

PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.

Date of last case of rodent plague: October 23, 1908.

Week ended May 29, 1909.

Sick inspected.....	5
Plague.....	0
Dead inspected.....	103
Plague.....	0
Premises inspected.....	2, 347
Houses disinfected.....	62
Houses destroyed.....	1
Nuisances abated.....	295
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Rats found dead.....	41
Rats trapped.....	2, 732
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Total rats taken.....	2, 773
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Rats identified:	
Mus norvegicus.....	1, 968
Mus rattus.....	115
Mus musculus.....	637
Mus alexandrinus.....	29
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Total.....	2, 749
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Rats identified as to sex:	
Male.....	972
Female.....	1, 061
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Total.....	2, 033
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Ground squirrels trapped.....	2
Rats examined bacteriologically.....	1, 758
Plague rats.....	0
Ground squirrels examined bacteriologically.....	2
Plague squirrels.....	0
Poisons placed.....	18, 145

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.

Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 22, 1909.

Dead inspected.....	21
Plague.....	0
Premises inspected.....	563
Premises reinspected (included in above).....	400
Nuisances abated.....	104
Premises cleaned.....	98
Places made rat proof.....	1
Garbage cans installed.....	5
Rats found dead.....	59
Rats trapped.....	763
Rats identified.....	851
Mus norvegicus.....	815
Mus rattus.....	3
Mus musculus.....	29
Mus alexandrinus.....	4
Rats examined bacteriologically.....	822
Plague rats.....	0
Mice examined bacteriologically.....	29
Plague mice.....	0

POINT RICHMOND, CAL.

Week ended May 22.

Premises inspected.....	350
Nuisances abated.....	21
Rats found dead.....	14
Rats trapped.....	98
Rats examined bacteriologically.....	101
Plague rats.....	0

ALAMEDA COUNTY, CAL.

Week ended May 22.

Dead inspected.....	44
Plague.....	0
Necropsies held.....	2

CONTRA COSTA COUNTY, CAL.

Week ended May 22.

Dead inspected.....	3
Plague.....	0
Ground squirrels shot.....	49
Ground squirrels trapped.....	11
Ground squirrels examined bacteriologically.....	60
Plague squirrels.....	0
Ranches inspected.....	15
Acres covered with poison.....	139½
Poisons placed.....	1 834

Plague-infected squirrel found in Contra Costa County, Cal.

Doctor Blue further reports:

June 7. Plague-infected squirrel found June 4 on Roots' Ranch, 2 miles from Lafayette, Contra Costa County.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports May 24:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 22.

Rats received.....	922
Rats necropsied.....	922
Plague rats found.....	0
Plague-infected rats to date.....	21

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA.—Month of April, 1909. Estimated population, 2,037,929. Total number of deaths reported to the state board of health, 2,616, corresponding to an annual death rate of 15.6 per 1,000 of population, including diphtheria 23, enteric fever 19, measles 12, scarlet fever 8, whooping cough 18, smallpox 1, and 422 from tuberculosis.

IOWA—*Cedar Rapids*.—Month of May, 1909. Estimated population, 35,000. Total number of deaths 32, including diphtheria 1, and 1 from tuberculosis. Cases: Smallpox 3, diphtheria 2, and measles 1.

FLORIDA.—Report from the state board of health of cases of communicable diseases for the week ended May 29, 1909, shows as follows: *Diphtheria*.—Jacksonville 3; Anthony and Ocala each 1 case. *Malaria*.—Crescent City 3; Jacksonville 19; Lake Butler 3; Tampa 9; Bayard, Live Oak, and Williston each 1 case. *Tuberculosis*.—Jacksonville 2; Tampa 3; Cocoa, Daytona, Fort George, Floral City, Lake Butler, Lakeland, Middleburg, Tallahassee, and White Springs each 1 case. *Enteric Fever*.—Blitchton and Jacksonville each 2 cases; Bayard, Fort Myers, and Live Oak each 1 case.

MONTANA.—Month of April, 1909. Estimated population, 280,000. Reports to the state board of health show as follows: Total number of deaths, 352, including diphtheria 11, enteric fever 4, scarlet fever 17, measles 1, and 14 from tuberculosis. Cases: Diphtheria 72, enteric fever 3, measles 214, scarlet fever 224, and smallpox 65.

NEW YORK—*Saratoga Springs*.—Month of May, 1909. Estimated population, 11,822. Total number of deaths 17. Cause of deaths not reported.

NEW JERSEY.—Reports to the state board of health for the month of May, 1909, show a total of 2,955 deaths, including diphtheria 56, enteric fever 14, measles 34, scarlet fever 45, whooping cough 27, and 390 from tuberculosis.

OHIO—*Cleveland*.—Month of March, 1909. Estimated population, 515,000. Total number of deaths 682, including enteric fever 6, measles 4, scarlet fever 2, whooping cough 4, diphtheria 5, and 76 from tuberculosis. Cases not reported.

Month of April, 1909. Total number of deaths, 623, including enteric fever 3, measles 4, scarlet fever 5, whooping cough 4, diphtheria 1, and 51 from tuberculosis.

PENNSYLVANIA—*Altoona*.—Month of May, 1909. Estimated population 60,000. Total number of deaths, 53, including diphtheria 1, and 3 from tuberculosis. Cases: Diphtheria 6, scarlet fever 17, and enteric fever 1.

South Bethlehem.—Month of May, 1909. Estimated population, 14,000. Total number of deaths, 42, including enteric fever 1, measles 3, whooping cough 1, and 4 from tuberculosis. Cases: Scarlet fever 3, measles 86, whooping cough 2, and tuberculosis 2.

RHODE ISLAND—*Newport*.—Month of January, 1909. Estimated population, 25,000. Total number of deaths, 26, including 4 from pulmonary tuberculosis. Cases: Diphtheria 12, scarlet fever 1, and pulmonary tuberculosis 1.

Month of February, 1909. Total number of deaths, 34, including 3 from pulmonary tuberculosis. Cases: Diphtheria 2, scarlet fever 5, and pulmonary tuberculosis 4.

Month of March, 1909. Total number of deaths, 39, including 5 from pulmonary tuberculosis. Cases: Diphtheria 4, measles 3, scarlet fever 13, enteric fever 1, and pulmonary tuberculosis 2.

Month of April, 1909. Total number of deaths, 38, including 7 from pulmonary tuberculosis. Cases: Diphtheria 3, scarlet fever 6, and pulmonary tuberculosis 5.

WASHINGTON—*Seattle*.—Month of March, 1909. Estimated population, 276,000. Total number of deaths, 181, including enteric fever 3, scarlet fever 3, diphtheria 1, and 25 from tuberculosis. Cases: Diphtheria 18, smallpox 4, scarlet fever 37, measles 33, enteric fever 6, and tuberculosis 16.

WISCONSIN—*Milwaukee*.—Month of April, 1909. Estimated population, 370,000. Total number of deaths, 452, including enteric fever 11, scarlet fever 8, diphtheria 12, measles 2, whooping cough 1, and 36 from tuberculosis. Cases: Smallpox 32, tuberculosis 77, diphtheria 64, scarlet fever 111, enteric fever 31, and measles 275.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to June 11, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.	
Alabama:					
Autauga County.....	Feb. 27-Apr. 5.....	11		86 cases year 1908.	
Prattville.....	Feb. 27-Apr. 5.....	3			
Dallas County.....	Feb. 20-Apr. 12.....	12			
Selma.....	Feb. 28-Apr. 12.....	26			
Jefferson County— Birmingham.....	Mar. 1-May 24.....	11			
Mobile County— Mobile.....	Jan. 12-Apr. 17.....	8			
Montgomery County— Montgomery.....	Mar. 13-Apr. 2.....		2		
Tuscaloosa County.....					
Total for State.....		71	2		
Arizona:					
Winslow.....	May 1-3.....	1	1		
Total for State.....		1	1		
Arkansas:					
Allbrook.....	Jan. 1-Mar. 25.....	40			
Bethel.....	Jan. 25.....	3			
Jonesboro.....	Jan. 20-Mar. 1.....	20			
Little Rock.....	Dec. 15-Jan. 2.....	23			
Magnolia.....	Jan. 5-13.....	25			
Paragould.....	Feb. 1-Mar. 9.....	27			
Texarkana.....	Nov. 26-Jan. 11.....	10			
Total for State.....		148			
California, general:					
Berkeley.....	Nov. 1-Mar. 31.....		5		
Berkeley.....	Apr. 18-24.....	1			
Los Angeles.....	Dec. 6-May 15.....	23	1		
Oakland.....	Nov. 1-Apr. 26.....	18			
Sacramento.....	Nov. 1-May 15.....	62			
San Francisco.....	Dec. 13-May 22.....	37			
Stockton.....	Nov. 1-May 1.....	13			
Total for State.....		154	6		
Colorado, general:					
Archuleta County.....	July 1-Feb. 23.....	57			
Boulder County.....	July 1-Dec. 31.....	1			
Boulder County.....	Mar. 1-31.....	2			
Chaffee County.....	July 1-Mar. 31.....	2			
Clear Creek County.....	Mar. 1-31.....	1			
Conejos County.....	Mar. 1-31.....	2			
Denver County— Denver.....	July 1-Mar. 31.....	18			
Douglas County.....	July 1-Dec. 31.....	5			
Fremont County.....	July 1-Dec. 31.....	1			
Garfield County.....	Mar. 1-31.....	3			
Huerfano County.....	July 1-Mar. 31.....	12			
Larimer County.....	July 1-Dec. 31.....	1			
Las Animas County.....	Mar. 1-31.....	5			
Logan County.....	Mar. 1-31.....	3			
Mesa County.....	Mar. 1-31.....	2			
Morgan County.....	July 1-Mar. 31.....	13			
Phillips County.....	July 1-Dec. 31.....	4			
Pueblo County.....	Mar. 1-31.....	38			
Weld County.....	July 1-Mar. 31.....	20			
Total for State.....		190			
District of Columbia:					
Washington.....	Dec. 28-May 29.....	13			
Total for District.....		13			

