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FEBRUARY 25, 1910.

No. 8.

FOURTH INTERNATIONAL SANITARY CONFERENCE OF THE AMERICAN REPUBLICS.

[Held at San Jose, Costa Rica, December 25, 1909, to January 3, 1910.]

By R. H. VON EZDORF, Passed Assistant Surgeon, United States Public Health and Marine-Hospital Service.

The following-named republics were represented at the conference by a total of 19 delegates: Chile, Colombia, Costa Rica, Cuba, Guatemala, Honduras, Mexico, Nicaragua, Panama, Salvador, United States of America, and Venezuela. In addition, the Bureau of American Republics also sent a representative.

Dr. Juan J. Ulloa was president of the conference, with Dr. Luis Razette, Spanish secretary, and Dr. R. H. von Ezdorf, English secretary.

The inaugural session was held at the National Theater December 25, 1909, at 3 p. m., and was attended by the President of the Republic of Costa Rica, Licenciado Don Cleto Gonzalez Viquez, his cabinet, and the chief justice of the supreme court.

An address of welcome was made by the minister of foreign affairs, Don Ricardo Fernandez Guardia, followed by that of the president of the convention, Dr. J. J. Ulloa. Short addresses were also made by a delegate on behalf of each republic represented.

Following the order of the programme established at previous conferences, the appointment of vice-presidents was made, committees were named, and two secretaries for the convention were chosen. The succeeding sessions, beginning December 27, 1909, and ending January 3, 1910, were held at the hall of Congress.

The provisional programme was as follows:

1. Reports presented by different delegates in regard to the sanitary regulations and laws adopted and in force in their respective countries since the last meeting.
2. Special report by each official delegate regarding the manner in which the resolutions adopted in the three previous conventions have been put into practice in their respective countries.
3. Reports in regard to sanitary conditions in ports, and measures proposed for the improvement of such sanitary conditions (with special reference to the principal ports).
4. Reports relating to the registration of the movement of population and the rate of mortality in each country, specifying those of ports and principal cities.
5. Sanitation of cities and especially of ports.
6. Measures for the protection of passengers embarking in vessels from infected ports.
7. Discussion of measures against the introduction of diseases not included in the convention of Washington of 1905.
8. Sanitary models or forms to be adopted by nations forming part of this convention.
9. Discussion on sanitary measures relating to yellow fever, bubonic plague, tuberculosis, malaria, and other diseases, in conformity to new discoveries or experiences.
10. Discussion on measures relating to venereal diseases. (Omitted from final programme.)

11. Discussion on the necessity of the adoption, by the European nations, of the convention of Washington and other sanitary measures subsequently adopted by this convention with respect to such colonies as they have in America.

12. Discussion on new discoveries with respect to the transmission of yellow fever and malaria, besides the mosquito bite.

13. Organization in each country represented at this convention, of a commission of three physicians or health officers to act as delegates of the International Sanitary Bureaus of Washington or Montevideo, and to form part of the International Sanitary Information Committee of the American Republics.

The delegates of each country taking part at this convention, reported active progress with regard to sanitation in their respective countries, and showed an active interest in the matters under discussion at this convention.

RESOLUTIONS.

The following resolutions, approved by the executive committee, were adopted by the conference:

I.

With respect to bilharziosis, hydrophobia, leprosy, typhus fever, ankylostomiasis, etc., this committee suggests that recommendations be limited to requesting the various governments to take those measures of protection which they believe necessary.

II.

(a) To recommend especially to the various governments that they employ all possible means at their disposal to secure the effective sanitation of seaports to the end that the introduction of plague, cholera, and yellow fever, may be prevented, and in the event that a case of either of these diseases reaches a port, that it be promptly isolated, and measures taken to prevent its spread.

(b) To recommend special ordinances for the proper construction of rat-proof buildings, especially those designed for the storage of food stuffs such as markets, granaries, abattoirs, stables, etc.

(c) To make obligatory the use of galvanized-iron garbage cans with tight-fitting covers, for the reception of refuse from houses, and to arrange for the daily disposal of such refuse.

(d) That properly equipped laboratories be provided at all seaports where the periodical examination of rats may be made so that plague can be apprehended before its appearance in human beings.

(e) That the crusade against the mosquitoes, *Stegomyia calopus* and *Anopheles*, be carried on vigorously along lines which have been shown to bring the best results.

III.

(a) That careful statistics on population, morbidity, and mortality, be kept at every port, such data to be compiled at regular intervals of not more than one month, and also annually.

(b) Every port should be provided with a proper system of sewerage, an adequate supply of pure water, and paved streets.

(c) That all habitations be constructed with a view to furnishing fresh air and sunlight sufficient to maintain the health and vigor of

the inmates, and that the character of the construction shall conform to local conditions.

(d) That in every port there shall be a sanitary authority clothed with ample power to vigorously enforce sanitary ordinances.

(e) That it be made obligatory in schools to furnish instruction in the elementary principles of hygiene and sanitation. This instruction should be objective, or by means of the publication of simple rules, or both.

IV.

(a) That it is the duty of owners and masters of vessels to rid their vessels of rats and to use all possible means to keep them free therefrom.

(b) That this should be accomplished by the periodical fumigation of holds of vessels with sulphur gas, at periods of from three to six months, and at times when advantage may be taken of the vessels being free from cargo or laid up for repairs; and at all other times vigilance should be exercised by the masters for the destruction of rats by such other means as they may deem most effective.

V.

(a) That no person be allowed to embark who is suffering from a quarantinable disease, or from scarlet fever, measles, diphtheria, or any other communicable disease.

(b) For permitting the embarkation of passengers and crew who have been presumably exposed to infection where the above-mentioned diseases exist, there should be observed at the port of embarkation the following requirements:

1. Cholera, 5 days' observation or surveillance; disinfection of baggage.
2. Smallpox in epidemic form, vaccination or other evidence of immunity.
3. Typhus fever in epidemic form, 12 days' detention or observation; disinfection of baggage.
4. Plague, 7 days' detention or surveillance; disinfection of baggage.
5. Yellow fever, 6 days' detention or surveillance; or immunity.

(c) Thorough cleaning of all portions of the vessel, and prompt isolation of all cases of sickness which may occur on board.

VI.

Your executive committee recommends that Article IX of the convention of Washington be interpreted as follows:

ARTICLE IX. In order that a locality be considered free of contagion it will be necessary to furnish official proof to the satisfaction of the interested party:

First. That there have been no deaths nor new cases of plague or cholera for 5 days, after the isolation, death, or discharge of the last case of plague or cholera; in the case of yellow fever the period shall be 18 days, but each government reserves the right to prolong this period against those countries where the measures for the isolation of cases, the destruction of mosquitoes, and the disinfection of foci, are not observed.

Second. That all measures of disinfection have been applied, and in treating of plague cases that there have been carried out all measures for the destruction of rats; and in the case of yellow fever that the proper measures have been taken against mosquitoes.

VII.

To recommend that the Fifth International Sanitary Convention determine what constitutes immunity from yellow fever.

VIII.

To recommend to the Governments here represented the great importance of distributing, in all possible ways, instructions as to the best measures by which people may protect themselves against malaria and tuberculosis, especially by the publication of rules to control these diseases, and by making it obligatory on the part of employers of labor to supply such rules and to require their observance by their employees.

IX.

That the countries here represented adopt the models of sanitary documents herewith presented.^a

X.

To recommend to the governments represented that for future sanitary conferences there be nominated delegates who have assisted at previous conferences; and when the delegations are composed of more than one member, that one of them shall have assisted at a previous conference, or that in any case the delegates shall be sanitary authorities in their respective countries.

XI.

To request of the Bureau of Information of Montevideo to forward a report to the International Sanitary Bureau at Washington of its transactions since the Third International Sanitary Conference.

XII.

With the object of perfecting the knowledge of infectious diseases in the Tropics and to give to tropical medicine the scientific basis now held by the most advanced nations, this conference requests of the governments of the American Republics that wherever these elements of progress are lacking they encourage every project tending to provide special information on parasitology and on pathological anatomy.

XIII.

To request also of the governments of the American Republics that they favor the establishment in seaports and important cities of laboratories where not only diagnoses may be made in order to comply with the requirements contained in the resolutions of our sanitary conventions, but where also original investigations in tropical medicine and general pathology can be made along lines which the sanitary authorities deem practicable.

^a The documents referred to were bills of health.

COMMITTEES FOR INTERNATIONAL SANITARY INFORMATION.

Under the provisions of the programme, each country represented reported the names of its committee of three physicians or health officers to convey sanitary information to the international sanitary bureau at Washington or to the bureau of sanitary information at Montevideo as follows:

Colombia: Dr. J. M. Lombana Barreneche, Dr. Ricardo Amaya Arias, Dr. Juan David Herrera.

Chile: Dr. Ricardo Davila Boza, Dr. Julio Cordova, Dr. Pedro Lautan Ferrer.

Costa Rica: Dr. Carlos Duran, Dr. Elias Rojas, Dr. Jose Maria Soto A.

Cuba: Dr. Juan Guiteras, Dr. Enrique B. Barnet, Dr. Aristides Agramonte.

Guatemala: Dr. Salvador Ortega, Dr. Juan J. Ortega, Dr. Jose Azurdia.

Honduras: Dr. Jose M. Ochoa Velasquez, Dr. Ignacio Castro, Dr. Juan Angel Arias.

Mexico: Dr. Eduardo Liceaga, Dr. Jesus Monjarraz, Dr. Nicolas Ramirez de Arellano.

Nicaragua: Dr. Luis H. Debayle, Dr. Rodolfo Espinoza, Dr. Juan B. Sacaza.

Panama: Dr. Ciro Luis Urriola, Dr. Alfonso Preciado, Dr. Augusto S. Boyd.

Salvador: Dr. Tomas G. Palomo, Dr. Francisco Guevara, Dr. Rafael V. Castro.

United States of America: Dr. A. H. Glennan, Dr. J. W. Kerr, Dr. John W. Trask.

Venezuela: Dr. Pablo Acosta Ortiz, Dr. Carlos Manuel Cabado, Dr. Luis Razetti.

Santiago de Chile was chosen as the place of meeting for the next conference, to be held two years hence.

Dr. Maximo Cienfuegos, president of the superior board of hygiene of Chile, was elected president. The officers elected for the International Sanitary Bureau at Washington were as follows:

President, Surgeon-General Walter Wyman, Public Health and Marine-Hospital Service; secretary, Dr. Juan J. Ulloa, Costa Rica. Members: Dr. Eduardo Liceaga, Mexico; Dr. Pablo Acosta Ortiz, Venezuela; Dr. Rhett Goode, United States; Dr. Juan Guiteras, Cuba; Dr. Manuel Camilo Vial, Chile.

The social features during this conference included a dinner given to the delegates of the convention by the President of the Republic; a reception by the secretary of foreign affairs; a reception by the Mexican chargé d'affaires; a ball at the National Theater in honor of the delegates; a visit to the San Juan de Dios Hospital, the Chapui Asylum, the Lyceum of Costa Rica, the library building, the penitentiary, a coffee plant in San Jose, and drives about the city.

The delegates were made the guests of the nation during their stay in San Jose, where two buildings were fitted up for their accommodation.

UNITED STATES.

REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

. PLAGUE-PREVENTION WORK.

Infected Rodents.

On February 4, 2 plague-infected ground squirrels were found in Alameda County, Cal., and on February 8 a plague-infected rat was found in Seattle, Wash.

Passed Assistant Surgeon McCoy reports:

SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last case of rodent plague trapped October 23, 1908. Total number of rats found infected to date, 398.

Weekended February 5, 1910. Sick inspected, 4. Premises inspected, 1,031. Houses destroyed, 12. Nuisances abated, 102. Poisons placed, 7,125. Rats trapped, 1,707. Rats found dead, 35. Rats identified, 1,742, as follows: *Mus norvegicus*, 1,262; *Mus rattus*, 79; *Mus musculus*, 319; *Mus alexandrinus*, 82. Rats examined bacteriologically, 1,423. No plague-infected rats found.

OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last plague-infected rodent was found December 1, 1908.

Weekended February 5, 1910. Rats found dead, 11. Rats trapped, 480. Rats identified, 591, as follows: *Mus norvegicus*, 459; *Mus rattus*, 16; *Mus musculus*, 108; *Mus alexandrinus*, 8. Rats examined bacteriologically, 483. No plague infection found.

ALAMEDA COUNTY, CAL. (exclusive of Oakland).

Last case of human plague sickened 2 miles southwest of Sunol, September 26, 1909. Last plague-infected rodent found February 4, 1910. To the present time 62 ground squirrels and 1 wood rat have been found infected.

Week ended February 5. Ranches inspected, 12. Ground squirrels shot, 2. Ground squirrels found dead, 19. Acres covered with poison, 301. Examined bacteriologically 21 ground squirrels, of which 2 were found infected.

The plague-infected squirrels were found February 4 in vicinity of North Brae car line.

CONTRA COSTA COUNTY, CAL.

