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

PLAGUE-PREVENTION WORK.

Passed Assistant Surgeon McCoy reports, April 19:

ANTIPLAGUE MEASURES IN CALIFORNIA.

The work of the service in California is being carried on along two lines: First, the trapping and poisoning of rats in San Francisco and Oakland, for the purpose of learning promptly of the presence of plague if it occurs among these rodents; second, the determination of the extent of the squirrel-plague infection, and the inauguration of methods of squirrel eradication. As the second matter is of immediate interest and importance a statement of the service work is presented first.

Extent of Squirrel Infection.

The extent of the work thus far done is shown by the following table:

Counties worked and infection found.

County.	Squirrels found infected.	Squirrels examined.
Alameda.....	76	6,204
Contra Costa.....	242	26,934
Santa Clara.....	9	2,776
San Benito.....	1	583
San Luis Obispo.....	1	4,108
Santa Cruz.....	1	684
Los Angeles.....	a 1	b 4,722
Total.....	331	46,011

a In 1908.

b In 1908-9.

Counties worked but no infection found.

County.	Squirrels examined.
Marced.....	7,600
Stanislaus.....	461
Mariposa.....	689
Santa Barbara.....	3,211
Madera.....	754
San Joaquin.....	1,001
Monterey.....	5,615
Tulare.....	5,663
Kern.....	320
Riverside.....	4
Solano.....	225
Fresno.....	9,519
San Mateo.....	1,224
Ventura.....	2,000
Total.....	38,369

Grand total of squirrels examined, 84,380.

No case of squirrel plague has been found upon the peninsula of San Francisco.

In regard to the Los Angeles squirrel, there is some doubt as to whether or not this rodent represents a part of the general infection or was the result of the importation of one infected rat or squirrel from the outside. The squirrel was found adjacent to the yard of a railroad running to San Francisco and some of the officers on the ground expressed the opinion that the infection was imported by rail. The fact that over 4,000 squirrels from Los Angeles and vicinity were examined without the finding of other infected squirrels indicates that this may have been the case.

The work of outlining the infected area continues, and we hope to be able to learn definitely how widespread the infection is.

Squirrel Extermination.

Some measures in the way of squirrel extermination have already been undertaken, as follows:

Distribution of poison.—Poison was distributed to 840 farmers. This poison was used with advantage, but the fund available was too small to make it feasible to carry on the work extensively enough to make the measure of much value in relation to the whole squirrel-plague problem.

On account of the danger of infection of the cities, an attempt is being made to create a squirrel-free zone around Oakland and Berkeley. Bisulphide of carbon is being used and this agent is reported to be very efficient, but very expensive, the average cost per acre, where the squirrels are numerous, being 50 cents for poison alone and about \$2 for labor. Poisoned grain has been used to a less extent. This is also very efficient, and has the advantage of being much cheaper than the bisulphide, but it has the disadvantage of killing birds.

The total area of the counties we know to be infected is 5,331,440 acres. From this it will be understood that the cost will be very heavy.

It is planned to have the ranches that have been found infected worked first.

Rat Work.

The rat work is being carried on in San Francisco and in Oakland. No infected rodent has been found in either city for over eighteen months, but with the menace of squirrel plague before us, it is deemed unsafe to discontinue the rat extermination and examination.

Scientific Work.

The service laboratory in San Francisco and the branch laboratory in Oakland are being used in the pursuit of such scientific investigations of plague among rodents as seem to be demanded.

The volume of routine work in these laboratories is enormous. A total of over 340,000 rats and squirrels have been examined during the past thirty months. About 160,000 were examined during the past year.

Cost of Work.

The total number of employees of the service on duty in California in connection with the epidemic work is 100. Four of these are commissioned medical officers.

The sum being expended monthly by the service is a trifle under \$11,000. The State is expending about \$1,000 per month. This is being used on the squirrel work and is expended under the direction of the service officers.

Doctor McCoy further reports:

SAN FRANCISCO, CAL.

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

Week ended April 16, 1910. Premises inspected, 848. Houses destroyed, 17. Buildings condemned, 7. Nuisances abated, 69. Poisons placed 7,980. Rats trapped, 2,190. Rats found dead, 25. Gophers trapped, 4. Rats identified, 2,215, as follows: *Mus norvegicus*, 1,685; *Mus rattus*, 87; *Mus musculus*, 378; *Mus alexandrinus*, 65. Average number of traps set daily, 7,500. Examined bacteriologically, 1,841 rats and 4 gophers. No plague infection found.

BERKELEY, CAL.

There is no record of rodent plague in Berkeley. The last case of human plague sickened August 28, 1907.

Week ended April 16, 1910. Rats trapped, 5. Rats identified, 5, all being *Mus norvegicus*. Rats examined bacteriologically, 5. No plague-infected rats found.

OAKLAND, CAL.

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

Week ended April 16, 1910. Rats found dead, 17. Rats trapped, 668. Rats identified, 685, as follows: *Mus norvegicus*, 583; *Mus rattus*, 1; *Mus musculus*, 101. Rats examined bacteriologically, 540. No plague-infected rats found.

ALAMEDA COUNTY, CAL. (Exclusive of the city of Oakland).

Last case of human plague sickened 2 miles southwest of Sunol, September 26, 1909. Last case of rodent plague found March 25, 1910. To the present time 76 ground squirrels and 1 wood rat have been found infected.

Week ended April 16, 1910. Ranches inspected, 7. Ground squirrels shot, 93. Ground squirrels found dead, 6. Acres covered with poison, 112. Ground squirrels examined bacteriologically, 99. No plague-infected squirrels found.

FRESNO COUNTY, CAL.

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

Week ended April 16, 1910. Ranches inspected, 28. Ground squirrels shot, 820. Ground squirrels examined bacteriologically, 813. No plague-infected squirrels found.

MERCED COUNTY, CAL.

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

Week ended April 16, 1910. Ranches inspected, 10. Ground squirrels shot, 317. Rabbits shot, 14. Examined bacteriologically, 314 squirrels and 14 rabbits. No plague infection found.

MONTEREY COUNTY, CAL.

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

Week ended April 16, 1910. Ranches inspected, 29. Ground squirrels shot, 297. Ground squirrels examined bacteriologically, 291. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL.

There is no record of human plague in San Luis Obispo County. A plague-infected rodent was found January 29, 1910.

Week ended April 16, 1910. Ranches inspected, 14. Ground squirrels shot, 220. Ground squirrels examined bacteriologically, 217. No plague-infected squirrels found.

SAN MATEO COUNTY, CAL.

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

Week ended April 16, 1910. Ranches inspected, 7. Ground squirrels shot, 170. Ground squirrels examined bacteriologically, 167. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

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

Week ended April 16, 1910. Ranches inspected, 12. Ground squirrels shot, 160. Ground squirrels examined bacteriologically, 156. No plague-infected squirrels found.

SANTA CLARA COUNTY, CAL.

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

Weekended April 16, 1910. Ranches inspected, 3. Ground squirrels shot, 60. Ground squirrels examined bacteriologically, 60. No plague-infected squirrels found.

TULARE COUNTY, CAL.

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

Weekended April 16, 1910. Ranches inspected, 8. Ground squirrels shot, 361. Rabbits shot, 1. Examined bacteriologically, 358 squirrels and 1 rabbit. No plague infection found.

VENTURA COUNTY, CAL.

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

Weekended April 16, 1910. Ranches inspected, 11. Ground squirrels shot, 71. Ground squirrels examined bacteriologically, 71. No plague-infected squirrels found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended May 6, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham	Apr. 17-23	3		
Mobile	Apr. 17-23	2		
Montgomery	Apr. 17-23	9		
California:				
Los Angeles	Apr. 10-16	2		
District of Columbia	Apr. 17-23	5		
Florida:				
Alachua County	Apr. 16-23	1		
Duval County	Apr. 16-23	1		
Santa Rosa County	Apr. 16-23	5		
Georgia:				
Columbus	Apr. 17-23	1	1	
Louisiana:				
New Orleans	Apr. 17-23	17		
Minnesota, general	Jan. 1-31		1	
Montgomery County	Jan. 1-31		1	
Missouri:				
St. Louis	Apr. 17-23	1		
Pennsylvania (entire State)	Mar. 1-31	40		
Tennessee:				
Chattanooga	Apr. 17-23	3		
Knoxville	Apr. 17-23	3		
Memphis	Apr. 17-23	9		
Nashville	Apr. 17-23	1		
Virginia:				
Norfolk	Apr. 19-23	1		At Craney Island quarantine station from the s. s. Pocahontas.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

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

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Jan. 9-Apr. 16.....	54		
Mobile.....	Jan. 16-Apr. 2.....	9		
Montgomery.....	Dec. 19-Apr. 2.....	441	1	
Total for State.....		504	1	
Arkansas:				
Argenta.....	Jan. 22-Feb. 12....	11		
Little Rock.....	Jan. 1-Mar. 12....	92		
Lonoke.....	Jan. 6-20.....	2		
Monticello.....	Year 1909.....	60		
Total for State.....		165		
California:				
Berkeley.....	Dec. 26-Jan. 1.....	1		
Los Angeles.....	Jan. 12-Apr. 2.....	6		
Oakland.....	Dec. 26-Jan. 1.....	1		
Sacramento County.....	Jan. 1-31.....		1	
Sacramento.....	Dec. 12-Mar. 31....	56		
San Francisco.....	Dec. 19-Mar. 26....	23		
Total for State.....		87	1	
Colorado:				
Adams County.....	Mar. 1-31.....	1		
Bent County.....	Feb. 1-28.....	10		
Boulder County— Boulder.....	Dec. 19-25.....	1		
Chaffee County.....	Jan. 1-31.....	6		
Clear Creek County.....	Mar. 1-31.....	1		
Conchos County.....	Jan. 1-Mar. 31....	50		
Delta County.....	Mar. 1-31.....	1		
Denver County.....	Jan. 1-Mar. 31....	41		
Fremont County.....	Feb. 1-28.....	14		
Garfield County.....	Jan. 1-31.....	1		
Huerfano County.....	Jan. 1-Mar. 31....	16		
Jefferson County.....	Feb. 1-28.....	1		
La Plata County.....	Feb. 1-28.....	4		
Larimer County.....	Jan. 1-31.....	4		
Las Animas County.....	Jan. 1-Mar. 31....	25		
Logan County.....	Jan. 1-Feb. 28....	17		
Mesa County.....	Jan. 1-31.....	4		
Fruita district.....	Dec. 26-Jan. 1....	3		
Montrose County.....	Jan. 1-Mar. 31....	86		
Morgan County.....	Jan. 1-Mar. 31....	28		
Otero County.....	Jan. 1-31.....	1		
Ouray County.....	Jan. 1-Feb. 28....	13		
Pitkin County.....	Feb. 1-Mar. 31....	9		
Prowers County.....	Mar. 1-31.....	9		
Pueblo County.....	Feb. 1-Mar. 31....	3		
Rio Grande County.....	Feb. 1-28.....	1		
San Miguel County.....	Jan. 1-31.....	1		
Summit County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-Mar. 31....	45		
Total for State.....		397		
District of Columbia.....	Dec. 19-Apr. 16...	48		
Total for District.....		48		
Florida:				
Alachua County.....	Jan. 1-Feb. 26....	3		
Citrus County.....	Mar. 27-Apr. 2.....	2		
Columbia County.....	Feb. 13-19.....	2		
Duval County.....	Jan. 1-Apr. 9.....	17		
Jacksonville.....	Jan. 30-Mar. 12....	4		
Escambia County.....	Feb. 6-Apr. 9.....	60		
Pensacola.....	Feb. 20-26.....	1		
Gadsden County.....	Jan. 1-Apr. 9.....	4		
Hillsboro County.....	Jan. 1-31.....	1		
Jackson County.....	Mar. 20-26.....	19		
Jefferson County.....	Mar. 20-26.....	15		
Leon County.....	Feb. 20-Mar. 26...	24		
Liberty County.....	Jan. 1-31.....	1		
Santa Rosa County.....	Mar. 20-Apr. 2.....	6		
Volusia County.....	Mar. 6-Apr. 16....	2		
Walton County.....	Jan. 1-31.....	3		
Total for State.....		165		