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Georgia:				
Bibb County—				
Macon.....	Mar. 14–May 30....	40		
Cobb County.....	Jan. 16–Feb. 7.....	8		
Fulton County—				
Atlanta.....	Jan. 15–May 21....	62		And vicinity.
Paulding County.....	Jan. 16–Feb. 7.....	15		
Total for State.....		125		
Illinois:				
Alexander County—				
Cairo.....	Jan. 7–Mar. 31....	233		
Delta.....	Feb. 1–28.....	40		
Fayville.....	Feb. 1–28.....			Present.
Thebes.....	Jan. 1–Feb. 28....	6		
Bureau County—				
Ladd.....	Nov. 1–30.....	4		
Carroll County—				
Savanna.....	Feb. 1–Mar. 31....	3		
Cass County.....	Feb. 1–Mar. 31....	4		
Champaign County.....	Mar. 1–31.....	1		
Christian County—				
Edinburg.....	Feb. 1–Mar. 28....	27		
Taylorville.....	Aug. 1–Mar. 31....	55		
Clinton County—				
Boulder.....	Feb. 1–28.....	1		
Carlyle.....	Jan. 1–31.....	1		
Coles County—				
Charleston.....	Jan. 1–30.....	1		
Cook County—				
Chicago.....	Jan. 3–May 29....	13	1	
Fayette County.....	Mar. 1–31.....	3		
Franklin County—				
West Frankfort.....	Dec. 12–Feb. 13....	15		
Fulton County—				
Canton.....	Jan. 1–Feb. 28....	55		
Cuba.....	Jan. 1–31.....	1		
Farmington.....	Mar. 1–31.....	25		
Lewiston.....	Jan. 1–Mar. 31....	26		
Norris.....	Feb. 1–Mar. 31....	19		
Jackson County.....	Feb. 1–21.....	2		
Murphysboro.....	Jan. 1–Mar. 31....	70	1	
Jasper County.....	Jan. 1–31.....			Present in Smallwood and South Muddy townships.
Newton.....	Jan. 1–31.....	1		
Jo Daviess County—				
Galena.....	Jan. 1–31.....	3		
Kane County—				
St. Charles.....	Jan. 1–Mar. 31....	2		
Kankakee County—				
Grant Park.....	Jan. 1–31.....	1		
Knox County—				
Galesburg.....	Feb. 14–May 15....	11		
Lake County.....	Mar. 1–31.....	1		
Waukegan.....	Feb. 2–26.....	3		
Livingston County.....	Feb. 1–28.....	3		
McLean County—				
Bloomington.....	Jan. 1–Mar. 31....	14		
Macon County.....	Feb. 1–Mar. 31....	7		
Decatur.....	Jan. 1–Mar. 31....	20		
Macoupin County.....				
Benld.....	Feb. 15–18.....	2		
Palmyra.....	Dec. 25–Jan. 20....	4		
Scottsville.....	Dec. 25–Jan. 20....	12		
Madison County—				
Alton.....	May 1–Apr. 30....	3		
Marion County—				
Centralia.....	July 1–Jan. 20....	53		
Kinmundy.....	Mar. 1–31.....	2		And vicinity.
Odin.....	Jan. 1–31.....	1		
Sandoval.....	Jan. 1–Mar. 31....	3		
Mason County.....	Jan. 1–Mar. 31....	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis.....	Jan. 1–Mar. 31....	6		
Mercer County.....	Jan. 1–31.....	1		In North Henderson Township.
Montgomery County.....	Jan. 1–31.....	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville.....	Feb. 5–11.....	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 20-Apr. 30	77		Present in Glassford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-May 28	23		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-May 30	91		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,297	2	
Indiana:				
Allen County	Dec. 1-Mar. 31	2		
Fort Wayne	Jan. 10-May 8	9		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Mar. 31	36		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Delaware County	Dec. 1-Jan. 31	61		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Mar. 31	20		
Elkhart	Jan. 17-Mar. 6	8		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Mar. 31	6		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Feb. 28	12		
Howard County	Jan. 7-Feb. 28	9		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Mar. 31	2		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 30	10		
Miami County	Dec. 1-Jan. 31	8		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Montgomery County	Feb. 1-28	2		
Noble County	Jan. 1-31	11		
Posey County	Feb. 1-28	3		
Rush County	Dec. 1-Feb. 28	43		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-Feb. 28	3		
St. Joseph County	Dec. 1-Feb. 28	32		
South Bend	Mar. 23-May 29	15		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Feb. 28	91		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Jan. 31	4		
Vanderburg County— Evansville	Jan. 10-May 15	11		
Vermillion County	Mar. 1-31	4		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-Feb. 28	38		
Warrick County	Feb. 1-28	1		
Wayne County	Nov. 1-Mar. 31	17		
Wells County	Feb. 1-28	58		
White County	Mar. 1-31	14		
Total for State		788	1	
Iowa, general.				
Burlington	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 31	18		
Council Bluffs	July 1-May 16	36	2	
Davenport	Apr. 12-May 30	5		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-30	1		
Total for State		156	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Mar. 31	6		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb. 1-Mar. 31	7		
Chautauqua County	Feb. 1-Mar. 31	19		
Cherokee County	Jan. 1-Mar. 31	30		
Clark County	Mar. 1-31	5		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Mar. 31	130		
Decatur County	Jan. 1-Mar. 31	12		
Doniphan County	Mar. 1-31	15		
Douglas County	Mar. 1-31	3		
Finney County	Feb. 1-28	2		
Ford County	Jan. 1-Mar. 31	4		
Franklin County	Dec. 1-Mar. 31	4		
Greenwood	Feb. 1-Mar. 31	24		
Harvey County	Nov. 1-Mar. 31	6		
Jackson County	Nov. 1-Mar. 31	106		
Jefferson County	Dec. 1-Mar. 31	23		
Jewell County	Dec. 1-Mar. 31	30		
Labette County— Parsons	Jan. 1-Mar. 31	11		
Lane County	Jan. 1-31	4		
Lincoln County	Mar. 1-31	1		
Lyon County	Feb. 1-28	8		
McPherson County	Jan. 1-31	1		
Marion County	Mar. 1-31	1		
Marshall County	Jan. 1-Mar. 31	4		
Mitchell County	Feb. 1-28	2		
Montgomery County	Nov. 1-Mar. 31	20		
Nemaha County	Dec. 1-Feb. 28	3		
Ness County	Mar. 1-31	5		
Osage County	Feb. 1-Mar. 31	39		
Osborne County	Mar. 1-31	4		
Phillips County	Dec. 1-Mar. 31	9		
Pottawatomie County	Nov. 1-Mar. 31	70		
Pratt County	Dec. 1-31	20		
Rawlins County	Mar. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Republic County	Mar. 1-31	3		
Riley County	Nov. 1-30	2		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Rooks County.....	Jan. 1-31.....	3		
Saline County.....	Nov. 1-Mar. 31.....	57		
Sedgwick County.....	Feb. 1-Mar. 31.....	9		
Wichita.....	Mar. 7-May 29.....	32		
Shawnee County.....	Nov. 1-Mar. 31.....	120		
Topeka.....	June 7-Apr. 3.....	128		
Sheridan County.....	Dec. 1-Jan. 31.....	11		
Smith County.....	Feb. 1-Mar. 31.....	8		
Stafford County.....	Dec. 1-31.....	1		
Sumner County.....	Nov. 1-Mar. 31.....	11		
Thomas County.....	Jan. 1-31.....	2		
Wallace County.....	Jan. 1-31.....	2		
Wabaunsee County.....	Jan. 1-Mar. 31.....	8		
Wilson County.....	Nov. 1-30.....	5		
Wyandotte County— Kansas City.....	Jan. 3-May 29.....	78		
Total for State.....		1,225	1	
Kentucky:				
Anderson County.....	Oct. 1-Jan. 20.....	200	1	Including Lawrenceburg.
Berea.....	Feb. 1-Apr. 2.....	20		
Covington.....	Dec. 29-May 22.....	37		
Fulton.....	Feb. 1-Mar. 22.....	27		
Georgetown.....	Dec. 2-Mar. 4.....	31		
Henderson.....	May 1-31.....	2		Jan. 1-June 30, 1908, 7 cases.
Lexington.....	Dec. 28-May 29.....	54		
Newport.....	July 1-May 22.....	73	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah.....	Jan. 24-May 15.....	56		
Total for State.....		500	2	
Louisiana:				
Alexandria.....	Feb. 1-28.....	9		
Arcadia Parish.....	Dec. 20-Jan. 11.....	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans.....	Dec. 20-May 29.....	58		Mainly imported.
Shreveport.....	Jan. 1-20.....	32	1	
Winnfield.....	Jan. 1-Mar. 24.....	33		And vicinity.
Total for State.....		162	1	
Maine:				
Cyr plantation.....	Oct. 16-24.....	11		
Frenchville.....	Nov. 11-Dec. 5.....	2		
Grand Isle (Grant Isle).....	Oct. 16-Dec. 12.....	26		
St. Agatha.....	Oct. 24-Dec. 26.....	1		
St. David.....	Dec. 13-19.....	1		
Upper Frenchville.....	Oct. 25-Nov. 11.....	2		
Van Buren.....	Oct. 18-May 22.....	98		
Total for State.....		149		
Maryland:				
Baltimore.....	Mar. 18-21.....	10		House of Correction, Bridewell.
	Jan. 30-Feb. 6.....	1		
Total for State.....		11		
Massachusetts:				
Boston.....	Mar. 14-20.....	2		
Haverhill.....	Mar. 14-20.....	1		
Lawrence.....	Mar. 7-13.....	1		
New Bedford.....	Jan. 30-Mar. 13.....	3	1	
Northfield.....	Apr. 1-24.....	2		
Somerville.....	May 16-22.....	1		
Total for State.....		10	1	
Michigan:				
Barry County.....	Nov. 1-Dec. 31.....	5		
Cheboygan County.....	Dec. 1-31.....	4		
Delta County.....	Nov. 1-30.....	1		
Eaton County.....	Dec. 1-31.....	1		
Ingham County— Lansing.....	Nov. 1-Dec. 31.....	11		
Ionia County.....	Dec. 1-31.....	2		
Kalamazoo County.....	Dec. 1-31.....	3		
Kent County— Grand Rapids.....	Jan. 24-May 29.....	11		
Lapeer County.....	Dec. 1-31.....	2		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-May 22	26		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		103		
Minnesota:				
Becker County	Dec. 7-13	1		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-Nov. 23	11		
Carver County	Dec. 7-13	6		
Cass County	Oct. 12-Dec. 7	1		
Chippewa County	Nov. 3-9	1		
Cottonwood County	Oct. 20-26	1		
Dodge County	Nov. 24-Dec. 7	2		
Faribault County	Dec. 7-13	1		
Hennepin County	Oct. 6-12	1		
Minneapolis	Nov. 1-Apr. 30	116		
Hubbard County	Oct. 19-Dec. 7	11		
Jackson County	Dec. 7-13	1		
Lac qui Parle County	Nov. 2-Dec. 13	3		
Lyon County	Nov. 16-Dec. 13	2		
Morrison County	Nov. 20-Dec. 13	20		
Nicollet County	Nov. 16-Dec. 13	3		
Norman County	Dec. 7-13	5		
Pipestone County	Dec. 7-13	6		
Ramsey County	Nov. 16-Dec. 7	2		
St. Paul	Nov. 1-Mar. 31	200		
Renville County	Dec. 1-7	1		
St. Louis County—				
Duluth	Nov. 9-May 27	31		
Sibley County	Dec. 7-13	9		
Stearns County	Nov. 9-Dec. 7	4		
Steele County	Oct. 20-Dec. 7	4		
Stevens County	Nov. 9-Dec. 13	12		
Todd County	Nov. 9-Dec. 13	3		
Wabasha County	Nov. 2-Dec. 7	10		
Wadena County	Nov. 2-Dec. 13	15		
Waseka County	Oct. 26-Dec. 7	9		
Washington County	Nov. 24-31	1		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	1		
Winona	Dec. 1-Feb. 28	8		
Yellow Medicine County	Oct. 20-26	1		
Total for State		507		
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-May 29	26		
Mirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Neosho	Mar. 15	6		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 29	32		
Springfield	Nov. 1-Feb. 28	3		
Total for State		189		
Montana:				
Beverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Great Falls	Apr. 25-May 1	1		
Chouteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Apr. 30	33		
Deer Lodge County	Apr. 1-30	3		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-Apr. 30	3		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Gallatin County	Nov. 1-Apr. 30	27		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Apr. 30	6	1	
Park County	Jan. 1-Apr. 30	18		
Livingston	Apr. 1-30	7		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Apr. 30	22		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Apr. 30	40	1	
Butte	Mar. 16-May 27	57		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-Mar. 31	2		
Total for State		348	3	
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1-Apr. 30	46		
Polk	Mar. 20-Apr. 23	14		And vicinity.
South Omaha	Dec. 20-Apr. 10	15		
Total for State		76		
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15	6		
West Chesterfield	Nov. 1-Dec. 15	1		
West Lebanon	Jan. 15-Feb. 7	2		
Westmoreland	Nov. 1-Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21-May 8	16		
Haddonfield	Mar. 26-27	2		
Hightstown	Mar. 3	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7-May 22	12		
Paterson	Mar. 16-Apr. 2	8		
Perth Amboy	Mar. 4-Apr. 29	30		
Plainfield	Mar. 7-Apr. 10	6		
Trenton	Apr. 25-May 1	2	1	
Woodbridge	Mar. 6-26	1		
Total for State		79	1	
New York, general				
	Nov. 1-Mar. 31	232	2	Including Amsterdam, Bridgeport, Broome, Cicero, Gardner, and Middleburg.
Buffalo	Feb. 14-Mar. 20	4		
Little Falls	Apr. 10-May 8	4		
Mohawk Valley			1	Year 1908.
New York	Feb. 21-Apr. 3	6	1	
Niagara Falls	Feb. 7-May 1	2		
Rome	Jan. 1-31	1		
Schenectady	Feb. 7-13	1		
Syracuse	Jan. 9-31	3		
Total for State		253	4	
North Carolina:				
Ashe County	Jan. 1-31	7		
Bertie County	Nov. 1-Feb. 28	3		
Camden County	Jan. 1-Feb. 28	50		
Catawba County	Nov. 1-Dec. 31	4		
Craven County	Feb. 1-28	2		
Currituck County	Nov. 1-Jan. 31	34		Present in February.
Duplin County	Dec. 1-Feb. 28	68		
Edgecombe County	Dec. 1-31	1		
Forsyth County	Feb. 1-28	18		
Harnett County	Feb. 1-28	16		
Johnston County	Nov. 1-Feb. 28	19		
Jones County	Jan. 1-31	3		
Lee County	Feb. 1-28	10		
Lenoir County	Dec. 1-Feb. 28	60		
Lincoln County	Dec. 1-31	1		
Madison County	Jan. 1-Feb. 28	7		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Martin County.....	Feb. 1-28.....	9		
Mecklenberg County— Charlotte.....	May 8-14.....	1		
Nash County.....	Jan. 1-Feb. 28.....	2		
New Hanover County— Wilmington.....	Jan. 22-Mar. 1.....	4		Imported.
Pasquotank County.....	Nov. 1-Feb. 28.....	129		
Pitt County.....	Jan. 1-31.....	2		
Rowan County.....	Feb. 1-28.....	1		
Sampson County.....	Jan. 1-Feb. 28.....	31		
Scotland County.....	Jan. 1-31.....	6		
Warren County.....	Feb. 1-28.....	3		
Wayne County.....	Jan. 1-Feb. 28.....	27		
Total for State.....		518		
North Dakota				
Ward County.....	July 1-Feb. 19.....	168		
Sherwood.....	Jan. 12-Mar. 31.....	27		
Sherwood.....	Jan. 12-Mar. 31.....	46		
Total for State.....		241		
Ohio, general				
Ashtabula.....	June 14-Jan. 2.....	337		
Cincinnati.....	Apr. 11-May 29.....	12		
Cleveland.....	Dec. 12-June 4.....	266	2	
Cleveland.....	Feb. 28-Apr. 30.....	6		
Columbus.....	Dec. 26-May 29.....	19		
Conneaut.....	Mar. 1-Apr. 29.....	3		
Dayton.....	Jan. 24-Feb. 20.....	5		
Hillsboro.....	Apr. 14-June 2.....	61		
Massillon.....	May 10-16.....	1		
Newark.....	3		Year 1908.
Sandusky.....	May 9-15.....	1		
Tiffin.....	Jan. 3-23.....	2		
Toledo.....	May 2-8.....	1		
Warren.....	May 2-8.....	1		
Total for State.....		718	2	
Oregon:				
Clackamas County.....	Sept. 1-Feb. 28.....	6		
Columbia County.....	Jan. 1-31.....	6		
Harney County.....	Sept. 1-30.....	1		
Hood River County.....	Jan. 1-31.....	4		
Jackson County.....	Oct. 1-Dec. 31.....	9		
Lane County.....	Dec. 1-31.....	10		
Linn County.....	Sept. 1-Oct. 31.....	5		
Marion County.....	Sept. 1-Feb. 28.....	16		
Multnomah County.....	Dec. 1-31.....	5		
Portland.....	Nov. 1-Mar. 31.....	100		
Polk County.....	Sept. 1-Feb. 28.....	14		
Tillamook County.....	Oct. 1-31.....	1		
Umatilla County.....	Sept. 1-Jan. 31.....	9		
Wallowa County.....	Oct. 1-Feb. 28.....	8		
Washington County.....	Oct. 1-Feb. 28.....	39		
Yamhill County.....	Sept. 1-Feb. 28.....	19		
Total for State.....		252		
Pennsylvania:				
Gracedale.....	Oct. 24.....	1		
Harrisburg.....	Dec. 18-Jan. 20.....	3		
New Castle.....	Feb. 1-28.....	2		
New Kingstown.....	Dec. 29.....		Present.
Philadelphia.....	Dec. 10-May 21.....	2		
Pittsburg.....	Dec. 13-May 22.....	2		Imported.
Prompton.....	Jan. 2-Feb. 10.....	3		
Total for State.....		13		
South Carolina:				
Winnsboro.....	Feb. 1-28.....	5		
Yorkville.....	Mar. 10-Apr. 26.....	14	8	And vicinity.
Total for State.....		19	8	
South Dakota:				
Aberdeen.....	May 1-Jan. 31.....	43		
Total for State.....		43		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Fayette County.....	Dec. 1-Mar. 28.....	200		Including Greenville.
Greene County.....	Jan. 2.....	103		
Knoxville.....	Dec. 28-May 15.....	39		
Memphis.....	Jan. 1-Mar. 13.....	190	1	
Murfreesboro.....	Mar. 15-31.....	1		
Nashville.....	Dec. 20-May 29.....	49		
Polk County.....	Jan. 22.....	30		
Total for State.....		612	1	
Texas:				
Corpus Christi.....	Apr. 2.....			Present.
Cost.....	Oct. 1-Dec. 19.....			Do.
Cotulla.....	Jan. 25-Feb. 17.....			Do.
Denton County.....	Jan. 1-Feb. 8.....	9		Including Justin and Roanoke.
El Paso.....	Feb. 10-Mar. 16.....	8	1	
Falfurrias.....	Dec. 26.....	12		
Fort Worth.....		256		Year 1908.
Do.....	Feb. 1-May 26.....	48	1	
Galveston.....	Mar. 6-May 28.....	9		
Goliad County.....	Dec. 1-Jan. 20.....	25		
Hidalgo County.....	Jan. 30-May 1.....	16		
Houston.....	Jan. 1-Mar. 27.....	9		
Laredo.....	Dec. 26-Mar. 19.....	6		
Monthalia.....	Oct. 1-Dec. 19.....			Present.
Oak Forest.....	Oct. 1-Dec. 19.....			Do.
San Antonio.....	Dec. 13-May 29.....	108	1	
San Augustine County.....	Jan. 5.....			Do.
Waco.....	May 21.....	4		Imported.
Total for State.....		510	3	
Utah:				
Beaver County.....	Feb. 1-28.....	2		
Carbon County.....	Feb. 1-28.....	1		
Cache County.....	Jan. 1-Apr. 30.....	77		
Davis County.....	Nov. 1-Apr. 30.....	40		
Emery County.....	Feb. 1-28.....	4		
Garfield County.....	Dec. 1-Apr. 30.....	48		
Millard County.....	Jan. 1-Mar. 31.....	9		
Salt Lake County.....	Dec. 1-Mar. 31.....	170		
Salt Lake City.....	Dec. 1-Apr. 30.....	371	1	
Sanpete County.....	Dec. 1-Apr. 30.....	6		
Sevier County.....	Jan. 1-Mar. 31.....	88		
Summit County.....	Dec. 1-Apr. 30.....	33		
Tooele County.....	Apr. 1-30.....	3		
Utah County.....	Dec. 1-Apr. 30.....	5		
Weber County.....	Nov. 1-Feb. 28.....	26		
Total for State.....		883	1	
Vermont:				
Brattleboro.....	Dec. 5-Jan. 30.....	59		And vicinity.
Newfane.....	Jan. 11.....	8		
West Windsor Township.....	Jan. 23.....	2		
White River Junction.....	Jan. 4-Feb. 9.....	3		
Total for State.....		72		
Virginia:				
Caroline County.....	Mar. 9.....	1		Present in October, 1908.
Lithia.....	Mar. 1-Apr. 28.....	100		And vicinity.
Lynchburg.....	Jan. 10-30.....	3		Imported.
Norfolk.....	Feb. 5-17.....	3		On tug E. W. Marts.
Fort Royal.....	Dec. 28-Jan. 14.....	3		
Portsmouth.....	Apr. 21-May 25.....	7	2	
Richmond.....	Mar. 14-May 1.....	3	1	Death in county hospital.
Total for State.....		120	3	
Washington:				
Bellingham.....	Jan. 25-Mar. 23.....	10		
Camas.....	Dec. 29-Mar. 8.....	18		
Colville Indian Reservation.....	Feb. 15-Apr. 6.....	118	3	
Seattle.....	Oct. 1-Mar. 31.....	30		
Spokane.....	Dec. 6-May 22.....	51	1	
Tacoma.....	Dec. 14-May 30.....	72		
Total for State.....		299	4	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
West Virginia:				
Charleston.....	Jan. 1-31.....	1		Present.
Moundsville.....	Jan. 1-31.....			
St. Albans.....	Feb. 16-Apr. 12.....	19		
Weston.....	Jan. 15-Feb. 13.....	1		
Wheeling.....	May 9-29.....	2		
Total for State.....		23		
Wisconsin:				
Adams County.....	July 1-Sept. 30.....	3		
Ashland County.....	Oct. 1-Dec. 31.....	4		
Barron County.....	July 1-Dec. 31.....	41		
Buffalo County.....	Oct. 1-Dec. 31.....	1		
Chippewa County.....	July 1-Dec. 31.....	28		
Columbia County.....	Oct. 1-31.....	18		
Dane County.....	July 1-Sept. 30.....	1		
Dodge County.....	July 1-Sept. 30.....	1		
Douglas County.....	July 1-Dec. 31.....	49		
Superior.....	Apr. 25-May 1.....	3		
Dunn County.....	July 1-Dec. 31.....	4		
Fond du Lac County.....	July 1-Dec. 31.....	6		
Green County.....	July 1-Dec. 31.....	4		
Iron County.....	July 1-Sept. 30.....	2		
Juneau County.....	Oct. 1-Dec. 31.....	2		
Kewaunee County.....	July 1-Sept. 30.....	1		
La Crosse County—				
La Crosse.....	Dec. 13-May 8.....	50		
La Fayette County.....	Oct. 1-Dec. 31.....	1		
Manitowoc County.....	Oct. 1-Dec. 31.....	33		
Manitowoc.....	Dec. 13-Feb. 27.....	14		
Marathon County.....	July 1-Sept. 30.....	2		
Marinette County—				
Marinette.....	May 23-29.....	1		
Milwaukee County—				
Milwaukee.....	Dec. 6-May 22.....	198		
Monroe County.....	July 1-Sept. 30.....	12		
Outagamie County—				
Appleton.....	Mar. 6-Apr. 17.....	3		
Ozaukee County.....	July 1-Sept. 30.....	3		
Pierce County.....	July 1-Dec. 31.....	37		
Folk County.....	July 1-Dec. 31.....	4		
Racine County.....	Oct. 1-Dec. 31.....	1		
Racine.....	Mar. 21-Apr. 10.....	6		
Richland County.....	Oct. 1-Dec. 31.....	1		
Rusk County.....	July 1-Sept. 30.....	3		
Sheboygan County.....	July 1-Dec. 31.....	123		
St. Croix County.....	Oct. 1-Dec. 31.....	12		
Vernon County.....	Oct. 1-Dec. 31.....	6		
Total for State.....		678		
Grand total for the United States.....		11,701	52	

