.....	11		
Henry.....	do.....	1		
Johnson.....	July 1-31.....	13		
Lee.....	June 1-30.....	1		
Linn.....	July 1-31.....	6		
Marshall.....	do.....	8		
Mills.....	June 1-30.....	1	1	
Polk.....	July 1-31.....	13		
Pottawattamie.....	do.....	14		
Scott.....	do.....	6		
Sioux.....	do.....	8		
Taylor.....	do.....	9		
Wapello.....	June 1-30.....	2		
Wright.....	do.....	1		
Woodbury.....	July 1-31.....	1		
Total for State.....		125	1	
Kansas:				
Counties—				
Allen.....	May 1-31.....	7		
Anderson.....	June 1-30.....	15		
Atchison.....	May 1-June 30.....	2		
Barton.....	do.....	8		
Clay.....	May 1-31.....	1		
Cloud.....	do.....	1		
Crawford.....	May 1-June 30.....	17		
Dickinson.....	May 1-31.....	13		
Doniphan.....	do.....	15		
Douglas.....	May 1-June 30.....	2		
Elk.....	May 1-31.....	15		
Ellsworth.....	June 1-30.....	1		
Franklin.....	May 1-31.....	4		
Graham.....	May 1-June 30.....	3		
Harvey.....	do.....	20		
Haskell.....	May 1-31.....	19		
Jefferson.....	May 1-June 30.....	3		
Johnson.....	do.....	5		
Kearny.....	June 1-30.....	1		
Labette.....	May 1-June 30.....	8		
Lane.....	June 1-30.....	11		
Leavenworth.....	May 1-June 30.....	3		
Marion.....	May 1-31.....	3		
Marshall.....	do.....	3		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Counties—Continued.				
Miami	May 1-31	3		
Mitchell	do	6		
Montgomery	do	5		
Norton	June 30	9		
Osage	May 1-31	1	3	
Pottawatomie	do	2		
Reno	do	3		
Republic	do	1		
Rice	June 30	13		
Riley	May 1-June 30	9		
Rooks	May 1-31	4		
Saline	May 1-June 30	7		
Sedgwick	do	8		
Shawnee	do	22	1	
Sherman	June 1-30	1		
Smith	May 1-31	18		
Thomas	do	2		
Washington	do	1		
Wyandotte	May 1-June 30	25		
Total for State		320	4	
*Kentucky:				
Covington	July 2-22	10		
Louisville	May 1-31	4		
Total for State		14		
Louisiana:				
Parishes—				
Ascension	Mar. 1-31	21		
Morehouse	Apr. 1-30	4		
Orleans—				
New Orleans	June 25-Aug. 13	4		
St. Tammany	Mar. 1-31	3		
Tangipahoa	Mar. 1-Apr. 30	21		
Total for State		53		
Maine, entire State				
County—				
Somerset	June 1-30	3		July 1-31, no cases.
Maryland:				
Counties—				
Frederick	July 1-31	3		
Prince Georges	do	1		
Washington	June 1-30	1		
Total for State		5		
Massachusetts				
County—				
Middlesex	June 1-30	1		Do.
Michigan:				
Counties—				
Antrim	do	2		
Calhoun	do	8		
Grand Traverse	do	6		
Isabella	do	1		
Mackinac	do	1		
Marquette	do	1		
Oakland	do	1		
Ottawa	do	1		
St. Clair	do	8		
Shiawassee	do	1		
Washtenaw	do	3		
Wayne	do	5		
Total for State		38		
Minnesota:				
Counties—				
Ramsey	Mar. 1-31		1	Cases in March, reported on p. 683, vol. 1.
Brown	June 20-26	2		
Carver	June 1-5	1		
Dodge	July 4-21	4		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Counties—Continued.				
Fairbault.....	June 6-17.....	2		
Fillmore.....	June 6-12.....	1		
Goodhue.....	July 25-31.....	1		
Hennepin.....	June 1-July 17.....	32		
Houston.....	July 25-31.....	1		
Lac qui Parle.....	June 1-19.....	4		
Mille Lacs.....	June 1-5.....	1		
Otter Tail.....	June 1-July 31.....	6		
Ramsey.....	June 1-5.....	26		
St. Louis.....	June 21-July 31.....	7		
Wadena.....	July 11-17.....	1		
Yellow Medicine.....	June 1-26.....	35		
Total for State.....		124	1	
*Missouri:				
Kansas City.....	June 1-30.....	17		
St. Louis.....	June 18-24.....	1		
Total for State.....		18		
Montana.....				
Counties—				
Beaverhead.....	July 1-31.....	1		June 1-30, no cases.
Cascade.....	do.....	1		
Jefferson.....	do.....	4		
Park.....	do.....	1		
Powell.....	do.....	2		
Silverbow.....	do.....	3		
Teton.....	do.....	3		
Yellowstone.....	do.....	1		
Total for State.....		16		
*Nebraska:				
Lincoln.....	Feb. 1-June 30.....	200		July 1-31, no cases.
Omaha.....	June 19-Aug. 19.....	4		
Total for State.....		204		
New Jersey.....				
Counties—				
Middlesex.....	July 1-31.....	1		June 1-30, no cases.
New York.....				
Counties—				
Erie.....	do.....	12		
Clinton.....	do.....	1		
Franklin.....	do.....	1		
Monroe.....	do.....	4		
Onondaga.....	do.....	3		
Otsego.....	do.....	1		
St. Lawrence.....	do.....	4		
Tioga.....	do.....	1		
Ulster.....	do.....	5		
Total for State.....		32		
North Carolina:				
Counties—				
Alamance.....	June 1-July 31.....	2		
Avery.....	do.....	56		
Bertie.....	do.....	2		
Catawba.....	June 1-30.....	1		
Chatham.....	do.....	2		
Craven.....	do.....	3		
Cumberland.....	June 1-July 31.....	5		
Currituck.....	July 1-31.....	1		
Duplin.....	do.....	3		
Durham.....	do.....	4		
Edgecombe.....	June 1-30.....	4		
Granville.....	July 1-31.....	5		
Haywood.....	June 1-30.....	3		
Henderson.....	do.....	4		
Johnston.....	July 1-31.....	1		
Mecklenburg.....	do.....	3		
New Hanover.....	June 1-July 31.....	7		
Pasquotank.....	June 1-30.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Counties—Continued.				
Robeson.....	July 1-31.....	2		
Rowan.....	June 1-July 31.....	2		
Sampson.....	July 1-31.....	1		
Warren.....	.....do.....	2		
Watauga.....	June 1-30.....	2		
Wayne.....	July 1-31.....	1		
Wilmington.....	.....do.....	3		
Total for State.....		121		
North Dakota:				
Counties—				
Billings.....	June 1-July 31.....	8		
Lamoure.....	July 1-31.....	1		
Morton.....	June 1-30.....	1		
Montraille.....	.....do.....	6		
Ward.....	.....do.....	1		
Total for State.....		17		
Ohio:				
Counties—				
Ashtabula.....	June 1-July 31.....	3		
Brown.....	June 1-30.....	4		
Clark.....	July 1-31.....	19		
Clermont.....	June 1-30.....	3		
Defiance.....	.....do.....	1		
Franklin.....	July 1-31.....	44		
Geauga.....	June 1-30.....	2		
Hamilton.....	July 1-31.....	16		
Licking.....	.....do.....	1		
Lorain.....	.....do.....	5		