SMALLPOX IN THE UNITED STATES—Continued.
Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Georgia:				
Macon	Jan. 1-31	51		
Total for State		51		
Illinois:				
Alexander County	Jan. 1-31	6		
Bond County	Mar. 1-31	2		
Cass County	Feb. 1-Mar. 31	16		
Coles County	Jan. 1-Mar. 31	7		
Cook County—				
Chicago	Dec. 19-Mar. 31	4		
Dupage County	Feb. 1-28			Present.
Edwards County	Jan. 1-Mar. 31	32		
Effingham County	Jan. 1-Feb. 28	82		
Fayette County	Jan. 1-Feb. 28	2		
Franklin County	Jan. 1-31	6		
Gallatin County	Feb. 1-28	2		
Iroquois County	Feb. 1-28	1		
Jackson County	Jan. 1-Feb. 28	3		
Jasper County	Feb. 1-28			Do.
Kane County	Jan. 1-31	1		
Livingston County	Feb. 1-Mar. 31	4		
Macon County	Jan. 1-31	1		
McLean County	Jan. 1-Mar. 31	2		
Madison County	Feb. 1-Mar. 31	6		
Marion County	Feb. 1-28	2		
Montgomery County	Jan. 1-Feb. 28	10		
Morgan County	Mar. 1-31	3		
Pike County	Feb. 1-28	2		
Pulaski County	Jan. 1-31	2		
Richland County	Mar. 1-31	1		
Sangamon County	Jan. 1-31	4		Do.
Shelby County	Jan. 1-Feb. 28	10		
Wabash County	Jan. 1-31			Do.
Wayne County	Jan. 1-31	5		
Williamson County	Jan. 1-Mar. 31	76		
Total for State		292		
Indiana:				
Adams County	Oct. 1-Feb. 28	6		
Allen County	Oct. 1-Jan. 31	187	1	
Boone County	Feb. 1-28	3		
Carroll County	Nov. 1-Jan. 21	2		
Clark County	Dec. 1-Jan. 31	20		
Clinton County	Dec. 1-Feb. 28	45		
Crawford County	Jan. 1-Feb. 28	2		
Daviess County	Nov. 1-Feb. 28	30		
Decatur County	Jan. 1-Feb. 28	5		
Dekalb County	Dec. 1-Apr. 2	4		
Delaware County	Oct. 1-Nov. 30	20		
Fountain County	Jan. 1-31	1		
Fulton County	Jan. 1-Apr. 2	12		
Grant County	Oct. 1-Apr. 2	42	1	
Greene County	Oct. 1-31	6		
Hamilton County	Jan. 1-31	4		
Henry County	Jan. 1-31	2		
Huntington County	Jan. 1-Apr. 2	4		
Jefferson County	Nov. 1-30	1		
Jennings County	Jan. 1-Apr. 2	10		
Knox County	Oct. 1-31	7		
Laporte County	Dec. 1-31	1		
Madison County	Jan. 1-Apr. 2	4		
Marion County	Dec. 1-Apr. 2	4		
Marshall County	Oct. 1-Apr. 2	82		
Martin County	Jan. 1-31	1		
Miami County	Jan. 1-Apr. 2	4		
Montgomery County	Jan. 1-31	2		
Noble County	Nov. 1-Jan. 31	2		
Randolph County	Oct. 1-Apr. 2	2		
St. Joseph County	Oct. 1-Apr. 2	24		
Shelby County	Dec. 1-Apr. 2	49		
Stauben County	Nov. 1-30	3		
Tippecanoe County	Dec. 1-Apr. 2	4		
Vanderburg County	Oct. 1-31	8		
Vigo County	Feb. 1-28	1		
Wabash County	Feb. 1-28	7		
Warren County	Nov. 1-30	1		
Warrick County	Feb. 1-28	1		
Washington County	Jan. 1-31	1		
Wayne County	Nov. 1-Jan. 31	1		
Total for State		615	2	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general	Jan. 1-31.....	19		
Audubon County.....	Mar. 1-31.....	1		
Benton County.....	Mar. 1-31.....	1		
Buchanan County.....	Feb. 1-Mar. 31.....	9		
Buena Vista County.....	Jan. 1-31.....	1		
Calhoun County.....	Jan. 1-31.....	10		
Carroll County.....	Mar. 1-31.....	1		
Cass County.....	Jan. 1-31.....	1		
Cedar County.....	Jan. 1-Mar. 31.....	4		
Cherokee County.....	Jan. 1-Mar. 31.....	25		
Clayton County.....	Jan. 1-31.....	1		
Clinton County.....	Mar. 1-31.....	1		
Dallas County.....	Jan. 1-Mar. 31.....	6		
Delaware County.....	Feb. 1-28.....	4		
Dubuque County.....	Jan. 1-Mar. 31.....	47		
Floyd County.....	Feb. 1-28.....	2		
Grundy County.....	Feb. 1-28.....	4		
Jefferson County.....	Mar. 1-31.....	1		
Jones County.....	Jan. 1-Feb. 28.....	3		
Linn County.....	Jan. 1-Mar. 31.....	8		
Cedar Rapids.....	Dec. 1-31.....	7		
Lyon County.....	Mar. 1-31.....	6		
Madison County.....	Jan. 1-31.....	1		
Marion County.....	Jan. 1-31.....	2		
Marshall County.....	Jan. 1-Feb. 28.....	5		
Mitchell County.....	Feb. 1-Mar. 31.....	2		
Monroe County.....	Jan. 1-Feb. 28.....	3		
Osceola County.....	Mar. 1-31.....	1		
Polk County.....	Jan. 1-Mar. 31.....	75		
Pottawattamie County.....	Jan. 1-31.....	1		
Poweshiek County.....	Jan. 1-Mar. 31.....	19		
Scott County.....	Feb. 1-Mar. 31.....	5		
Sioux County.....	Jan. 1-Mar. 31.....	17		
Story County.....	Feb. 1-28.....	32		
Winnebago County.....	Feb. 1-28.....	5		
Woodbury County.....	Feb. 1-Mar. 31.....	3		
Sioux City.....	Dec. 1-31.....	2		
Wright County.....	Feb. 1-Mar. 31.....	2		
Total for State		337		
Kansas:				
Allen County.....	Jan. 1-Mar. 31.....	7		
Atchison County.....	Feb. 1-Mar. 31.....	10		
Atchison.....	Mar. 1-31.....	4		
Barton County.....	Jan. 1-31.....	1		
Bourbon County.....	Jan. 1-31.....	3		
Butler County.....	Feb. 1-Mar. 31.....	8		
Chautauqua County.....	Mar. 1-31.....	10		
Cherokee County.....	Jan. 1-Mar. 31.....	21		
Clark County.....	Mar. 1-31.....	5		
Clay County.....	Nov. 1-30.....	1		
Cloud County.....	Nov. 1-30.....	1		
Cowley County.....	Nov. 1-30.....	3		
Crawford County.....	Dec. 1-Mar. 31.....	5		
Pittsburg.....	Jan. 1-Mar. 31.....	9		
Decatur County.....	Nov. 1-Mar. 31.....	36		
Dickinson County.....	Jan. 1-Feb. 28.....	11		
Doniphan County.....	Mar. 1-31.....	12		
Douglas County.....	Dec. 1-Mar. 31.....	4		
Ellsworth County.....	Jan. 1-Feb. 28.....	18		
Finney County.....	Jan. 1-31.....	1		
Ford County.....	Jan. 1-Mar. 31.....	9	1	
Franklin County.....	Mar. 1-31.....	3		
Gove County.....	Dec. 1-31.....	3		
Graham County.....	Nov. 1-Feb. 28.....	47		
Gray County.....	Jan. 1-Feb. 28.....	25		
Greenwood County.....	Mar. 1-31.....	9		
Hamilton County.....	Jan. 1-31.....	2		
Harper County.....	Feb. 1-28.....	1		
Harvey County.....	Feb. 1-Mar. 31.....	5		
Jackson County.....	Dec. 1-Mar. 31.....	12		
Jefferson County.....	Feb. 1-28.....	2		
Jewell County.....	Nov. 1-Mar. 31.....	58		
Kearny County.....	Jan. 1-31.....	1		
Kingman County.....	Feb. 1-28.....	11		
Kiowa County.....	Jan. 1-31.....	2		
Labette County.....	Jan. 1-Mar. 31.....	9		
Parsons.....	Mar. 1-31.....	4		
Lane County.....	Nov. 1-30.....	1		
Leavenworth County.....	Dec. 1-Feb. 28.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Lincoln County.....	Mar. 1-31.....	1		
Logan County.....	Jan. 1-31.....	2		
Lyon County.....	Dec. 1-31.....	1		
McPherson County.....	Dec. 1-Jan. 31.....	3		
Marion County.....	Mar. 1-31.....	1		
Marshall County.....	Dec. 1-31.....	20		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Nov. 1-Mar. 31.....	180		
Coffeyville.....	Jan. 1-Feb. 28.....	36		
Nemaha County.....	Jan. 1-31.....	1		
Neosho County.....	Jan. 1-31.....	1		
Ness County.....	Dec. 1-Mar. 31.....	15		
Norton County.....	Nov. 1-Feb. 28.....	40		
Ossage County.....	Jan. 1-Mar. 31.....	61		
Osborne County.....	Mar. 1-31.....	4		
Phillips County.....	Jan. 1-Mar. 31.....	11		
Pottawatomie County.....	Nov. 1-Mar. 31.....	36		
Pratt County.....	Feb. 1-28.....	1		
Rawlins County.....	Jan. 1-Mar. 31.....	25		
Reno County.....	Nov. 1-Feb. 28.....	151		
Republic County.....	Feb. 1-Mar. 28.....	5		
Rice County.....	Jan. 1-Feb. 28.....	8		
Riley County.....	Jan. 1-Feb. 28.....	18		
Rooks County.....	Feb. 1-28.....	2		
Rush County.....	Jan. 1-31.....	5		
Russell County.....	Jan. 1-Feb. 28.....	4		
Saline County.....	Dec. 1-Mar. 31.....	4		
Scott County.....	Nov. 1-Feb. 28.....	19		
Sedgewick County.....	Dec. 1-Mar. 31.....	10	1	
Wichita.....	Jan. 1-31.....	1		
Shawnee County.....	Dec. 1-Mar. 31.....	58		
Topeka.....	Nov. 1-Mar. 31.....	72		
Sheridan County.....	Nov. 1-Jan. 31.....	8		
Smith County.....	Jan. 1-Mar. 31.....	5		
Sumner County.....	Nov. 1-Mar. 31.....	14		
Thomas County.....	Jan. 1-31.....	1		
Wabaunsee County.....	Nov. 1-Mar. 31.....	4		
Wilson County.....	Nov. 1-Feb. 28.....	4		
Woodson County.....	Jan. 1-Feb. 28.....	28		
Wyandotte County.....	Dec. 1-Jan. 31.....	91		
Kansas City.....	Jan. 1-Mar. 31.....	76		
Total for State.....		1,409	2	
Kentucky:				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 29.....	4		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		7		
Louisiana:				
Caddo Parish—				
Shreveport.....	Jan. 22-Feb. 28.....	5	2	
Iberia Parish.....	Feb. 1-Mar. 31.....	9		
Natchitoches Parish.....	Feb. 1-28.....	6		
Orleans Parish—				
New Orleans.....	Dec. 26-Apr. 16.....	142		
Morehouse Parish.....	Feb. 1-28.....	2		
St. John Parish.....	Feb. 1-Mar. 31.....	44		
St. Tammany Parish.....	Mar. 1-31.....	6		
Tensas Parish.....	Feb. 1-Mar. 31.....	17		
West Feliciana Parish.....	Mar. 1-31.....	2		
Total for State.....		233	2	
Maine:				
Aroostook County—				
Caribou.....	Feb. 1-28.....	6		
Total for State.....		6		
Maryland:				
Baltimore.....	Dec. 26-Jan. 1.....	1		
Dorchester County.....	Dec. 3-31.....	4		
Garrett County.....	Jan. 8-31.....	1		