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

[For smallpox, see special tables.]

Cities.	Week ended—	Popula- tion, United States census, 1900.	Total deaths from all causes.		Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	May 29	38,973	17	7	1				4							
Ann Arbor, Mich.	do.	14,509	2	2			1						7		1	
Ashtabula, Ohio.	do.	12,949	6													
Auburn, N. Y.	May 8	30,345	8	1	1											
Do.	May 15	30,345	15	2					1		1					1
Do.	May 22	30,345	8	2												
Baltimore, Md.	May 29	508,957	180	13	15	3	1	10			13	4	133	2	19	5
Bath, Me.	do.	10,477							1		1		3			
Bayonne, N. J.	do.	32,722							1		4		4			
Beaver Falls, Pa.	do.	13,000					2						2			
Berkeley, Cal.	May 22	13,214	6										1			
Biddeford, Me.	May 29	16,145	5	1	1											
Binghamton, N. Y.	June 1	38,647	18	2	3											
Birmingham, Ala.	May 22	38,415	25	7	6	2	1		1	1			8			
Do.	May 29	38,415	14	8	8	1							1		3	8
Boston, Mass.	do.	560,892	206	45	23	3	1	32	2	47	4	80	1	8		
Bridgeport, Conn.	do.	70,996	18	2	2			5				8				
Brockton, Mass.	do.	40,063	11	2			1	1				9		1		
Butte, Mont.	May 27	30,470	11					4		2						
Cambridge, Mass.	May 29	91,886	32	9	9			5		4		10		3		
Camden, N. J.	do.	75,935	29	1				5		3						
Camden, S. C.	do.	2,441	2				1						1	1		
Carbondale, Pa.	do.	13,536	4										3			
Charlotte, N. C.	May 28	18,091	10				1					17	1		1	
Chelsea, Mass.	May 29	34,072	9	1	2			2				4				
Chicago, Ill.	do.	1,698,575	654	67	102	23	6	91	8	75	10	470	8	23		8
Chicopee, Mass.	do.	19,167	9													
Cincinnati, Ohio.	May 27	325,902		15	9	1		4	1	5		13				
Cleveland, Ohio.	May 28	381,768	114	25	12	3		9		10		157	1	18		1
Clinton, Mass.	May 29	13,667	4	1	1											
Columbus, Ga.	do.	17,614	6		2											
Columbus, Ohio.	do.	125,560	45	29	9	8		3				22		1		
Concord, N. H.	May 22	19,632	8							1		93				
Council Bluffs, Iowa.	May 31	25,802	9		1	7				1		1				
Covington, Ky.	May 29	42,938	9		3			2								
Danville, Ill.	May 30	16,534	8									1			1	
Davenport, Iowa.	do.	35,254								4	2	47				
Dayton, Ohio.	May 29	85,333	25		3							30				
Duluth, Minn.	May 27	80,000	27	5	1		1	35	2	18	2	1				
Dunkirk, N. Y.	May 29	11,616	6	1		1						1				
Elmira, N. Y.	do.	35,672	9	18		3		1		1		9				
Elkhart, Ind.	do.	15,184	6					2								
Erie, Pa.	do.	52,733	28	2	2	3		6	1	1	1	87	4	9		1
Evansville, Ind.	do.	59,007	11		1	5				3						
Everett, Mass.	do.	24,336	8	2	1			3				12				
Fall River, Mass.	do.	104,863	21	8	2	3		2		1		6				
Findlay, Ohio.	do.	17,613	4		1											
Galesburg, Ill.	do.	18,007	7					3		7						
Galveston, Tex.	May 28	37,789	13	1				1		1						
Glens Falls, N. Y.	May 29	13,543											11			
Gloucester, Mass.	do.	26,121	8													
Grand Rapids, Mich.	do.	87,565	35			3		10				4		4		1
Greensboro, N. C.	do.	10,035	10		2	2				1						
Hammond, Ind.	do.	12,376	3	4						1		3				
Harrison, N. J.	do.	10,596	4	1	1			2		1						
Haverhill, Mass.	do.	37,175	12	1	1			1		8		5				
Hoboken, N. J.	do.	59,364				1		2	1	1						
Hyde Park, Mass.	do.	13,244	3									1				
Indianapolis, Ind.	May 30	169,164	49	7	4	2		3				52				1
Jacksonville, Fla.	May 29	28,429	18	3	1	3	1									
Jersey City, N. J.	May 30	206,433	83	2	14			12	1	5		16	1	3		
Johnstown, Pa.	May 29	35,936	15					1	1	1		29				
Kalamazoo, Mich.	do.	24,404	21	1	1							11			1	1
Kansas City, Kans.	do.	51,418	25		4	1						20				
Kansas City, Mo.	do.	163,752	54		5			16	2	5	2	28		2		
Kearny, N. J.	do.	10,896	3					1		4		1				
Kingston, N. Y.	do.	24,535	11													
Knoxville, Tenn.	do.	32,637	16	3	3	1	1	1				3				
La Crosse, Wis.	do.	28,895	8		2			1								
Lafayette, Ind.	May 31	18,116	4													
Lawrence, Mass.	May 29	62,559	29	4	4			1	3			31	1			