Lucas.....	.....do.....	5		
Pickaway.....	.....do.....	3		
Sandusky.....	June 1-30.....	4		
Total for State.....		110		
Oklahoma:				
Counties—				
Bryan.....	June 1-30.....	1		
Caddo.....	May 1-31.....	1		
Carter.....	June 1-30.....	1		
Cleveland.....	May 1-June 30.....	49		
Comanche.....	June 1-30.....	1		
Craig.....	.....do.....	6		
Custer.....	May 1-31.....	5		
Dewey.....	.....do.....	6		
Ellis.....	June 1-30.....	3		
Garvin.....	May 1-31.....	19		
Haskell.....	May 1-June 30.....	2		
Hughes.....	May 1-31.....	3		
Jefferson.....	May 1-June 30.....	7		
Johnson.....	May 1-31.....	3		
Kay.....	.....do.....	6		
Kingfisher.....	.....do.....	1		
Kiowa.....	.....do.....	1		
Le Flore.....	May 1-June 30.....	3		
Logan.....	June 1-30.....	1		
McClain.....	May 1-31.....	18		
McIntosh.....	.....do.....	1		
Nowata.....	May 1-June 30.....	2		
Okluskee.....	May 1-31.....	1		
Oklahoma.....	May 1-June 30.....	10		
Pittsburg.....	June 1-30.....	1		
Pontotoc.....	May 1-31.....	5		
Pottawatomie.....	June 1-30.....	3		
Pushmataha.....	May 1-31.....	2		
Roger Mills.....	May 1-June 30.....	6		
Seminole.....	.....do.....	16		
Tulsa.....	.....do.....	10		
Wagoner.....	May 1-31.....	1		
Washington.....	June 1-30.....	1		
Washita.....	May 1-June 30.....	2		
Woodward.....	May 1-31.....	1		
Total for State.....		199		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Pennsylvania:				
Entire State.....	May 1-June 30.....	79		
Rhode Island:				
Providence.....	June 15-July 14...	3		
South Carolina:				
Port Royal.....	July 22.....	1		
South Dakota:				
Counties—				
Aurora.....	June 1-30.....	2		
Beadle.....	May 1-31.....	13		
Brookings.....	Apr. 1-30.....	9		
Brown.....	Apr. 1-June 30.....	10		
Brule.....	Apr. 1-May 21.....	6		
Charles Mix.....	June 1-30.....	1		
Codington.....	do.....	1		
Davison.....	May 1-June 30.....	5		
Day.....	June 1-30.....	1		
Dewey.....	do.....	4		
Fall River.....	Apr. 1-May 31.....	18		
Grant.....	do.....	4		
Hanson.....	May 1-31.....	1		
Hughes.....	June 1-30.....	1		
Hutchinson.....	Apr. 1-30.....	1		
Jerauld.....	May 1-June 30.....	6		
Kingsbury.....	Apr. 1-May 31.....	8		
Lawrence.....	Apr. 1-June 30.....	6		
Lyman.....	Apr. 1-May 31.....	16	1	
McCook.....	do.....	11		
Miner.....	Apr. 1-June 30.....	5		
Minnehaha.....	do.....	15		
Pennington.....	do.....	48		
Sanborn.....	May 1-31.....	3		
Spink.....	Apr. 1-June 30.....	7		
Tripp.....	do.....	6		
Total for State.....		208	1	
Tennessee:				
Counties—				
Knox—				
Knoxville.....	June 18-July 22...	9		
Shelby.....	June 1-30.....	9		
Total for State.....		18		
Texas.....	May 1-31.....	12		Omitted on p. 813, vol. 1.
Counties—				
Denton.....	Apr. 1-30.....	4		
Bell.....	June 1-30.....	2		
Cameron.....	May 1-July 31.....	26		
Childress.....	June 1-30.....	1		
Collin.....	May 1-31.....	5		
Dallas.....	do.....	13		
Denton.....	do.....	1		
El Paso.....	May 1-July 31.....	11		
Floyd.....	May 1-31.....	4		
Galveston.....	May 1-June 30.....	7		
Hall.....	do.....	4		
Harris.....	May 1-July 31.....	5		
Hidalgo.....	May 1-31.....	3		
Hunt.....	June 1-July 31.....	5		
Marion.....	May 1-31.....	1		
McLennan.....	do.....	1		
Navarro.....	do.....	32		
Nueces.....	do.....	5		
Tarrant.....	May 1-June 30.....	9		
Titus.....	May 1-31.....	5		
Victoria.....	July 1-31.....	1		
Wayne.....	June 1-30.....	5		
Wichita.....	May 1-31.....	6		
Total for State.....		167		
Utah:				
Counties—				
Beaver.....	May 1-31.....	16		
Boxelder.....	do.....	18		
Cache.....	do.....	12		
Carbon.....	do.....	9	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Utah—Continued.				
Counties—Continued.				
Emery	May 1-31.....	4		
Garfield	do.....	1		
Piute	do.....	9		
Salt Lake	do.....	13		
Sanpete	do.....	16		
Sevier	do.....	18		
Tooele	do.....	27		
Uinta	do.....	1		
Utah	do.....	2	1	
Washington	do.....	1		
Weber	do.....	7		
Total for State.....		154	2	
Virginia:				
Counties—				
Brunswick.....	Mar. 1-May 31.....	49		
Campbell.....	May 1-June 30.....	1		
Dinwiddie.....	Apr. 1-May 31.....	19		
Fairfax.....	Mar. 1-Apr. 30.....	4		
Fauquier.....	Apr. 1-May 30.....	6		
Greenville.....	July 1-31.....	4		
Hanover.....	Mar. 1-July 31.....	3		
Henrico.....	Mar. 1-June 30.....	14		
Henry.....	do.....	74		
Isle of Wight.....	May 1-31.....	1		
Lancaster.....	do.....	1		
Lee.....	Mar. 1-July 31.....	101		
Loudoun.....	Mar. 1-31.....	1		
Mecklenburg.....	Mar. 1-June 30.....	18		
Nansemond.....	Mar. 1-May 31.....	21		
Norfolk.....	Apr. 1-May 31.....	26		
Northampton.....	Apr. 1-30.....	1		
Page.....	do.....	8		
Pittsylvania.....	Mar. 1-July 31.....	46		
Prince William.....	Mar. 1-31.....	1		
Princess Anne.....	do.....	1		
Roanoke.....	May 1-31.....	1		
Southampton.....	Mar. 1-Apr. 30.....	9		
Surry.....	Mar. 1-31.....	2		
Sussex.....	Mar. 1-June 30.....	7		
Wise.....	do.....	15		
Total for State.....		434		
Washington:				
Counties—				
Chehalis.....	May 1-31.....	2		
Chelan.....	do.....	1		
Columbia.....	do.....	5		
Cowlitz.....	do.....	1		
Garfield.....	do.....	3		
King.....	do.....	27		
Mason.....	do.....	28		
Pierce.....	do.....	7		
San Juan.....	do.....	1		
Skagit.....	do.....	4		
Spokane.....	do.....	5		
Thurston.....	do.....	1		
Whatcom.....	do.....	5		
Whitman.....	do.....	17		
Yakima.....	do.....	35		
Total for State.....		142		
Wisconsin:				
Counties—				
Ashland.....	June 1-30.....	1		
Barron.....	do.....	3		
Douglas.....	do.....	2		
Iowa.....	do.....	8		
Milwaukee.....	do.....	1		
Vilas.....	do.....	1		
Wood.....	do.....	2		
Total for State.....		18		
Grand total for the United States.....		2,964	10	