Last case of human plague sickened July 21, 1908. Last plague-infected rodent found January 15, 1910. Total number of ground squirrels found infected to date, 242.

Week ended February 5. Ranches inspected, 7. Ground squirrels trapped, 14. Rabbits trapped, 2. Examined bacteriologically, 14 ground squirrels and 2 rabbits. No plague infection found.

FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County.

Week ended February 5. Ranches inspected, 31. Ground squirrels shot, 560. Ground squirrels trapped, 1. Ground squirrels examined bacteriologically, 558. No plague-infected squirrels found.

MARIPOSA COUNTY, CAL.

There is no record of human or rodent plague in Mariposa County.

Week ended February 5. Ranches inspected, 9. Ground squirrels shot, 112. Ground squirrels trapped, 1. Ground squirrels examined bacteriologically, 110. No plague-infected squirrels found.

MERCED COUNTY, CAL.

There is no record of human or rodent plague in Merced County.

Week ended February 5. Ranches inspected, 15. Ground squirrels shot, 249. Rabbits shot, 8. Examined bacteriologically 249 squirrels and 8 rabbits. No plague-infection found.

MONTEREY COUNTY, CAL.

There is no record of human or rodent plague in Monterey County.

Week ended February 5. Ranches inspected, 35. Ground squirrels shot, 347. Rabbits shot, 1. Ground squirrels found dead, 6. Ground squirrels trapped, 7. Examined bacteriologically 360 squirrels and 1 rabbit. No plague-infection found.

SAN JOAQUIN COUNTY, CAL.

There is no record of human or rodent plague in San Joaquin County.

Week ended February 5. Ranches inspected, 17. Ground squirrels shot, 42. Ground squirrels found dead, 1. Ground squirrels trapped, 4. Ground squirrels examined bacteriologically, 43. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL.

There is no record of human or rodent plague in San Luis Obispo County.

Week ended February 5. Ranches inspected, 29. Ground squirrels shot, 292. Ground squirrels found dead, 6. Ground squirrels examined bacteriologically, 296. No plague-infected squirrels found.

SAN MATEO COUNTY, CAL.

There is no record of human or rodent plague in San Mateo County.

Week ended February 5. Ranches inspected, 9. Ground squirrels shot, 60. Ground squirrels examined bacteriologically, 57. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

There is no record of human or rodent plague in Santa Barbara County.

Week ended February 5. Ranches inspected, 24. Ground squirrels shot, 255. Ground squirrels trapped, 12. Ground squirrels examined bacteriologically, 266. No plague-infected squirrels found.

SANTA CLARA COUNTY, CAL.

There is no record of human plague in Santa Clara County. The last plague-infected rodent was found November 3, 1909. Total number of ground squirrels found infected to date, 9.

Week ended February 5. Ranches inspected, 4. Ground squirrels shot, 39. Ground squirrels examined bacteriologically, 39. No plague-infected squirrels found.

SANTA CRUZ COUNTY, CAL.

There is no record of human plague in Santa Cruz County. The last plague-infected ground squirrel was found November 6, 1909. No other plague-infected squirrel has been found in Santa Cruz County.

Week ended February 5. Ranches inspected, 17. Ground squirrels shot, 39. Ground squirrels trapped, 14. Ground squirrels examined bacteriologically, 39. No plague-infected squirrels found.

TULARE COUNTY, CAL.

There is no record of human or rodent plague in Tulare County.

Week ended February 5. Ranches inspected, 36. Ground squirrels shot, 370. Ground squirrels found dead, 2; trapped, 10. Rabbits shot, 8. Examined bacteriologically, 375 squirrels and 8 rabbits. No plague-infection found.

VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County.

Week ended February 5. Ranches inspected, 7. Ground squirrels shot, 292. Field mice trapped, 1. Examined bacteriologically, 287 squirrels and 1 field mouse. No plague-infection found.

SEATTLE, WASH.

Passed Assistant Surgeon Glover reports:

No case of human plague since October 30, 1907. The last plague-infected rat was found February 8, 1910. Total plague-infected rats found to date, 22.

Week ended February 5. Rats received, 890. Rats necropsied, 763. No plague-infected rats found.

February 8 a plague-infected rat was found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Feb. 6-12.....	8		
Mobile.....	Jan. 30-Feb. 5.....	1		
Montgomery.....	Feb. 6-12.....	37		
California:				
Los Angeles.....	Jan. 30-Feb. 5.....	1		
San Francisco.....	Jan. 30-Feb. 5.....	2		
District of Columbia.....	Feb. 6-12.....	4		
Florida:				
Escambia County.....	Feb. 6-12.....	15		
Indiana:				
Allen County.....	Jan. 1-31.....	24		
Carroll County.....	Jan. 1-31.....	1		
Clark County.....	Jan. 1-31.....	1		
Clinton County.....	Jan. 1-31.....	24		
Crawford County.....	Jan. 1-31.....	1		
Davless County.....	Jan. 1-31.....	20		
Decatur County.....	Jan. 1-31.....	3		
Dekalb County.....	Jan. 1-31.....	1		
Fountain County.....	Jan. 1-31.....	1		
Fulton County.....	Jan. 1-31.....	4		
Grant County.....	Jan. 1-31.....	7		
Hamilton County.....	Jan. 1-31.....	4		
Henry County.....	Jan. 1-31.....	2		
Huntington County.....	Jan. 1-31.....	1		
Jennings County.....	Jan. 1-31.....	6		
Madison County.....	Jan. 1-31.....	3		
Marion County.....	Jan. 1-31.....	2		
Marshall County.....	Jan. 1-31.....	40		
Martin County.....	Jan. 1-31.....	1		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Jan. 1-31.....	2		
Shelby County.....	Jan. 1-31.....	32		
St. Joseph County.....	Jan. 1-31.....	4		
Tippecanoe County.....	Jan. 1-31.....	2		
Washington County.....	Jan. 1-31.....	1		
Louisiana:				
New Orleans.....	Feb. 5-11.....	13		
Minnesota:				
Chippewa County.....	Jan. 11-17.....	1		
Cook County.....	Jan. 25-31.....	2		
Dodge County.....	Jan. 25-31.....	1		
Freeborn County.....	Jan. 18-31.....	3		
Hennepin County.....	Jan. 18-31.....	2		
Lake County.....	Jan. 18-31.....	6		
Mower County.....	Jan. 11-31.....	13		
Nobles County.....	Jan. 18-25.....	1		
Norman County.....	Jan. 18-25.....	2		
Ottertail County.....	Jan. 18-25.....	12		
Ramsey County.....	Jan. 11-17.....	2		
Rice County.....	Jan. 11-17.....	1		
Rock County.....	Jan. 11-17.....	2		
Roseau County.....	Jan. 25-31.....	2		
St. Louis County.....	Jan. 11-31.....	9		
Sherburne County.....	Jan. 11-17.....	1		
Sibley County.....	Jan. 18-25.....	2		
Wabasha County.....	Jan. 18-31.....	15		
Wright County.....	Jan. 11-31.....	21		
Missouri:				
Kansas City.....	Jan. 30-Feb. 12.....	5		
St. Louis.....	Feb. 6-12.....	1		
Springfield.....	Jan. 1-31.....	4		
Montana:				
Beaverhead County.....	Jan. 1-31.....	1		
Carbon County.....	Jan. 1-31.....	1		
Chouteau County.....	Jan. 1-31.....	6		
Dawson County.....	Jan. 1-31.....	1		
Gallatin County.....	Jan. 1-31.....	1		
Lewis and Clark County.....	Jan. 1-31.....	3		
Madison County.....	Jan. 1-31.....	1		
Missoula County.....	Jan. 1-31.....	18		
Park County.....	Jan. 1-31.....	4		
Sanders County.....	Jan. 1-31.....	3		
Silver Bow County.....	Jan. 1-31.....	77		
Yellowstone County.....	Jan. 1-31.....	2		
New Hampshire, entire State.....	Jan. 1-Feb. 16.....	4		
New Jersey:				
Trenton.....	Jan. 30-Feb. 5.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Alamance County.....	Jan. 1-31.....	39		
Beaufort County.....	Jan. 1-31.....	7		
Bertie County.....	Jan. 1-31.....	6		
Bladen County.....	Jan. 1-31.....	3		
Burke County.....	Jan. 1-31.....	20		
Cabarrus County.....	Jan. 1-31.....	13		
Caldwell County.....	Jan. 1-31.....	8		
Carteret County.....	Jan. 1-31.....	1		
Catawba County.....	Jan. 1-31.....	20		
Chatham County.....	Jan. 1-31.....	1		
Chowan County.....	Jan. 1-31.....	11		
Cleveland County.....	Jan. 1-31.....	1		
Craven County.....	Jan. 1-31.....	1		
Davidson County.....	Jan. 1-31.....	15		
Davie County.....	Jan. 1-31.....	18		
Duplin County.....	Jan. 1-31.....	1		
Durham County.....	Jan. 1-31.....	3		
Edgecombe County.....	Jan. 1-31.....	22		
Forsyth County.....	Jan. 1-31.....	46		
Guilford County.....	Jan. 1-31.....	61		
Iredell County.....	Jan. 1-31.....	4		
Johnston County.....	Jan. 1-31.....	11		
Lenoir County.....	Jan. 1-31.....	30		
Lincoln County.....	Jan. 1-31.....	1		
McDowell County.....	Jan. 1-31.....	48		
Mecklenburg County.....	Jan. 1-31.....	32	1	
Nash County.....	Jan. 1-31.....	50		
Onslow County.....	Jan. 1-31.....	4		
Pamlico County.....	Jan. 1-31.....	(*)		
Perquimans County.....	Jan. 1-31.....	4		
Pitt County.....	Jan. 1-31.....	42		
Randolph County.....	Jan. 1-31.....	1		
Rockingham County.....	Jan. 1-31.....	20		
Rowan County.....	Jan. 1-31.....	4		
Rutherford County.....	Jan. 1-31.....	19		
Sampson County.....	Jan. 1-31.....	1		
Stokes County.....	Jan. 1-31.....	140		
Union County.....	Jan. 1-31.....	45		
Wake County.....	Jan. 1-31.....	25		
Wilkes County.....	Jan. 1-31.....	9		
Wilson County.....	Jan. 1-31.....	71		
Yabkin County.....	Jan. 1-31.....	5		
Yancey County.....	Jan. 1-31.....	14		
Tennessee:				
Chattanooga.....	Feb. 6-12.....	4		
Knoxville.....	Feb. 6-12.....	3		
Memphis.....	Feb. 6-12.....	12		
Texas:				
Atacosta County.....	Jan. 31-Feb. 6.....	4		
Galveston.....	Feb. 6-12.....	2		
San Antonio.....	Feb. 6-12.....	5		

* Several.