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

Cities.	Week ended—	Popula- tion United States census, 1900.	Total deaths from all causes.	Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Leavenworth, Kans..	Apr. 24	20,733	7	1	1			3		1		2			
Do.....	May 8	20,733	6									3			
Do.....	May 15	20,733	3							1					
Do.....	May 22	20,733	3	3				1				2			
Lebanon, Pa.....	May 29	17,628	7		1					1		6			
Lexington, Ky.....	do.....	26,369	12		3			1						1	
Los Angeles, Cal..	May 22	102,479	69	7	8	2		8	1	6	1	8			
Lowell, Mass.....	May 29	94,969	38	2	4	1		2		7	1	4			
Lynchburg, Va.....	do.....	18,891				2								1	
Macon, Ga.....	May 30	22,746	9												
Malden, Mass.....	May 29	33,664	13		1			2		2		3			
Manchester, N. H..	do.....	56,987	27	3	3					5	1	2			
Manitowoc, Wis.....	do.....	11,786	3												
Mansfield, Ohio.....	do.....	17,650	4					1							
Massillon, Ohio.....	do.....	11,944	2					4	1						
Medford, Mass.....	do.....	18,244	3		1			1		1					
Melrose, Mass.....	May 22	12,962	1		1			2		1				1	
Mobile, Ala.....	May 29	38,469	24			18	3			1				3	4
Montclair, N. J.....	do.....	13,962	3	2											
Montgomery, Ala.....	May 28	30,346	11		2			2				1			
Moline, Ill.....	May 30	17,248	6		1										
Mount Vernon, N. Y.	May 29	21,228	8	1	2	1						1			
Muncie, Ind.....	do.....	20,942	9	1	1	1		2							
Nanticoke, Pa.....	May 30	12,616	4					1				6			
Nashville, Tenn.....	May 29	80,805	46	2	2	2		1							
Newark, N. J.....	do.....	246,070				18	4	52	6	15	2				3
New Bedford, Mass.	do.....	63,442	24	5				4		4		4			1
New Brunswick, N. J.	do.....	20,006						2				3			
Newburyport, Mass.	do.....	14,478	4	6		2									
New London, Conn..	May 22	17,548	5		1							1		2	
Do.....	May 29	17,548	8	1				1							
New Orleans, La.....	do.....	278,104	153	14	12	8	2	60	4	4	1	4			
Newton, Mass.....	do.....	33,587	14					6		2		42			
New York, N. Y.....	do.....	3,437,202	1,333	510	152	28	12	273	21	313	45	1,671	25	66	8
Niagara Falls, N. Y.	do.....	19,457	9		2	2		4				7			
North Adams, Mass.	do.....	24,200	9		1										
Oakland, Cal.....	May 24	66,960	30	5	2	5		6		3		6			
Orange, N. J.....	May 29	24,141	10	2	4			10	1		1	3			
Ottumwa, Iowa.....	Apr. 10	18,197	4		1										
Do.....	Apr. 17	18,197	4												
Do.....	Apr. 24	18,197	8		2										
Do.....	May 1	18,197	3												
Do.....	May 8	18,197	6		1										1
Do.....	May 15	18,197	5												
Do.....	May 22	18,197	6												
Do.....	May 29	18,197	13		1										
Palmer, Mass.....	do.....	7,801	1					3				3			
Peeckskill, N. Y.....	do.....	10,358	5		1			3				7			
Philadelphia, Pa.....	May 22	1,293,697	448	169	67	89	11	58	5	82	12	239	7	35	2
Pittsburg, Pa.....	May 29	321,616	153	48	13	12	6	9	4	4	1	32	32	2	
Pittsfield, Mass.....	do.....	21,766	4	1		2		2							
Plainfield, N. J.....	do.....	15,369	5	4	2			4							
Plymouth, Pa.....	do.....	13,649								3		3			
Portland, Me.....	May 1	50,145	11		2										1
Do.....	May 8	50,145	11					3		1		1			1
Do.....	May 15	50,145	19	2	3										
Do.....	May 22	50,145	25	2	3			1				1			
Do.....	May 29	50,145	14	3	1										
Portsmouth, N. H..	do.....	10,637	1									1			
Portsmouth, Va.....	June 1	17,427	12		1	1		1							
Pottstown, Pa.....	May 29	13,696	5				1	1				1			
Providence, R. I.....	do.....	175,597	62	7	10			10		7		2			1
Racine, Wis.....	do.....	29,102	10							1					
Reading, Pa.....	May 31	78,961	18	2		10		2	4	1					
Rockford, Ill.....	May 29	31,051						1		1					
Rock Island, Ill.....	do.....	19,493	2							1					
Saginaw, Mich.....	May 15	42,345	12	2	2					1		2			
Do.....	May 22	42,345	13	1	1										
St. Louis, Mo.....	May 29	575,238	190	39	24	4	1	14	2	23	2	397	10	5	
Salem, Mass.....	do.....	35,956										1			
San Antonio, Tex.....	May 22	53,321				2									
Do.....	May 29	53,321						1							
San Francisco, Cal..	May 22	342,782	134	36	18	4		10		13		47	3	17	2
Schenectady, N. Y.	May 29	31,682	19	3	3					3		1			1
Shamokin, Pa.....	do.....	18,202	3			2		1		1		9			

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

Cities.	Week ended—	Popula- tion United States census, 1900.	Total deaths from all causes.	Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Somerville, Mass.....	May 29	61,643	25	5	1	2	11	9	21	1					
South Bend, Ind.....	do	35,999	14	1	1		2	1							
South Bethlehem, Pa. ^a	June 1	13,241	16	1	1		1					30	3		
Spokane, Wash.....	May 22	38,848	40		2		45	11	12	5		35	1		
Springfield, Ill.....	May 28	34,159	7												
Springfield, Mass.....	May 29	62,059	18	2	4	1			7			23			
Springfield, Ohio.....	do	38,253	14	6	3										
Steelton, Pa.....	do	12,068	5	1					1			2			
Superior, Wis.....	do	31,091	9				26		1						
Taunton, Mass.....	do	31,036	7	4	2		5	1				28			
Terre Haute, Ind.....	Apr. 24	36,673	18		4	1			1						
Do.....	May 1	36,673	18		3	1						1			
Do.....	May 29	36,673	12	1	2										
Titusville, Pa.....	do	8,244	1												
Trenton, N. J.....	do	73,307		6	3	17		1		2					
Walla Walla, Wash.....	do	10,049	2												
Waltham, Mass.....	do	23,481	9		2	1	1		1	1		11		1	
Warren, Pa.....	May 24	8,043	3	1	1	1						4			
Washington, D. C.....	May 29	278,718	104	20	11	16	3	11	1	4	1	26		22	
Weymouth, Mass.....	do	11,324	4									2			
Wheeling, W. Va.....	do	38,878	19	2	1	1	2		1			9			
Wichita, Kans.....	May 22	24,671										38			
Do.....	May 29	24,671					2					22	1		
Wilkes-Barre, Pa.....	May 28	51,721	19				2		4			56			
Wilksburg, Pa.....	do	13,000	1			2	1								
Wilmington, Del.....	May 29	76,508	19		6	1				1					
Winona, Minn.....	June 1	19,714			1										
Woburn, Mass.....	May 29	14,254	2		1										
Worcester, Mass.....	do	118,421	44	7	4	1		1	2			1		1	
York, Pa.....	do	33,708		5			5		1			1			
Zanesville, Ohio.....	do	23,538	4			7									

^a Report covers nine days.

FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

CHOLERA.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, May 5, 12, 19, and 26, 1909.]

BULGARIA.—May 8. European Russia declared free of cholera, except St. Petersburg city and government. Travelers from the said city or government are subject to careful medical inspection and to medical supervision at their places of permanent or transient destination.

SWEDEN.—April 26. The territory of the Don Cossacks declared free from cholera.

PLAGUE.

AUSTRIA-HUNGARY.—April 29. The maritime sanitary authorities at Trieste declared the measures ordered August 6, 1908, relative to plague in Port of Spain and Trinidad suspended.

BELGIUM.—May 3. Measures ordered to prevent introduction of bubonic plague from Venezuela suspended.

EGYPT.—April 17 and 20. Plague measures against arrivals from the Arabian coast of the Red Sea with the exception of Jiddah and also against Calicut suspended. May 5. Plague measures against Jiddah suspended.

PORTUGAL.—April 20. Port of Maranhao in Brazil declared plague infected.

PERSIA.—May 3. Five days' quarantine declared at Bushire against arrivals from Bassorah.

TURKEY.—April 20. Measures now in force against arrivals from Persian ports of the Persian Gulf replaced by medical inspection at the first Turkish port provided with a sanitary physician. April 26. Measures against arrivals from the littoral between Lith and El Wedj suspended. Arrivals from Jiddah still subject to medical inspection at the first Turkish port provided with a sanitary physician.

ALGERIA.

Report from Algiers—Status of typhus fever.

Consul Johnson reports, May 22:

There have been no new cases of typhus fever and no deaths reported since the close of the past week. The total number of deaths since the outbreak, corrected to date, is 36, of which 13 occurred in April and 23 in May.

(See Public Health Reports, June 4, 1909, p. 781.)

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, April 30:

Algiers.—April 15–30: Rodents taken by the maritime sanitary service, 580; examined by the laboratory of health, 114; result, negative. Classification of rats: *Mus norvegicus*, 455; *Mus rattus*, 50; *Mus alexandrinus*, 0; *Mus musculus*, 75.

Rat fleas determined.—*Pulex cheopis* on *Mus norvegicus*, 4; on *Mus rattus*, 27. *Ctenopsylla musculi* on *Mus norvegicus*, 21; on *Mus rattus*, 12. *Ceratophyllus* on *Mus rattus*, 27.

BELGIAN KONGO.

Report from Boma—Sleeping sickness—Measures to prevent spread inadequate.

The following is received from Consul-General Handley, under date of April 10:

SLEEPING SICKNESS IN BELGIAN KONGO.

To check the progress of this terrible scourge in the Kongo is an important and difficult problem. While the disease has been known to exist in various forms for the last 60 or more years on the west coast of Africa, it was not until the opening up of the Kongo by Stanley's expedition and other agencies that the disease was carried on beyond Leopoldville and to the upper reaches of the river, from which it rapidly spread to all parts of the Kongo basin, making a special nidus in the Katanga and Kasai districts in the east and south, the Ituri forests on the northeast, and along the Aruwimi and Kwango rivers. While these locations are the center of infection, there is probably not a district in the whole of the Kongo that is entirely exempt from the disease.

The matter is becoming very urgent to those who take an interest in the commercial development of Africa, as the spread of the disease is attaining such proportions as may almost end in the depopulation of the Kongo basin and the Uganda Protectorate, while the extension of the malady into British Central Africa and the Egyptian Sudan is also a matter of concern.

The area of sleeping sickness seems to be limited to the range of one or more species of tsetse fly that frequent parts of Central Africa where there are heavy rainfalls and abundant vegetation.

The fly which conveys the trypanosomes causing the disease has at present a range extending from the Senegal and Gambia to the Bahr-al-Ghazal, the eastern shore of the Victoria Nyanza, and the west coast of Lake Rudolf up to the river Amo. Southward it apparently covers the whole Kongo basin up to Lake Tanganyika and the Zambezi watershed. Benguela is probably the southernmost limit of sleeping sickness on the Angola coast.

The general appearance of the tsetse fly is not unlike the ordinary house fly found in the United States. Its color is darkish brown. The veins of the wings are brown, and the back of the abdomen is blackish brown. When at rest it is easily distinguished from the

ordinary house fly, owing to the manner in which it folds its wings over its back. It is never seen (unlike the house fly) with separated wings except when in flight.

The part of Belgian Kongo most seriously affected at the present time by this scourge is probably the district of Katanga, in the southeastern part of the country. Here the disease has developed to such an extent that whole villages have been decimated by the ravages of the terrible malady. Many villages have been deserted along the Lualaba River, which passes through one of the richest agricultural sections, and which a few years ago was one of the most densely peopled regions of the Katanga. Thousands of cases of sleeping sickness in various stages of development exist in that part of the country. Europeans in traveling on the Luvua and Lualaba rivers are often compelled to go gloved and veiled as a protection from the tsetse. The enormous spread and great increase of the disease in the Katanga in recent years has been due, in a great degree, to the increase in travel following the opening up of the country. Hundreds of caravans that yearly come from Stanleyville and Ponthierville in the north and from Lusambo in the western part of the Kasai district pass through Kasongo and Ankoro on their way to Lakes Tanganyika and Moero, traversing the most infected part of the Katanga.