PLAGUE IN THE UNITED STATES.

Reports Received from July 25 to Sept. 1, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
California: Counties— Alameda— Oakland.....	Aug. 8.....	1	.....	Infection received at Pinol Ca- fion, Contra Costa County, Cal. 1 mile nw. of Lafayette.
Contra Costa.....	July 25-26.....	1	1	

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES,
FOR WEEK ENDED AUGUST 19, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Messles.		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	201	12	1	4	.....	10	.....	.....	.....	32	19	51	3
Boston, Mass.....	670,585	204	22	1	33	1	13	.....	.....	.....	51	16	12	1
Chicago, Ill.....	2,185,283	554	73	15	14	.....	53	5	.....	.....	97	52	31	5
Cleveland, Ohio.....	560,663	137	26	1	9	1	29	4	.....	.....	32	11	5	.....
Philadelphia, Pa.....	1,549,008	457	50	2	11	1	22	3	.....	.....	75	58	56	10
St. Louis, Mo.....	687,029	228	13	.....	3	.....	12	4	.....	.....	23	9	51	6
<i>Cities having from 500,000 to 500,000 inhabitants.</i>														
Buffalo, N. Y.....	423,715	148	20	2	1	.....	2	.....	.....	.....	22	13	12	6
Cincinnati, Ohio.....	364,463	107	6	.....	2	1	31	2	.....	.....	22	13	10	1
Detroit, Mich.....	465,766	152	11	.....	.....	.....	6	1	.....	.....	.....	.....	.....	.....
Los Angeles, Cal.....	319,198	101	5	.....	.....	.....	9	.....	.....	.....	7	15	.....	.....
Milwaukee, Wis.....	373,857	110	12	.....	4	1	10	.....	.....	.....	11	6	7	3
Newark, N. J.....	347,469	122	15	1	.....	.....	4	.....	.....	.....	17	11	5	1
New Orleans, La.....	339,075	106	5	.....	3	.....	8	.....	.....	.....	34	14	9	4
San Francisco, Cal.....	416,912	130	4	.....	7	.....	2	.....	.....	.....	20	14	2	.....
Washington, D. C.....	331,069	97	2	.....	25	.....	1	.....	.....	.....	17	6	17	2
<i>Cities having from 200,000 to 500,000 inhabitants.</i>														
Denver, Colo.....	213,381	71	11	2	.....	.....	3	.....	2	.....	.....	8	11	6
Jersey City, N. J.....	267,779	74	.....	2	.....	.....	.....	.....	.....	.....	.....	5	.....	.....
Kansas City, Mo.....	248,381	85	1	.....	.....	.....	1	.....	.....	.....	.....	5	1	1
Providence, R. I.....	224,326	71	8	.....	.....	.....	5	.....	.....	.....	15	11	7	.....
<i>Cities having from 100,000 to 200,000 inhabitants.</i>														
Bridgeport, Conn.....	102,054	29	1	1	1	.....	.....	.....	.....	.....	4	1	.....	.....
Cambridge, Mass.....	104,839	.....	4	.....	2	.....	3	.....	.....	.....	10	3	.....	.....
Columbus, Ohio.....	181,548	57	7	2	.....	.....	4	.....	.....	.....	4	2	8	1
Dayton, Ohio.....	116,577	21	.....	.....	3	.....	1	.....	4	.....	1	2	2	1
Fall River, Mass.....	119,295	51	1	1	.....	1	.....	.....	4	1	8	8	4	.....
Lowell, Mass.....	106,294	40	2	.....	2	.....	1	.....	.....	.....	3	3	2	1
Nashville, Tenn.....	110,364	31	.....	.....	.....	.....	1	.....	.....	.....	2	3	13	3
Omaha, Nebr.....	124,096	.....	1	.....	.....	.....	.....	1	.....	.....	.....	3	2	.....
Richmond, Va.....	127,628	44	3	1	2	1	.....	.....	.....	.....	1	7	9	.....
Toledo, Ohio.....	168,497	51	7	.....	1	.....	1	.....	.....	.....	.....	3	2	.....
Worcester, Mass.....	145,986	41	11	.....	.....	.....	7	.....	.....	.....	7	4	3	1

MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended August 19, 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 50,000 to 100,000 inhabitants.</i>														
Altoona, Pa.	52,127	6											1	1
Bayonne, N. J.	55,545	21				2					1			
Brookton, Mass.	56,878	5											1	
Camden, N. J.	94,538						2							
Covington, Ky.	53,270	13											5	1
Duluth, Minn.	78,466	24	4				1	1			2	1	3	
Erie, Pa.	66,525	19									7	1	1	2
Evansville, Ind.	69,647	11			1						2	2	3	
Harrisburg, Pa.	64,186	15	1								6	2	2	
Hartford, Conn.	98,915	39	10	1			2				2	1	1	
Hoboken, N. J.	70,324	7									2			
Houston, Tex.	78,800	25	1				1					3		2
Jacksonville, Fla.	57,699	23							8			4	3	
Johnstown, Pa.	55,482	28	1		2						3	6	6	1
Kansas City, Kans.	82,331	3	3		1						1	6	5	2
Lawrence, Mass.	85,892	30	1		1		1							
Lynn, Mass.	89,336	31					3				9	1	1	1
Manchester, N. H.	70,063	26			3						1	1	1	
New Bedford, Mass.	96,652	37	2				3				3	4	8	7
Oklahoma City, Okla.	64,205	20	1										7	
Passaic, N. J.	54,773	26	3	1			1				2	4	2	
Reading, Pa.	96,071	21	4		2		2				2	5	5	7
San Antonio, Tex.	96,614	38					2		2			2	5	
Schenectady, N. Y.	72,826	7									5	1	7	
South Bend, Ind.	53,684	14									1	1	4	
Springfield, Mass.	88,926	31	1				2				2	1	2	1
Terre Haute, Ind.	58,157	10			2								1	1
Trenton, N. J.	96,815	46	3				2				8	3	4	
Wilkes-Barre, Pa.	67,105	26	4								3		4	
Wilmington, Del.	87,411	25										2		1
Yonkers, N. Y.	79,803	24			2		1				5	1	2	
<i>Cities having from 25,000 to 50,000 inhabitants.</i>														
Atlantic City, N. J.	46,150	10	1											
Auburn, N. Y.	34,668	11									1	1		
Aurora, Ill.	29,807	9												
Berkeley, Cal.	40,434	13			1						1	1	1	
Binghamton, N. Y.	48,443	13									7	1		
Brookline, Mass.	27,792	3									2		1	
Butte, Mont.	39,165	18					1					3		
Chattanooga, Tenn.	44,604												2	
Chelsea, Mass.	32,452	13	1		7						5	1	1	
Chicopee, Mass.	25,401	21	1										2	
Danville, Ill.	27,871	3										1		
Elmira, N. Y.	37,176	5	1		1						6	1	1	
Everett, Mass.	33,484	8	1								1			
Haverhill, Mass.	44,115	15	1				1				6		3	
Hazleton, Pa.	25,452				1									
Kalamazoo, Mich.	39,437	13	1								1	3	2	
Knoxville, Tenn.	36,346	12	1	1								1		2
La Crosse, Wis.	30,417	8	1				1					2		
Lancaster, Pa.	47,227	8									2		1	
Lima, Ohio.	30,506	6			1							1		
Lynchburg, Va.	29,494	9	2	1				1				2	2	1
Malden, Mass.	44,404	8			1						3		2	
Montgomery, Ala.	38,136	20	1		1		6		1		1	1	2	1
Newcastle, Pa.	36,280		10				1					2	2	
Newport, Ky.	30,309	7	1								2	1	1	
Niagara Falls, N. Y.	30,445	9	1	1							1	2	10	
Norristown, Pa.	27,875	8					1					1		
Orange, N. J.	29,630	6	2									1		
Pasadena, Cal.	30,291	7					1							
Pittsfield, Mass.	32,121	12	3								3		1	
Portsmouth, Va.	33,190	11					1	1					1	
Racine, Wis.	38,002	8										1		

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

FLORIDA.—Week ended August 19, 1911. Reports from the State board of health show diphtheria present in 3 localities with 4 cases, malaria in 4 localities with 15 cases, scarlet fever in 2 localities with 4 cases, smallpox in 4 counties with 15 cases, tuberculosis in 2 localities with 3 cases, typhoid fever in 9 localities with 23 cases.