Reports Received from January 1 to February 18, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Jan. 9-29.....	11		
Mobile.....	Jan. 16-22.....	3		
Montgomery.....	Dec. 19-Feb. 5.....	279		
Total for State.....		293		
Arkansas:				
Little Rock.....	Jan. 25-31.....	20		
Argenta.....	Jan. 22-28.....	5		
Lonoke.....	Jan. 6-20.....	2		
Total for State.....		27		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
Berkeley.....	Dec. 26-Jan. 1....	1		
Los Angeles.....	Jan. 12-29.....	2		
Oakland.....	Dec. 26-Jan. 1....	1		
Sacramento County.....	Jan. 1-31.....		1	
Sacramento.....	Dec. 12-18.....	2		
San Francisco.....	Dec. 19-Jan. 22....	7		
Total for State.....		13	1	
Colorado:				
Boulder.....	Dec. 19-25.....	1		
Chaffee County.....	Jan. 1-31.....	6		
Conejos County.....	Jan. 1-31.....	10		
Denver County.....	Jan. 1-31.....	10		
Garfield County.....	Jan. 1-31.....	1		
Huerfano County.....	Jan. 1-31.....	3		
Larimer County.....	Jan. 1-31.....	4		
Las Animas County.....	Jan. 1-31.....	5		
Logan County.....	Jan. 1-31.....	3		
Mesa County.....	Jan. 1-31.....	4		
Fruita District.....	Dec. 26-Jan. 1....	3		
Montrose County.....	Jan. 1-31.....	6		
Morgan County.....	Jan. 1-31.....	1		
Otero County.....	Jan. 1-31.....	1		
Ouray County.....	Jan. 1-31.....	11		
San Miguel County.....	Jan. 1-31.....	1		
Summit County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-31.....	15		
Total for State.....		86		
District of Columbia.....	Dec. 19-Feb. 5....	8		
Total for District.....		8		
Florida:				
Jacksonville.....	Jan. 30-Feb. 5....	1		
Total for State.....		1		
Georgia:				
Macon.....	Jan. 1-31.....	51		
Total for State.....		51		
Illinois:				
Alexander County.....	Jan. 1-31.....	6		
Coles County.....	Jan. 1-31.....	4		
Cook County—				
Chicago.....	Dec. 19-25.....	2		
Edwards County.....	Jan. 1-31.....	19		
Effingham County.....	Jan. 1-31.....	81		
Fayette County.....	Jan. 1-31.....	1		
Franklin County.....	Jan. 1-31.....	6		
Jackson County.....	Jan. 1-31.....	2		
Kane County.....	Jan. 1-31.....	1		
Macon County.....	Jan. 1-31.....	1		
McLean County.....	Jan. 1-31.....	1		
Montgomery County.....	Jan. 1-31.....	7		
Pulaski County.....	Jan. 1-31.....	2		
Sangamon County.....	Jan. 1-31.....	4		
Shelby County.....	Jan. 1-31.....	9		
Wabash County.....	Jan. 1-31.....			Present.
Wayne County.....	Jan. 1-31.....	5		
Williamson County.....	Jan. 1-31.....	21		
Total for State.....		172		
Indiana:				
Adams County.....	Oct. 1-31.....	4		
Allen County.....	Oct. 1-Dec. 31....	156	1	
Carroll County.....	Nov. 1-30.....	1		
Clark County.....	Dec. 1-31.....	19		
Clinton County.....	Dec. 1-31.....	4		
Daviess County.....	Nov. 1-Dec. 31....	8		
Dekalb County.....	Dec. 1-31.....	2		
Delaware County.....	Oct. 1-Nov. 30....	20		
Grant County.....	Oct. 1-Dec. 31....	28		
Greene County.....	Oct. 1-31.....	6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Jefferson County.....	Nov. 1-30.....	1		
Knox County.....	Oct. 1-31.....	7		
Laporte County.....	Dec. 1-31.....	1		
Marion County.....	Dec. 1-31.....	1		
Marshall County.....	Oct. 1-Dec. 31.....	40		
Noble County.....	Nov. 1-Dec. 31.....	2		
Randolph County.....	Oct. 1-31.....	1		
St. Joseph County.....	Oct. 1-Dec. 31.....	17		
Shelby County.....	Dec. 1-31.....	1		
Steuben County.....	Nov. 1-Dec. 31.....	3		
Tippecanoe County.....	Dec. 1-31.....	1		
Vanderburg County.....	Oct. 1-31.....	8		
Warren County.....	Nov. 1-30.....	1		
Wayne County.....	Nov. 1-30.....	1		
Total for State.....		333	1	
Iowa:				
Buena Vista County.....	Jan. 1-31.....	1		
Calhoun County.....	Jan. 1-31.....	10		
Cass County.....	Jan. 1-31.....	1		
Cedar County.....	Jan. 1-31.....	3		
Cherokee County.....	Jan. 1-31.....	24		
Clayton County.....	Jan. 1-31.....	1		
Dallas County.....	Jan. 1-31.....	1		
Dubuque County.....	Jan. 1-31.....	5		
Jones County.....	Jan. 1-31.....	1		
Linn County.....	Jan. 1-31.....	7		
Cedar Rapids.....	Dec. 1-31.....	7		
Madison County.....	Jan. 1-31.....	1		
Marion County.....	Jan. 1-31.....	2		
Marshall County.....	Jan. 1-31.....	4		
Monroe County.....	Jan. 1-31.....	2		
Polk County.....	Jan. 1-31.....	27		
Pottawattamie County.....	Jan. 1-31.....	1		
Poweshiek County.....	Jan. 1-31.....	6		
Sioux County.....	Jan. 1-31.....	6		
Woodbury County— Sioux City.....	Dec. 1-31.....	2		
Total for State.....		112		
Kansas:				
Clay County.....	Nov. 1-30.....	1		
Cloud County.....	Nov. 1-30.....	1		
Cowley County.....	Nov. 1-30.....	3		
Crawford County.....	Dec. 1-31.....	1		
Decatur County.....	Nov. 1-Dec. 31.....	10		
Douglas County.....	Dec. 1-31.....	1		
Gove County.....	Dec. 1-31.....	3		
Graham County.....	Nov. 1-30.....	20		
Jackson County.....	Dec. 1-31.....	5		
Jewell County.....	Dec. 1-31.....	7		
Lane County.....	Nov. 1-30.....	1		
Leavenworth County.....	Dec. 1-31.....	1		
Lyon County.....	Dec. 1-31.....	1		
Marshall County.....	Dec. 1-31.....	20		
McPherson County.....	Dec. 1-31.....	1		
Montgomery County.....	Nov. 1-Dec. 31.....	23		
Ness County.....	Dec. 1-31.....	8		
Norton County.....	Nov. 1-30.....	30		
Pottawattomie County.....	Dec. 1-31.....	6		
Reno County.....	Nov. 1-Dec. 31.....	73		
Riley County.....	Dec. 1-31.....	9		
Saline County.....	Dec. 1-31.....	1		
Scott County.....	Nov. 1-Dec. 31.....	11		
Sedgwick County.....	Dec. 1-31.....	1	1	
Shawnee County.....	Dec. 1-31.....	12		
Topeka.....	Nov. 1-30.....	1		
Sheridan County.....	Nov. 1-Dec. 31.....	7		
Sumner County.....	Nov. 1-30.....	9		
Waubansee County.....	Nov. 1-30.....	3		
Wilson County.....	Nov. 1-30.....	2		
Wyandotte County.....	Dec. 1-31.....	69		
Total for State.....		341	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kentucky:				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 29.....	4		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		7		
Louisiana:				
New Orleans.....	Dec. 26-Feb. 5.....	33		
Shreveport.....	Jan. 23-29.....	5		
Total for State.....		38		
Maryland:				
Baltimore.....	Dec. 26-Jan. 1.....	1		
Dorchester County.....	Dec. 3-31.....	4		
Garrett County.....	Jan. 8-31.....	1		
Total for State.....		6		
Massachusetts:				
Essex County.....	Jan. 1-31.....	1		
Middlesex County.....	Jan. 1-31.....	65		
Lynn County.....	Jan. 1-31.....	4		
Suffolk County.....	Jan. 1-31.....	2		
Worcester County.....	Jan. 1-31.....	18		
Total for State.....		90		
Michigan:				
Alcona County.....	Nov. 1-Jan. 31.....	26		
Antrim County.....	Nov. 1-Jan. 31.....	22		
Arenac County.....	Nov. 1-Jan. 31.....	134		
Bay County.....	Nov. 1-Jan. 31.....	72		
Barrien County.....	Jan. 1-31.....	6		
Delta County.....	Dec. 1-31.....	1		
Emmet County.....	Nov. 1-Dec. 31.....	2		
Genesee County.....	Nov. 1-Jan. 31.....	189		
Gladwin County.....	Nov. 1-Jan. 31.....	8		
Gratiot County.....	Nov. 1-30.....	1		
Houghton County.....	Nov. 1-Jan. 31.....	46		
Ingham County.....	Dec. 1-Jan. 31.....	8		
Ionia County.....	Nov. 1-Jan. 31.....	39		
Iosco County.....	Dec. 1-31.....		1	
Kent County.....	Dec. 1-Jan. 31.....	4		
Keweenaw County.....	Jan. 1-31.....	1		
Lapeer County.....	Nov. 1-30.....	2		
Livingston County.....	Nov. 1-Jan. 31.....	18		
Marquette County.....	Nov. 1-30.....	1		
Mason County.....	Nov. 1-30.....	1		
Mecosta County.....	Jan. 1-31.....	4		
Midland County.....	Dec. 1-Jan. 31.....	6		
Missaukee County.....	Jan. 1-31.....	15		
Montcalm County.....	Nov. 1-30.....	3		
Montgomery County.....	Dec. 1-31.....	32		
Oakland County.....	Jan. 1-31.....	1		
Oceana County.....	Jan. 1-31.....	1		
Ogemaw County.....	Jan. 1-31.....	5		
Ontonagon County.....	Nov. 1-30.....	2		
Osceola County.....	Dec. 1-Jan. 31.....	7		
Oscoda County.....	Jan. 1-31.....	2		
Otsego County.....	Dec. 1-31.....	1		
Presque Isle County.....	Dec. 1-Jan. 31.....	2		
Roscommon County.....	Jan. 1-31.....	6		
Saginaw County.....	Dec. 1-Jan. 1.....	29		
St. Clair County.....	Jan. 1-31.....	2		
Sanilac County.....	Nov. 1-30.....	2		
Shiawassee County.....	Dec. 1-Jan. 31.....	6		
Wayne County.....	Dec. 1-Jan. 31.....	6		
Total for State.....		713	1	
Minnesota:				
Becker County.....	Jan. 4-10.....	3		
Beltrami County.....	Dec. 21-Jan. 10.....	2		
Benton County.....	Dec. 14-20.....	7		
Blue Earth County.....	Dec. 21-27.....	1		
Carver County.....	Dec. 7-Jan. 3.....	4		
Goodhue County.....	Dec. 28-Jan. 3.....	1		
Hennepin County.....	Dec. 28-Jan. 3.....	5		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Itasca County.....	Dec. 14-20.....	1		
Kandiyohi County.....	Dec. 7-13.....	1		
Mower County.....	Dec. 28-Jan. 10.....	3		
Ottertail County.....	Dec. 21-27.....	2		
Polk County.....	Dec. 7-13.....	1		
Red Lake County.....	Dec. 7-13.....	1		
Renville County.....	Dec. 7-13.....	1		
Rock County.....	Dec. 7-Jan. 10.....	15		
Roseau County.....	Dec. 7-Jan. 13.....	12		
St. Louis County.....	Dec. 7-Jan. 10.....	6		
Sibley County.....	Dec. 7-13.....	4		
Todd County.....	Dec. 28-Jan. 3.....	1		
Wabasha County.....	Dec. 7-13.....	1		
Watsonwan County.....	Dec. 28-Jan. 3.....	1		
Wright County.....	Dec. 7-Jan. 10.....	15		
Total for State.....		88		
Mississippi:				
Biloxi.....	Jan. 2-Feb. 3.....	5		
Gulfport.....	Jan. 26-Feb. 3.....	8		
Holly Springs.....	Jan. 2-29.....	6		
Marshall County.....	Jan. 30-Feb. 5.....	3		
Natchez.....	Dec. 26-Feb. 5.....	58	1	
Claiborne County— Port Gibson.....	Dec. 19-25.....	1		
Total for State.....		81	1	
Missouri:				
Andrew County.....	Jan. 23-29.....	3		
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-29.....	10	1	
St. Joseph.....	Jan. 2-15.....	5		
St. Louis.....	Dec. 26-Feb. 5.....	7		
Total for State.....		32	1	
Montana:				
Dawson County.....	Nov. 1-30.....	1		
Flathead County.....	Oct. 1-Nov. 30.....	6		
Jefferson County.....	Nov. 1-30.....	1		
Lewis and Clark County.....	Oct. 1-Nov. 30.....	3		
Missoula County.....	Oct. 1-Nov. 30.....	22		
Park County.....	Nov. 1-30.....	1		
Powell County.....	Nov. 1-30.....	1		
Ravalli County.....	Nov. 1-30.....	2		
Silver Bow County.....	Oct. 1-Nov. 30.....	15		
Butte.....	Dec. 19-31.....	14		
Total for State.....		66		
Nebraska:				
South Omaha.....	Dec. 5-11.....	3		
Total for State.....		3		
New York (entire State).....				
Cattaraugus County.....	Sept. 1-Nov. 30.....	33	1	
Cayuga County.....	Dec. 1-31.....	1		
Erie County.....	Dec. 1-31.....	1		
Jefferson County.....	Dec. 1-31.....	17		
Lewis County.....	Dec. 1-31.....	1		
Niagara County.....	Dec. 1-Jan. 31.....	2		
Oneida County.....	Dec. 1-Jan. 31.....	40		
St. Lawrence County.....	Dec. 1-Jan. 31.....	2		
Ulster County.....	Jan. 1-31.....	9		
Westchester County.....	Jan. 1-31.....	2		
Total for State.....		1		
North Carolina:				
Bladen County.....	Nov. 1-30.....	12		
Catawba County.....	Oct. 1-Nov. 30.....	5		
Chowan County.....	Oct. 1-Nov. 30.....	2		
Craven County.....	Nov. 1-30.....	3		
Currituck County.....	Nov. 1-30.....	3		
Davidson County.....	Oct. 1-Nov. 30.....	4		
Duplin County.....	Oct. 1-Nov. 30.....	7		
Forsyth County.....	Nov. 1-30.....	1		
	Oct. 1-Nov. 30.....	22		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Franklin County.....	Oct. 1-31.....	15		Many cases.
Gaston County.....	Nov. 1-30.....	1		
Greene County.....	Nov. 1-30.....	15		
Guilford County.....	Nov. 1-30.....	2		
Johnston County.....	Nov. 1-30.....	6		
Jones County.....	Oct. 1-Nov. 30.....	9		
McDowell County.....	Nov. 1-30.....	10		
Mecklenburg County.....	Nov. 1-30.....	21		
Nash County.....	Nov. 1-30.....			
Robeson County.....	Oct. 1-31.....	1		
Rockingham County.....	Nov. 1-30.....	6		
Rowan County.....	Nov. 1-30.....	3		
Rutherford County.....	Nov. 1-30.....	10		
Surry County.....	Oct. 1-Nov. 30.....	5		
Union County.....	Oct. 1-Nov. 30.....	7		
Wake County.....	Nov. 1-30.....	8		
Wayne County.....	Nov. 1-30.....	8		
Wilson County.....	Nov. 1-30.....	44		
Yadkin County.....	Oct. 1-31.....	1		
Total for State.....		228		
North Dakota:				
Billings County.....	Jan. 1-31.....	4		
Bottineau County.....	Oct. 1-31.....	1		
Cass County.....	Dec. 1-31.....	1		
Grand Forks County.....	Jan. 1-31.....	1		
McLean County.....	Dec. 1-Jan. 31.....	4		
Walsh County.....	Jan. 1-31.....	39		
Total for State.....		50		
Ohio:				
Allen County.....	Jan. 1-31.....	15		
Adams County.....	Jan. 1-31.....	1		
Belmont County.....	Jan. 1-31.....	4		
Brown County.....	Jan. 1-31.....	18		
Clermont County.....	Jan. 1-31.....	1		
Cuyahoga County— Cleveland.....	Dec. 19-26.....	1		
Darke County.....	Jan. 1-31.....	3		
Franklin County.....	Jan. 1-31.....	1		
Hamilton County.....	Jan. 1-31.....	1		
Jackson County.....	Jan. 1-31.....	29		
Miami County.....	Jan. 1-31.....	1		
Montgomery County.....	Jan. 1-31.....	2		
Ross County.....	Jan. 1-31.....	16		
Shelby County.....	Jan. 1-31.....	6		
Van Wert County.....	Jan. 1-31.....	5		
Wayne County.....	Jan. 1-31.....	1		
Williams County— Stryker.....	Dec. 19-25.....	1		
Total for State.....		106		
Oklahoma:				
Beckham County.....	Nov. 1-30.....	1		
Blaine County.....	Dec. 1-31.....	7		
Coal County.....	Aug. 1-Sept. 30.....	10		
Comanche County.....	Nov. 1-30.....	1		
Creek County.....	Oct. 1-Nov. 30.....	3		
Garfield County.....	Nov. 1-30.....	1		
Grant County.....	Aug. 1-31.....	1		
Harmon County.....	Aug. 1-31.....	2		
Hughes County.....	Aug. 1-31.....	3		
Jackson County.....	Aug. 1-Nov. 30.....	19		
Kingsfisher County.....	Oct. 1-31.....	2		
Le Flore County.....	Oct. 1-31.....	1		
Lincoln County.....	Aug. 1-31.....	3		
McIntosh County.....	Sept. 1-30.....	2		
Marshall County.....	Oct. 1-31.....	1		
Muskogee County.....	Oct. 1-31.....	1		
Oklfuskee County.....	Oct. 1-31.....	1		
Oklahoma County.....	Aug., Sept., and Nov.....	14	1	
Osage County.....	Sept. 1-Oct. 31.....	9		
Pawnee County.....	Aug. 1-31.....	1		
Pottawatomie County.....	Sept. 1-Nov. 30.....	41		
Pushmataha County.....	Sept. 1-30.....	1		
Seminole County.....	Oct. 1-Nov. 30.....	7		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Sequoyah County.....	Aug. 1-Sept. 30....	2	.....
Tulsa County.....	Nov. 1-30.....	∞	.....
Washington County.....	Nov. 1-30.....	1	.....
Woodward County.....	Nov. 1-30.....	1	.....
Total for State.....		139	1	
Oregon (entire State).....				
Portland.....	Dec. 1-31.....	28	.....
	Nov. 1-30.....	2	.....
Total for State.....		30	.....
Pennsylvania (entire State).....				
	Dec. 1-31.....	2	.....
South Carolina:				
Clover.....	Jan. 23-29.....	3	.....
Total for State.....		3	.....
Tennessee:				
Chattanooga.....	Dec. 26-Feb. 5.....	26	.....
Knoxville.....	Jan. 2-Feb. 5.....	21	.....
Memphis.....	Nov. 1-Feb. 5.....	110	.....
Dekalb County.....	Dec. 12-Jan. 1.....	9	.....
Washington County.....	Dec. 26-Feb. 5.....	11	.....
Total for State.....		177	.....
Texas:				
Amarillo.....	Jan. 16-22.....	16	.....
Denton County.....	Dec. 26-Feb. 5.....	77	10	
El Paso.....	Nov. 1-Jan. 22.....	5	1	
Fort Worth.....	Nov. 1-Jan. 31.....	32	2	
Hale County.....	Jan. 9-15.....	7	.....
San Antonio.....	Dec. 5-Feb. 5.....	11	1	
Waco.....	Jan. 1-31.....	1	.....
Walnut Springs.....	Jan. 12-18.....	2	.....
Wills Point.....	Jan. 1-31.....	2	1	
Total for State.....		153	15	
Utah:				
Boxelder County.....	Dec. 1-31.....	37	.....
Cache County.....	Dec. 1-31.....	20	.....
Carbon County.....	Dec. 1-31.....	2	.....
Davis County.....	Dec. 1-31.....	8	.....
Plute County.....	Dec. 1-31.....	1	.....
Salt Lake County.....	Dec. 1-31.....	22	.....
San Pete County.....	Dec. 1-31.....	1	.....
Sevier County.....	Dec. 1-31.....	2	.....
Tooele County.....	Dec. 1-31.....	1	.....
Uintah County.....	Dec. 1-31.....	16	.....
Utah County.....	Dec. 1-31.....	31	.....
Wasatch County.....	Dec. 1-31.....	1	.....
Weber County.....	Dec. 1-31.....	14	.....
Total for State.....		156	.....
Virginia:				
Lynchburg.....	Jan. 30-Feb. 5.....	10	.....
Petersburg.....	Dec. 26-Jan. 26.....	2	.....
Portsmouth.....	Jan. 16-29.....	2	.....
Richmond.....	Dec. 1-31.....	1	.....
Total for State.....		15	.....
Washington:				
Kitsap County.....	Jan. 1-31.....	1	.....
Seattle.....	Jan. 2-22.....	6	.....
Spokane.....	Dec. 19-Jan. 29.....	22	.....
Tacoma.....	Jan. 2-8.....	1	.....
Wahkeakum County.....	Dec. 1-31.....	8	.....
Total for State.....		38	.....
West Virginia:				
Wheeling.....	Jan. 30-Feb. 5.....	1	.....
Total for State.....		1	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin:				
Chippewa County.....	Jan. 1-31.....	3	.....
Clark County.....	Jan. 1-31.....	10	.....
Douglas County.....	Jan. 1-31.....	4	.....
Superior.....	Dec. 19-Jan. 1.....	6	.....
Jefferson County.....	Jan. 1-31.....	6	.....
Juneau County.....	Jan. 1-31.....	1	.....
Ea Crosse County.....	Jan. 1-31.....	9	.....
La Crosse.....	Dec. 19-Jan. 1.....	2	.....
Langlade County.....	Jan. 1-31.....	2	.....
Milwaukee County.....	Jan. 1-31.....	2	.....
Milwaukee.....	Dec. 19-Jan. 1.....	2	.....
Winnebago County.....	Jan. 1-31.....	2	.....
Total for State.....		49		
Grand total for the United States.....		3,817	23	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Feb. 12	50,814	14	.....	.....	.....	.....	1	.....	.....	.....	3	.....	.....	.....
Ashtabula, Ohio.	.....	16,648	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baltimore, Md.	.....	576,023	247	119	31	6	1	25	2	21	.....	18	2	29	1
Bayonne, N. J.	.....	49,894	.....	.....	.....	.....	.....	4	.....	3	.....	1	.....	4	.....
Beaver Falls, Pa.	.....	10,341	.....	.....	.....	1	.....	1	.....	.....	.....	5	.....	.....	.....
Berkeley, Cal.	Feb. 5	19,700	8	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....
Biddeford, Me.	Feb. 12	17,673	8	.....	.....	.....	.....	.....	.....	2	1	7	.....	2	2
Binghamton, N. Y.	.....	45,855	18	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boston, Mass.	Feb. 5	622,970	219	60	28	8	.....	47	4	51	4	83	1	4	.....
Do.	Feb. 12	.....	244	55	19	4	.....	54	1	71	4	82	1	7	.....
Boulder, Colo.	.....	.....	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bridgeport, Conn.	Feb. 5	90,913	26	3	2	.....	.....	25	3	2	.....	1	.....	1	.....
Brockton, Mass.	.....	53,978	8	3	1	.....	.....	4	.....	.....	.....	.....	.....	4	.....
Do.	Feb. 12	.....	10	5	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....
Butte, Mont.	Jan. 15	49,892	12	.....	.....	.....	.....	11	.....	3	.....	.....	.....	.....	.....
Do.	Jan. 22	.....	9	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
Camden, N. J.	Feb. 12	89,305	25	.....	2	.....	.....	2	.....	6	1	.....	.....	.....	.....
Cambridge, Mass.	.....	101,872	27	4	1	.....	.....	5	.....	8	3	.....	.....	.....	.....
Cambridge, Ohio.	Feb. 5	11,733	2	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	.....	.....
Do.	Feb. 12	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	19	.....	1	.....
Carbondale, Pa.	.....	15,698	9	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....
Charlotte, N. C.	Jan. 29	35,101	15	2	1	.....	.....	.....	.....	2	.....	40	.....	.....	.....
Chattanooga, Tenn.	Feb. 5	34,684	.....	1	2	.....	.....	1	.....	.....	.....	5	.....	.....	.....
Chelsea, Mass.	Feb. 12	39,862	9	.....	.....	.....	.....	5	.....	1	.....	.....	.....	.....	.....
Chicago, Ill.	Jan. 29	2,224,491	645	114	85	15	6	144	8	106	9	213	3	57	2
Chicopee, Mass.	Feb. 12	20,010	7	.....	.....	.....	.....	.....	.....	.....	.....	14	.....	.....	.....
Cleveland, Ohio.	Feb. 11	506,938	143	24	10	2	2	13	1	16	1	107	1	6	.....
Clinton, Mass.	Feb. 12	12,656	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coffeyville, Kans.	Feb. 5	.....	4	1	.....	1	.....	.....	.....	1	1	6	.....	.....	.....
Columbus, Ga.	Feb. 12	17,893	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Concord, N. H.	Feb. 5	21,997	10	.....	1	.....	.....	.....	.....	2	.....	9	.....	1	.....
Covington, Ky.	Feb. 12	51,715	22	2	2	.....	1	.....	.....	.....	.....	18	.....	.....	.....
Do.	.....	27,387	5	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....
Dayton, Ohio.	Feb. 5	108,688	32	.....	5	.....	.....	2	.....	3	.....	.....	.....	.....	.....
Do.	Jan. 15	.....	44	.....	6	.....	.....	9	.....	2	.....	2	.....	.....	.....
Duluth, Minn.	Feb. 5	74,520	22	3	3	.....	.....	7	1	2	.....	5	.....	.....	.....