A large number of cases are reported on the Luvua river at Ankoro, Kiambi, and Pweto, and the spread of the infection from the latter place into Rhodesia should be a matter of great concern to those interested in the welfare of that country.

The infected area in the Kasai district is probably of less extent than in the Katanga, but it is now gradually covering the entire district, and is particularly virulent at Kabinda, where there is a lazaretto for the disease. Around Luluabourg it has depopulated the country to a great extent.

At Luebo, where the American Presbyterian Mission is located, there have not been many cases until within the last few years, but there is no doubt that unless strong measures for its suppression are adopted by the government the death rate will be fully as high there as elsewhere, especially as this is a densely populated district. For some time past there has been an unofficial lazaretto at Luebo, which has been a veritable pesthouse, existing under the most unfavorable surroundings, the inmates having inadequate shelter and food. The mission has asked for an official lazaretto to be established here, as the nearest official place for these unfortunates is at Lusambo, a distance of 250 miles by trail. In this district the disease seems to be confined mainly to the waterways. On the rivers the tsetse flies are so numerous and voracious that the Europeans while traveling are often forced to wear woolen clothes as a protection against their bite. Many of the native villages have been abandoned and the huts are in ruins. Here and there may be seen a village with a few natives in the final stages of the disease, the remnant of a once-flourishing fishing village.

The spread of the disease within the last five years over most of the Belgian Kongo is due, to a large degree, to the system of transportation, the shifting of the native soldiers from one district to another, and, primarily, the great lack of medical attendance and a sufficient number of lazarettoes. Away from the rivers all the

goods and produce are transported on the heads of natives. The natives are formed into caravans, numbering from a very few to several hundred, and are often a month on one trip. They generally traverse the main caravan routes, along which are numerous native villages, where they come in contact with the inhabitants and members of other caravans coming and going from more or less infected parts of the country. It is principally in this manner that the disease is disseminated and that it reaches all sections of the country. To-day the old caravan routes in the Katanga are nearly depopulated and a source of great danger.

Of the 10,000 or more native soldiers in the Kongo a large percentage are infected, more or less, with sleeping sickness. In the central part of the district of Boma, where there is a military camp, sleeping sickness is epidemic. A lazaretto is established and a number of patients are under treatment.

At Boma there are 2 hospitals and 2 doctors, maintained by the government, one for the white population and the other for the natives. The hospital for the former is situated on a high and comparatively healthy spot in the center of the town, and is well kept. An Italian doctor is in attendance. Since only a few cases of sleeping sickness among the white inhabitants have occurred, this hospital is devoted principally to the treatment of government officials, many of whom are sent here for treatment from the interior.

The hospital for the natives is situated just outside of the town. A white superintendent, who is not a doctor, is in charge. A Norwegian doctor makes 2 visits a day, morning and evening, and the nurses are native men. The hospital is composed of several small, well-built stone buildings; walls and floors are of cement, and easily kept clean. The patients with contagious disease are isolated in the different buildings, although I observed that some of them had access to the main courtyard and mingled with the other patients. In each building is arranged, on both sides, a row of iron cots, on each of which is a blanket, the only bed covering provided for the patients.

Of the 147 patients in the hospital at the time of my visit last month, 47 were affected with sleeping sickness in all stages of the disease. Twenty of the number are government laborers and 10 are soldiers. Some of the patients only slightly infected are sent out daily to do light work for the government, returning to the hospital at night.

In one of the wards every cot was occupied by men and children in the last stages of the sickness. Some of them were able to move, speak, and take a little food, but the majority lay motionless staring into space, living skeletons awaiting death. The deaths number about 12 a month.

The present hospital, with only a part of the attention of one doctor, assisted by untrained native attendants, is entirely inadequate to cope with the rapidly increasing number of cases of sleeping sickness that are constantly finding their way to Boma. The morning I visited the hospital there were at least 25 cases from outside, mostly in the first and second stages of the disease, resting on the steps at the entrance of the hospital, waiting the arrival of the doctor. Some of this number go there once a month for treatment, which is believed to give them

temporary relief. A lazaretto is being constructed not far from this hospital, to be used exclusively for sleeping-sickness patients. The separation of these from the other patients will be a great improvement.

Several expeditions have been sent out here at different times and under different auspices to study the disease, and while some progress has been made, yet much remains to be done before it can be said that the disease, with its cause and prevention and cure, is fully in hand. Some months ago it was widely announced by European doctors that certain arsenic compounds, especially atoxyl, had proven almost specifics, but after months of faithful trial by the American, Italian, and Norwegian doctors here—the latter being in charge of the native hospital—no marked improvement has been seen to follow the treatment as recommended by authorities on the disease. The outlook is not at all encouraging. Contrary to what was once claimed, it is now well established that foreigners here can become victims of this dreaded disease.

The greatest problem is to prevent the spread of the infection. One case is a source of danger to all within a considerable distance, for scientific research shows that the trypanosome is conveyed by the tsetse very much as malaria is now known to be carried by certain kinds of mosquitoes. The native fails to recognize the disease until its later stages, when it is too late to save him. It is very difficult to persuade natives of the importance of segregating those infected. The local government has established in the vicinity of a few of its large posts lazarettoes, or places for segregating those in the immediate vicinity who have become infected. But this is a local measure, and it by no means even touches great districts where no effort is being made to prevent the spread of the ravaging disease.

CHINA.

Report from Amoy—Leprosy, plague, and smallpox—Epidemic plague at Chang Poo—Preventive inoculation.

Passed Assistant Surgeon Foster reports, April 26:

Week ended April 24. No bills of health issued.

Leprosy, plague, and smallpox are present in Amoy.

Plague is reported to be epidemic at Chang Poo, a city about 30 miles south of Amoy. The number of cases is not stated, but the mortality is said to be considerable. The inhabitants of Chang Poo are being inoculated with Haffkine prophylactic as a preventive measure.

(See Public Health Reports, April 30, 1909, p. 569.)

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended May 29. Estimated population, 8,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 23	Greenbrier.....	New Orleans via Bocas....	48	0	0
23	Limon.....	Boston.....	44	1	0
24	Prinz Joachim.....	New York.....	138	137	4
25	Nicoya.....	do.....	52	13	0
26	Cartago.....	New Orleans.....	91	15	55
26	Citta de Milano.....	Ponce, P. R.....	83	10	198
29	Karen.....	24	2	0

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, May 24:

Week ended May 22.

Vessels inspected.....	2
Bills of health issued.....	2
Members of crews inspected.....	37

No quarantinable diseases have been reported.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, May 31:

Week ended May 29. Bills of health granted to 4 vessels clearing for United States ports. All these vessels left in good sanitary condition. No quarantinable diseases were reported in this district during the week.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, May 26:

Week ended May 22. Bills of health issued to 7 vessels bound for the United States. No vessel fumigated. No quarantinable disease reported.

GUATEMALA.

Report from Puerto Barrios, fruit port—Stegomyia—Water famine.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 22. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week very good.

Few *Stegomyia calopus* present. Water famine.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 19	Preston.....	New Orleans.....	37	2	1
21	Jose.....	New York.....	32	5	4
22	Parismina.....	New Orleans.....	91	52	62

Temperatures taken of all persons on New Orleans steamers day of sailing.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, May 15, through Chief Quarantine Officer Hobby:

HONOLULU.

Week ended May 15.

Total rats taken.....	564
Trapped.....	562
Found dead (rattus).....	2
Examined bacteriologically.....	466
Plague infected.....	0
Classification of rats trapped:	
Mus alexandrinus.....	73
Mus musculus.....	265
Mus norvegicus.....	124
Mus rattus.....	100
Average number of traps set daily.....	1,408
Number of poisons placed (barium carbonate).....	60

HONDURAS.

Report from Ceiba, fruit port—Local sanitary condition—Stegomyia.

Acting Assistant Surgeon Jumel reports:

Week ended May 26. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good. *Stegomyia calopus* present. Local sanitary conditions are worse than at any time during the current year.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 21	Joseph Vaccaro.....	32	1	3	0
22	Colombia.....	19	0	0	0
26	Viator.....	17	0	0	0

Temperature of all persons on above-named vessels taken at time of clearance.

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Ames reports as follows:

Week ended May 25. Present officially estimated population about 2,500. General sanitary conditions of this port and the surrounding country not reported. No quarantinable disease.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected
May 25	Agnella.....	17	6		
17	Mercator.....	17			
19	John Wilson.....	18			
21	Fjell.....	16			
21	Utstein.....	17			
26	Harry T. Inge.....	31			

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 22. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 16	Harald.....	Mobile.....	20	0	0
21	Colombia.....	do.....	19	0	0

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, May 6:

During the week ended May 1 a bill of health was issued to the steamship *Rabenfels* bound to Boston and New York with a total crew of 56. The usual precautions were taken, the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended April 24. There were 98 deaths from cholera, 117 from plague, and 131 from smallpox in Calcutta.

In Bengal there were 231 cases of plague with 207 deaths.

In India during the same period there were 4,681 cases of plague with 4,007 deaths.

JAPAN.

Reports from Yokohama—Inspection of vessels—Plague infection in rats generally diffused.

Passed Assistant Surgeon Cumming reports, May 12:

Week ended May 8. Bills of health issued to 3 steamships having an aggregate personnel of 86 saloon, 407 steerage, and 304 members of crews.

The sanitary condition of this city is bad, plague-infected rats being found practically in every section of the city. The source of infection is not known.

The bathing and observation of steerage passengers and disinfection of their baggage are continued; also the attempt to control, in some measure, freight. All vessels for America, except the fortnightly Nippon Yusen Kaisha steamships for Seattle, lie in the open bay and these vessels carry rat guards. The principal danger is from sick rats carried on board in straw packing.

Plague in Yokohama—Measures taken to prevent spread—Plague-infected rats in Yokohama and Kioto.

Doctor Cumming further reports, May 15 and 18:

May 15. Three cases of plague with 2 deaths were reported in this city during the two days just passed. One was a young man employed in carrying night soil and the other cases were 2 young women, sisters, one of whom worked in a handkerchief factory in a distant part of the city while the younger one remained at home. The district is distant from the harbor front, but canals traverse and connect all parts of the city.

The sanitary authorities have isolated the neighboring residents and they are disinfecting all houses in the vicinity. They have also placed the factory and its contents in quarantine.

Plague-infected rats continue to be found in nearly all parts of the city except the water front and export godowns, which the authorities state have not been infected.

Quarantine officers at Seattle, Honolulu, and San Francisco have been notified of the outbreak of plague. Precautions are being taken against infection of vessels and freight.

May 18. In addition to the cases and deaths which were reported May 15, 4 cases were reported May 16 and 1 case May 17.

The last case was a school child living some distance from the first cases, and the school which he attended has been closed. Infected rats are still being found. One infected rat was found in a restaurant on Naka dori, between Bente and Honcho dori (street), which is the district most frequented by every tourist who comes to Yokohama.

The authorities trace the present outbreak directly to rice from South China.

Plague-infected rats are reported in Kioto.

Examination of emigrants.

Number of emigrants per steamship *Tango Maru* April 28 for Seattle, rejected 1; held for observation 2.

Per steamship *Nippon Maru* May 5 for Honolulu 1; held for observation 3. For San Francisco, held for observation 1.

Per steamship *Aki Maru* May 12 for Seattle, held for observation 6.

Per steamship *Siberia* May 15 for Honolulu, rejected 1; held for observation 3. For San Francisco, held for observation 4.

Of these rejections and detentions all were for trachoma.

Reports from Kobe—Inspection of vessels—Examination of emigrants—Statement of examination of rats in Kobe, January–April, 1909—Plague at Osaka.

Acting Assistant Surgeon Knight reports, May 6 and 12:

Week ended May 1. Supplemental bills of health granted to 3 steamships. There were inspected 69 members of crew and 524 steerage passengers. Manifests were viséed for 2,850 pieces of freight, amounting to 293 tons. During the week 10 cases of human hair were disinfected with formalin.

Statement of rats examined in Kobe.

1909.	Examined.	Plague infected.
January.....	41,095	78
February.....	34,135	86
March.....	31,572	62
April.....	39,262	58
Total.....	146,064	284

At Osaka 1 case of plague with 1 death were reported. This is the first appearance of human plague in that city since June 30, 1908. From January 1, 1909, to date there were examined in the Azikawa Harbor 90 rats, of which 57 were found plague infected.

Week ended May 8. Supplemental bills of health were granted to 5 steamships.

There were inspected 87 members of crew and 69 steerage passengers, and 57 steerage passengers were bathed and disinfected and had their effects disinfected by steam. The number of pieces of baggage steamed was 144 and of bedding 114. Manifests were viséed for 20,292 pieces of freight, amounting to 2,250 tons.

Emigrants were examined as follows:

Steamship *Nippon Maru* for Honolulu: Passed 36; recommended for rejection 17. For San Francisco, passed 4; recommended for rejection 4.

Steamship *Aki Maru* for Seattle: Passed 12; recommended for rejection 13. The emigrants passed, together with 5 intending passengers to Victoria by the steamship *Aki Maru*, were inspected, bathed, and disinfected and their effects were disinfected before embarkation.