KENTUCKY—*Louisville*.—Month of July, 1911. Population, 223,928. Total number of deaths from all causes 294, including measles 1, tuberculosis (pulmonary) 41, typhoid fever 5. Cases reported: Diphtheria 8, scarlet fever 5, tuberculosis (pulmonary) 49, typhoid fever 20.

NEW YORK—*Rochester*.—Month of July, 1911. Population, 218,149. Total number of deaths from all causes 295, including diphtheria 9, scarlet fever 2, tuberculosis (pulmonary) 23, typhoid fever 1. Cases reported: Diphtheria 43, measles 100, scarlet fever 37, tuberculosis (pulmonary) 40, typhoid fever 10.

NORTH DAKOTA.—Month of July, 1911. Population, 577,056. Total number of deaths from all causes 247, including diphtheria 1, scarlet fever 1, typhoid fever 1. Cases reported: Diphtheria 31, measles 21, scarlet fever 20, smallpox 6, tuberculosis 12, typhoid fever 14.

FOREIGN AND INSULAR.

CHINA.

Hongkong—Plague—Plague Rats.

Surg. Brown reports July 25:

During the week ended July 18 there were reported 15 cases of plague with 15 deaths. During the same period 20 plague-infected rats were found.

Shanghai—Cholera and Plague.

Surg. Irwin at Yokohama reports August 14:

Official reports from Shanghai show cholera present in the foreign concession and in the port of Shanghai. On August 10 a fatal case of plague was reported at the foreign settlement. Three cases of plague were reported in the vicinity of Shanghai.

CUBA.

Transmissible diseases.

The following statement of transmissible diseases in the island of Cuba was issued by the national department of sanitation:

JULY 11-20, 1911.

Disease.	New cases	Deaths.	Remaining under treatment.
Tuberculosis	60	76	2,249
Leprosy	4	4	344
Malaria	55	7	133
Typhoid fever	46	10	93
Diphtheria	21	4	13
Scarlet fever	6	.....	7
Measles	89	.....	7
Varicella	7	.....	5
Tetanus in the newborn	12	14	.....
Filariasis	2	.....	2

No quarantinable diseases were reported in the island during the week ended August 19.

ECUADOR.

Plague and Yellow Fever.

The following statement of plague and yellow fever in Ecuador was received from the director of public health:

AUGUST 1-15, 1911.

Plague.—At Guayaquil there were reported 9 cases with 2 deaths.

Yellow fever.—At Babahoyo there was reported 1 case with 1 death and at Milagro 1 case with 1 death. At Guayaquil 4 cases with 1 death were reported.

FRANCE.**Marseille—Cholera.**

The American consul reports August 31:
Cholera is still present at Marseille.

GIBRALTAR.**Quarantine Against Genoa.**

The following notice was issued by the board of health August 12:
It has been decided by the board of health that vessels with foul bills of health from Genoa shall not be admitted to pratique unless they have been more than seven days out from that port, and then only after medical inspection and subject to there being good health on board and to there having been no sickness either before departure or during the voyage.

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.

At Hilo the last case of human plague occurred March 23, 1910. A fatal case occurred at Honokaa, 60 miles from Hilo, December 17, 1910; 2 fatal cases were reported January 31, 1911, and 1 fatal case was reported April 19.

The last plague-infected rat was found at Honokaa February 2, 1911. A plague-infected rat was found at Hilo during the week ended June 10, 1911.

Chief Quarantine Officer Ramus reports, August 7 and 14:

HONOLULU.

	Week ended Aug. 5.	Week ended Aug. 12.
Total rats and mongoose taken.....	817	672
Rats trapped.....	795	662
Mongoose trapped.....	22	10
Rats examined bacteriologically.....	694	589
Classification of rats trapped:		
<i>Mus alexandrinus</i>	90	62
<i>Mus musculus</i>	287	224
<i>Mus norvegicus</i>	75	87
<i>Mus rattus</i>	343	289
Average number of traps set daily.....	1,720	1,720

INDIA.**CALCUTTA—Cholera and Plague.**

Acting Asst. Surg. Allan reports August 3:

During the week ended July 15, 21 deaths from cholera and 17 from plague were reported at Calcutta; in all Bengal, 82 cases of plague with 71 deaths; in all India, 1,537 cases of plague with 1,129 deaths.

ITALY.

Status of Cholera.

Surg. Geddings at Naples reports August 26:

During the period from August 20 to 26, inclusive, cholera was reported in Italy as follows: Naples (city), 35 cases with 8 deaths; Naples (Province), 104 cases with 46 deaths; Genoa Province, 88 cases with 19 deaths; city of Rome, 19 cases with 12 deaths; Leghorn, 153 cases with 61 deaths; rest of continental Italy, 873 cases with 303 deaths; Palermo (city), 83 cases with 38 deaths; Palermo (Province), 30 cases with 9 deaths; rest of Sicily, 212 cases with 74 deaths.

Naples—Examination of Emigrants.

Surg. Geddings reports, August 16:

Vessels inspected during the week ended August 12.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Aug. 10 11	Taormina.....	Philadelphia.....	281	55	370
	Europa.....	New York.....	297	130	580
	Total.....		578	185	950

Rejections recommended.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Other causes.	Total.
Aug. 10 11	Taormina.....	7		3	1	11
	Europa.....	6		1		7
	Total.....	13		4	1	18

Second-class baggage inspected and disinfected at Naples.

WEEK ENDED AUGUST 5.

Date.	Name of ship.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Aug. 2 3 4	Duca degli Abruzzi.....	20	45
	Re d'Italia.....	30	45
	König Albert.....	55	130
	Total.....	105	220

WEEK ENDED AUGUST 12.

Date.	Name of ship.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Aug. 10 11	Taormina.....	40	130
	Europa.....	25	70
	Total.....	65	200

Vessels sailing from Naples.

Dr. Geddings further reported:

On August 25 the steamships *America* and *Verona* sailed from Naples for New York; on August 26 the *Roma* and *Mendoza* for New York and the *Romanic* for Boston.

JAPAN.**Typhoid Fever and Dysentery.**

Surg. Irwin at Yokohama reports, August 8:

An epidemic of typhoid fever is reported in the Province of Yamagata in the northeastern part of the mainland of Japan. On July 28 there were 168 cases present. From January 1 to date there have been 1,095 cases, including 448 cases in the district of Akumigun, with 155 deaths. (Population, 829,210.)

From January 1 to July 20, 1911, there were reported in the Empire of Japan 7,889 cases of typhoid fever and 1,841 cases of dysentery.

On August 14 Dr. Irwin further reported:

Dysentery is reported as prevalent in the prefecture of Chiba. From the beginning of the outbreak there have been 114 cases, with 21 deaths. The disease is epidemic in Higashi-Katsushika district. To August 7, 40 cases were reported.

The population of Chiba prefecture is 2,273,389.

Acting Asst. Surg. Moore, at Kobe, reports August 2:

During the week ended July 29, 33 deaths from dysentery were reported in this prefecture.

MANCHURIA.**Dalny—Cholera.**

The American consul reports September 1 the presence of cholera at Dalny.