• Estimated population, 1906. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Dunkirk, N. Y.....	Feb. 12	18,061	2					1				4			
East Weymouth, Mass.....	do.....	11,793	7					1				1			
Elmira, N. Y.....	do.....	35,765	16		3			2	1	1		2		1	1
El Paso, Tex.....	Jan. 8	22,911	15	1						5		8			
Do.....	Jan. 22		30	4	6	2						17	1	6	2
Elyria, Ohio.....	Feb. 5	11,653	4			1				1					
Erie, Pa.....	Feb. 12	63,652	14	1	1	7		4	3	3		6		5	
Evansville, Ind.....	do.....	66,948	21	2	3	2		2	3	5		1			
Everett, Mass.....	do.....	32,931	9	3	1			1				4	1		
Fall River, Mass.....	do.....	106,431	28	2	5	1		1		6		7	1		
Fort Wayne, Ind.....	Feb. 5	58,180	14	1	1	1		3				3			
Freeport, Ill.....	Feb. 12	19,200	4							3	1				
Galesburg, Ill.....	do.....	21,615	7												
Galveston, Tex.....	Feb. 5	36,964	3			1				2	1				
Gloucester, Mass.....	Feb. 12	25,923	10												
Grand Rapids, Mich.....	Feb. 5	105,909	33	3	3	7		25		3		11		1	
Do.....	Feb. 12		31	6	4	8		17				7			
Greensboro, N. C.....	Feb. 5	16,061	5		1							6			
Harrison, N. J.....	Feb. 12	14,604	3					1							
Hartford, Conn.....	do.....	105,808	24	5	1		1	5		12	2	5			
Hyde Park, Mass.....	do.....	15,522	3	1	1			4							
Indianapolis, Ind.....	Feb. 5	241,826	77	3	7	3	2	19	1	5		266	1	9	
Jacksonville, Fla.....	Feb. 12	40,798	21	1	5			1							
Johnstown, Pa.....	do.....	46,520	16	16	7	2		5		1		21			
Kansas City, Mo.....	Jan. 29	191,685	8	7	25	5		48		16	2	106		1	
Kansas City, Kans.....	Feb. 5	85,742	18	2	11	1		12	1	13		27			
Kearney, N. J.....	Feb. 12	15,765	5		1			1				5			
Kingston, N. Y.....	do.....	26,110	9		1										
Knoxville, Tenn.....	Feb. 5	37,758	17	3	4					2		1			
La Crosse, Wis.....	Jan. 15	29,224	9	3	3										
Do.....	Jan. 24		4	2	1			4		1					
Do.....	Jan. 29		3		1			6				2			
Do.....	Feb. 12		10		1			2		1		1			
La Fayette, Ind.....	do.....	19,801	7		1							1			
Leicester, Pa.....	do.....	49,962	19	5				6		2		27			
Lebanon, Pa.....	do.....	20,295	7	6						1				5	
Lexington, Ky.....	do.....	30,690	11	3				1				1			
Los Angeles, Cal.....	Jan. 29	103,000	117	23	28	1		17		10	1	596	3	1	
Lowell, Mass.....	Feb. 11	95,125	31	8	6	1		2		1		120			
Lynchburg, Va.....	Feb. 5	29,457												1	
Malden, Mass.....	do.....	41,537	11							1		1		1	
Manchester, N. H.....	Feb. 12	69,561	27	2	2					4	1	3			
Mansfield, Ohio.....	do.....	21,390				2								8	
Monticello, Ind.....	do.....														
Marinette, Wis.....	do.....	14,682	3	1	1			4		6					
Marlboro, Mass.....	do.....	14,444	1							1		36			
Massillon, Ohio.....	do.....	13,610	2					7				18			
Medford, Mass.....	do.....	20,839	5	1	2			2							
Metrose, Mass.....	Feb. 5	15,361	4		1										
Memphis, Tenn.....	do.....	136,363	51	3	3			1		6		5			
Milwaukee, Wis.....	Jan. 15	332,495	100	24	6	43	3	54		17	2	27		10	
Do.....	Jan. 29		95	21	11	27	4	56	2	14	2	1		4	
Moline, Ill.....	Feb. 12	23,081	7							1					
Montclair, N. J.....	do.....	18,296	5	2	2							11			
Montgomery, Ala.....	do.....	43,927	15	1	1										
Morristown, N. J.....	do.....	12,849	6					2		1		1			
Mount Vernon, N. Y.....	do.....	27,891	10					2				4			
Muncie, Ind.....	do.....	30,266		1		1				3		21			
Muskegon, Mich.....	do.....	20,995				1		1		1		1			
Nanticoke, Pa.....	Feb. 13	13,980	0							2					
Nashville, Tenn.....	Feb. 12	106,476	58		7	2		2		2					
Natchez, Miss.....	Feb. 5	14,108	4	2				1							
Nebraska City, Nebr.....	Feb. 12		4			7	1								
Newark, N. J.....	Feb. 11	308,669	97	15	17	2	1	35	3	39	2				
New Bedford, Mass.....	Feb. 12	83,898	30	3		1		9				61			
New Orleans, La.....	Feb. 5	327,602	149	30	26	10	1	25	2	16	4	39			
Newport, Ky.....	Feb. 12	31,345	12	3				1							
New York, N. Y.....	do.....	4,450,963	1,559	639	185	52	8	632	37	383	47	841	14	13	6
Niagara Falls, N. Y.....	do.....	32,012	9		2	6	2					46			