Reports from Nagasaki—Examination of emigrants—Health conditions.

Acting Sanitary Inspector Thompson reports:

April 28. Five emigrants recommended for rejection; May 6, 12 emigrants recommended for rejection.

No quarantinable diseases present.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports:
 Week ended May 26. Two vessels inspected.
 No quarantinable disease has been reported. The health of the port is good.

Report from Salina Cruz—Inspection of vessels.

Acting Assistant Surgeon Gochicoa reports, May 23:
 Week ended May 22. One steamship, bound for San Francisco, was fumigated.

Report from Tampico—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, May 27:

Week ended May 26.

Vessels inspected and passed	6
Bills of health issued	6
Members of crews of outgoing vessels inspected	298
Passengers of outgoing vessels inspected	32
Vessels fumigated	0

No cases of quarantinable diseases have occurred during this period. The sanitary condition of the port is good.

Report from Veracruz—No new cases of yellow fever or smallpox—Sanitary measures taken at Puebla.

Acting Assistant Surgeon Carter reports, May 24:

Week ended May 24. Six bills of health were issued; 5 vessels for southern ports were fumigated, and 1 vessel was inspected; 129 passengers and 266 members of crews were inspected. No cases of yellow fever were reported and no new cases of smallpox. The last case of smallpox, which was reported May 12, is still in the lazaretto, 3½ miles from the city. The city of Puebla has begun sanitary work, the city officials being in charge. All houses in which sickness has occurred are to be disinfected, and where the people are too poor to have the work done the city will clean and disinfect the premises. Smallpox, scarlet fever, and diphtheria have been epidemic there for some time, causing a great number of deaths. (See Public Health Reports, May 28, 1909, p. 750.) The general sanitary conditions at Veracruz at this time of the year are considered fair, and on account of the continued dry and hot weather mosquitoes are very scarce.

Statement of antimosquito work carried out in Veracruz during the month of April, 1909.

Visits by inspectors to nonimmunes	30,348
Nonimmunes entering the city	2,869
Nonimmunes leaving the city	2,768
Passengers inspected on the railroads	14,386
Houses disinfected	65
Persons isolated in hospitals	7
Water deposits inspected	7,490
Water deposits petrolized	1,526
Liters of petroleum used	166
Back yards cleaned	9
Proprietors of households notified	10

NICARAGUA.

Reports from Bluefields, fruit port—Stegomyia—Sanitary conditions.

Acting Assistant Surgeon Layton reports:

Ten days ended May 22. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week fairly good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of Crew.	Number of passengers from this port.	Number of passengers in transit.
May 15	Marietta Di Georgio.....	New Orleans.....	19	3	0
22	Imperator.....	do.....	21	18	0

Temperature of personnel and passengers of both vessels taken prior to departure.

The general sanitary conditions of the port are poor. The streets are dirty; garbage and filth stand everywhere. No attempt is made to clean the streets or remove garbage.

Drinking water is scarce, and the natives are compelled to drink well water, which is often unfit for use. Mosquitoes are not numerous, owing to the dry season, the scarcity of cisterns containing water, and the absence of breeding places. All those present are *Stegomyia calopus*. There are no quarantinable diseases.

Sanitary conditions improved.

Week ended May 29. General sanitary condition of this port and the surrounding country during the week good. Mosquitoes increasing. Nearly all those observed are *Stegomyia*. There are very few *Anopheles* present.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 29	Marietta Di Georgio.....	New Orleans.....	19	3	0

The heavy rains which fell have cleared the port thoroughly, and the garbage heaps and accumulations of filth have all been swept out to sea. The water famine is at an end. Bluefields is now in a better sanitary condition than it has been at any time during the past two months.

The port and surroundings are free from quarantinable diseases.

PHILIPPINE ISLANDS.

Reports from Manila—Smallpox—Status of cholera in the provinces—Decreased mortality in Manila, quarter ended March 31, 1909—Inspection of vessels.

Chief Quarantine Officer Heiser reports, April 26:

Week ended April 24. Thirteen cases of smallpox were reported for the city of Manila.

During the week the following cases and deaths from cholera were reported from the provinces of the Philippine Islands:

Province.	Cases.	Deaths.
Bohol.....	1	2
Cebu.....	2	1
Isabela.....	9	2
Sorsogon.....	2	1
Negros Occidental.....	33	24
Total.....	47	30

Smallpox.—While there were 13 cases of smallpox reported for the city of Manila for the week, there were in reality no actual cases of smallpox under observation, the patients having varioloid in its mildest form.

Cholera.—In the provinces there were fewer cases of cholera reported than for a number of months past. The mortality among those who are engaged in combating the disease was higher. One sanitary inspector and 2 constabulary guards succumbed in the province of Negros Occidental.

Decreased mortality.—There has been a decided drop in the mortality of the city of Manila for the first quarter of 1909 as compared with the same quarter of previous years, 616 fewer deaths occurring. This great improvement has been attributed to the use of the water from the new system, which is taken from an uninhabited watershed, and also to the improved housing and drainage which have been carried out in the poorer sections of Manila. During the week consular bills of health were issued at the port of Manila as follows:

On April 20 the British steamship *Aymeric*, with 33 crew, en route from Cebu to Tacoma, Wash., was granted a supplemental bill of health after the usual inspection of cargo and personnel.

Quarantine transactions of the service in the Philippine Islands during the month of March, 1909.

MANILA.

Bills of health issued.....	57
Vessels inspected.....	79
Passengers on arriving vessels inspected.....	3, 016
Persons vaccinated.....	21
Members of crews on arriving steamships inspected.....	4, 627
On arriving sailing vessels inspected.....	108
Persons bathed and effects disinfected.....	610
Steamships partially disinfected.....	3
Steamships fumigated to exterminate vermin.....	8
Pieces of baggage disinfected.....	813
Pieces of baggage inspected and passed.....	139
Vessels entering quarantine during the month.....	1
Steamships sailing without quarantine inspected and passed.....	9
Sailing vessels sailing without quarantine inspected and passed.....	1
Steamships disinfected.....	2
Members of crews quarantined.....	63
Passengers quarantined.....	63
Members of crews on vessels inspected.....	705
Passengers on vessels inspected.....	439
Members of crews bathed and effects disinfected.....	233
Passengers bathed and effects disinfected.....	201
Persons vaccinated.....	63
Cases of quarantinable diseases detected among personnel of vessels, smallpox.....	1
Pieces of baggage disinfected.....	1, 433
Pieces of baggage inspected and passed.....	1, 521
Pieces of miscellaneous cargo certified.....	56, 447

ILOILO.	
Bills of health issued.....	6
Vessels inspected.....	58
Passengers on arriving vessels inspected.....	613
Members of crews on arriving steamships inspected.....	610
On arriving sailing vessels inspected.....	348
CEBU.	
Bills of health issued.....	12
Vessels inspected.....	557
Passengers on arriving vessels inspected.....	2, 217
Members of crews on arriving steamships inspected.....	3, 717
On arriving sailing vessels inspected.....	2, 267
Persons detained in quarantine.....	60
Steamships fumigated to exterminate vermin.....	1
Sailing vessels fumigated to exterminate vermin.....	1
Vessels entering quarantine.....	1
CAVITE.	
Bills of health issued.....	7
Vessels inspected.....	7
Passengers on arriving vessels inspected.....	1
Members of crews on arriving steamships inspected.....	2, 436
OLONGAPO.	
No transactions.	
DAVAO.	
No transactions.	
ZAMBOANGA.	
Vessels inspected.....	7
Passengers on arriving vessels inspected.....	195
Members of crews on arriving steamships inspected.....	441
JOLO.	
Vessels inspected.....	1
Passengers on arriving vessels inspected.....	13
Members of crews on arriving steamships inspected.....	60

TRINIDAD.

Report from Port of Spain—Plague officially declared present.

The following information is received from the Department of State, under date of June 5:

The American consul reports, May 27, 1 death from plague officially announced.

TURKEY.

Report from Bassorah—Plague on island of Bahrein, Persian Gulf.

The following information is taken from the bulletin of sanitary information received from Constantinople, under date of May 19:

The chief of the sanitary service of the Persian Gulf reports plague at Bahrein, May 12, with a total of 3 cases and 2 deaths.

VENEZUELA.

Report from Caracas—New plague case.

The following information is received from the Department of State, under date of June 5:

The American minister reports, June 3, another plague case. Total deaths, 3.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AUSTRIA-HUNGARY—*Brunn*.—Month of March, 1909. Estimated population, 108,944. Total number of deaths 315, including tuberculosis 66, diphtheria 2, whooping cough 2, scarlet fever 1, and 2 from measles.

AZORES—*St. Michaels*.—Month of March, 1909. Estimated population, 131,183. Total number of deaths 235, including measles 2, whooping cough 14, enteric fever 1, and 8 from tuberculosis.

FRANCE—*Nantes*.—Month of April, 1909. Population, 1900, 132,900. Total number of deaths, 287, including 61 from tuberculosis.

FRANCE—*Roubaix*.—Month of April, 1909. Estimated population, 121,115. Total number of deaths 195, including scarlet fever 1, whooping cough 1, and 37 from tuberculosis.

GREAT BRITAIN—*England and Wales*.—Annual report of deaths occurring during the year 1908 in 76 great towns in England and Wales, containing an estimated population of 16,234,952 persons. The deaths registered during the above period numbered 246,019, corresponding to a rate of 14.9 per 1,000 of population, including smallpox 1, measles 5,069, scarlet fever 1,718, diphtheria 2,578, whooping cough 4,751, "fever" mainly enteric 1,251, and 10,748 from diarrhea.

London.—The deaths registered in London in the 53 weeks ended January 2, 1909, numbered 67,353, corresponding to a rate of 13.8 per 1,000 of population, which is estimated at 4,795,757. The deaths reported include measles 1,524, scarlet fever 548, diphtheria 724, whooping cough 984, enteric fever 225, diarrhea 532, and 6,419 from phthisis.

Manchester.—Four weeks ended May 1, 1909. Estimated population, 655,435. Total number of deaths 940, corresponding to a death rate of 18.8 per 1,000 of population, including measles 51, scarlet fever 11, whooping cough 14, diarrhea 13, and 129 from tuberculosis.

Salford.—Report for the quarter ended April 3, 1909. Estimated population, 241,950. Total number of deaths 1,270, corresponding to an annual death rate of 21 per 1,000 of population, including measles 24, scarlet fever 16, whooping cough 15, diphtheria 31, enteric fever 19, and 136 from tuberculosis.

Ireland—*Dublin*.—Report for the quarter ended April 3, 1909. Estimated population, 306,902. Total number of deaths 2,128, including measles 68, scarlet fever 4, whooping cough 36, diphtheria 16, enteric fever 21, pneumonia 200, and 370 from tuberculosis. The total number of deaths correspond to an annual death rate of 27.7 per 1,000 of population.

Belfast.—Report for the quarter ended April 3, 1909. Estimated population, 386,576. Total number of deaths 1,911, including measles 9, scarlet fever 1, whooping cough 25, diphtheria 7, enteric fever 4, pneumonia 187, and 337 from tuberculosis. The total number of deaths correspond to an annual death rate of 19.8 per 1,000 of population.

Scotland.—Annual report for the year 1908. The deaths registered in 8 principal towns numbered 30,752, corresponding to a death rate of 16.7 per 1,000 of population, which is estimated at 1,839,038. The total number of deaths include smallpox 6, measles 1,091, scarlet fever 192, whooping cough 934, diphtheria 291, typhus fever 2, enteric fever 99, diarrhea 531, and 3,882 from tuberculosis.

JAPAN—Formosa.—Three weeks ended May 1, 1909. Estimated population, 3,108,723. Total number of deaths, 179, including enteric fever 5, and 173 from plague.

SPAIN—Almeria.—Month of April, 1909. Estimated population, 50,910. Total number of deaths, 98, including smallpox 6, measles 1, and 9 from tuberculosis.

Huelva.—Month of April, 1909. Estimated population, 24,000. Total number of deaths, 50, including 8 from tuberculosis.

Madrid.—Month of April, 1909. Estimated population, 573,676. Total number of deaths, 1,393, including smallpox 30, typhus fever 158, enteric fever 22, scarlet fever 1, diphtheria 6, measles 42, whooping cough 6, and 131 from tuberculosis.