Total for State.....		6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Massachusetts:				
Bristol County.....	Feb. 1-28.....	6		
Essex County.....	Jan. 1-Mar. 31.....	2		
Middlesex County.....	Jan. 1-Mar. 31.....	77		
Norfolk County.....	Mar. 1-31.....	1		
Lynn County.....	Jan. 1-31.....	4		
Plymouth County.....	Feb. 1-28.....	4		
Suffolk County.....	Jan. 1-Mar. 31.....	4		
Worcester County.....	Jan. 1-Mar. 31.....	23		
Total for State.....		121		
Michigan:				
Alcona County.....	Nov. 1-Mar. 31.....	31		
Alpena County.....	Mar. 1-31.....	1		
Antrim County.....	Nov. 1-Mar. 31.....	34		
Arenac County.....	Nov. 1-Mar. 31.....	142		
Bay County.....	Nov. 1-Mar. 31.....	154		
Benzie County.....	Mar. 1-31.....	1		
Berrien County.....	Jan. 1-Mar. 31.....	30		
Calhoun County.....	Feb. 1-Mar. 31.....	3		
Cass County.....	Feb. 1-Mar. 31.....	2		
Cheboygan County.....	Mar. 1-31.....	7		
Clare County.....	Feb. 1-Mar. 31.....	5		
Delta County.....	Dec. 1-Mar. 31.....	2		
Eaton County.....	Feb. 1-Mar. 31.....	8		
Emmet County.....	Nov. 1-Feb. 28.....	4		
Genesee County.....	Nov. 1-Mar. 31.....	279		
Gladwin County.....	Nov. 1-Jan. 31.....	8		
Grafton County.....	Nov. 1-30.....	1		
Hillsdale County.....	Mar. 1-31.....	1		
Houghton County.....	Nov. 1-Mar. 31.....	59		
Huron County.....	Feb. 1-Mar. 31.....	37		
Ingham County.....	Dec. 1-Mar. 31.....	14		
Ionia County.....	Nov. 1-Mar. 31.....	42		
Iosco County.....	Dec. 1-Mar. 31.....	6	1	
Kent County.....	Dec. 1-Feb. 28.....	5		
Keweenaw County.....	Jan. 1-Mar. 31.....	4		
Lapeer County.....	Nov. 1-Mar. 31.....	25		
Livingston County.....	Nov. 1-Mar. 31.....	32		
Manistee County.....	Feb. 1-Mar. 31.....	9		
Marquette County.....	Nov. 1-30.....	1		
Mason County.....	Nov. 1-30.....	1		
Mecosta County.....	Jan. 1-Mar. 31.....	19		
Midland County.....	Dec. 1-Feb. 28.....	11		
Missaukee County.....	Jan. 1-Mar. 31.....	34		
Montcalm County.....	Nov. 1-Mar. 31.....	14		
Montmorency County.....	Dec. 1-Mar. 31.....	38		
Oakland County.....	Jan. 1-Mar. 31.....	2		
Oceana County.....	Jan. 1-31.....	1		
Ogemaw County.....	Jan. 1-Mar. 31.....	25		
Ontonagon County.....	Nov. 1-Mar. 31.....	20		
Osceola County.....	Dec. 1-Mar. 31.....	16		
Oscoda County.....	Jan. 1-Feb. 28.....	7		
Otsego County.....	Dec. 1-31.....	1		
Presque Isle County.....	Dec. 1-Mar. 31.....	8		
Roscommon County.....	Jan. 1-31.....	6		
Saginaw County.....	Dec. 1-Feb. 28.....	109		
St. Clair County.....	Jan. 1-Mar. 31.....	22		
Sanilac County.....	Nov. 1-Mar. 31.....	7		
Shiawassee County.....	Dec. 1-Mar. 31.....	10		
Tuscola County.....	Feb. 1-Mar. 31.....	25		
Wayne County.....	Dec. 1-Feb. 28.....	8		
Total for State.....		1,331	1	
Minnesota:				
Anoka County.....	Feb. 1-28.....	5		
Becker County.....	Jan. 4-10.....	3		
Beltrami County.....	Dec. 21-Mar. 20.....	4		
Benton County.....	Dec. 14-20.....	7		
Blue Earth County.....	Dec. 21-27.....	1		
Carver County.....	Dec. 7-Jan. 3.....	4		
Chippewa County.....	Jan. 11-17.....	1		
Chisago County.....	Feb. 15-Apr. 3.....	8		
Cook County.....	Jan. 25-31.....	2		
Crow Wing County.....	Mar. 1-20.....	5		
Dakota County.....	Feb. 1-Mar. 20.....	9		
Dodge County.....	Jan. 25-31.....	1		
Faribault County.....	Feb. 8-Mar. 13.....	2		
Freeborn County.....	Jan. 18-Mar. 6.....	20		
Goodhue County.....	Dec. 28-Jan. 31.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Hennepin County.....	Dec. 28-Apr. 3.....	80		
Houston County.....	Feb. 8-14.....	4		
Hubbard County.....	Mar. 1-6.....	1		
Itasca County.....	Feb. 21-28.....	1		
Itasca County.....	Dec. 14-Feb. 28.....	2		
Kandiyohi County.....	Dec. 7-Apr. 3.....	3		
Koochiching County.....	Feb. 1-Mar. 6.....	2		
Lake County.....	Jan. 18-Mar. 13.....	9		
McLeod County.....	Mar. 7-13.....	1		
Martin County.....	Mar. 7-20.....	2		
Mower County.....	Dec. 28-Apr. 3.....	31		
Nicollet County.....	Feb. 15-Mar. 13.....	3		
Nobles County.....	Jan. 18-25.....	1		
Norman County.....	Jan. 18-Mar. 13.....	3		
Olmsted County.....	Feb. 8-Apr. 3.....	2		
Otertail County.....	Dec. 21-Mar. 6.....	28		
Pine County.....	Feb. 22-28.....	1		
Polk County.....	Dec. 7-Mar. 6.....	2		
Ramsey County.....	Jan. 11-Mar. 20.....	15		
Red Lake County.....	Dec. 7-Mar. 20.....	6		
Renville County.....	Dec. 7-13.....	1		
Rice County.....	Jan. 11-17.....	1		
Rock County.....	Dec. 7-Feb. 21.....	22		
Roseau County.....	Dec. 7-Apr. 3.....	40		
St. Louis County.....	Dec. 7-Mar. 27.....	44		
Scott County.....	Mar. 21-27.....	1		
Sherburne County.....	Jan. 11-Mar. 27.....	2		
Sibley County.....	Dec. 28-Feb. 28.....	9		
Stearns County.....	Feb. 1-21.....	4		
Swift County.....	Feb. 8-Mar. 20.....	5		
Todd County.....	Dec. 28-Mar. 20.....	4		
Wabasha County.....	Dec. 13-Feb. 21.....	29		
Wadena County.....	Feb. 1-21.....	15		
Wilkin County.....	Feb. 15-21.....	1		
Watsonwan County.....	Dec. 28-Jan. 31.....	1		
Wright County.....	Dec. 7-Mar. 20.....	46		
Yellow Medicine County.....	Feb. 22-28.....	9		
Total for State.....		504		
Mississippi:				
Adams County—				
Natchez.....	Dec. 26-Feb. 26.....	90	2	
Claborn County—				
Port Gibson.....	Dec. 19-25.....	1		
Coahoma County.....	Jan. 1-Apr. 1.....	80		
Harrison County—				
Biloxi.....	Jan. 2-Feb. 3.....	5		
Gulfport.....	Jan. 26-Mar. 9.....	9		
Marshall County.....	Jan. 30-Mar. 5.....	4	1	
Holly Springs.....	Jan. 2-29.....	6		
Wilkinson County—				
Woodville.....	Feb. 27-Mar. 19.....	27	1	
Total for State.....		222	4	
Missouri:				
Andrew County.....	Jan. 23-Feb. 26.....	5		
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-Apr. 9.....	29	1	
Kohoka.....	Apr. 20-26.....	2		
St. Joseph.....	Jan. 2-Feb. 5.....	7		
St. Louis.....	Dec. 26-Apr. 16.....	36		
Springfield.....	Jan. 1-Mar. 31.....	6		
Total for State.....		86	1	
Montana:				
Beaverhead County.....	Dec. 1-Feb. 28.....	5		
Broadwater County.....	Feb. 1-28.....	2		
Carbon County.....	Jan. 1-31.....	1		
Chouteau County.....	Jan. 1-31.....	6		
Custer County.....	Feb. 1-Mar. 31.....	2		
Dawson County.....	Nov. 1-Jan. 31.....	6		
Deerlodge County.....	Feb. 1-Mar. 31.....	2		
Flathead County.....	Oct. 1-Nov. 30.....	6		
Gallatin County.....	Dec. 1-Feb. 28.....	3		
Jefferson County.....	Nov. 1-30.....	1		
Lewis and Clark County.....	Oct. 1-Feb. 28.....	31		
Madison County.....	Jan. 1-Feb. 28.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Meagher County.....	Feb. 1-28.....	2		
Missoula County.....	Oct. 1-Mar. 31....	79		
Park County.....	Nov. 1-Jan. 31....	14		
Powell County.....	Nov. 1-Mar. 31....	4		
Ravalli County.....	Nov. 1-Mar. 31....	7		
Sanders County.....	Jan. 1-Mar. 31....	8		
Silverbow County.....	Oct. 1-Mar. 31....	199		
Butte.....	Dec. 19-Mar. 31....	57		
Yellowstone County.....	Jan. 1-31.....	2		
Total for State.....		439		
Nebraska:				
Lincoln.....	Jan. 1-Feb. 28....	5		
South Omaha.....	Dec. 5-11.....	3		
Total for State.....		8		
New Hampshire (entire State)...				
	Jan. 1-Feb. 28....	7		
New Jersey:				
Bergen County.....	Feb. 1-28.....	1		
Hudson County.....	Mar. 1-31.....	1		
Passaic County.....	Jan. 1-31.....	1		
Trenton.....	Jan. 30-Feb. 5....	1		
Total for State.....		4		
New York, general.....				
	Sept. 1-Nov. 30...	33	1	
Allegany County.....	Mar. 1-31.....	1		
Cattaraugus County.....	Dec. 1-31.....	1		
Cayuga County.....	Dec. 1-31.....	1		
Chautauqua County.....	Mar. 1-31.....	1		
Cortland County.....	Feb. 1-Mar. 28....	1		
Erie County.....	Dec. 1-31.....	17		
Buffalo.....	Feb. 1-28.....	1	1	
Tonawanda, township.....	Mar. 1-31.....	1		
Tonawanda, city.....	Feb. 1-Mar. 31....	23		
Herkimer County.....	Feb. 1-Mar. 31....	24		
Jefferson County.....	Dec. 1-Mar. 31....	9		
Lewis County.....	Dec. 1-Mar. 31....	13		
Nassau County.....	Mar. 1-31.....	1		
Niagara County.....	Dec. 1-Jan. 31....	40		
North Tonawanda.....	Feb. 1-Mar. 31....	33		
Northfield.....	Mar. 1-31.....	1		
Oneida County.....	Dec. 1-Jan. 31....	2		
St. Lawrence County.....	Jan. 1-Mar. 31....	21		
Ulster County.....	Jan. 1-31.....	2		
Westchester County.....	Jan. 1-31.....	1		
Total for State.....		227	2	
North Carolina:				
Alamance County.....	Jan. 1-Feb. 28....	86		
Beaufort County.....	Jan. 1-Feb. 28....	11		
Bertie County.....	Jan. 1-31.....	6		
Bladen County.....	Nov. 1-Jan. 31....	21		
Burke County.....	Jan. 1-31.....	20		
Cabarrus County.....	Jan. 1-Feb. 28....	15		
Caldwell County.....	Jan. 1-Feb. 28....	31		
Carteret County.....	Jan. 1-Feb. 28....	3		