• Population 1900; no estimate 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Estimated population 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Norristown, Pa.	Feb. 12	24,491	11	1	2	1	...	6	...	...	...	...	...	...	...
North Adams, Mass.	do.	20,510	9	1	1	...	...	...	...	...	...	...	...	...	...
Northampton, Mass.	do.	27,008	13	...	...	...	...	...	...	...	...	...	...	1	...
Orange, N. J.	do.	27,669	9	2	1	...	...	7	...	...	...	13	...	...	...
Palmer, Mass.	do.	1	...	...	...	...	...	1	...	...	...	...	...	...	...
Peekskill, N. Y.	do.	15,473	14	...	1	...	...	1	...	1	...	13	...	...	...
Pittsfield, Mass.	Feb. 5	27,589	5	2	...	...	...	3	...	1	...	1	...	...	...
Do.	Feb. 13	...	10	1	...	...	...	...	...	1	...	...	...	...	...
Plainfield, N. J.	Feb. 12	20,947	5	2	1	...	...	3	...	...	...	...	...	...	...
Plymouth, Pa.	Feb. 5	17,524	6	...	...	...	...	1	...	...	...	9	...	...	...
Portland, Me.	Jan. 22	57,675	20	...	2	1	1	4	...	2	...	3	...	...	...
Do.	Jan. 29	...	23	...	...	2	...	...	...	3	...	1	...	...	...
Do.	Feb. 5	...	25	...	5	2	...	3	...	9	2	10	...	...	...
Portsmouth, N. H.	Feb. 12	11,336	...	...	...	...	...	...	...	1	...	...	...	...	...
Portsmouth, Va.	do.	19,225	15	...	...	...	...	2	...	...	...	...	...	...	...
Portstown, Pa.	do.	14,065	5	...	...	...	...	...	...	...	...	10	...	...	...
Providence, R. I.	do.	217,065	82	10	8	...	1	14	...	1	...	8	...	20	2
Racine, Wis.	do.	34,840	10	...	...	...	...	...	...	5	...	...	...	...	...
Reading, Pa.	Feb. 14	97,231	37	...	3	...	1	3	...	...	...	31	...	5	...
St. Louis, Mo.	Feb. 5	686,369	231	42	28	3	1	49	7	34	2	23	...	49	2
Saginaw, Mich.	Jan. 29	21,941	10	1	1	1	...	3	...	...	...	8	...	...	...
San Antonio, Tex.	Jan. 22	67,404	1	...	...	10	1	...	...	3	...	1	...	...	...
Do.	Jan. 29	...	1	...	...	2	...	...	...	...	...	...	...	...	...
Do.	Feb. 5	...	2	...	...	2	...	1	...	...	...	...	...	...	...
Sandusky, Ohio.	Feb. 12	20,737	4	...	...	...	...	...	...	...	...	...	...	...	...
San Jose, Cal.	Feb. 5	24,569	17	4	2	...	...	5	...	1	...	124	1	3	1
Schenectady, N. Y.	do.	73,037	...	...	...	1	2	...	...	...	...	19	...	...	...
Seattle, Wash.	do.	104,169	38	4	8	...	...	19	...	6	...	...	...	...	...
Somerville, Mass.	Feb. 12	75,375	19	4	1	1	1	4	...	6	...	...	...	...	...
South Bend, Ind.	Feb. 5	49,321	13	4	...	...	...	...	...	2	...	...	...	...	...
Do.	Feb. 12	...	13	...	...	...	...	3	...	...	...	1	...	...	...
South Bethlehem, Pa.	do.	15,896	7	...	1	1	...	1	...	1	...	3	...	...	...
South Omaha, Nebr.	do.	42,146	...	1	1	2	...	...	...	...	...	...	...	...	...
Spokane, Wash.	Jan. 29	47,006	20	...	1	...	...	16	5	12	1	13	...	...	...
Springfield, Mass.	Feb. 12	82,724	27	1	2	...	...	...	...	...	...	...	...	...	...
Springfield, Ohio	Feb. 5	43,975	8	2	1	...	...	...	...	1	...	...	...	...	...
Do.	Feb. 12	...	9	2	1	1	...	...	...	4	...	...	...	...	...
Superior, Wis.	Jan. 15	40,919	5	...	...	...	...	2	...	4	...	...	...	...	...
Do.	Jan. 22	...	9	...	...	...	...	3	...	1	...	...	...	...	...
Do.	Feb. 4	...	...	...	...	...	...	4	...	...	...	...	...	...	...
Tacoma, Wash.	Feb. 5	37,714	20	5	1	1	...	1	...	...	...	...	...	...	...
Taunton, Mass.	Feb. 12	30,926	14	1	4	...	...	...	...	...	...	4	...	...	...
Terre Haute, Ind.	do.	...	20	...	2	...	...	1	...	3	2	16	...	...	...
Titusville, Pa.	do.	8,397	2	...	...	2	...	...	...	...	...	...	...	...	...
Trenton, N. J.	do.	92,878	40	11	4	1	...	23	...	5	...	...	...	...	...
Utica, N. Y.	do.	...	27	...	2	...	...	...	...	4	...	15	1	...	...
Waltham, Mass.	do.	28,522	5	1	1	...	...	1	...	2	...	...	...	2	3
Warren, Pa.	Jan. 24	11,838	4	...	...	...	...	1	...	...	...	20	...	12	...
Do.	Jan. 31	...	3	...	...	...	...	1	...	6	...	54	...	10	...
Do.	Feb. 7	...	2	...	...	...	...	...	...	2	1	45	...	2	...
Do.	Feb. 14	...	6	...	...	...	...	...	...	...	...	37	...	8	1
Washington, D. C.	Feb. 5	322,212	153	30	16	7	1	49	11	...	...	2	...	19	...
West Newton, Mass.	Feb. 12	39,419	14	...	...	1	...	2	...	3	...	...	...	...	...
Wheeling, W. Va.	Feb. 5	42,799	15	2	1	3	1	2	...	...	...	...	...	...	...
Wichita, Kans.	Feb. 12	39,612	9	...	...	...	...	1	...	...	...	4	...	...	...
Wilkes-Barre, Pa.	do.	64,323	16	4	...	...	...	6	...	6	1	6	...	12	...
Wilkinsburg, Pa.	do.	19,999	5	2	...	...	...	1	...	...	...	...	...	5	...
Williamsport, Pa.	do.	30,220	7	2	...	...	...	3	...	1	...	2	...	1	...
Wilmington, Del.	do.	88,980	27	...	5	...	...	...	...	...	...	...	...	...	...
Woburn, Mass.	do.	14,520	7	...	...	...	...	...	...	...	...	1	...	...	...
Yonkers, N. Y.	do.	72,200	32	11	2	...	...	14	2	7	1	1	...	...	...
York, Pa.	do.	41,895	...	...	...	...	...	2	...	1	...	21	...	...	...
Zanesville, Ohio	do.	25,614	8	...	1	10	...	...	...	...	...	...	...	...	...

* Estimated population 1906. No estimate 1909.

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

CALIFORNIA—Los Angeles.—Month of January, 1910. Population, 300,000. Total number of deaths from all causes 440, including measles 9, diphtheria 1, tuberculosis 87. Cases reported: Typhoid fever 11, smallpox 2, measles 2,186, scarlet fever 46, diphtheria 30, tuberculosis 91.

San Diego.—Month of January, 1910. Population, 45,000. Total number of deaths from all causes 60, including tuberculosis 12. Cases reported: Measles 36.

COLORADO.—Three months ended December 31, 1909. Population, 539,700. Total number of deaths from all causes 2,609, including typhoid fever 93, measles 4, scarlet fever 34, diphtheria 45, tuberculosis 441. Cases reported: Typhoid fever 734, smallpox 110, scarlet fever 473, diphtheria 500.

Colorado Springs.—Month of December, 1909. Population, 21,085. Total number of deaths from all causes 45, including tuberculosis 13. Cases reported: Typhoid fever 4; (local infection 1), measles 1, scarlet fever 8, diphtheria 2.

CONNECTICUT—Bridgeport.—Month of December, 1909. Population, 100,000. Total number of deaths from all causes 141, including typhoid fever 1, diphtheria 2, tuberculosis 11. Cases reported: Typhoid fever 3, measles 4, scarlet fever 75, tuberculosis, pulmonary, 18.

FLORIDA.—Reports to the state board of health for the week ended February 12 show typhoid fever present in 2 places with 2 cases, smallpox in 1 county (Escambia) with 15 cases, scarlet fever at 1 place (Pensacola) with 1 case, diphtheria at 4 places with 5 cases, tuberculosis at 6 places with 7 cases.

GEORGIA—Macon.—Month of January, 1910. Population, 35,000. Total number of deaths from all causes 60, including tuberculosis 2.

ILLINOIS—Quincy.—Month of January, 1910. Population, 43,000. Total number of deaths from all causes 66, including diphtheria 2, tuberculosis 6. Cases reported: Typhoid fever 2, scarlet fever 1, diphtheria 9.

IOWA—Cedar Rapids.—Month of January, 1909. Population, 35,000. Total number of deaths from all causes 36, including typhoid fever 2, tuberculosis 3. Cases reported: Smallpox 3, scarlet fever 6, diphtheria 2.

MASSACHUSETTS—Newton.—Month of January, 1910. Population, 38,919. Total number of deaths from all causes 50, including diphtheria 1, tuberculosis, pulmonary, 1. Cases reported: Measles 4, smallpox 1, scarlet fever 9, diphtheria 8.

Worcester.—Month of November, 1909. Population, 143,333. Total number of deaths from all causes 181, including typhoid fever 1,

diphtheria 6, tuberculosis 9. Cases reported: Typhoid fever 1, measles 2, scarlet fever 13, diphtheria 51, tuberculosis 27.