URUGUAY—Montevideo.—Month of March, 1909. Estimated population, 312,388. Total number of deaths, 439, including smallpox 8, scarlet fever 8, diphtheria 2, enteric fever 10, and 56 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to June 11, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see] PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2 . . .	16	13	
China:				
Hongkong	Dec. 28-Jan. 16 . . .	2	2	
India:				
Bombay	Dec. 9-May 11 . . .		396	
Calcutta	Nov. 1-May 1 . . .		1,096	
Madras	Nov. 14-Apr. 9 . . .		61	
Negapatam	Oct. 31-Apr. 9 . . .		42	
Rangoon	Nov. 8-May 1 . . .		93	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-6	2	2	
Persia:				
Tabriz	Oct. 9-Dec. 28 . . .	1,003	500	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	Nov. 1-Jan. 2.....	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces.....				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique.....	Nov. 1-Jan. 16.....	260	163	
Bataan.....	Nov. 1-7.....	1	1	
Bohol.....	Dec. 20-Apr. 24.....	551	272	
Bulacan.....	Nov. 1-Feb. 27.....	82	71	
Cagayan.....	Nov. 1-Apr. 10.....	175	108	
Capiz.....	Nov. 1-Apr. 17.....	1,535	873	
Cavite.....	Nov. 1-Feb. 20.....	110	81	
Cebu.....	Dec. 20-Apr. 24.....	38	21	
Ilocos Norte.....	Nov. 1-Jan. 16.....	335	235	
Ilocos Sur.....	Nov. 1-Jan. 2.....	207	140	
Iloilo.....	Nov. 1-Apr. 17.....	495	155	
Isabela.....	Jan. 24-Apr. 24.....	21	12	
Laguna.....	Nov. 1-Mar. 6.....	119	81	
Leyte.....	Nov. 1-Mar. 6.....	158	125	
Misamis.....	Apr. 11-17.....	26	13	
Negros Occidental.....	Nov. 1-Apr. 24.....	606	341	
Nueva Ecija.....	Feb. 14-20.....	1	1	
Palawan.....	Nov. 1-Dec. 19.....	10	5	
Pampanga.....	Nov. 1-Apr. 10.....	105	78	
Pangasinan—				
Taytay.....	Apr. 10-17.....	9		
Rizal.....	Nov. 1-Apr. 17.....	249	218	
Samar.....	Nov. 1-Mar. 13.....	196	223	
Sorsogon.....	Jan. 10-Apr. 24.....	136	93	
Surigao.....	Nov. 15-Jan. 12.....	7	4	
Union.....	Nov. 1-Jan. 12.....	12	8	
Zambales.....	Dec. 6-12.....	3	3	
Russia, general.	Nov. 15-May 15.....	4,081	1,791	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schusecka, Dnjeprowsk (Simferopol) Bijsk, Smejnogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk.....	Nov. 15-Jan. 23.....	34	13	
Bakoo.....	Nov. 22-28.....	3	2	
Batoom.....	Nov. 15-21.....	4	2	
Charkov.....	Dec. 6-Mar. 13.....	6	1	
Cronstadt.....	Nov. 15-Jan. 16.....	3	1	
Don, territory of.....	Nov. 15-Mar. 6.....	190	97	
Ekaterinislav.....	Nov. 15-Dec. 26.....	27	11	
Erivan.....	Dec. 1-31.....	28	21	
Helsingfors.....	Jan. 10.....	2		In vicinity.
Jaroslav.....	Feb. 7-Mar. 20.....	63	28	
Kherson.....	Nov. 15-Dec. 19.....	2		
Kief.....	Nov. 15-Dec. 12.....	11	1	
Kooban.....	Nov. 15-Jan. 2.....	139	76	
Kostroma.....	Dec. 6-12.....	1		
Livonia.....	Nov. 15-21.....	2	1	
Moscow district.....	Dec. 6-Jan. 30.....	8	8	Including Brownitza.
Moscow.....	Jan. 17-23.....	1	1	Imported.
Odessa.....	Nov. 29-Dec. 12.....	2	2	
Olonets.....	Nov. 21-28.....	1	1	
Poltava.....	Nov. 29-Dec. 5.....	3		
Romanov-Borisoglyebsk.....	Mar. 10.....			Present.
Rybinsk.....	Mar. 13.....	7		
Samara gov't dist.....	Nov. 29-Dec. 5.....	7	7	
Samarcand.....	Dec. 6-12.....	10	7	In vicinity.
Saratov.....	Nov. 15-Dec. 12.....	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of.....	Dec. 19-26.....	1		
Stavropol.....	Nov. 15-21.....	1		
St. Petersburg, government.....	Nov. 15-Mar. 19.....	35		
St. Petersburg.....	Nov. 29-May 15.....	2,368	724	
Tambov.....	Nov. 15-Dec. 12.....	16	8	
Tavrde.....	Nov. 15-Dec. 19.....	9	5	
Terek, territory of.....	Nov. 15-Dec. 19.....	99	62	
Tiflis.....	Nov. 15-21.....	9	4	
Tomsk.....	Nov. 15-Jan. 23.....	102	48	
Toula.....	Feb. 21-Mar. 6.....	7	2	
Tver district.....	Nov. 15-Dec. 5.....	4		
Volgoda.....	Dec. 6-12.....	1		
Yelisavetpol.....	Nov. 26-Dec. 5.....	5	10	
Siam:				
Bangkok.....	Nov. 1-Apr. 24.....	2	1	
Straits Settlements:				
Penang.....	Feb. 27.....	1		From s. s. Sunki Maru.
Singapore.....	Nov. 8-Apr. 24.....		167	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Barbados, general.....	Dec. 12-May 15....	70	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown.....	Dec. 12-Mar. 20....	11	1	
Speightstown.....	Mar. 7.....	1		
Brazil:				
Bahia.....	Nov. 15-Apr. 30....	193	76	
Manaos.....	Nov. 29-May 15....		20	
Para.....	Nov. 22-May 22....		83	
Pernambuco.....	Nov. 15-Mar. 15....		3	
Rio de Janeiro.....	Apr. 18-25.....	1		
Colombia:				
Cartagena.....	Jan. 8-14.....	1	1	
Cuba:				
Oriente Province— San Luis.....	Jan. 1-2.....	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curacao.....	Jan. 15.....	1		
Dutch Guiana:				
Paramaribo.....	Dec. 1-Jan. 27....	32	8	
Ecuador:				
Guayaquil.....	Nov. 29-May 1....		138	
Martinique:				
Fort de France.....	Dec. 13-Mar. 6....	5	1	
Mexico:				
Itzincal plantation.....	Dec. 6-12.....	2	2	Aug. 22-Dec. 18, 5 cases not previously reported.
Maxcauu.....	Dec. 6-Jan. 23....	5	4	
Merida.....	Dec. 6-May 19....	17	8	Case May 19 from Tekax.
San Bernardo plantation.....	Dec. 27-May 1....	8	4	
Sodzil plantation.....	Dec. 13-Jan. 2....	7	5	
Ticul.....	Feb. 1-Apr. 13....	4	2	
Veracruz.....	Dec. 6-Feb. 13....	13	6	
Trinidad:				
Port of Spain.....	Jan. 20.....		1	

PLAGUE.

Arabia:				
Mascot.....	Apr. 16.....	1	1	From s. s. Agrica.
Azores:				
Fayal.....	Apr. 1.....	1		Sept. 22-Mar. 31, 10 cases additional.
Terceira.....	Mar. 31-Apr. 30....	19	7	
Australia:				
Brisbane.....	Nov. 1-7.....	1	1	
Newcastle.....	Mar. 1-31.....	1		
Sydney.....	Mar. 6-20.....	9	4	
Belgium:				
Antwerp.....	Apr. 11.....	3		In quarantine at Doel from s. s. Rubens.
Brazil:				
Bahia.....	Nov. 15-Apr. 30....	61	28	
Para.....	Jan. 24-Feb. 6....		2	
Pernambuco.....	Nov. 1-Dec. 31....		10	
Rio de Janeiro.....	Nov. 16-Apr. 25....	78	36	
Chile:				
Antofagasta.....	Feb. 28-Apr. 17....	42		Apr. 17, 9 cases in lazaretto.
Arica.....	Mar. 9.....			Present.
Iquique.....	Jan. 1-Apr. 18....	63	22	Year 1908, 133-70; Apr. 18, 22 cases in the lazaretto.
Magillones.....	Mar. 9-10.....	70		
Taital.....	Feb. 11.....			Present.
China:				
Amoy.....	Mar. 6.....	1		Apr. 17, present in vicinity, and present at Wuchang in September.
Canton.....	Mar. 6-May 1.....	115	80	
Changchew.....	Apr. 3.....			Epidemic.
Chincheu.....	Mar. 7-Apr. 3....			Present.
Fuklen Province, ChangPoo	Mar. 7-Apr. 26....			Epidemic.
Hankau.....	Nov. 30-Dec. 5....	1	1	On river boat Loongwo.
Hongkong.....	Nov. 8-Apr. 3....	31	23	
Tamchou.....	Dec. 19.....			Vicinity of Hainan; present.
Tientsin.....	Oct. 18-Nov. 21....			Present. Feb. 16, again present.
Tongshan.....	Nov. 1-14.....			Present.

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babohoyo.....	Jan. 16—Mar. 27....	5		
Guayaquil.....	Nov. 29—May 1.....		106	
Milagro.....	Nov. 17—Jan. 18....	18	8	
Nisag.....	Jan. 16.....	7		
Tolte.....	Dec. 25—Jan. 17....	30	20	
Egypt:				
Alexandria.....	Nov. 14—May 3.....	5	1	
Port Said.....	Dec. 4—May 3.....	4	2	
Suakim.....	Feb. 1.....	1		On s. s. Hurler II.
Provinces—				
Assiout.....	Dec. 2—May 13.....	32	25	
Beherach.....	Nov. 24—Dec. 26....	11	6	
Dakaklieh.....	Feb. 4—Mar. 20....		6	
Galyoobeeyeh.....	Nov. 21—May 10....	4		
Garbieh.....	Nov. 27—Jan. 28....	4	2	
Girgeh.....	Oct. 18—Mar. 14....	8	8	
Fayoum.....	Nov. 23—May 12....	19	9	
Menouf.....	Nov. 27—Jan. 17....	155	35	
Minieh.....	Nov. 25—May 12....	21	10	
German East Africa:				
Dar-es-Salaam.....	Oct. 10—Jan. 7.....	7	5	
Muanza.....	Apr. 14.....		60	
Great Britain:				
Elstree.....	Feb. 3-4.....	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.				
Madras Presidency.....	Nov. 2—Apr. 24.....	25,872	18,840	
Bengal.....	Nov. 2—Apr. 24.....	1,260	899	
United Provinces.....	Nov. 2—Apr. 24.....	6,716	5,671	
Punjab.....	Nov. 2—Apr. 24.....	12,082	10,515	
Burma.....	Nov. 2—Apr. 24.....	26,350	21,086	
Central provinces, including Berar.....	Nov. 2—Apr. 24.....	5,943	5,607	
Coorg.....	Nov. 2—Dec. 17....	5	3	
Mysore State.....	Nov. 2—Apr. 24.....	3,023	2,184	
Hyderabad State.....	Nov. 2—Apr. 24.....	640	536	
Central India.....	Nov. 2—Apr. 24.....	819	636	
Rajputana.....	Nov. 2—Apr. 24.....	4,677	4,160	
Kashmir.....	Mar. 14—Apr. 24....	23	12	
Northwest Province.....	Mar. 21—Apr. 27....	2		
Grand total.....		93,978	75,360	
Indo-China:				
Bahrein Island, Persian Gulf.....	May 12.....	3	1	
Cholen:				
Cholen.....	Oct. 25—Dec. 19....	12	11	Including Chuquan.
Saigon.....	Oct. 25—Apr. 24....	37	43	
Japan:				
Amagasaki.....	Feb. 27.....			Present.
Awaji Island, Sumoto.....	Feb. 27.....			Do.
Formosa.....	Nov. 8—May 8.....	767	314	Mainly in the central and south central part.
Himeji.....	Apr. 30.....	1	1	
Hiogo, prefecture.....				Year 1908, 219 cases additional.
Kagi, prefecture.....	Jan. 16.....	5		
Kagoshima, prefecture.....	Feb. 6.....	1		From s. s. Shinkochi Maru.
Kioto.....	Apr. 24.....	1	1	
Kobe.....	Jan. 20—Apr. 30....	9	7	3 cases from s. s. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi.....	Feb. 27.....			Present.
Nara, prefecture.....				Year 1908, 2 cases additional.
Nishinomiya.....	Jan. 6.....	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka.....	Dec. 22—May 1.....	4	2	Year 1908, 59 cases additional. Case Jan. 29, on s. s. Shinkochi Maru.
Tokushima, prefecture.....		1		Year 1908.
Yokohama.....	May 17.....	9	3	Do.
Yura.....		116	83	Do.
Mauritius:				
Persia:	Oct. 2—Jan. 31....		115	
Bushire.....	Apr. 30.....		10	On a vessel.
Peru:				
Arequipa, department.....	Feb. 19—Apr. 15....	7	4	
Mollendo.....	Nov. 1—Feb. 18....	1	5	
Cajamarca, department.....	Feb. 19—Apr. 15....	67	42	
Cascas.....	Feb. 12—18.....	12	5	
Chota.....	Jan. 22—Feb. 18....	8	8	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Lambayeque, general	Feb. 19—Apr. 15	66	19	
Chiclayo	Nov. 13—Feb. 18	44	23	
Eten	Nov. 13—Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18—Mar. 4	6	5	
Motupe	Dec. 17—Jan. 14	2		
San Jose	Nov. 13—Dec. 3	2		
Zaña	Jan. 14—Feb. 18	4	2	
Libertad, department	Feb. 19—Apr. 15	60	21	
Casma	Feb. 4	1	1	
Chepen	Nov. 27—Feb. 18	19	6	
San Pedro	Nov. 13—Feb. 18	28	21	
Trujillo	Nov. 13—18	153	70	
Lima, department	Feb. 19—Apr. 15	35	13	
Chorrillos	Jan. 22—Feb. 4	2	2	
Lima	Nov. 13—Feb. 13	50	19	
Huaro-chiri, Matucana, Surco	Feb. 4	15		
Piura, department	Feb. 19—Mar. 4	2	1	
Catacaos	Dec. 11—Feb. 18	7		
Paíta	Dec. 11—17	3	2	
Piura	Dec. 11—Jan. 14	6	4	
Russia:				
Libau	Mar. 30—Apr. 5	1		
Siam:				
Bangkok	Sept. 27—Apr. 24	16	8	
Straits Settlements:				
Singapore	Nov. 30—Apr. 24	6	6	
Trinidad:				
Port of Spain	May 27		1	
Turkey in Asia:				
Bagdad	Nov. 6—May 18	19	7	
Beirut	Dec. 17—Jan. 9	5	5	
Jiddah	Dec. 12—Apr. 25	178	160	
Venezuela:				
Caracas	May 20—June 3	3	3	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1—Apr. 30		113	
Bona	Jan. 1—Apr. 30	80	47	
Arabia:				
Aden	Nov. 25—Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1—Feb. 28		5	
Australia:				
New South Wales—				
Newcastle	Nov. 1—30	1		
Austria:				
Bohemia	Jan. 31—May 1	9		
Galicja	Dec. 20—May 15	12		
Silesia	Jan. 3—May 1	6		
Trieste	Mar. 21—27	1		
Barbados:				
Bridgetown	May 1	1		From s. s. Parima.
Brazil:				
Bahia	Nov. 15—Apr. 30	353	36	
Para	Feb. 14—Mar. 27	3	2	
Pernambuco	Nov. 1—Mar. 15		118	
Rio de Janeiro	Nov. 16—Apr. 25	1,417	698	
Santos	Nov. 1—Dec. 20		10	
São Paulo	Nov. 1—Apr. 11		60	
British Honduras:				
Stann Creek	Feb. 5—Mar. 10	6	1	32 miles south of Belize
British South Africa:				
Cape Town	Dec. 28—Mar. 13	5		
Durban	Mar. 20—27	1		
East London	Apr. 10—17	1	1	From s. s. Elleric.
Canada:				
British Columbia—				
Vancouver	Dec. 1—Apr. 30	8		
Victoria	Dec. 12—Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20—May 29	8		