Catawba County.....	Oct. 1-Feb. 28....	62		
Chatham County.....	Jan. 1-31.....	2		
Chowan County.....	Oct. 1-Feb. 28....	17		
Cleveland County.....	Oct. 1-Feb. 28....	4		
Craven County.....	Nov. 1-Feb. 28....	10		
Currituck County.....	Oct. 1-Feb. 28....	5		
Davidson County.....	Oct. 1-Feb. 28....	50		
Davie County.....	Jan. 1-Feb. 28....	29		
Duplin County.....	Nov. 1-Feb. 28....	24		
Durham County.....	Jan. 1-31.....	3		
Edgecombe County.....	Jan. 1-Feb. 28....	24		
Forsyth County.....	Oct. 1-Feb. 28....	101		
Franklin County.....	Oct. 1-Feb. 28....	185		
Gaston County.....	Nov. 1-Feb. 28....	26		
Greene County.....	Nov. 1-Feb. 28....	50		
Guilford County.....	Nov. 1-Feb. 28....	112		
Iredell County.....	Jan. 1-Feb. 28....	5		
Johnston County.....	Nov. 1-Jan. 31....	23		
Jones County.....	Oct. 1-Nov. 30....	12		
Lee County.....	Feb. 1-28.....	3		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Lenoir County	Jan. 1-Feb. 28	37		
Lincoln County	Jan. 1-Feb. 28	8		
McDowell County	Nov. 1-Feb. 28	75		
Mecklenburg County	Nov. 1-Feb. 28	102	1	
Nash County	Jan. 1-Feb. 28	125		Nov. 1-30, many cases.
New Hanover County	Feb. 1-28	1		
Onslow County	Jan. 1-Feb. 28	7		
Orange County	Feb. 1-28	2		
Famlico County	Feb. 1-28	40		Jan. 1-31, present.
Perquimans County	Jan. 1-31	4		
Pitt County	Jan. 1-Feb. 28	70		
Randolph County	Jan. 1-31	2		
Richmond County	Feb. 1-28	1		
Robeson County	Oct. 1-Feb. 28	19		
Rockingham County	Nov. 1-Feb. 28	50		
Rowan County	Nov. 1-Feb. 28	21		
Rutherford County	Nov. 1-Feb. 28	61		
Sampson County	Jan. 1-Feb. 28	3		
Stokes County	Jan. 1-Feb. 28	160		
Surry County	Oct. 1-Feb. 28	16		
Union County	Oct. 1-Feb. 28	66		
Wake County	Nov. 1-Feb. 28	61		
Washington County	Feb. 1-28	2		
Wayne County	Nov. 1-Feb. 28	28		
Wilkes County	Jan. 1-Feb. 28	39		
Wilson County	Nov. 1-Feb. 28	224		
Yadkin County	Oct. 1-Feb. 28	11		
Yancey County	Oct. 1-Feb. 28	35		
Total for State		2,210	1	
North Dakota:				
Barnes County	Mar. 1-31	2		
Billings County	Jan. 1-Mar. 31	15	1	
Bottineau County	Oct. 1-31	1		
Bowman County	Mar. 1-31	5		
Cass County	Dec. 1-Mar. 31	8		
Grand Forks County	Jan. 1-Mar. 31	3		
Griggs County	Mar. 1-31	1		
McLean County	Dec. 1-Jan. 31	4		
Nelson County	Feb. 1-Mar. 31	16		
Steele County	Feb. 1-Mar. 31	9		
Walsh County	Jan. 1-31	95		
Wells County	Mar. 1-31	23		
Williams County	Feb. 1-28	6		
Do.	Mar. 1-31	1		
Total for State		189	1	
Ohio:				
Allen County	Jan. 1-Mar. 31	37		
Adams County	Jan. 1-31	1		
Auglaize County	Feb. 1-Mar. 31	19		
Belmont County	Jan. 1-Feb. 28	7		
Brown County	Jan. 1-Feb. 28	19		
Clark County	Mar. 1-31	1		
Clermont County	Jan. 1-31	1		
Cuyahoga County—				
Cleveland	Dec. 19-26	1		
Darke County	Jan. 1-31	3		
Franklin County	Jan. 1-Feb. 28	7		
Hamilton County	Jan. 1-Mar. 31	3		
Jackson County	Jan. 1-Feb. 28	36		
Knox County	Feb. 1-28	1		
Miami County	Jan. 1-Feb. 28	2		
Montgomery County	Jan. 1-Mar. 31	4		
Paulding County	Mar. 1-31	2		
Portage County	Feb. 1-Mar. 31	30		
Richland County	Mar. 1-31	1		
Ross County	Jan. 1-Mar. 31	17		
Scioto County	Feb. 1-Mar. 31	4		
Seneca County	Feb. 1-28	3		
Shelby County	Jan. 1-Feb. 28	7		
Van Wert County	Jan. 1-Mar. 31	37		
Wayne County	Jan. 1-31	1		
Williams County—				
Stryker	Dec. 19-25	1		
Wyandot County	Feb. 1-28	4		
Total for State		249		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma, general	Jan. 1-Feb. 28.	626	30	
Beckham County	Nov. 1-30.	1		
Blaine County	Dec. 1-31.	7		
Coal County	Aug. 1-Sept. 30.	10		
Comanche County	Nov. 1-30.	1		
Creek County	Oct. 1-Nov. 30.	3		
Garfield County	Nov. 1-30.	1		
Grant County	Aug. 1-31.	1		
Harmon County	Aug. 1-31.	2		
Hughes County	Aug. 1-31.	3		
Jackson County	Aug. 1-Nov. 30.	19		
Kingfisher County	Oct. 1-31.	2		
Le Flore County	Oct. 1-31.	1		
Lincoln County	Aug. 1-31.	3		
McIntosh County	Sept. 1-30.	2		
Marshall County	Oct. 1-31.	1		
Muskogee County	Oct. 1-31.	1		
Orfuskee County	Oct. 1-31.	1		
Oklahoma County	Aug., Sept., and Nov.	14	1	
Osage County	Sept. 1-Oct. 31.	9		
Pawnee County	Aug. 1-31.	1		
Pottawatomie County	Sept. 1-Nov. 30.	41		
Pushmataha County	Sept. 1-30.	1		
Seminole County	Oct. 1-Nov. 30.	7		
Sequoyah County	Aug. 1-Sept. 30.	2		
Tulsa County	Nov. 1-30.	3		
Washington County	Nov. 1-30.	1		
Woodward County	Nov. 1-30.	1		
Total for State		765	31	
Oregon (entire State)	Sept. 1-Feb. 28.	118		
Portland	Nov. 1-30.	2		
Total for State		120		
Pennsylvania (entire State)	Dec. 1-Feb. 26.	57		
South Carolina:				
Clover	Jan. 23-29.	3		
Total for State		3		
Tennessee:				
Davidson County—				
Nashville	Feb. 20-Apr. 16.	6		
Dekalb County	Dec. 12-Jan. 26.	10		
Hamilton County—				
Chattanooga	Dec. 26-Apr. 16.	70		
Knox County—				
Knoxville	Jan. 2-Apr. 9.	49		
Shelby County	Nov. 1-Jan. 31.	28		
Memphis	Nov. 1-Apr. 16.	210		
Washington County	Dec. 26-Feb. 5.	11		
Total for State		384		
Texas, general	Jan. 1-Feb. 28.	1,276		
Amarillo	Jan. 16-22.	16		
Austin	Apr. 9-13.			Present.
Atascosa County	Jan. 31-Feb. 19.	6		
Denton County	Dec. 26-Feb. 27.	106	15	
El Paso	Nov. 1-Apr. 16.	8	1	
Fort Prairie	Apr. 1.			Do.
Fort Worth	Nov. 1-Apr. 2.	108	6	
Galveston	Feb. 6-Mar. 19.	5	1	
Hale County	Jan. 9-15.	7		
Normanna	Jan. 1-31.	12	5	
Rockdale	Feb. 13-19.	3		
San Antonio	Dec. 5-Apr. 16.	38	1	
Taylor	Feb. 27-Mar. 19.	2		
Waco	Jan. 1-Mar. 31.	17		
Walnut Springs	Jan. 12-18.	2		
Wills Point	Jan. 1-Mar. 31.	6	2	
Total for State		1,612	31	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Utah:				
Boxelder County.....	Dec. 1-Feb. 28	49		
Cache County.....	Dec. 1-Feb. 28	22		
Carbon County.....	Dec. 1-Jan. 31.	6		
Davis County.....	Dec. 1-Feb. 28	44		
Juab County.....	Jan. 1-Feb. 28.	20		
Plute County.....	Dec. 1-31.	1		
Rich County.....	Jan. 1-Feb. 28.	2		
Salt Lake County.....	Dec. 1-Feb. 28	90		
San Pete County.....	Dec. 1-Feb. 28	10		
Sevier County.....	Dec. 1-Feb. 28	8		
Summit County.....	Jan. 1-31	12		
Tooele County.....	Dec. 1-31.	1		
Uintah County.....	Dec. 1-Feb. 28	30		
Utah County.....	Dec. 1-Feb. 28	87		
Wasatch County.....	Dec. 1-Feb. 28.	10	1	
Weter County.....	Dec. 1-Feb. 28.	36		
Total for State.....		428	1	
Virginia:				
Brookneal.....	Apr. 10-16.	1		
Lynchburg.....	Jan. 30-Apr. 16	54	1	
Petersburg.....	Dec. 26-Jan. 26	2		
Portsmouth.....	Jan. 16-29	2		
Richmond.....	Dec. 1-Feb. 28.	7		
Total for State.....		66	1	
Washington:				
Asotin County.....	Jan. 1-31	1		
Chelan County.....	Feb. 1-28	1		
Columbia County.....	Feb. 1-28	4		
Cowlitz County.....	Feb. 1-28	2		
Franklin County.....	Jan. 1-31	2		
King County.....	Jan. 1-31.	5		
Seattle.....	Jan. 2-31.	7		
Kitsap County.....	Jan. 1-Feb. 28.	4	1	
Klickitat County.....	Jan. 1-31	15		
Lewis County.....	Jan. 1-31	2		
Lincoln County.....	Jan. 1-31	1		
Okanogan County.....	Feb. 1-28.	2		
Pierce County.....	Jan. 1-31	1		
Tacoma.....	Jan. 2-Feb. 28.	4		
San Juan County.....	Jan. 1-31	1		
Skagit County.....	Jan. 1-Feb. 28.	31		
Spokane County.....	Jan. 1-31	2		
Spokane.....	Dec. 19-Feb. 28	57		
Stevens County.....	Jan. 1-31	3		
Walla Walla County.....	Jan. 1-Feb. 28	29		
Whatcom County— Bellingham.....	Feb. 1-28.	3	1	
Wahkiakum County.....	Dec. 1-31.	8		
Whitman County.....	Jan. 1-Feb. 28	21		
Yakima County.....	Jan. 1-31	6		
Total for State.....		212	2	
West Virginia:				
Berkeley Springs.....	Dec. 27-Feb. 17.	6		
Wheeling.....	Jan. 30-Feb. 5	1		
Total for State.....		7		
Wisconsin:				
Ashland County.....	Mar. 1-31.	7		
Buffalo County.....	Feb. 1-Mar. 31	5		
Chippewa County.....	Jan. 1-31.	3		
Clark County.....	Jan. 1-Mar. 31	16		
Crawford County.....	Feb. 1-Mar. 31	17		
Dane County.....	Feb. 1-Mar. 31	14		
Dodge County.....	Mar. 1-31	2		
Douglas County.....	Jan. 1-Mar. 31	27		
Superior.....	Dec. 19-Jan. 1.	6		
Grant County.....	Feb. 1-28.	1		
Jefferson County.....	Jan. 1-Feb. 28	19		
Juneau County.....	Jan. 1-31.	1		
La Crosse County.....	Jan. 1-Mar. 31	20		
La Crosse.....	Dec. 19-Jan. 1.	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 29, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Langlade County.....	Jan. 1-Feb. 28.....	3		
Manitowoc County.....	Mar. 1-31.....	7		
Milwaukee County.....	Jan. 1-Feb. 28.....	19		
Milwaukee.....	Dec. 19-Jan. 1.....	2		
Price County.....	Feb. 1-28.....	1		
Rock County.....	Mar. 1-31.....	2		
Walworth County.....	Feb. 1-28.....	1		
Winnebago County.....	Jan. 1-Mar. 31.....	3		
Total for State.....		178		
Grand total for the United States.....		13,750	84	