MEXICO.**Merida—Yellow Fever.**

The American vice consul at Progreso reports September 2:

Official reports show the occurrence of yellow fever at Merida as follows: On August 25, 29, 30, and 31 and September 1, one death each. Confirmed cases of yellow fever were reported as follows: August 23, 1 case; August 29, 5 cases; August 30, 1 case; August 31, 2 cases.

VENEZUELA.**Plague and Yellow Fever at Caracas.**

Acting Asst. Surg. Stewart, at La Guaira, reports August 23:

During the week ended August 5, 1 case of plague and 1 case of yellow fever occurred at Caracas.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.**Reports Received During Week Ended Sept. 8, 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.
Austria-Hungary:				
Vienna	Aug. 16	1		
Ceylon:				
Colombo	July 16-22	2	1	
India:				
Bassein	July 2-8	1	1	
Calcutta	July 9-15		21	
Negapatam	July 2-8		14	
Italy	Aug. 20-26			Total for all Italy: Cases, 1,653; deaths, 602. Continental Italy outside of Naples: Cases, 873; deaths, 303.
Provinces:				
Genoa	Aug. 20-26	88	19	
Genoa city	do	56	32	
Leghorn	do	153	61	
Naples	do	104	46	
Naples city	do	35	8	
Rome	do	19	12	
Sicily				Outside of Palermo Province, Aug. 20-26: Cases, 212; deaths, 74.
Palermo	Aug. 20-26	30	9	
Palermo city	do	83	38	
Java:				
Batavia	July 16-22	10	4	
Montenegro:				
Cettinje	July 29	2		
Russia:				
				Total for Russia, Aug. 6-19: Cases, 572; deaths, 313.
Siam:				
Bangkok	June 11-July 8	191	191	
Straits Settlements:				
Began Dotah	June 16-20	11		
Jenderata	July 1-8	20	13	
Perak	May 16-June 21			Present among Malays and Chinese.
Singapore	July 9-15	6	7	

YELLOW FEVER.

Brazil:				
Para	Sept. 2	1		
Ecuador:				
Babahoyo	Aug. 1-15	1	1	
Guayaquil	do	4	1	
Milagro	do	1		
Mexico:				
Merida	Sept. 2	5	1	
Venezuela:				
Caracas	Aug. 5	1		

PLAGUE.

China:				
Amoy	July 9-15		1	
Hongkong	July 16-22	15	15	
Shanghai	Aug. 10-12	5	1	And 3 cases in vicinity.
Ecuador:				
Guayaquil	Aug. 1-15	9	2	
India:				
Bombay	July 23-29	37	21	
Calcutta	July 9-15		17	
Kurrachi	July 23-29	6	6	
Java:				
Kediri	Mar. 31-May 10	42	3	
Paserocean Residency	July 16-22	10	4	
Siam:				
Bangkok	June 11-July 8	23	23	
Venezuela:				
Caracas	Aug. 5	1		

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

Reports Received During Week Ended Sept. 8, 1911.

SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	Apr. 1-30		1	
Pernambuco	July 1-15		127	
Canada:				
Vancouver	Aug. 13-19	2		
Chile:				
Punta Arenas	June 1-30	2	1	
Talcahuano	Aug. 1-5	7	2	
China:				
Hongkong	July 16-22	1	1	
France:				
Paris	Aug. 1-5	1		
Germany:				
Hamburg	Aug. 6-12	2		Aug. 23, 1 case on steamer Prinz Regent.
India:				
Bombay	July 23-29	4	3	
Italy:				
Naples	Aug. 6-12	6		
Java:				
Batavia	July 16-22	5	1	
Malta:				
Valetta	June 6-12	1		
Mexico:				
Guadalajara	Aug. 13-19		2	
Ciudad Juarez	Aug. 13-26	1	2	
Ciudad Porfirio	Aug. 20-26		1	
Tampico	Aug. 11-20	1	1	
Portugal:				
Lisbon	Aug. 6-12	2		
Russia:				
Moscow	July 23-30	6	2	
Warsaw	June 10-July 1	18	11	
Siam:				
Bangkok	June 11-July 8	28	28	
Spain:				
Madrid	July 1-31	1	1	
Valencia	Aug. 6-12	5	1	
Straits Settlements:				
Singapore	July 9-15	12	4	
Turkey in Asia:				
Beirut	Aug. 6-12	6		

Reports Received from July 1 to Sept. 1, 1911.

[For reports received from Dec. 31, 1910, to June 30, 1911, see PUBLIC HEALTH REPORTS for June 30, 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	June 16-30	21	17	Among the civil and the military population.
Austria-Hungary				Total Austria-Hungary, May 24-Aug. 13, 50 cases, 19 deaths.
Campodistria	July 23-Aug. 13	7	4	
Trieste	June 4-Aug. 13	41	14	July 8, the second case from s. s. Oceania. Case July 21, from s. s. Bandiera Moro.
Cattaro	July 6-20	4	1	
Muggia	Aug. 7-13	2	1	
Waltendorf	May 31	1		Second case. Near Gratz.
Bulgaria:				
Kalondjik	June 18-20	1	1	Vicinity of Choumen. From the ship Cyrille, bound from the coast of Asia Minor.
Varna	July 4	1	1	From Asia Minor via Constantinople.
Ceylon:				
Colombo	May 21-June 30	13	8	

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

Reports Received from July 1 to Sept. 1, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	May 23-July 1.....		4	July 22, increasing in the district.
Hankow.....	July 22.....			Present.
Hollow.....	June 2.....			Do.
Manchuria—				
Dalny.....	Sept. 5.....			Do.
Nanking.....	July 22-Aug. 12.....			Do.
Swatow.....	do.....			Do.
Dutch East Indies:				
Java—				
Batavia.....	May 14-July 15.....	354	171	June 15-28: Present in Borneo at Pamank and Singkawang; Sumatra at Telopakedai, and in Lombok at Geroeng.
Beloe.....	June 15-28.....			Present.
Surabaya.....	Apr. 10-May 6.....	44	22	
France:				
Marseille.....	June 26-Aug. 31.....	38	15	
Greece:				
Laurium.....	July 5-8.....	3	1	Case July 5, from a German vessel via Naples.
Piræus, quarantine station.	July 30-Aug. 8.....	3		Case July 30, from s. s. Margarita.
India:				
Bassein.....	May 7-13.....	1	1	
Bombay.....	June 25-July 1.....	3	3	
Calcutta.....	May 7-July 8.....		359	
Madras.....	June 4-July 22.....	6	4	May 1-June 30. Cases, 9,598; deaths, 5,255.
Moulmine.....	May 7-June 17.....	4	4	
Negapatam.....	June 11-July 1.....		32	
Rangoon.....	May 1-June 30.....	31	26	
Indo-China:				
Saigon.....	May 15-July 9.....	46	35	
Italy.....				Total for Italy, June 8-Aug. 26: Cases, 9,020; deaths, 3,410.
Provinces—				
Avellino.....	July 12-31.....	25	11	
Benevento.....	July 22-31.....	6	2	
Caserta.....	June 18-July 31.....	341	159	
Catania.....	July 22-31.....	21	10	
Caltanissetta.....	July 17-31.....	30	11	
Catanzaro.....	July 26-31.....	2	2	
Campobasso.....	July 17-31.....	27	8	
Genoa.....	July 21-31.....	18	9	Aug. 13-19, 81 cases, 35 deaths.
Genoa.....	July 13-31.....	9	4	Aug. 13-19, 53 cases, 19 deaths.
Girgenti.....	July 22-31.....	5	1	
Leghorn.....	July 13-31.....	22	10	
Messina.....	July 17-31.....	9	2	
Naples.....				The Province outside of Naples, June 10-Aug. 26: 1,191 cases; 509 deaths.
Naples, city.....	June 11-Aug. 26.....	878	258	
Salerno.....	June 17-July 31.....	416	146	
Palermo.....	June 18-Aug. 26.....	328	148	
Palermo, city.....	June 15-Aug. 26.....	1,204	385	
Potenza.....	July 31.....	2	2	
Rome.....	June 27-July 26.....	6		Aug. 20-26, 19 cases, 12 deaths.
Trapani.....	July 17-31.....	24	11	
Persia:				
Mohamerah.....	July 28.....	1		From the cruiser Perseoolis.
Philippine Islands.....				First quarter, 1911: Manila, no cases. Provinces, 199 cases and 160 deaths.
Russia.....				New outbreak Apr. 21-Aug. 5: Cases, 430; deaths, 188, including 7 cases and 2 deaths, p. 1044, vol. 1. July 7-Aug. 14: Cases, 35; deaths, 10.
Governments—				
Astrakhan.....	July 12-29.....	8	5	
Baku—				
Baku, city.....	July 8-15.....	2		
Khasan—				
Koemodemiansk.....	July 2.....	1		
Kherson.....	May 3-July 22.....	2		
Nikolaiev.....	July 9-10.....	3		
Poltava.....	June 24.....	1		
Samara.....	June 29-Aug. 5.....	395	175	Including Nikolayevsk.