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario, Province, general.	Dec. 1-31.	118		
Hamilton.	Jan. 17-23.	1		
Toronto.	Nov. 8-May 15.	26		
Nova Scotia—				
Halifax.	Dec. 13-May 31.	87		
Tusketwedge.	Feb. 13.	1		
Yarmouth.	Dec. 1-May 29.	32		Revised.
Quebec—				
Montreal.	Dec. 26-Jan. 2.	1		
Ceylon:				
Colombo.	Nov. 1-Apr. 24.	201	4	
Chile:				
Concepcion.	Jan. 15-31.	1		
Santiago.	Apr. 27.			Epidemic in suburbs.
Talcahuana.	Nov. 20-Jan. 28.			Present in vicinity.
Valparaiso.	Dec. 6-19.	2		
China:				
Amoy, Kulangsu.	Oct. 11-Nov. 8.		2	May 1, still present.
Canton.	Mar. 6-May 1.	95		
Hankau.	Mar. 20.			Present.
Hongkong.	Jan. 3-Apr. 3.	18	6	
Shanghai.	Nov. 11-May 1.	7	7	3 cases Nov. 11-Dec. 28 from U. S. transport Seward, case Apr. 17 from s. s. Helena.
Tientsin.	Jan. 17-May 1.	18	2	
Cuba:				
Cienfuegos.	Mar. 6.	1		
Habana.	Dec. 26-Apr. 3.	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamate.	Jan. 16.			Present.
Manglar Alto.	Jan. 17.			Epidemic.
Egypt, general.	Nov. 12-Feb. 25.	737	164	
Alexandria.	Nov. 26-Mar. 31.	50	30	
Cairo.	Nov. 19-May 6.	504	144	
Suez.	Feb. 19-Mar. 6.	27	2	
France:				
Marseille.	Dec. 1-Apr. 30.		5	
Nantes.	Mar. 15-21.	1		
Nice.	Jan. 1-Feb. 28.	2		
Paris.	Nov. 22-May 22.	73	3	
Toulon.	Jan. 1-31.	1		
Germany, general.	Nov. 19-May 22.	98		
Bremen.	Jan. 16-23.	2		
Breslau.	Dec. 20-26.	1		
Brunswick.	Feb. 16-20.	1		
Hamburg.	Mar. 13-May 22.	4		Among Russian emigrants.
Konigsberg.	Jan. 9.	1		
Gibraltar.	May 2.	1		
Greece:				
Athens.	Nov. 22-Mar. 6.		5	
Patras.	Dec. 16-31.	1	1	
Great Britain:				
Bristol.	Dec. 13-May 22.	34	9	
Cardiff.	Apr. 3-May 1.	1	1	
Dunbar.	Mar. 21-27.	1		From a vessel.
London.	Feb. 1-6.	1		
Guatemala:				
Guatemala City.	Dec. 21.	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay.	Nov. 25-May 11.		316.	
Calcutta.	Nov. 1-May 1.		3,498.	
Madras.	Nov. 28-May 7.		37.	
Rangoon.	Nov. 22-May 1.		103.	
Indo-China:				
Cholen.	Nov. 15-Dec. 5.	6	5	
Salgon.	Nov. 1-Apr. 24.	51	28	
Italy, general.	Nov. 30-May 16.	390		
Catania.	Feb. 28-May 8.	9		
Cinqufrondi.	Jan. 15-21.	13		
Florence.	Nov. 24-Mar. 10.	4		
Genoa.	Dec. 1-Apr. 30.	11		
Naples.	Dec. 7-May 16.	421	68	Jan. 18, 1 case on s. s. Europa. Case Apr. 23 on s. s. Montevideo. May 1, 1 case on s. s. Verona.

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.	
Italy—Continued.					
Palermo.....	Jan. 24—Mar. 6.....	11	2	Epidemic.	
Polesella.....	Dec. 1.....				
Tatrinoli.....	Jan. 15-21.....	2			
Japan:					
Formosa.....	Nov. 29—May 8.....	23		3 cases in March from s. s. Ghazee from Singapore.	
Kobe.....	Feb. 14—Mar. 6.....	5	2		
Tokyo.....	May 8—Dec. 31.....	314			
Java:					
Batavia.....	Nov. 1—Apr. 24.....	85	10	1 case Nov. 22 on vessel.	
Malta.....	Nov. 22—Feb. 20.....	4	1		
Manchuria:					
Dalny.....	Jan. 17—Apr. 10.....	7	2		
Mexico:					
Acapulco.....	Jan. 11—Feb. 14.....	15		Present.	
Acayucan.....	Mar. 17.....				
Chihuahua.....	Apr. 19—May 23.....	6	1	Epidemic.	
Guadalajara.....	Jan. 7-27.....		20		
Matamoros.....	May 9-15.....	1			
Mexico City.....	Nov. 8—May 8.....		364		
Monterey.....	Jan. 4—May 30.....		83		
Puebla.....	May 9.....				
Rosita.....	Mar. 29.....	3			
Sabinas.....	Mar. 31.....	10			
Salina Cruz.....	Jan. 1-15.....	5			
Tampico.....	Apr. 28.....				
Tehuantepec.....	Jan. 28—Feb. 3.....			Present at localities between Tampico and Tuspan.	
Veracruz.....	Dec. 13—May 16.....	9	5	Present.	
Yucatan, Camp Mengel.....	Dec. 21.....	1		Do.	
Moluccas Islands.....	Dec. 12.....				
Netherlands, The:					
Nymwegen.....	Apr. 28—May 4.....	1		Epidemic on south coast. Case Jan. 10 from s. s. Portia.	
Rotterdam.....	Jan. 10—Mar. 27.....	1	1		
Newfoundland.....	Feb. 9—Mar. 20.....	2			
St. Johns.....	Jan. 10—Apr. 3.....	11			
Norway:					
Bergen.....	Jan. 24-30.....		2	Do.	
Christiania.....	Nov. 22-28.....	1	1		
Paraguay:					
Asuncion.....	Dec. 20-26.....			Present.	
Persia:					
Arabistan.....	Jan. 1-28.....			Do.	
Dizfoul.....	Jan. 1-28.....			Do.	
Hamadan.....	Oct. 2—Dec. 24.....	350	100	Estimated.	
Kerman.....	Nov. 11.....			Present.	
Kermanshah.....	Mar. 1-31.....	22		Present in October.	
Mash-Had.....	Apr. 5.....			Present.	
Mechedisser.....	Jan. 1-28.....			Do.	
Mohammerah.....	Jan. 1-28.....			Do.	
Sultansabad.....	Oct. 1-31.....			Do.	
Tabriz.....	Oct. 2—Apr. 5.....			Do.	
Teheran.....	Sept. 18—Oct. 28.....		17	Do.	
Trebizond.....	Jan. 16.....				
Peru:					
Lima.....	Nov. 22—Dec. 31.....	11		Mar. 27, 1 case in the lazaretto.	
Salaverry.....	Nov. 19-25.....		1		
Philippine Islands:					
Manila.....	Nov. 1—Apr. 24.....	111	22	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.	
Porto Rico:					
Mayaguez.....	Dec. 20—Jan. 2.....	2			
Portugal:					
Lisbon.....	Nov. 30—May 15.....	77		One case, Jan. 27, from s. s. Aragon.	
Russia:					
Batoom.....	Dec. 1—Mar. 31.....	4		In quarantine. Matopan, department.	
Moscow.....	Nov. 20—May 8.....	503	198		
Odessa.....	Oct. 4—May 8.....	91	15		
Reval.....	Jan. 1-31.....	1			
Riga.....	Nov. 29—May 15.....	27			
St. Petersburg.....	Nov. 15—May 8.....	259	79		
Warsaw.....	Nov. 1—Mar. 27.....		78		
Salvador:					
Ahuachapan.....	Apr. 27.....	5			Present on routes to Guatemala.
San Geronimo, Canton.....	Apr. 27.....	7	2		
San Salvador.....	Feb. 6.....	3			
Santa Ana.....	Feb. 6—Apr. 27.....	40			
Santiago.....	Apr. 27.....	12			

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.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.						
Montreal	May 22	378,856	132	21																
Moscow	May 1	1,235,104	761	15																
Do	May 8	1,235,104	742	96																
Nagasaki	Apr. 25	175,936	49																	
Do	May 2	175,936	34																	
Naples	May 15	593,729	273																	
Newcastle on Tyne	do	281,584	92																	
Niuchwang	Apr. 24	60,000	7																	
Nottingham	May 8	260,000	76																	
Nuevo Laredo	May 22	8,000	7	1																
Odessa	May 8	467,000	171	30																
Ottawa	do	80,200	18																	
Do	May 15	80,200	33																	
Palermo	Apr. 17	330,000	143	8																
Do	Apr. 24	330,000	135	6																
Do	May 1	330,000	114	8																
Paris	May 8	2,776,394	1,027	229																
Penang	Apr. 24	102,520	65	12																
Plymouth	May 15	124,180	25																	
Port Elizabeth	Apr. 24	32,959	9	1																
Do	May 1	32,959	8	1																
Prague	do	229,965	134	37																
Do	May 8	229,965	150	35																
Rangoon	Apr. 24	252,155	192	6	24															
Rotterdam	May 15	413,563	113																	
St. John, N. B.	May 22	40,711	6	1																
Do	May 29	40,711	9	1																
St. Petersburg	Apr. 24	1,678,000	889	141																
San Felin de Guixols	May 15	11,094	5																	
Santiago de Cuba	Apr. 10	53,614	14																	
Do	May 22	53,614	12	2																
Santos	Apr. 18	82,000	27	2																
Shanghai	Apr. 17	565,000	16																	
Sheffield	May 8	440,000	128	11																
Do	May 15	440,000	149	24																
Singapore	Apr. 17	260,000	169	14																
Do	Apr. 24	260,000	231	37	1	3														
Southampton	May 15	124,667	27	8																
South Shields	do	117,627	33	5																
Stettin ^a	Mar. 27	230,000	92	9																
Do	May 15	230,000	85	8																
Stockholm	May 1	339,582	112	25																
Sunderland	May 15	159,137	52	7																
Tegucigalpa	May 11	24,000	12	1																
Tientsin	Apr. 17	1,000,000	6	2																
Do	Apr. 27	1,000,000	6	2																
Trieste	May 8	217,706	90																	
Turin	May 14	381,439	133	17																
Valencia	May 8	240,000	109	10																
Victoria, B. C.	May 22	30,000	7	1																
Vienna	May 8	2,064,037	673	115																
Vigo	May 15	40,000	8	2																
West Hartlepool	do	66,750	17																	
Winnipeg	May 22	118,000	19																	
Yokohama	May 3	378,884			1															
Do	May 10	378,884																		

^a Reported out of date.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.