MORBIDITY AND MORTALITY.

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

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.....	Apr. 23	50,814	11					1				1			
Ann Arbor, Mich.....	Apr. 16	14,711	6									1			
Baltimore, Md.....	Apr. 23	576,023	233	43	34	4	2	42	1	13	1	24		12	3
Bath, Me.....	do.	12,055								4		6			
Bayonne, N. J.....	do.	49,894						1		3		6		6	
Berkeley, Cal.....	Apr. 16	19,700	6	1				1				8			
Biddeford, Me.....	Apr. 23	17,676	2												
Binghamton, N. Y.....	Mar. 23	45,855	13	1	1	4		2				15		2	
Birmingham, Ala.....	Apr. 23	49,553	35	6	3	2	1	1		1		80	2	2	
Boston, Mass.....	do.	622,970	222	86	24	8	1	51		62	3	166	4	3	1
Boulder, Colo.....	do.							2		2					
Bridgeport, Conn.....	Apr. 16	90,913	30	3	4			7		4	1	5		4	
Do.....	Apr. 23		30	4	3			9		6		1			
Brockton, Mass.....	do.	53,978	10	5	1			4	2			1			
Butler, Pa.....	Apr. 16	49,892	9		1							8			
Cambridge, Mass.....	Apr. 26	101,872	31	10	12	1		11		3		8			
Camden, N. J.....	Apr. 23	89,305	36		6			3	1	8		1		1	1
Cambridge, Ohio.....	do.	11,733	1			1						17			
Carbondale, Pa.....	do.	15,698	5							1		1			
Charlotte, N. C.....	do.	35,101	14		1	1						6			
Chelsea, Mass.....	do.	39,862	11		1					3		3			
Chicago, Ill.....	do.	2,224,491	689	131	83	15	1	143	10	133	16	631	7	111	6
Chicopee, Mass.....	do.	20,010	4							9					
Cincinnati, Ohio.....	do.	351,212	130	22	26	3		7		4		107		5	
Clinton, Mass.....	do.	12,656	4												
Columbus, Ga.....	do.	17,893	8												
Columbus, Ohio.....	do.	155,340	47	17	5	2		4		3	1	165		1	2
Concord, N. H.....	Apr. 16	21,997	5					1		1		2			
Covington, Ky.....	Apr. 23	51,715	20		5	1		1		1		12		1	
Danville, Ill.....	do.	27,337	8	1								45	4		
Dayton, Ohio.....	do.	108,688	30	7	7			5				15		2	
Duluth, Minn.....	do.	74,520	22	1	1			24	2			12	1		
Dunkirk, N. Y.....	do.	18,061	8	1								15			
Elizabeth, N. J.....	do.	67,470	8		2					3	1	9			
El Paso, Tex.....	Apr. 16	22,911	39	5		3						19	2	6	
Elyria, Ohio.....	Apr. 9	11,653	4			1						1			
Do.....	Apr. 16		3												
Erie, Pa.....	Apr. 23	63,652	22	4	2	3	1	2		3		8			
Evansville, Ind.....	do.	66,948	23	3	1	3	1					13			
Everett, Mass.....	do.	32,931	12	3	4	1	2	6		2		8			

• Estimated population 1906. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

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

Cities.	Week ended—	Esti- mated popula- tion. 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Fort Wayne, Ind....	Apr. 16	54,180	25	1	1	1	1	2	1	84					
Freeport, Ill.....	Apr. 23	19,200	4		1				3						
Galesburg, Ill.....	do.	21,615	7				4	2							
Gloucester, Mass....	do.	25,923	6												
Grand Rapids, Mich.	do.	105,909	38	3	2	5	14	2		7		3			
Greensboro, N. C....	do.	16,081	5												
Harrison, N. J.....	do.	14,604	4				1	1							
Hartford, Conn.....	do.	103,898	36	3	4	1	6	5	1	8					
Haverhill, Mass.....	do.	38,354	20	2	1	1		5	1	11		2			
Homestead, Pa.....	do.	17,145	8	1	2		2								
Do.....	Apr. 7		10		1		1	2		2					
Do.....	Apr. 14		5	1	1				1						
Do.....	Apr. 22		3			1									
Hyde Park, Mass....	Apr. 23	15,522	3			1									
Jacksonville, Fla....	do.	40,798	21		6	3									
Jersey City, N. J....	do.	253,711	83	3	12	1	39	1	11	2	23				
Johnstown, Pa.....	do.	46,520	17	2	1	1	4	4			31		6		
Kalamazoo, Mich....	Mar. 19	36,504	26	1	2	1	1	1	1		3				
Kansas City, Kans...	Apr. 23	85,742	20	1		3		10	1	4	34				
Kearny, N. J.....	Apr. 16	15,765	3	1				4			3				
Do.....	Apr. 23		4						3		3				
Knoxville, Tenn....	do.	37,758	13		4			2			1				
Lackawanna, N. Y....	Apr. 16		6	1				1		1	1				
La Crosse, Wis.....	Apr. 23	29,224	13		1		6	8		2	2				
Lancaster, Pa.....	do.	49,962	19	3	4		8				12				
La Fayette, Ind.....	do.	19,801	4		1						10				
Lawrence, Mass....	do.	78,042	37	2	2		1	1	5	2	32	1			
Lebanon, Pa.....	do.	20,295	5		1		4								
Lowell, Mass.....	do.	95,125	37	2	4	4	15	1	4		33				
Lynchburg, Va.....	do.	29,457									2				
Malden, Mass.....	Apr. 16	41,535	12	2	1		2		1	1	2				
Manchester, N. H....	Apr. 23	68,561	23	2	2				3						
Marinette, Wis.....	Apr. 16	14,682	3				5		2						
Do.....	Apr. 23		2				6								
Marlboro, Mass....	Apr. 16	14,444	4	1	2	2					62				
Massillon, Ohio....	do.	13,610	1				2				14				
Do.....	Apr. 23		1				1				3				
McKeesport, Pa....	Mar. 5	47,677	20	3	3		4		2		43				
Do.....	Mar. 12		8	1	1		4		1		49		1		
Do.....	Mar. 19		22		2		8		2	2	31				
Do.....	Mar. 26		15		10		8	1	1		33				
Do.....	Apr. 2		21	1	1		5	1	5		52				
Medford, Mass....	Apr. 23	20,839	5		1		1				26				
Memphis, Tenn....	do.	136,363	45		2		7				1				
Milwaukee, Wis....	do.	332,495	118	26	5	30	4	42	30	6	78	1	8	1	
Mobile, Ala.....	Apr. 16	45,122	21		7		1								
Moline, Ill.....	Apr. 23	23,081	2		1				3						
Montgomery, Ala....	do.	43,927	17		1				1		1		3		
Mount Vernon, N. Y.	do.	27,891	12	1	2			3	3		3		1		
Muskegon, Mich....	Apr. 16	20,995	0												
Do.....	Apr. 23		7						2						
Nanticoke, Pa.....	Apr. 23		7						1		8				
Nebraska City, Nebr.	do.		1		1		2								
Newark, N. J.....	do.	308,669	112	17	16	4	64	3	42	2	2				
New Bedford, Mass..	do.	83,898	35	4	3	2	2	4		1	23				
Newburyport, Mass..	do.	14,832	11	2	1	1					42				
New Orleans, La....	do.	327,662	150	34	19	6	19		9	1	140	7			
Newport, Ky.....	do.	31,345	9		1		1								
Newton, Mass.....	do.	39,419	6	3			2		4		5				
New York, N. Y....	do.	4,450,963	1,561	857	185	23	5	768	31	540	50	1,302	33	42	4
Niagara Falls, N. Y.	do.	32,012	12			4		3			49	1			
North Adams, Mass..	do.	20,510	6	1				4							
Northampton, Mass.	do.	21,008	10								2				
North Weymouth, Mass.	do.	11,793		2	1				1						
Oakland, Cal.....	Apr. 9	73,812	27		4			3	3	1	7				
Do.....	Apr. 16		50	2	5	4		3	1	1	6				
Orange, N. J.....	Apr. 23	27,669	9	1	3	1		3			8				
Palmer, Mass.....	do.		3					2							
Peekskill, N. Y....	do.	15,473	8					2	1		1				
Pittsfield, Mass....	do.	27,589	11	1							1				

* Estimated population, 1906.