Month of December, 1909. Total number of deaths from all causes 190, including typhoid fever 1, diphtheria 4, tuberculosis 28. Cases reported: Typhoid fever 3, measles 12, scarlet fever 14, diphtheria 43, tuberculosis 29.

MINNESOTA.—Month of November, 1909. Population, 1,751,658. Total number of deaths from all causes 1,441, including typhoid fever 46, smallpox 1, measles 1, scarlet fever 12, diphtheria 58, tuberculosis 134.

NORTH CAROLINA—*Charlotte*.—Month of January, 1910. Population, 45,455. Total number of deaths from all causes 56, including typhoid fever 1, smallpox 1, tuberculosis 5.

OREGON—*Portland*.—Month of December, 1909. Population, 255,000. Total number of deaths from all causes 165, including typhoid fever 6, diphtheria 2, tuberculosis 14. Cases reported: Typhoid fever 18, smallpox 4, measles 13, scarlet fever 54, diphtheria 33, tuberculosis, pulmonary, 11.

TEXAS—*El Paso*.—Month of December, 1909. Population, 50,000. Total number of deaths from all causes 98, including typhoid fever 2, tuberculosis 19. Cases reported: Typhoid fever 18, measles 1, scarlet fever 1, diphtheria 6.

Fort Worth.—Month of January, 1910. Population, 60,000. Total number of deaths from all causes 127, including diphtheria 1. Cases reported: Typhoid fever 9, smallpox 27, measles 18, scarlet fever 3, diphtheria 6.

San Antonio.—Month of December, 1909. Population, 100,000. Total number of deaths from all causes 223, including typhoid fever 4, tuberculosis 51. Cases reported: Typhoid fever 26, smallpox 5, scarlet fever 1, diphtheria 15, tuberculosis, pulmonary, 2.

UTAH.—Month of December, 1909. Population, 346,873. Total number of deaths from all causes 343, including typhoid fever 12, scarlet fever 17, diphtheria 5, tuberculosis 15. Cases reported: Typhoid fever 71, smallpox 156, measles 23, scarlet fever 389, diphtheria 51, tuberculosis 21 (incomplete).

FOREIGN AND INSULAR.

CHINA.

HONGKONG—Examination of Emigrants.

Acting Assistant Surgeon Hough reports, January 12:

Week ended January 8. Restrictions enforced by and against Hongkong remain as reported January 1.

Aliens for Honolulu and Pacific coast ports.—Examined 376; rejected 121.

Aliens for Philippine Islands.—Examined 13; rejected 3.

INSPECTION AND DISINFECTION OF VESSELS.

Week ended January 8.

Vessels granted bills of health.....	5
Total members of crews.....	534
Total cabin passengers.....	116
Total steerage passengers.....	355
Members of crew bathed.....	471
Steerage passengers bathed.....	344
Pieces of baggage disinfected.....	815
Vessels disinfected to kill rats.....	1
Crews' quarters disinfected:	
By formaldehyde.....	4
By sulphur.....	1

CUBA.

CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, February 7:

Week ended February 5. Vessels inspected 3. Bills of health issued 3. Members of crews of outgoing vessels inspected 95.

No quarantinable disease reported.

HABANA—Inspection of Vessels.

Acting Assistant Surgeon Villoldo reports, February 9 and 15:

Week ended February 5. Bills of health issued 30. Vessels inspected and passed 25. Members of crews of outgoing vessels inspected 1,259. Passengers of outgoing vessels inspected 995. Certificates of inspection of hides issued 6. Vaccination certificates issued 11.

The national department of sanitation reports 26,901 houses inspected and 10,749 water deposits petrolized or suppressed during the period from January 21 to 31.

Week ended February 12. Bills of health issued, 29. Vessels inspected, 24. Members of crews of outgoing vessels inspected, 1,311. Passengers of outgoing vessels inspected, 1,138. Certificates of inspection of hides issued, 5.

The national department of sanitation reports for the Island of Cuba for the 10 days ended January 10, 7 new cases of leprosy with 2 deaths, and 326 cases under treatment.

MATANZAS—Inspection of Vessels.

Acting Assistant Surgeon Nuñez reports, February 14:

Week ended February 12. Bills of health issued to 7 vessels bound for the United States.

The department of sanitation reports the inspection of 3,145 houses from February 1 to 10.

SANTIAGO—Inspection of Vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, February 9:

Week ended February 5. Bills of health issued to 8 vessels bound for the United States and its dependencies. No new case of quarantinable disease was reported. Two cases of leprosy were sent to Habana, leaving 2 cases still present in Santiago.

The department of sanitation reports 3,089 houses inspected.

HAWAII.**HONOLULU—Plague-prevention Work.**

Passed Assistant Surgeon Ramus reports, February 1:

The last case of human plague occurred at Honolulu July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, August 22, 1907.

Week ended January 29, 1910.

Total rats taken.....	463
Trapped.....	463
Found dead.....	0
Examined bacteriologically.....	343
Plague rats.....	0
Classification of rats trapped:	
<i>Mus alexandrinus</i>	73
<i>Mus musculus</i>	200
<i>Mus norvegicus</i>	37
<i>Mus rattus</i>	153
Average number of traps set daily.....	1, 294

HILO.

The last case of human plague occurred at Pepeekeo, Hilo, October 4, 1909. The last plague-infected rat was found at Pepeekeo, Hilo December 6, 1909.

Week ended January 29, 1910. One rat from Hilo was referred to the laboratory at Honolulu for bacteriological examination and is still under investigation.

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

Acting Assistant Surgeon Allan reports, January 20:

Week ended January 8. At Calcutta there were 15 deaths from cholera and 6 from plague; in all Bengal, 1,384 cases of plague with 1,093 deaths; in all India, 12,188 cases of plague with 10,515 deaths.

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Surgeon Geddings reports, January 31:

Vessels inspected at Naples and Palermo, week ended January 23.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Jan. 23	Regina d'Italia.....	New York.....	161	20	210
26	Venezia.....	do.....	369	60	420
27	Hamburg.....	do.....	359	55	530
27	Oceania.....	do.....	367	45	590
28	Calabria.....	do.....	110	18	190
29	Cedric.....	do.....	772	120	960
	Total.....		2, 138	318	2, 920

PALERMO.

Jan. 24	Regina d'Italia.....	New York.....	140	220	100
29	Calabria.....	do.....	131	250	50
	Total.....		271	470	150

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Jan. 23	Regina d'Italia.....	5	2	2		2	11
26	Venezia.....	16		5	2	6	29
27	Hamburg.....	12		5		5	22
27	Oceania.....	11	4	7	1	6	29
28	Calabria.....	5				1	6
29	Cedric.....	19	4	9		7	39
	Total.....	68	10	28	3	27	136

PALERMO.

Jan. 24	Regina d'Italia.....	13		10		1	24
29	Calabria.....	9		13		3	25
	Total.....	22		23		4	49

Smallpox in Naples.—During the week ended January 30, 15 cases of smallpox, with 5 deaths, were reported at the health office of the city of Naples.

JAPAN.

KOBE—Examination of Emigrants.

Acting Assistant Surgeon Smith reports, January 19:

Week ended January 15. Supplemental bills of health granted to 5 steamships. Members of crews inspected, 993; steerage passengers inspected, 1,513; members of crews bathed, 64; steerage passengers bathed, 26; pieces of baggage steamed, 221; bedding, 48; manifests

viséed for 79,934 pieces of freight, amounting to 6,331 tons. Emigrants per steamship *Manchuria* for Honolulu passed, 23; recommended for rejection, 27; for San Francisco, passed, 1; recommended for rejection, 2. The emigrants were 7 days in quarantine detention at Ono before embarkation.

PERU.

CALLAO—Fumigation of Vessels—Plague.

Acting Assistant Surgeon Castro-Gutierrez reports, January 31:

Week ended January 29. Four steamships, having an aggregate of 369 in crews and 162 cabin and 151 steerage passengers, were fumigated. Two cases of plague have occurred in Callao, 1 on January 28 and 1 on January 31.

PHILIPPINE ISLANDS.

MANILA—Cholera and Smallpox—Inspection of Vessels.

Chief Quarantine Officer Heiser reports, January 3 and 10:

Week ended December 25, 1909. In the city of Manila 17 cases of cholera, with 16 deaths, and 1 case of smallpox were reported: week ended January 1, 1910, 21 cases of cholera, with 16 deaths.

Cholera in the provinces.

WEEK ENDED DECEMBER 25, 1909.

Provinces.	Cases.	Deaths.
Bataan.....	8	7
Bulacan.....	5	5
Cavite.....	16	14
Cebu.....	54	40
Laguna.....	4	4
Pampanga.....	55	49
Rizal.....	2	1
Total.....	144	120

WEEK ENDED JANUARY 1, 1910.

Bataan.....	11	8
Bohol.....	2	2
Bulacan.....	3	3
Cavite.....	3	3
Cebu.....	12	11
Pampanga.....	26	24
Rizal.....	2	1
Total.....	59	52

Inspection of vessels.—Week ended December 25, 1909. December 21, the steamship *Sungkiang*, with 64 in crew and 59 passengers, en route from Hongkong to Cebu and Iloilo, granted a supplemental bill of health. December 23, the British steamship *Dakotah*, with 49 in crew, en route from Hongkong to San Francisco, granted a supplemental bill of health. Personnel inspected on board prior to sailing. December 23, the British steamship *Antiochus*, with 86 in crew, en route from Glasgow to Seattle and Tacoma, granted a supplemental bill of health. Personnel inspected and passed at hour of sailing.

December 23, the American steamship *Manchuria*, with 264 in crew and 90 cabin and 707 steerage passengers, granted a bill of health for San Francisco. Cargo inspected and manifests viséed. Personnel inspected and passed on board at hour of sailing. December 24, the Norwegian steamship *Solstad*, with 39 in crew, en route from Phnom Penh to Iloilo, granted a supplemental bill of health.

Week ended January 1, 1910. December 26, the Japanese steamship *Otaru Maru*, with 39 in crew, en route from Muke to Zamboanga, Jolo, Parang, and Iligan, granted a supplemental bill of health. December 27, the British steamship *Indrani*, with 58 in crew, granted a bill of health for Boston and New York via Cebu. Cargo inspected and passed and manifests viséed before sailing. No inspection of personnel was made on account of vessel's next port of call being Cebu, where final inspection of personnel will take place.

ILOILO—Inspection of Vessels.

Assistant Surgeon Hurley reports, January 3, through Chief Quarantine Officer Heiser:

Month of December, 1909. Forty-two vessels, having a total of 1,960 in crew and 410 cabin and 590 steerage passengers, were inspected. Of this number 31 vessels were from island ports. Bills of health were issued to 13 vessels. Eleven vessels were fumigated to destroy vermin, and 195 vaccinations were performed.

The port of Iloilo is free from the infection of Asiatic cholera and smallpox.

RUSSIA.

LIBAU—Examination of Emigrants—Smallpox—Plague in Russia.

Acting Assistant Surgeon De Forest reports, February 1:

Week ended January 31. For steamship *Russia*, sailing February 1, 186 passengers and 130 members of crew have been examined. Baggage inspected, 101 pieces.

At Libau 5 cases of smallpox are reported; at Astrakhan 16 cases of plague with 13 deaths.

VENEZUELA.

LA GUAIRA—Inspection of Vessels—Sanitary work.

Acting Assistant Surgeon Kellogg reports, January 30:

Week ended January 29. Vessels inspected: January 24, steamship *Zulia* for New York, with 51 in crew and 4 passengers taken on at this port; January 25, steamship *Normandie* for Colon, with 183 in crew and 55 passengers in transit and 5 taken on at this port; January 26, steamship *Philadelphia* for San Juan, with 63 in crew and 6 passengers taken on at this port.

The report of the bureau of public health at Caracas for the week ended January 29 shows as follows: Houses disinfected, 23; premises on which standing water was treated, 584; houses inspected, 288; dead inspected, 56; rats examined bacteriologically, 48. No plague-infected rats were found.

No quarantinable diseases are reported at La Guaira, Maiquetia, or Puerto Cabello.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended February 25, 1910.

[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.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Jan. 12-18.....	.....	2	
Calcutta.....	Jan. 2-8.....	.....	15	
Rangoon.....	Jan. 2-8.....	.....	1	
Java:				
Batavia.....	Jan. 2-8.....	2	.....
Persia:				
Astara.....	Dec. 10-15.....	1	.....
Philippine Islands:				
Manila.....	Dec. 19-Jan. 1.....	38	32	
Provinces—				
Bataan.....	Dec. 19-Jan. 1.....	19	15	
Bohol.....	Dec. 19-Jan. 1.....	2	2	
Bulacan.....	Dec. 19-Jan. 1.....	8	8	
Cavite.....	Dec. 19-Jan. 1.....	19	17	
Cebu.....	Dec. 19-Jan. 1.....	66	51	
Laguna.....	Dec. 19-25.....	4	4	
Pampagna.....	Dec. 19-Jan. 1.....	81	73	
Rizal.....	Dec. 19-Jan. 1.....	4	2	
Russia:				
Moscow.....	Jan. 16-22.....	1	1	
Siam:				
Bangkok.....	Nov. 28-Dec. 25....	3	3	

YELLOW FEVER.