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

Reports Received from July 1 to Sept. 1, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Saratov.....	July 18-29.....	2	1	
Nikolayevsk.....	June 29-July 3.....	15	1	
Siberia—				
Omsk.....	June 20-26.....	2		
Tambov.....	June 26.....			Present.
Stavropol.....	July 23-29.....	1		
Vilna—				
Disna.....	June 13.....	1		On the Duna.
Vitebsk—				
Lepel district.....	June 19.....	1	1	
Voronesch.....	Apr. 28.....	2	1	
Yeketerinislav.....	July 8.....	1		
Zarizyn.....	July 12-15.....	1	1	
Siam:				
Bangkok.....	Apr. 16-June 10.....	701	701	
Spain:				
Tarragona.....	Aug. 30.....			In vicinity.
Straits Settlements:				
Penang.....	May 7-July 15.....	7	10	
Singapore.....	May 7-July 8.....	50	54	
Tunis:				
Tunis.....	Aug. 1-7.....		6	
Turkey:				
Constantinople.....	May 21-Aug. 14.....	624	332	And vicinity.
Turkey in Asia:				
Alatsham.....	June 19.....	2		
Amara.....	June 21.....			Present.
Bagdad Vilayet.....	May 29-July 30.....	124	114	New outbreak.
Basra.....	July 17-Aug. 9.....	132	91	Aug. 9, 1 case, s. s. Budrie.
Beirut.....	Aug. 21.....			Present among pilgrims.
Ezra's Tomb.....	June 17.....	6		70 miles from Basra.
Fogheri.....	July 26.....	2	1	In the Gulf of Smyrna.
Kambaran.....	May 28-June 4.....	2	1	Among troops.
Samsun.....	May 29-July 30.....	225	204	And district.
Smyrna.....	do.....	221	140	
Zonguldak.....	July 1-30.....	21	11	And vicinity.
At sea.....	June 23.....	1	1	On s. s. Goeben, bound from Southampton for Suez. Case developed one day after leaving Naples.
Do.....	July 25.....			One case from s. s. Zar Nicolaus from Algiers.

YELLOW FEVER.

Brazil:				
Manaos.....	June 4-July 29.....		8	Aug. 31, 2 cases.
Para.....	June 21-July 15.....	3		Sept. 5, 1 case.
Pernambuco.....	June 15-30.....		2	Sept. 4, present.
Bissagos Islands:				
Bulama.....	May 27.....			Present.
British Gold Coast:				
Accra.....	May 23-27.....	3		Among natives.
Ecuador:				
Babahoyo.....	July 16-31.....	1	1	
Calaroma.....	do.....	1	1	
Guayaquil.....	June 1-July 31.....	23	8	
Milagro.....	do.....	16	13	
Naranjito.....	July 1-15.....	2		
Yaguachi.....	June 16-July 15.....	1	1	
Gambia:				
Bathurst.....	May 23-27.....	5	2	Among Europeans.
Mexico:				
Merida.....	Aug. 8-31.....	11	5	
Venezuela:				
Caracas.....	July 1-29.....	7	1	
Maiquetia.....	July 22.....	2		

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

Reports Received from July 1 to Sept. 1, 1911.

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Maskat.....	May 21-June 15...	4	2	
Brazil:				
Para.....	July 2-29.....	2	1	Aug. 4, 1 fatal case.
Pernambuco.....	June 15-30.....	1	1	Sept. 4, present.
Rio de Janeiro.....	July 16-29.....	2		Aug. 28, 4 cases.
British East Africa:				
Kismayu.....	Apr. 24-July 22.....	49	32	
Nairobi.....	May 27-July 22.....	33	18	
Port Florence.....	Apr. 26.....	1	1	
Chile:				
Arica.....	June 12-July 28.....	4	3	
Iquique.....	May 14-July 29.....	20	10	
China:				
Amoy.....	May 21-July 1.....		18	To May 28: Cases, 61; July 8, present in the district. July 17, 2 deaths.
Kulangsu.....	June 17-July 22.....		5	
Canton.....	May 31.....			Present.
Hongkong.....	May 14-July 15.....	179	130	
Shanghai.....	May 14-27.....	3		In vicinity.
Swatow.....	May 21-July 22.....			Still present in the district. May 21-June 2, epidemic in Chao-chow-fu. Hwellai, Kit-yang, and in Chao-Yang Jan. 1-June 30, 6,000 deaths.
Ecuador:				
Guayaquill.....	June 1-July 31.....	19	5	
Egypt:				
Alexandria.....	May 31-July 26.....	38	18	
Cairo.....	Feb. 12-May 31.....	1	1	
Port Said.....	May 27-Aug. 1.....	23	9	On s. s. Yeddo, bound for Calcutta from New York, via Naples and Torreveja, Spain.
Provinces—				
Assiout.....	May 31-July 9.....	7	5	
Beni Souef.....	May 23-July 20.....	3	1	
Dakahlieh.....	May 29-June 11.....	2	1	
Favoum.....	May 28-June 17.....	8	5	
Galloubeh.....	June 1-28.....	1		
Girgeh.....	Apr. 19-July 7.....	5	4	
Kena.....	May 30-June 12.....	5	5	
Minieh.....	June 1-July 27.....	29	11	
India:				
Bahrein Island.....	May 15-July 16.....		1,720	In Persian Gulf.
Bombay.....	May 21-July 22.....	468	422	
Calcutta.....	May 7-July 8.....		507	
Kurrachee.....	May 28-July 22.....	181	180	
Rangoon.....	May 1-June 30.....	587	558	
Bombay Presidency and Sind.....	May 7-July 1.....	5,426	4,162	
Madras Presidency.....	do.....	369	269	
Bengal.....	do.....	2,188	1,985	
United Provinces.....	do.....	17,845	17,311	
Punjab.....	do.....	59,625	52,245	
Burma.....	do.....	1,121	1,047	
Central Provinces.....	do.....	61	61	
Mysore State.....	do.....	831	576	
Hyderabad State.....	do.....	5	9	
Central India.....	do.....	82	65	
Rajputana and Ajmere.....	do.....	1,580	1,395	
Merwara.....	do.....			
Kashmir.....	do.....	624	425	
North West Province.....	do.....	110	79	
Grand total.....		89,767	79,629	
Indo-China:				
Saigon.....	May 15-July 9.....	255	83	
Japan:				
Formosa.....	May 21-July 1.....	115	106	In Kagi Province from Jan. 1-June 15: Cases 355, including report, p. 1047, vol. 1.
Java:				
Madloen.....	June 1.....	1		
Paseroean Residency.....	May 14-July 8.....	368	153	
Surabaya.....	Apr. 30-May 18.....	21	4	