MORBIDITY AND MORTALITY—Continued.

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

Cities.	Week ended—	Esti- mated popu- lation, 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Plainfield, N. J.	Apr. 23	20,947	6	1											
Portsmouth, N. H.	do.	11,336													
Portsmouth, Va.	do.	19,225	9									2			
Pottstown, Pa.	do.	14,065	6		1					6		32		1	
Providence, R. I.	do.	217,065	91	34	6	1	13			18	1	8	1		1
Racine, Wis.	Apr. 16	34,840	14				2	1							
Do.	Apr. 23		13		1	2	1	2		1					
Reading, Pa.	Apr. 25	97,231	25	6	3	1	8			4	1	73		9	
Rock Island, Ill.	Apr. 23	24,766	5			1	1								
Sacramento, Cal.	Apr. 16	31,889	12	1	1		1			4		4			
St. Louis, Mo.	Apr. 23	686,369	201	44	22	4	83	6	32	2		60	2	32	
Sandusky, Ohio.	do.	20,737	2												
San Francisco, Cal.	Apr. 16	342,782	118	28	16	2	2	3		10		44		2	2
Saratoga Springs, N. Y.	do.	13,471	6	1		1				1		121			1
Somerville, Mass.	Apr. 23	75,375	24	5	2		9			4		19			
South Bend, Ind.	do.	49,321	12		4		2			1					
South Bethlehem, Pa.	do.	15,886	5	1			1					7			
South Omaha, Nebr.	do.	42,146	0												
Spokane, Wash.	Apr. 16	47,006	26		2		6		2			17	2		
Springfield, Mass.	Apr. 23	82,724	19	4	3	3	3	1	4	1		21		3	
Springfield, Ohio.	Apr. 16	43,975	13	7	5		1					12		1	1
Do.	Apr. 23		13	3	1		1			1		6			
Steelton, Pa.	do.	14,769	3	3	1					7	1			3	
Superior, Wis.	do.	40,919	12				4	1	1						
Taunton, Mass.	do.	30,926	11	2		2	1		1			7			
Terre Haute, Ind.	do.	55,509	18		2		1					222	2		
Titusville, Pa.	do.	8,397	2												
Trenton, N. J.	do.	92,878	5	8	3	3	2	16		3					
Utica, N. Y.	do.	69,458	24	5	3	1		2				8			
Waltham, Mass.	do.	28,522	7	2	2		2			8		1			
Warren, Ohio.	Apr. 2	11,838	2									1			
Do.	Apr. 9		1				2								
Do.	Apr. 23		1				2								
Do.	do.		11		1		3					28			
Wilkes-Barre, Pa.	do.	64,323	20		1	1	6		9			5			
Wilkesburg, Pa.	do.	19,999	6	1		1	3					10		5	1
Wilmington, Del.	do.	88,980	25		3			1							
Woburn, Mass.	do.	14,520	4									3			
York, Pa.	do.	41,895		14			2		3			3			
Zanesville, Ohio.	do.	25,614	7			9									

• Estimated population, 1906.

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

CALIFORNIA.—Month of February, 1910. Population 2,037,929. Total number of deaths from all causes 2,605, including typhoid fever 17, measles 28, scarlet fever 6, diphtheria 13, tuberculosis 439.

Sacramento.—Month of March, 1910. Population 55,000. Total number of deaths from all causes 61, including typhoid fever 1, measles 1, tuberculosis 11. Cases reported: Typhoid fever 2, small-pox 2, measles 86, scarlet fever 1, diphtheria 6, tuberculosis 7.

FLORIDA.—Week ended April 23, 1910. Reports from the state board of health show typhoid fever present in 4 localities with 8 cases, pellagra in 1 locality (Chattahoochee) with 1 case, 1 death,

smallpox in 3 counties with 7 cases, tuberculosis in 3 localities with 4 cases.

MARYLAND.—Month of February, 1910. Population 1,190,050. Total number of deaths from all causes 968, including typhoid fever 13, measles 7, diphtheria 8, tuberculosis 112. Cases reported: Typhoid fever 50, measles 102, scarlet fever 51, diphtheria 48. The typhoid fever cases were distributed as follows: Potomac River watershed 28 cases, Patapsco River watershed 4 cases, Patuxent River watershed 3 cases, Choptank River watershed 1 case.

MINNESOTA.—Month of January, 1910. Population 1,751,395. Total number of deaths from all causes 1,629, including typhoid fever 28, smallpox 2, measles 7, scarlet fever 24, diphtheria 51, tuberculosis 171.

NORTH CAROLINA.—Month of February, 1910. Reports to the state board of health show typhoid fever present in 29 counties, smallpox in 51 counties, measles in 40 counties, scarlet fever in 30 counties, diphtheria in 30 counties.

NORTH DAKOTA.—Month of March, 1910. Population 536,103. Total number of deaths from all causes 222, including typhoid fever 1, scarlet fever 4, diphtheria 1, tuberculosis 2. Cases reported: Typhoid fever 107, smallpox 17, measles 201, scarlet fever 153, diphtheria 61, tuberculosis 12.

FOREIGN AND INSULAR.

ASSIGNMENT OF INSPECTORS TO THE FRUIT PORTS OF CENTRAL AMERICA AND PORTS IN MEXICO AND THE WEST INDIES—CIRCULAR OF INSTRUCTIONS.

The following-named acting assistant surgeons have been appointed and assigned to duty in American consulates at the fruit ports of Central America and certain ports in Mexico and the West Indies, named below, for the present quarantine season, for the purpose of inspecting vessels, their cargoes, and crews, bound from said ports to ports of the United States and its insular possessions.

FRUIT PORTS.

C. L. Mengis, Limon, Costa Rica.
R. P. Ames, Livingston, Guatemala.
Allen Jumel, jr., Bluefields, Nicaragua.
T. B. L. Layton, Ceiba, Honduras.
Leroy Stowe, Puerto Cortez, Honduras.
Paul Osterhaut, Bocas del Toro, Panama.
C. K. Roe, Tela, Honduras.

MEXICO.

J. F. Harrison, Progreso, Mexico.
Henry Goldthwaite, Veracruz, Mexico.
W. R. P. Thompson, Coatzacoalcos, Mexico.
Alfredo E. Gochicoa, Salina Cruz, Mexico.

WEST INDIES.

George B. Le Sueur, Bridgetown, Barbados, British West Indies.
L. W. Cock, St. Thomas, Danish West Indies.
A. G. Maylie, Castries, St. Lucia, British West Indies.

The following special quarantine regulations for fruit vessels will be enforced:

[1907, Department Circular No. 27, Bureau of P. H. and M. H. S.]

SPECIAL QUARANTINE REGULATIONS FOR FRUIT VESSELS.

TREASURY DEPARTMENT,
OFFICE OF THE SECRETARY,
Washington, April 15, 1907.

To United States consular officers, master and owners of vessels, collectors of customs, national, state, and local quarantine officers, and others:

To permit vessels from foreign ports with perishable cargoes of fruit to enter southern ports in the United States, without detention, the following special regulations are promulgated, as provided in the general quarantine regulations of April, 1903, and will be enforced at the ports of departure, and on arrival.

These regulations are a concession to vessels engaged in the fruit trade and contain provisions for the conduct of such trade with safety without injurious detention of the fruit at domestic quarantine stations. While the regulations are more stringent when yellow fever is reported at a fruit port, they do not impose an embargo on the fruit traffic. The success of the regulations, however, depends upon reliable information as to health conditions and prompt knowledge of the first appearance and subsequent cases of yellow fever at any port. Therefore, the department reserves the right, when satisfied that information is being denied or withheld, to recall from the port the medical officer detailed thereto by authority of the President. In this event the issue of the special certificate required by these regulations would be impossible, and fruit vessels from a port from which the medical officer has been recalled will be subject to the general quarantine regulations requiring disinfection at the domestic station and detention of personnel six days thereafter.

REGULATIONS TO BE ENFORCED AT FOREIGN PORTS SUSPECTED OF BEING INFECTED WITH YELLOW FEVER.

1. None of the crew shall be allowed to go on land except the captain or his representative, or both when absolutely necessary, who shall go only to enter and clear the vessel, and only in the daytime.

2. No one from the shore shall visit the vessel except the quarantine officers, customs officers, and agent of the ship.

3. All laborers who may be taken on the ship for loading purposes must have no intercourse with the shore subsequent to their entry upon the vessel until their final discharge therefrom.

4. No intercourse is to be allowed with persons on shore, except as provided in the preceding paragraphs. All fruit intended for shipment on vessels lying at docks shall be graded and payment made for the same on shore or dock; such operations should not await the arrival of the fruit on shipboard. Fruit brought alongside by small boats or lighters shall be graded and necessary payment made over ship's side.

5. All passengers must embark from the regular ports and must have been under the observation of the sanitary inspector of the United States for at least three days prior to the departure of the ship, and be provided with his certificate to that effect. Where passengers come from elevated and noninfectible points in the interior to coast towns for embarkation, they should not be required to pass the three-day period of observation in the latter places because of possible danger of developing malarial or other tropical fevers. They should be required to bring a certificate from the United States consul or a reliable physician, and the sanitary inspector shall satisfy himself that they have been at such elevated and noninfectible interior points for three days immediately preceding their arrival at coast towns.

6. Special attention should be paid to the sanitary condition and history of passengers arriving, directly or indirectly, from the Pacific coast towns of Central America.

7. All outgoing vessels must be provided with a bill of health in accordance with the law, and, in addition thereto, certificates in duplicate, signed by the medical officer attached to the consulate, giving the name of the ship, her master, the number of crew, a list of passengers, their sanitary condition, their ultimate destination in the United States, and stating the health condition of the port and surrounding country, of the ship and her crew, with any other pertinent information; also certifying that the vessel has complied with all the requirements of this circular for the port of departure. This certificate shall be attached to the bill of health and the duplicate to the duplicate bill of health, and shall be the evidence of compliance with the above requirements on which the vessel, arriving with a good sanitary history and in good sanitary condition, may be admitted to entry, without the usual disinfection and detention in quarantine. Holds of such vessels should be disinfected with sulphur, after discharge of cargo, when deemed necessary.