Brazil:				
Manaos.....	Jan. 16-22.....	.....	4	
Para.....	Jan. 23-29.....	6	5	

PLAGUE.

Brazil:				
Bahia.....	Jan. 1-21.....	8	4	
Egypt:				
Provinces—				
Assiout.....	Jan. 19-26.....	2	.....
Beni Souef.....	Jan. 19-26.....	5	1	
Fayoum.....	Jan. 16-22.....	1	1	
Indo-China:				
Saigon.....	Dec. 19-25.....	1	1	
Japan:				
Kobe.....	Jan. 16-22.....	1	1	
Peru:				
Callao.....	Jan. 28-31.....	2	.....
Russia:				
Astrakhan.....	Jan. 24-31.....	16	13	

SMALLPOX.

Brazil:				
Bahia.....	Jan. 1-21.....	58	47	
China:				
Amoy.....	Jan. 2-8.....	.....	2	
Hankow.....	Dec. 26-Jan. 2.....	.....	1	
Germany, general	Jan. 22-29.....	4	.....
Great Britain:				
Liverpool.....	Jan. 30-Feb. 5.....	2	.....
London.....	Jan. 23-29.....	2	.....
Greece:				
Athens.....	Dec. 26-Jan. 29....	4	.....
India:				
Bombay.....	Jan. 12-18.....	.....	17	
Kurrachee.....	Jan. 9-15.....	3	.....
Rangoon.....	Jan. 2-8.....	.....	4	
Italy, general	Jan. 24-30.....	32	.....
Genoa.....	Jan. 15-31.....	3	.....
Naples.....	Jan. 24-30.....	15	5	
Java:				
Batavia.....	Jan. 2-8.....	2	.....

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

Reports Received During week Ended February 25, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Malta:				
Valetta	Jan. 9-15	1		
Mexico:				
Aguascalientes	Jan. 31-Feb. 6		6	
Chihuahua	Jan. 31-Feb. 13	2	1	
Guadalajara	Jan. 29-Feb. 4		2	
Persia:				
Arabistan	Dec. 6-31			Present.
Hamadan	Dec. 6-31			Present.
Kurdistan	Dec. 6-31			Present.
Philippine Islands:				
Manila	Dec. 19-25	1		
Portugal:				
Lisbon	Jan. 22-29	16		
Russia:				
Batoum	Dec. 1-31	5		
Libau	Jan. 24-30	5		
Moscow	Jan. 9-22	29	5	
Odesa	Dec. 26-Jan. 22	69	18	
St. Petersburg	Jan. 16-22	62	9	
Siam:				
Bangkok	Nov. 28-Dec. 25	1	1	
Spain:				
Barcelona	Jan. 25-31		8	
Vigo	Jan. 23-29		1	
Turkey:				
Smyrna	Dec. 2-31		11	

Reports Received from January 1 to February 18, 1910.

[For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany:				
Heydekrug	Nov. 19-Dec. 4	2		
Niederung	Nov. 16-22	1		
India:				
Bombay	Nov. 24-Dec. 28		13	
Calcutta	Nov. 14-Jan. 1		146	
Madras	Jan. 1-7		1	
Rangoon	Nov. 14-Jan. 1		35	
Java:				
Batavia	Nov. 14-Jan. 1	394	110	
Norway:				
Friedershalde	Dec. 31-Jan. 3	1	1	From a vessel from Riga.
Persia:				
Astara	Dec. 1-9	35	22	
Philippine Islands:				
Manila	Nov. 7-20	19	20	Third quarter, 1909. Cases 83, deaths 61.
Provinces				Third quarter, 1909. Cases 3,946, deaths 2,009.
Albay	Nov. 7-20	6	6	
Bataan	Nov. 7-20	115	73	
Bohol	Nov. 7-20	25	14	
Bulacan	Nov. 7-20	24	19	
Camarines	Nov. 7-20	5	5	
Capiz	Nov. 21-Dec. 18	3	2	
Cavite	Nov. 7-20	61	48	
Cebu	Nov. 7-20	207	156	Nov. 20, 1 case on s. s. Yaptico.
Leyte	Nov. 21-Dec. 18	14	11	
Oriental Negros	Nov. 7-20	10	5	
Pampanga	Nov. 7-20	8	5	
Rizal	Nov. 7-13	4	3	
Tarlac	Nov. 7-13	9	5	
Russia, general	Nov. 21-Jan. 15	439	201	
Baku, government	Nov. 21-Dec. 25	22	22	
Baku	Nov. 21-Jan. 15	27	17	
Don, territory	Nov. 28-Dec. 25	18	10	
Ekaterinslav, government	Nov. 21-Jan. 1	23	7	
Jaroslavl, government	Nov. 21-27		1	
Kaluga	Dec. 26-Jan. 1	1		

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

Reports Received from January 1 to February 18, 1910.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general—Continued.				
Kostroma, government.....	Nov. 21-27.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11.....	6		
Moscow, government—				
Moscow.....	Nov. 29-Jan. 15.....	255	114	
Pskov, government.....	Nov. 21-27.....	10		
St. Petersburg, government.....	Nov. 21-Dec. 18.....	14	12	
St. Petersburg.....	Nov. 21-Jan. 1.....	53	12	
Taurida, government.....	Nov. 21-Dec. 25.....	66	28	
Vitebsk, government.....	Nov. 21-27.....	2		
Siam:				
Bangkok.....	Oct. 28-Nov. 27.....	3	3	
Siberia:				
Vladivostok.....	Nov. 16-21.....	1		
Straits Settlements:				
Singapore.....	Dec. 19-Jan. 8.....		2	
Sumatra:				
Palembang.....	Sept. 20-Oct. 20.....	936	675	
Turkey in Asia:				
Trebizond.....	Nov. 28.....	1		On a vessel from Batum.

YELLOW FEVER.

Brazil:				
Manaos.....	Nov. 21-Jan. 15.....		17	
Para.....	Nov. 28-Jan. 22.....	30	27	
Ecuador:				
Babahoyo.....	Jan. 1-15.....	3		
Guayaquil.....	Dec. 1-Jan. 15.....	56	18	
Peru:				
Callao.....	Nov. 2-Dec. 2.....	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo.....	Dec. 20.....	1	1	
Trinidad:				
Port of Spain.....	Nov. 28-Dec. 4.....	1	1	

PLAGUE.

Brazil:				
Bahia.....	Nov. 20-Dec. 31.....	39	19	
Para.....	Nov. 28-Dec. 25.....	11	8	
Pernambuco.....	Oct. 15-Dec. 15.....		14	
Rio de Janeiro.....	Nov. 2-Dec. 26.....	15	2	
Santos.....	Nov. 1-Dec. 29.....	5	3	One case from bark Amazona, Dec. 1.
China:				
Hankow.....	Nov. 27-Dec. 7.....	20	20	
Hongkong.....	Nov. 21-27.....	1	1	
Ecuador:				
Babahoyo.....	Dec. 16-Jan. 15.....	14	2	
Guayaquil.....	Dec. 1-Jan. 15.....	164	64	
Milagro.....	Jan. 1-15.....	4	1	
Egypt:				
Alexandria.....	Nov. 19-Dec. 15.....	3	2	
Port Said.....	Nov. 30-Dec. 22.....	2	1	
Provinces—				
Assiout.....	Sept. 29-Jan. 13.....	25	9	
Behersch.....	Dec. 8-14.....	1		
Beni Souef.....	Dec. 16-Jan. 20.....	10	4	
Fayoum.....	Jan. 20.....	1		
Gallioobeh.....	Jan. 11-17.....	2	1	
Girgeh.....	Dec. 19-26.....	2	1	
Ghizeh.....	Dec. 19-Jan. 2.....	2		
Menouf.....	Nov. 28-Dec. 15.....	17	6	
Minieh.....	Dec. 21-27.....	3	1	
German East Africa:				
Mpwapa.....	Sept. 19-Oct. 5.....	7		
India:				
Bombay Presidency and Sind.....	Nov. 7-Jan. 1.....	7,897	5,459	
Madras Presidency.....	Nov. 7-Jan. 1.....	766	551	
Bengal.....	Nov. 7-Jan. 1.....	3,930	2,982	

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

Reports Received from January 1 to February 18, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
United provinces.....	Nov. 7-Jan. 1.....	18,488	17,101	
Punjab.....	Nov. 7-Jan. 1.....	9,252	7,552	
Burma.....	Nov. 7-Jan. 1.....	459	389	
Central provinces, including Berar.....	Nov. 7-Jan. 1.....	5,711	4,575	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Jan. 1.....	1,112	803	
Hyderabad State.....	Nov. 7-Jan. 1.....	105	81	
Central India.....	Nov. 7-Jan. 1.....	716	537	
Rajputana and Ajmer-Merwara.....	Nov. 7-Jan. 1.....	2,716	2,431	
Kashmir.....	Nov. 7-Dec. 4.....	140	96	
Grand total.....		51,297	42,538	
Indo-China:				
Saigon.....	Nov. 7-27.....	4	3	
Japan:				
Kobe.....	Nov. 28-Jan. 18.....	22	17	
Paraguay.....	Dec. 10.....		30	In the northern part.
Peru:				
Arequipa, department—				
Mollendo.....	Dec. 20-Jan. 1.....	1		
Lambayeque, department.....	Oct. 1-Dec. 9.....	29	10	
Libertad, department.....	Nov. 19-Dec. 9.....	25	3	
Lima, department.....	Oct. 22-Dec. 9.....	9	5	
Russia:				
Astrakhan, district.....	Dec. 5-Jan. 19.....	80	74	50 miles south of Belshulak.
Belshulak.....	Dec. 10-16.....	18	16	
Dshedda.....	Jan. 7.....			Present.
Libau.....	Dec. 3-9.....	1	1	
Uralsk, district.....	Nov. 25-Jan. 12.....	208	202	
Siam:				
Bangkok.....	Oct. 28-Nov. 27.....	5	5	
Straits Settlements:				
Singapore.....	Dec. 25-Jan. 1.....	2	2	
Turkey in Asia:				
Beirut.....	Nov. 29-Dec. 14.....	3		
Jiddah.....	Jan. 5-23.....	4	3	

SMALLPOX.

Algeria, general.....	Dec. 1-15.....	22		
Algiers.....	Nov. 1-Dec. 31.....		2	
Bona.....	Dec. 1-31.....	11	7	
Argentina:				
Buenos Aires.....	Oct. 1-Nov. 30.....		16	
Austria:				
Galicia.....	Jan. 1-8.....	1		
Vienna.....	Jan. 9-15.....	1		
Brazil:				
Bahia.....	Nov. 20-Dec. 31.....	117	65	
Pernambuco.....	Oct. 16-Dec. 15.....		136	
Rio de Janeiro.....	Nov. 2-Dec. 26.....	13		
São Paulo.....	Nov. 1-21.....		2	
Canada:				
Nova Scotia—				
Halifax.....	Dec. 19-25.....	2		
Chile:				
Antofagasta.....	Jan. 1.....			Present.
Quillota.....	Nov. 28-Dec. 4.....			Do.
Valparaiso.....	Nov. 20-Jan. 1.....			Do.
China:				
Amoy.....	Nov. 28-Dec. 25.....		2	
Canton.....	Dec. 12-Jan. 1.....	15		
Chang Cheun.....	Dec. 11.....			Do.
Chio Be.....	Dec. 11.....			Do.
Hankow.....	Dec. 19-25.....			Present among natives.
Shanghai.....	Nov. 1-Jan. 1.....		4	Among Chinese.
Cuba:				
Habana.....	Dec. 3-9.....	1		From s. s. La Navarre
Ecuador:				
Guayaquil.....	Jan. 1-15.....	2		
Egypt, general:				
Alexandria.....	Nov. 5-Dec. 31.....	395	115	
Alexandria.....	Nov. 5-Dec. 25.....	19	19	
Cairo.....	Nov. 26-Jan. 21.....	9	3	