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

Reports Received from July 1 to Sept. 1, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Mauritius.....	Mar. 1-Apr. 27....	8	4	
Morocco:				
Masagan.....	July 13.....			Present among the Doukala, 5 hours distant.
New Zealand:				
Auckland.....	May 1-8.....	5		Total since Mar. 21: Cases 8, deaths 1.
Paraguay:				
Asuncion.....	Aug. 1-9.....		8	Present.
Persia:				
Buchir.....	May 14-June 25...	94	80	
Lingah.....	May 18-28.....	7		From Debal, on opposite Arabian coast.
Peru:				
Departments—				
Ancachs.....	Apr. 30-June 17...	9	2	
Arequipa.....	do.....	15	3	Apr. 23-30, 5 cases, 1 death.
Cajamarca.....	do.....			Apr. 23-30, 7 cases, 1 death.
Callao.....	do.....	4	1	Apr. 23-30, 1 case, 1 death; July 24, 3 cases, 1 death.
Chiclayo.....	do.....	12	4	
Lambayeque.....	Apr. 30-June 3....	2	2	Apr. 23-30, 22 cases, 10 deaths.
Libertad.....	Apr. 30-July 1....	13	6	Apr. 23-30, 3 cases.
Lima.....	do.....	40	14	Apr. 23-30, 5 cases, 2 deaths.
Pacasmayo.....	Apr. 30-June 3....	3	2	
Philippine Islands.....				First quarter, 1911: Manila, no cases; Provinces, no cases.
Mariveles quarantine station.	May 25-26.....	1	1	From s. s. Taisang from Amoy.
Russia:				
Odessa.....	June 18-Aug. 8....	8	2	
Astrakhan Government—				
Ujaly.....	July 3.....			Present.
Saraltschin.....	June 18-24.....	3	3	
Kirghis Steppe—				
Kjubekudik.....	July 15.....	5	4	Pneumonic.
Naryma.....	June 24.....	4	4	
Siam:				
Bangkok.....	Apr. 16-June 10...	28	28	
Straits Settlements:				
Singapore.....	May 21-June 17...	2	2	
Turkey in Asia:				
Adalla.....	July 7-30.....	3		
Basra.....	May 21-31.....	4	2	
Beirut.....	Aug. 21.....			Present among pilgrims.
Venezuela:				
Caracas.....	May 29-July 29....	3		

SMALLPOX.

Algeria:				
Departments—				
Algiers.....	Mar. 1-May 31....	7		
Constantine.....	do.....	74		
Arabia:				
Aden.....	Apr. 11-July 18....	205	7	And vicinity.
Argentina:				
Buenos Aires.....	Apr. 1-30.....		21	
Rosario.....	Apr. 1-May 31....		75	
Austria-Hungary:				
Bohemia.....	May 28-June 17....	5		
Galicia.....	May 28-July 15....	3		
Brazil:				
Ceara.....	June 1-30.....		1	
Para.....	June 25-Aug. 5....	7	2	
Pernambuco.....	June 1-30.....		204	
Rio de Janeiro.....	May 28-July 29....	11	1	
Canada:				
British Columbia—				
Vancouver.....	July 9-23.....	2		
Victoria.....	May 1-31.....	10		
Manitoba—				
Fort Alexander.....	July 8.....	19		Among Indians.
Lac du Bonnet.....	do.....	1		
Point du Bois.....	do.....			Epidemic.
Selkirk.....	do.....	1		From Mapleton.
Winnipeg.....	July 23-29.....	1		

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

Reports Received from July 1 to Sept. 1, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
New Brunswick—				
Newcastle.....	July 15-Aug. 5.....			Present in vicinity.
Ontario—				
Ottawa.....	June 11-Aug. 12... ..	23		
Nova Scotia—				
Halifax.....	May 23-July 8.....	2		
Prince Edward Island—				
Charlottetown.....	June 14-20.....	1		
Quebec—				
Montreal.....	July 9-29.....	2		
Quebec.....	June 18-Aug. 12... ..	8		
Yukon—				
Dawson.....	June 4-July 1.....	15		
Ceylon:				
Colombo.....	May 21-July 22.....	21		
Chile:				
Caldera.....	June 24.....	2	1	
Talcahuano.....	June 27-July 29.....	39	10	
Valparaiso.....	June 24-July 8.....	118		
China:				
Chungking.....	May 28-July 8.....			Present.
Hongkong.....	May 21-July 5.....	19	13	
Nanking.....	May 28-Aug. 12.....			Do.
Shanghai.....	May 24-July 16.....	2	8	Deaths among natives.
Swatow.....	May 28-July 22.....			Present in the district.
Colombia:				
Cartagena.....	May 22-July 9.....			Present.
Egypt:				
Alexandria.....	Apr. 1-June 30.....	59	31	
Cairo.....	May 22-July 22.....	9	3	
Port Said.....	May 29-July 15.....	14	12	
France:				
Havre.....	July 16-22.....	1	1	
Paris.....	June 18-29.....	5		
Germany.....				Total for Germany, June 4-Aug.
Bremen.....	July 9-15.....	1		12: Cases, 19.
Gibraltar.....	June 4-11.....	1		
Great Britain:				
Birmingham.....	July 2-15.....	1	1	
Dundee.....	June 11-Aug. 12.....	10	3	
Liverpool.....	June 18-July 8.....	2		
London.....	June 4-24.....	13		
Plymouth.....	July 2-8.....		1	
Sheffield.....	June 18-24.....		1	
India:				
Bombay.....	May 21-July 22.....	92	69	
Calcutta.....	May 7-June 24.....		6	
Madras.....	May 21-July 22.....	80	31	
Rangoon.....	May 1-June 30.....	301	152	
Indo-China:				
Saigon.....	May 15-July 9.....	85	30	
Italy:				
Catania.....	July 19-Aug. 12.....		4	
Naples.....	June 11-Aug. 5.....	41	8	
Palermo.....	June 4-Aug. 5.....	201	111	
Japan:				
Yokohama.....	June 13-19.....	1		
Java:				
Batavia.....	July 2-15.....	7	3	
Mexico:				
Chihuahua.....	June 28-Aug. 13.....	15	6	
Ciudad Juarez.....	July 9-29.....	4		
Ciudad Porfirio Diaz.....	July 23-Aug. 19.....	6	6	
Frontera.....	June 19-24.....	1		
Guadalajara.....	June 18-24.....		1	
Mazatlan.....	Aug. 6-19.....	12		
Mexico.....	May 21-July 22.....		117	
San Juan Bautista.....	June 17-July 15.....			Present and in vicinity.
San Luis Potosi.....	June 4-July 29.....	12	14	
Tampico.....	June 11-July 10.....		4	
Peru:				
Salaverry.....	Aug. 1-7.....			Present.
Philippine Islands.....				First quarter, 1911, Manila: Cases 93, deaths 0.