REGULATIONS TO BE ENFORCED AT FOREIGN PORTS INFECTED WITH YELLOW FEVER.

8. The foregoing rules and regulations shall apply also to vessels engaged in the fruit trade between foreign ports infected with yellow fever, or where yellow fever prevails, and ports of the United States, and are the special regulations provided for in paragraph 69, Exception B, of the quarantine regulations for domestic ports, April 1, 1903. Attention is called to the further requirement that these vessels shall carry no passengers, and also to the general regulations to be observed at all foreign ports where yellow fever prevails with regard to vessels leaving for the United States or its dependencies.

9. The vessel shall not lie where her crew will be exposed to the danger of contracting yellow fever, and at ports where the vessels lie at wharves the vessel must be moved

into the stream or at least 200 meters from the wharf before sunset, and not returned to the wharf before sunrise the following day, except at ports where previous permission has been obtained from the bureau.

10. Water tanks, water buckets, and other collections of water about the vessel must be guarded in such manner that they shall not become breeding places for mosquitoes. The destruction of mosquitoes aboard must be insured as far as possible by the simultaneous fumigation—2 pounds of sulphur per 1,000 cubic feet, all openings closed for two hours—of all compartments which can be so treated without injury to the cargo. Pyrethrum powder, taking care to sweep up and destroy the mosquitoes, may be substituted in the engine room at the option of the medical officer.

11. The vessel should sail immediately after this fumigation is completed.

12. All baggage should be rigidly inspected and the exclusion of mosquitoes assured.

NOTE.—While the foregoing are specific regulations for fruit vessels, it should be borne in mind that they relate only to yellow fever, and that in the event of an outbreak of any other quarantinable disease at the port of departure, the general quarantine regulations for diseases other than yellow fever, approved April 1, 1903, should be enforced on these fruit vessels.

REGULATIONS TO BE ENFORCED AT SOUTHERN PORTS OF THE UNITED STATES.

13. Fruit vessels plying between United States ports and *fruit ports* where yellow fever is known to exist, will not be given pratique under the provisions of these special regulations until they have been not less than six days from the port of departure.

14. Whenever the master or agent of the vessel so desires, the following alternative to paragraph 13 is offered:

(a) Fruit vessels from ports where yellow fever is known to exist will be permitted to enter as soon as the crew, except the master, first mate, and chief engineer, shall have been removed from the vessel and placed in quarantine at the station and the living quarters of the vessel thoroughly fumigated. The quarantine officer shall certify the number of the crew removed, and shall compare and verify the same with the bill of health of the vessel. The vessel may then be released and either towed to the city docks or a new crew will be permitted to be placed on board.

(b) The new crew may either leave the ship at the dock or return with the vessel to the quarantine station, but if for any sanitary reason their detention on the vessel at the dock or return on the same vessel to the quarantine station should be deemed necessary by the quarantine officer or the service representative in the city such detention or return shall be required.

(c) The crew detained at the quarantine station may be released at the expiration of six days from the infected port or six days from their last possible exposure to infection. If for any reason the quarantine officer deems it necessary to detain them longer this may be done. After release the crew may be permitted to proceed to the city to rejoin their vessel, or rejoin the vessel at the station on her outward trip.

(d) Immediately after unloading at the dock all parts of the vessel shall be simultaneously fumigated for the destruction of mosquitoes with 2 pounds of sulphur per 1,000 cubic feet of space. After such fumigation lading for outgoing cargo may commence.

(e) If the vessel departs without cargo the vessel may be fumigated en route to quarantine.

(f) Two sets of quarters must be maintained at the quarantine station, one for the crews of incoming vessels, and the other for such relief crews as may be employed by the companies, and both quarters shall be fumigated immediately after being vacated.

(g) The requirements of these provisions, and each step and detail thereof, shall be certified by the proper quarantine officer before clearance papers are granted.

15. Fruit vessels without certificates of the United States sanitary inspectors at foreign ports shall be subject to the general quarantine regulations of the United States.

16. Persons exposed to infection in unloading cargo onto lighters shall be detained, after such exposure, as provided for other persons exposed to yellow fever.

17. Any officer of a fruit vessel detected in evading or violating these special regulations shall forfeit, for any vessel upon which he may subsequently be found, or be engaged, any participation in the special privileges accorded by these regulations.

18. Fruit vessels trading with any ports infected with yellow fever must carry a competent, qualified physician.

19. *Fruit vessels arriving with yellow fever on board, or having had yellow fever on board during the voyage*, shall be placed in quarantine. The personnel shall be removed, with the exception of the master, first mate, and engineer, the living apartments thoroughly disinfected, the vessel provided with a new crew sufficient to care for her, and towed, or proceed under her own steam, to the docks for discharge of cargo. All

officers and crew shall be detained on board, under guard, until the completion of the discharge of cargo, while the vessel is at the dock and until the return of the vessel to the quarantine station. Immediately upon the completion of the discharge of cargo, the holds shall be fumigated with sulphur and the vessel shall be returned to the quarantine station and permitted to take on her crew before proceeding to sea.

20. This circular supersedes all previous department circulars relating to special quarantine regulations for fruit vessels.

GEORGE B. CORTELYOU, *Secretary.*

AUSTRALIA.

[SYDNEY—Plague-prevention Work.

The following information is taken from bulletins received from the department of health of New South Wales:

During the month of February, 1910, 5,741 rats were destroyed. Of this number 1,773 were examined. No plague infection was found. The last case of human plague was reported May 29, 1909, and the last plague-infected rodent found June 15, 1909.

CHINA.

HONGKONG—Inspection of Vessels.

Passed Assistant Surgeon Foster reports, March 22:

Week ended March 19. Quarantine restrictions enforced by and against Hongkong remain as reported March 12.

INSPECTION AND DISINFECTION OF VESSELS.

Week ended March 12.

Vessels granted bills of health.....	7
Total members of crews.....	1, 130
Total cabin passengers.....	1, 034
Total steerage passengers.....	453
Members of crews bathed.....	573
Steerage passengers bathed.....	451
Pieces of baggage disinfected.....	1, 037
Vessels disinfected to kill rats.....	1
Crews' quarters disinfected:	
With formaldehyde.....	7
With sulphur.....	1

SHANGHAI—Inspection of Vessels—Smallpox.

Acting Assistant Surgeon Ransom reports, March 17 and 25:

Week ended March 12. Supplemental bills of health issued to 2 steamships having an aggregate personnel of 676. One vessel with 39 in crew and 2 steerage passengers was inspected. The steerage passengers were bathed and their effects disinfected. Manifests were viséed for 2,912 pieces of freight.

The weekly report of the municipal health officer shows among foreigners 2 new cases of smallpox and among natives 7 deaths from smallpox.

Week ended March 19. One original and 2 supplemental bills of health granted to 3 steamships having an aggregate personnel of 552. Vessels inspected, 2; members of crews, 112; steerage passengers, 24. Manifests viséed for 2,155 pieces of freight. Baggage of steerage passengers disinfected, 34 pieces. One vessel was fumigated to destroy vermin.

The weekly report of the municipal health officer shows 8 deaths from smallpox among natives.

CUBA.

CIENFUEGOS—*Inspection of Vessels.*

Acting Assistant Surgeon Suarez reports, April 21: Week ended April 16. Vessels inspected, 7. Bills of health issued, 7. Members of crews of outgoing vessels inspected, 162.

No quarantinable disease reported.

HABANA—*Inspection of Vessels.*

Passed Assistant Surgeon de Valin reports, April 26: Week ended April 23. Bills of health issued, 21. Vessels inspected, 15. Members of crews of outgoing vessels inspected, 666. Passengers of outgoing vessels inspected, 629.

The department of sanitation reports 23,314 houses inspected and 4,596 water deposits petrolized or suppressed during the period from April 1 to 10.

No quarantinable diseases were reported during the week.

MATANZAS—*Inspection of Vessels.*

Acting Assistant Surgeon Nuñez reports, April 25: Week ended April 23. Bills of health issued to 7 vessels bound for the United States. They carried an aggregate of 217 in crews and 14 passengers in transit.

No quarantinable disease was reported.

HAWAII.

The last case of human plague at Honolulu occurred July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 13, 1910.

At Hilo the last case of human plague occurred March 23, 1910. The last plague-infected rat was found March 26, 1910.

Passed Assistant Surgeon Ramus reports, April 11:

HONOLULU—*Plague-prevention Work.*

Week ended April 9, 1910.

Total rats taken.....	544
Trapped.....	537
Found dead.....	0
Examined bacteriologically.....	418
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus.....	85
Mus musculus.....	191
Mus norvegicus.....	53
Mus rattus.....	208
Average number of traps set daily.....	1,338

INDIA.

CALCUTTA—*Cholera and Plague.*

Acting Assistant Surgeon Allan reports, March 31:

Week ended March 19. At Calcutta there were 60 deaths from cholera and 37 from plague; in all Bengal, 3,924 cases of plague with 3,261 deaths; in all India, 31,621 cases with 27,262 deaths.

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Surgeon Geddings reports, April 11:

Vessels inspected at Naples and Palermo week ended April 9.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 3	Lazio.....	New York.....	1,007	60	1,280
4	Re d'Italia.....	do.....	973	70	1,180
6	Perugia.....	do.....	462	30	720
6	Ultonia.....	do.....			
7	Cincinnati.....	do.....	961	70	1,250
7	Celtic.....	do.....	2,052	180	2,300
8	Friedrich der Grosse.....	do.....	683	50	980
8	Europa.....	do.....	1,547	120	1,560
9	Florida.....	do.....	1,199	70	1,350
	Total.....		8,884	650	10,620

PALERMO.

Apr. 4	Lazio.....	New York.....	593	1,000	30
5	Re d'Italia.....	do.....	677	1,050	250
7	Perugia.....	do.....	452	700	250
9	Friedrich der Grosse.....	do.....	332	800	300
	Total.....		2,054	3,550	830

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Apr. 3	Lazio.....	60	8	28		5	101
4	Re d'Italia.....	36	3	18	1	5	63
6	Perugia.....	15	4	9		7	35
6	Ultonia.....						
7	Cincinnati.....	23	9	16	1	4	53
7	Celtic.....	57	8	29	1	11	106
8	Friedrich der Grosse.....	8	3	7	1	2	21
8	Europa.....	36	3	20		7	66
9	Florida.....	23	8	12		2	45
	Total.....	258	46	139	4	43	490

PALERMO.

Apr. 4	Lazio.....	29		18		4	51
5	Re d'Italia.....	22		19		5	46
7	Perugia.....	29		19		5	53
9	Friedrich der Grosse.....	17		8			25
	Total.....	97		64		14	176

Smallpox in Naples.—During the week ended April 10, 6 cases of smallpox were reported at the health office of the city of Naples.

JAPAN.

YOKOHAMA—Inspection of Vessels.

Surgeon Irwin reports, April 4:

Week ended April 2. Bills of health issued to the following-named vessels: Steamships *Manchuria* and *Albatross* for San Francisco, *Protesilaus* for Tacoma, and *Henrik Ibsen* and *Yawata Maru* for Manila. These vessels carried an aggregate of 593 in crew and 178 cabin and 793 steerage passengers.