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

Reports Received from January 1 to February 18, 1919.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
France:				
Paris.....	Dec. 5-Jan. 15.....	27	1	
Germany, general.....	Dec. 5-Jan. 22.....	53		
Königsberg.....	Dec. 12-Jan. 15.....	2	2	In vicinity.
Great Britain:				
Hull.....	Jan. 16-22.....	2		
Liverpool.....	Dec. 19-Jan. 15.....	7		
London.....	Nov. 28-Jan. 22.....	13		
Nottingham.....	Jan. 16-22.....	1		
Plymouth.....	Nov. 12-18.....		1	
Southampton.....	Nov. 12-18.....	1		
Greece:				
Athens.....	Nov. 22-Dec. 25.....		11	
Hawaii:				
Honolulu.....	Jan. 31-Feb. 4.....	3	1	2 cases Jan. 31 from U. S. S. Washington from Yokohama. 1 case Feb. 2 on s. s. Makura.
India:				
Bombay.....	Nov. 24-Jan. 11.....		43	
Calcutta.....	Nov. 14-Dec. 18.....		6	
Kurrachee.....	Jan. 2-8.....	2		
Madras.....	Dec. 18-Jan. 7.....		2	
Rangoon.....	Nov. 20-Jan. 1.....		14	
Indo-China:				
Saigon.....	Dec. 7-13.....	1		
Italy, general.....	Nov. 29-Jan. 23.....	147		
Genoa.....	Dec. 1-Jan. 15.....	13	1	
Milan.....	Jan. 1-16.....	1		
Naples.....	Dec. 6-Jan. 23.....	108	18	
Japan:				
Kobe.....	Dec. 12-25.....	1	1	
Java:				
Batavia.....	Dec. 12-Jan. 1.....	4	1	
Liberia:				
Monrovia.....	Nov. 28-Dec. 4.....	6		
Malta:				
Valetta.....	Dec. 12-Jan. 1.....	2	1	
Mexico:				
Aguascalientes.....	Dec. 12-Jan. 22.....		12	
Chihuahua.....	Dec. 13-Jan. 30.....	3	5	
Mexico.....	Nov. 14-Dec. 18.....		11	
Monterey.....	Nov. 13-19.....		1	
Netherlands:				
Rotterdam.....	Dec. 5-11.....	7		
Persia:				
Hamadan.....	Nov. 15.....			Present.
Sultanabad.....	Nov. 15.....			Do.
Teheran.....	Nov. 1-Dec. 2.....			Do.
Peru:				
Callao.....	Dec. 6-12.....			Do.
Philippine Islands:				
Manila.....	Nov. 14-Dec. 4.....	4		Third quarter, 1909—Cases, 5; deaths, 0.
Portugal:				
Lisbon.....	Dec. 5-Jan. 22.....	93		
Porto Rico, general.....	July 1-Oct. 31.....	38	12	
Russia:				
Libau.....	Dec. 6-Jan. 9.....	20		
Moscow.....	Nov. 21-Jan. 8.....	49	14	
Odessa.....	Nov. 21-Dec. 25.....	52	17	
Riga.....	Dec. 5-Jan. 8.....	28		Oct. 1-Nov. 30, 17 deaths.
St. Petersburg.....	Nov. 28-Jan. 15.....	302	93	
Warsaw.....	Oct. 24-Nov. 20.....		69	
Spain:				
Almeria.....	Nov. 1-Dec. 31.....		10	
Barcelona.....	Dec. 14-Jan. 24.....		11	
Huelva.....	Nov. 1-Dec. 31.....		17	
Madrid.....	Dec. 1-31.....		40	
Seville.....	Dec. 1-31.....		3	
Valencia.....	Jan. 9-29.....	2		
Tripoli:				
Tripoli.....	Nov. 14-Dec. 25.....	242	24	
Turkey:				
Constantinople.....	Jan. 2-9.....		1	
Turkey in Asia:				
Bagdad.....	Nov. 21-Dec. 11.....			Present.
Smyrna.....	Nov. 5-Dec. 1.....		31	
Uruguay:				
Montevideo.....	Oct. 1-Nov. 30.....		12	

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	Jan. 4	185,703	62									4		
Agua Calientes	Feb. 6	40,000	37	2				6						1
Aix-la-Chapelle	Jan. 15	161,532	51	4								1	1	
Amsterdam	Jan. 29	568,131	158	23							1	3	5	
Antwerp	Jan. 22	326,381	81	4							1	1	4	2
Do.	Jan. 29		75	1							1	2		1
Athens	do.	241,058	107	16					2		1	1	1	
Barcelona	Jan. 31	591,272	375	36			1	8		8	1	6		1
Batavia	Jan. 1	217,630	4											
Do.	Jan. 8		3							1				
Bergen	Jan. 29	87,749	21	3						1				2
Berlin	Jan. 15	2,121,912	551	84						1	9	19	2	9
Birmingham	Jan. 29	568,336	207							1	3	1		
Do.	Feb. 5		199							1	1	1		9
Bombay	Jan. 18	977,822	593	45	19	2		17		1			4	
Bradford	Jan. 15	295,865	85	7								2		
Do.	Jan. 22		98	8						1		1	1	1
Do.	Jan. 29		81	13							1	1	1	4
Bremen	Jan. 22	235,648	70	6							1	1	1	1
Do.	Jan. 29		69	7							1	2	2	1
Cairo	Jan. 28	704,836	395	30					5	3		2		
Calcutta	Jan. 8	847,796	517	33	6	15							1	
Cardiff	Dec. 11	195,303	56	4									1	1
Do.	Dec. 18		42	3							1	1	1	1
Do.	Dec. 25		56	7								1	2	
Do.	Jan. 1		62	6										2
Do.	Jan. 8	199,189	42	3							1	1		
Do.	Jan. 15	199,189	56	8						1	1			1
Do.	Jan. 22	199,189	52	5							1	1		
Do.	Jan. 29	199,189	59	6								1		
Chihuahua	Feb. 6	37,000	18	1				1						
Christiania	Feb. 29	236,000	81	9							2	2		
Coburg	Jan. 15	23,427	9	2										
Colombo	Dec. 25	183,872	126	13						5				
Do.	Jan. 1		153	11						2				
Do.	Jan. 8	187,564	110	7						2				
Constantinople	Jan. 23	1,000,000	256	33								2		
Do.	Jan. 30		253	41						6		1	2	
Copenhagen	Jan. 15	450,000	140	17							1	1		1
Do.	Jan. 22		131	9								1	1	
Dresden	do.	551,100	130	19							2	5		
Dublin	Jan. 15	394,525	177	25						1				5
Do.	Jan. 22		27									3		4
Do.	Jan. 29		29							2	1		1	1
Do.	do.		70	4								3		1
Dundee	Feb. 5	170,206	85	7								2		
Edinburgh	Jan. 29	355,366	110	12							1		8	1
Erfurt	Jan. 8	108,828	33	5								2		
Do.	Jan. 15		24	5								2		1
Geneva	Jan. 22	121,500	31									1		
Ghent	do.	165,475	52	4					1				1	
Glasgow	Feb. 4	872,021	326							2	3	3	44	2
Guadalajara	Jan. 28	125,000	99							2	1			
Do.	Feb. 4		89				2	1						
Guayaquil	Jan. 1	75,000	77	7	15		5	1						3
Do.	Jan. 8		63	9	8		6							
Do.	Jan. 15		63	3	13									1
Halifax	Feb. 12	50,000	14	3								1		
Hamburg	Jan. 22	895,804	234	19						1	2	4	6	3
Do.	Jan. 29		232	35								9	5	
Hull	do.	280,006	83								1		1	2
Karachi	Jan. 15	108,644	82		43									
Leeds	Jan. 29	490,985	147	15							1	2	1	4
Do.	Feb. 5		143	13							1	4		1
Leith	Jan. 29	86,767	35	5									1	1
Leipzig	Jan. 22	590,329	141	22					1			4		1
Liban	Jan. 30	90,000										1		
Liege	Dec. 25	175,968	45	5								1	3	
Do.	Jan. 22	176,893	48	10								1		

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Liverpool.....	Jan. 20	767,606	323	28						1	3	3	3
Do.....	Feb. 5		322	28						1	2	3	7
London.....	Jan. 29	7,537,196	2,093							3	13	15	24
Lyons.....	Jan. 15	500,000	168	35								3	1
Magdeburg.....	Dec. 18	252,783	67	9								1	1
Do.....	Dec. 25		64	7						1	2	3	2
Do.....	Jan. 1		77	9								1	1
Do.....	Jan. 8		77	9								3	
Do.....	Jan. 15	253,089	73	10								2	
Manchester.....	Jan. 29	631,533	263	28						1	1	2	
Madras.....	Jan. 14	509,346	351									2	
Manaos.....	Jan. 22	52,000	41	2			4						
Mexico.....	Jan. 15	400,000	346	24					6	1	1		1
Monterey.....	Feb. 6	100,000	50	5									1
Montreal.....	Feb. 12	389,837	154	17					7	4	3		1
Moscow.....	Jan. 15	1,335,104	857	96		2		3	10	7	51	35	30
Do.....	Jan. 22		759	110		1		2	7	3	27	24	27
Munich.....	Jan. 15	576,000	197	24							1	1	1
Nantes.....	Jan. 23	161,908	65	13						1			
Do.....	Jan. 30		57	6					1				
Naples.....	Jan. 29	593,729	311	13				5				2	
Newcastle on Tyne.....	do.....	281,584	84						1	1	1		
Nottingham.....	Jan. 22	260,000	94										1
Do.....	Jan. 29		76									2	1
Odessa.....	Jan. 1	520,000	217	28				3		5	15	12	3
Do.....	Jan. 8		186	15				4		5	9	5	3
Do.....	Jan. 15		243	29				4		3	15	3	10
Do.....	Jan. 22		219	24				7		3	9	11	4
Para.....	do.....	185,000	86	11			5						
Penang.....	Jan. 1	102,520	70	14					1				
Port of Spain.....	Jan. 8	60,000	37	5								1	1
Port Said.....	Jan. 28	61,961	46									1	
Rangoon.....	Jan. 8	252,155	187	8		1		4				2	
Rotterdam.....	Jan. 29	417,783	110								1		
Do.....	Feb. 5		141									1	
Saigon.....	Dec. 25	206,000			1								
St. Petersburg.....	Jan. 8	1,678,000	781	121				9		11	17	24	35
Do.....	Jan. 15		819	140				3	2	17	22	15	31
Do.....	Jan. 22		800	125				9		15	16	15	26
Santa Cruz de Teneriffe.....	Jan. 22	46,000	20	3									1
Santiago de Cuba.....	Feb. 6	45,497	21	1								2	
Sheffield.....	Jan. 29	472,000	128	7						1		1	
Do.....	Feb. 5		153	10						2			
Singapore.....	Jan. 1	271,060	161	22		1							
Do.....	Jan. 8		177	29									
Smyrna.....	Dec. 15	400,000	72	11				2					
Do.....	Dec. 22		109	28							4		
Do.....	Dec. 26		73	18				1		1			
Do.....	Dec. 31		79	26				4		4			
Southampton.....	Jan. 29	127,157	22	4								1	1
Do.....	Feb. 5		28									1	
Stettin.....	Jan. 22	239,000	70	4						3		2	
Stockholm.....	Jan. 8	339,582	90	14						3	3	3	
Do.....	Jan. 15		101	20						1	3	2	1
Do.....	Jan. 22		93	16								1	3
Talcahuana.....	Jan. 8	28,000									2		
Do.....	Jan. 15		2										2
Do.....	Jan. 22		3							2			
Trieste.....	Jan. 15	219,777	130									1	
Do.....	Jan. 22		138									1	2
Turin.....	Jan. 27	391,968	163	15						1		1	
Valencia.....	Jan. 29	240,000	135	5									
Veracruz.....	do.....	32,000	31	8									
Vienna.....	Jan. 15	2,085,888	84								2	4	5
Vigo.....	Jan. 29	40,000	12	1				1				1	
West Hartlepool.....	do.....	66,750	27									1	

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

CHILE—Punta Arenas.—Month of December, 1909. Population, 12,000. Total number of deaths from all causes, 28, including tuberculosis 4.

GREAT BRITAIN.—Week ended January 22.

England and Wales.—The deaths registered in 76 great towns correspond to an annual rate of 14.8 per 1,000 of the population, which is estimated at 16,713,617.

Ireland.—The number of deaths registered in 21 principal town districts of Ireland correspond to an annual rate of 19.1 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded at Sligo, viz, 4.8 and the highest at Newry, viz, 37.8 per 1,000.

Scotland.—The deaths registered in 8 principal towns having an aggregate estimated population of 1,864,194, correspond to an annual rate of 15.5 per 1,000. The lowest rate was recorded at Aberdeen, viz, 11.2, and the highest at Dundee, viz, 20.8 per 1,000. The total number of deaths from all causes was 563, including typhoid fever 4, measles 46, scarlet fever 2, diphtheria 8.

ITALY—Milan.—Period from January 15 to 31, 1910. Population, 900,000. Total number of deaths from all causes, 68, including typhoid fever 6, scarlet fever 1, tuberculosis 57.

MARTINIQUE—Fort de France.—Two weeks ended January 29, 1909. Population, 27,069. Total number of deaths from all causes, 39. No contagious diseases reported.

RUSSIA—Riga.—Month of November, 1909. Population, 355,000. Total number of deaths from all causes, 542, including typhoid fever 8, smallpox 12, measles 1, scarlet fever 36, diphtheria 9.

ST. THOMAS.—Two weeks ended January 22, 1909. Population, 11,012. Total number of deaths from all causes, 10, including typhoid fever 1, tuberculosis 1.

SOUTH AFRICA—Johannesburg.—Two weeks ended January 8, 1910. Population, 180,687. Total number of deaths from all causes, 130, including typhoid fever 2, scarlet fever 1, tuberculosis 21.

SOUTH EAST AFRICA—Lourenço Marquez.—Month of December, 1909. Population, 10,000. Total number of deaths from all causes, 42, including tuberculosis 7.

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.