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

Reports Received from July 1 to Sept. 1, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Portugal:				
Lisbon.....	June 4-Aug. 5.....	70		May 7-20, deaths 3.
Porto Rico:				
Ponce.....	Apr. 1-30.....		1	
Portuguese East Africa:				
Lourenço Marquez.....	do.....		1	
Russia:				
Batoum.....	May 1-June 30.....	3		
Libau.....	June 5-July 2.....	11	1	July 16, 1 death.
Moscow.....	May 28-July 29.....	127	60	
Odessa.....	May 27-Aug. 5.....	5		
Reval.....	May 1-31.....	5		
Riga.....	May 27-July 8.....	14		Apr. 1-May 31, deaths 14.
St. Petersburg.....	May 21-Aug. 5.....	139	26	
Warsaw.....	Apr. 2-June 3.....	31	16	
Windau.....	June 25-July 1.....			Present.
Siam:				
Bangkok.....	Apr. 16-July 14.....	48	37	
Siberia:				
Omsk.....	May 29-July 14.....	3		
Vladivostok.....	May 14-June 30.....	12	5	
South Africa:				
Port Elizabeth.....	May 21-27.....	1		
South Australia:				
Adelaide.....	Apr. 15.....			1 case from Colombo on s. s. Mooltan.
Spain:				
Barcelona.....	May 6-17.....		4	
Madrid.....	June 1-30.....		1	
Seville.....	June 1-July 31.....		3	
Valencia.....	June 4-Aug. 5.....	32	7	
Straits Settlements:				
Penang.....	Apr. 30-May 27.....	2		
Singapore.....	May 7-July 8.....	95	31	
Switzerland:				
Ticino, canton.....	May 28-June 3.....	1		
Turkey:				
Constantinople.....	June 4-Aug. 6.....		6	
Turkey in Asia:				
Beirut.....	May 27-Aug. 5.....	38	2	
Kharput.....	May 21-June 10.....	34	3	
Uruguay:				
Montevideo.....	Apr. 1-May 31.....	34	9	
Zanzibar:				
Zanzibar.....	May 15-July 23.....	20	12	
At sea.....	May 15.....	1		On s. s. Narrung; vessel quarantined at Adelaide, Melbourne, and Sydney.

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.....	Aug. 5	163,084	34								2		1	
Amoy.....	July 15	200,000	6		1									
Asuncion.....	July 22	75,000	20	4						1				
Birmingham.....	Aug. 19	526,030	249								2			
Bremen.....	Aug. 12	246,860	110	7						1		1		4
Amsterdam.....	Aug. 19	577,188	137	18						1			3	1
Antwerp.....	Aug. 5	327,668	93	6						1	1		3	
Athens.....	July 15	250,010	62	17						1				
Barcelona.....	Aug. 19	591,272	210	16						3		1	2	
Barranquilla.....	Aug. 12	40,000	20	1						1				
Batavia.....	July 22	217,630	25			4	1							
Basra.....	July 29	20,000				18								
Belgrade.....	do.	90,060	40									1		
Do.....	Aug. 5		32											
Belfast.....	Aug. 12	386,449	121	12						1	1		1	
Beirut.....	do.	80,000	25	2						5				
Bombay.....	July 28	977,822	552	39	21			3					1	
Bordeaux.....	Aug. 19	253,000	110	9						1				
Bradford.....	Aug. 12	288,723	101	6						2		1		1
Brussels.....	do.	739,684	226	23						2	1		1	
Budapest.....	Aug. 5	950,610								7	8	5	7	
Catania.....	do.	220,000	138	5		77		1						
Do.....	Aug. 12		128	2		82		1				1		
Chemnitz.....	do.	294,930		5				1					2	1
Ciudad Juarez.....	Aug. 26	6,500	12	2			1							
Ciudad Porfirio.....	Aug. 26	16,000	6	1			1							
Cologne.....	Aug. 12	520,428	395	17								2	7	12
Constantinople.....	Aug. 13	1,000,000	385	39		68				11	1		3	
Copenhagen.....	Aug. 5	462,000	123	12						1				3
Colombo.....	July 22	213,974	153	13		1				13				
Dublin.....	Aug. 5	403,732	153	25					2		1			4
Do.....	Aug. 12		169	18						2	3		2	1
Edinburgh.....	do.	320,829	75	9								1		
Georgetown.....	Aug. 5	315,000	50	7						1				
Erturt.....	Aug. 12	124,064	76	2								3	1	
Ghent.....	Aug. 5	165,965	97	6								2		1
Do.....	Aug. 12		105	6										
Glasgow.....	Aug. 18	784,655	229							1	1		4	5
Gothenberg.....	Aug. 12	168,000	34	6						1		2		
Guadalajara.....	Aug. 19	119,468	87				2							
Liverpool.....	do.	747,627	390	21							2	1	6	4
Palermo.....	Aug. 12	340,000	233	12			28			7		1		
Yokahama.....	Aug. 7	419,630									1			

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

AUSTRALIA—*Newcastle*.—Month of June, 1911. Population, 65,500. Total number of deaths from all causes 50, including diphtheria 2, scarlet fever 1, tuberculosis 5.

BRAZIL—*Bahia*.—Month of April, 1911. Population, 286,000. Total number of deaths from all causes 441, including measles 1, plague 2, smallpox 1, tuberculosis 55, typhoid fever 3.

Ceara.—Month of June, 1911. Population, 55,000. Total number of deaths from all causes 134, including smallpox 1, tuberculosis 14, typhoid fever 9.

Pernambuco.—Two weeks ended June 30, 1911. Population, 210,000. Total number of deaths from all causes 462, including

plague 1, yellow fever 2, smallpox 118, tuberculosis 51, typhoid fever 1.

CANADA—*Vancouver*.—Month of July, 1911. Population, 100,000. Total number of deaths from all causes 90, including diphtheria 4, tuberculosis 15.

CHILE—*Punta Arenas*.—Month of June, 1911. Population, 12,000. Total number of deaths from all causes 34, including smallpox 1, tuberculosis 3.

EGYPT—*Alexandria*.—Month of June, 1911. Population 420,000. Total number of deaths from all causes 1,195, including diphtheria 13, measles 4, plague 8, smallpox 4, typhoid fever 14, typhus fever 1.

FRANCE—*Roubaix*.—Month of July, 1911. Population 122,154. Total number of deaths from all causes 177, including tuberculosis 21.

St. Etienne.—Two weeks ended July 31, 1911. Population 150,000. Total number of deaths from all causes 132, including diphtheria 1, measles 2, scarlet fever 1, tuberculosis 19, typhoid fever 3.

GREAT BRITAIN.—Week ended August 12, 1911:

England.—The deaths registered in 77 great towns correspond to an annual rate of 18.6 per 1,000 of the population, which is estimated at 16,157,797.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 17.1 per 1,000 of the population, which is estimated at 1,149,495. The lowest rate was recorded at Drogheda, viz, 4.2, and the highest at Kilkenny, viz, 39.7 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 14.4 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Edinburgh, viz, 12.2, and the highest at Greenock, viz, 21.5 per 1,000. The total number of deaths from all causes was 471, including diphtheria 5, measles 11, scarlet fever 1, typhoid fever 2.

ITALY—*Messina*.—Month of July, 1911. Population 93,672. Total number of deaths from all causes 146, including diphtheria 1, measles 2, cholera 2, tuberculosis 10, typhus fever 1.

RUSSIA—*Riga*.—Month of May, 1911. Population 355,000. Total number of deaths from all causes 660, including diphtheria 6, measles 1, scarlet fever 11, smallpox 4, tuberculosis 109, typhoid fever 7.

SPAIN—*Cadiz*.—Month of July, 1911. Population 67,306. Total number of deaths from all causes 175, including tuberculosis 27, typhus fever 3.

TASMANIA—*Hobart*.—Month of June, 1911. Population 184,586. Total number of deaths from all causes 254, including diphtheria 2, tuberculosis 7.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.