MEXICO.

Report from the Superior Board of Health of Mexico.

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington, October 9-14, 1905, the president of the Superior Board of Health of Mexico reports, April 25, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended April 23, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

COATZACOALCOS—Inspection of Vessels.

Acting Assistant Surgeon Thompson reports, April 20:

Week ended April 20. Vessels inspected: April 14, steamships *Almerian* for New Orleans via Veracruz and Tampico, and *Texan* for Delaware Breakwater. April 19, steamship *Noruega* for Galveston via Veracruz. April 20, steamships *City of Tampico* for New Orleans via Veracruz and Tampico, and *American* for Delaware Breakwater.

RUSSIA.

Smallpox and Typhus Fever—Examination of Emigrants.

Acting Assistant Surgeon De Forest at Libau reports, April 13:

Ten days ended April 10. At Libau 2 cases of smallpox were reported April 6; 6 cases are present. At Riga 72 cases of typhus fever were reported; 219 cases present.

The steamship *Estonia* sailed April 12 with 66 cabin and 919 steerage passengers and a crew of 98 members. All had been in Libau for the full 5 days. Pieces of baggage disinfected, 128.

SIAM.

Quarantine Against Bangkok on Account of Plague.

The following information was received from the Department of State, under date of April 25:

The consul-general at Bangkok reported, April 14, that quarantine had been declared at Singapore against Bangkok on account of plague.

TURKEY IN ASIA.

Plague at Bassorah.

The following information was received from the Department of State, under date of April 28:

A telegram dated April 27 from the American consul at Bagdad reports plague at Bassorah.

VENEZUELA.

LA GUAIRA—Inspection of Vessels—Yellow Fever.

Acting Assistant Surgeon Kellogg reports, April 10 and 17:

Week ended April 9. Vessels inspected: April 4, steamship *Zulia* for New York, crew 45, passengers in transit 2, passengers taken on at this port 1. April 5, steamship *Caracas* for San Juan, crew 70, passengers taken on at this port 4. April 8, steamship *Cittá di Torino* for Ponce, crew 80, passengers in transit 67, passengers taken on at this port 16. April 9, steamship *Perou* for Colon, crew 169, passengers in transit 348, taken on at this port 10. Baggage inspected, 26 pieces.

No quarantinable disease was reported during the week.

Week ended April 16. Vessels inspected: April 11, steamship *Barrister* for Galveston, crew 40, no passengers. April 14, steamship *Prins der Nederlanden* for New York, crew 40, passengers in transit 17, taken on at this port 12.

A death from yellow fever occurred April 16.

ZANZIBAR.

ZANZIBAR—Examination of Rats for Plague Infection.

Consul Garrels reports, March 17 and 23:

During the weeks ended March 14 and 21, 1,041 and 928 rats, respectively, were received and examined. No plague infection was found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended May 6, 1910.

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Mar. 23-29.....		2	
Calcutta.....	Mar. 13-19.....		60	
Moulmine.....	Mar. 6-12.....	2	2	
Negapatam.....	Feb. 26-Mar. 4.....		7	
Rangoon.....	Mar. 13-19.....		2	

YELLOW FEVER.

Brazil:				
Manaos.....	Mar. 27-Apr. 2.....		2	
Para.....	Apr. 3-9.....	7	5	
Ecuador:				
Babahoyo.....	Mar. 16-31.....	1	1	
Guayaquil.....	Mar. 16-31.....	21	7	
Trinidad:				
Port of Spain.....	Apr. 3-9.....	1	1	
Venezuela:				
La Guaira.....	Apr. 7-15.....	1	1	
	Apr. 16.....		1	

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

Reports Received During Week Ended May 6, 1910.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Pernambuco.....	Feb. 16-Mar. 15.....		2	
Ecuador:				
Guayaquil.....	Mar. 16-31.....	13	6	
Egypt:				
Provinces—				
Assiout.....	Mar. 26-Apr. 1.....	4	3	
Fayoum.....	Mar. 28-Apr. 1.....	1	1	
Girgeh.....	Mar. 28-Apr. 1.....	1		
Minieh.....	Mar. 26-Apr. 1.....	9	4	
India:				
Bombay.....	Mar. 23-29.....		190	
Calcutta.....	Mar. 13-19.....		37	
Kurrachee.....	Mar. 20-26.....	57	58	
Rangoon.....	Mar. 13-19.....		12	
Persia:				
Bouchir.....	Mar. 24.....	1		
Turkey in Asia:				
Beirut.....	Apr. 9.....	1	1	
Bassorah.....	Apr. 27.....			Present.

SMALLPOX.

Austria:				
Galicia.....	Apr. 3-9.....	3		
Brazil:				
Pernambuco.....	Feb. 16-Mar. 15.....		106	
Canada:				
Nova Scotia—				
Halifax.....	Apr. 17-23.....	2		
Chile:				
Valparaiso.....	Mar. 26-Apr. 2.....	3		
China:				
Amoy, Kulangsu.....	Mar. 13-19.....		2	
Hankow.....	Mar. 6-19.....	4	2	
Nankin.....	Mar. 12.....			Present.
France:				
Nantes.....	Mar. 1-31.....	1		
Paris.....	Apr. 3-9.....	6		
Germany, general.....	Mar. 27-Apr. 9.....	17		
Great Britain:				
Sheffield.....	Apr. 3-9.....	4	1	
Greece:				
Athens.....	Mar. 20-26.....		1	
India:				
Bombay.....	Mar. 23-29.....		81	
Kurrachee.....	Mar. 20-26.....	3	2	
Rangoon.....	Mar. 13-19.....		28	
Italy, general.....	Apr. 4-10.....	24		
Naples.....	Apr. 4-10.....	6		
Japan:				
Formosa.....	Mar. 20-26.....	4		
Korea:				
Fusan.....	Jan. 26-Feb. 1.....	1		
Mexico:				
Mexico.....	Mar. 13-19.....		2	
Portugal:				
Lisbon.....	Apr. 3-9.....	37		
Russia:				
Libau.....	Apr. 4-10.....	9	1	
Odessa.....	Mar. 27-Apr. 2.....	48	6	
St. Petersburg.....	Mar. 26-Apr. 2.....	46	9	
Spain:				
Barcelona.....	Apr. 5-11.....		4	
Madrid.....	Mar. 1-31.....		6	
Seville.....	Mar. 1-31.....		6	
Valencia.....	Apr. 3-9.....	6		
Straits Settlements:				
Singapore.....	Mar. 13-19.....		1	

• Superior council of health, Constantinople, Mar. 30, 1910.

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

Reports Received from January 1 to April 29, 1910.

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Feb. 13-Mar. 12...	6		
Germany:				
Heydekrug.....	Nov. 19-Dec. 4.....	2		
Niedrung.....	Nov. 16-22.....	1		
India:				
Bombay.....	Nov. 24-Mar. 8.....		22	
Calcutta.....	Nov. 14-Mar. 12.....		665	
Madras.....	Jan. 1-Mar. 18.....		3	
Moulmine.....	Jan. 22-Feb. 4.....		13	
Negapatam.....	Jan. 30-Feb. 25.....		16	
Rangoon.....	Nov. 14-Mar. 12.....		47	
Java:				
Batavia.....	Nov. 14-Mar. 12.....	389	111	
Samarang.....	Feb. 20-Mar. 5.....	50	35	Feb. 1-28, 216 cases.
Norway:				
Friedershalld.....	Dec. 31-Jan. 3.....	1	1	From a vessel from Riga.
Persia:				
Astara.....	Dec. 1-15.....	36	22	
Philippine Islands:				
Manila.....	Nov. 7-Mar. 12.....	134	98	Third quarter, 1909. Cases, 82; deaths, 61.
Provinces.....				Third quarter, 1909. Cases, 3,946; deaths, 2,600.
Albay.....	Nov. 7-20.....	6	6	
Bataan.....	Nov. 7-Feb. 26.....	216	156	
Bohol.....	Nov. 7-Feb. 26.....	50	32	
Bulacan.....	Nov. 7-Jan. 1.....	32	27	
Camarines.....	Nov. 7-20.....	5	5	
Capiz.....	Nov. 21-Dec. 18.....	3	2	Jan. 1-Feb. 12, 50 cases from a coasting vessel.
Cavite.....	Nov. 7-Mar. 5.....	107	79	Nov. 20, 1 case on s. s. Yaptico.
Cebu.....	Nov. 7-Feb. 12.....	333	251	
Laguna.....	Dec. 19-25.....	4	4	
Leyte.....	Nov. 21-Jan. 15.....	36	32	
Misamis.....	Jan. 16-Feb. 19.....	42	40	
Oriental Negros.....	Nov. 7-20.....	10	5	
Pampanga.....	Nov. 7-Mar. 12.....	257	93	
Rizal.....	Nov. 7-Jan. 22.....	11	7	
Tarlac.....	Nov. 7-13.....	9	5	
Russia, general.....	Nov. 21-Jan. 29.....	440	203	
Baku, government.....	Nov. 21-Dec. 25.....	22	22	
Baku.....	Nov. 21-Jan. 22.....	28	18	
Don, territory.....	Nov. 28-Jan. 29.....	19	12	
Ekaterinslav, government.....	Nov. 21-Jan. 29.....	25	8	
Jaroslav, government.....	Nov. 21-27.....		1	
Kaluga.....	Dec. 26-Jan. 1.....	1		
Kherson.....	Jan. 23-29.....	3	6	
Kostroma, government.....	Nov. 21-27.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11.....	6		
Moscow, government—				
Moscow.....	Nov. 29-Jan. 22.....	256	115	
Novotscherkask.....	Mar. 18.....	2	2	
Pskov, government.....	Nov. 21-27.....	10		
St. Petersburg, government.....	Nov. 21-Dec. 18.....	14	12	
St. Petersburg.....	Nov. 21-Jan. 1.....	53	12	
Taurida, government.....	Nov. 21-Dec. 25.....	66	28	
Vitebsk, government.....	Nov. 21-27.....	2		
Slam:				
Bangkok.....	Oct. 28-Feb. 28.....	15	15	
Siberia:				
Vladivostok.....	Nov. 16-21.....	1		
Straits Settlements:				
Singapore.....	Dec. 19-Jan. 15.....		4	
Sumatra:				
Palembang.....	Sept. 20-Oct. 20.....	936	675	
Turkey in Asia:				
Trebitzond.....	Nov. 28.....	1		On a vessel from Batum.

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

Reports Received from January 1 to April 29, 1910.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos.....	Nov. 21-Mar. 26.....	.....	64	
Para.....	Nov. 28-Apr. 2.....	123	97	
Ecuador:				
Babahoyo.....	Jan. 1-Mar. 15.....	5	1	
Guayaquil.....	Dec. 1-Mar. 15.....	155	50	
Peru:				
Callao.....	Nov. 2-Dec. 2.....	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo...	Dec. 20.....	1	1	
Panama:				
Canal Zone—				
Ancon.....	Jan. 24.....	.....	1	At Ancon Hospital, from s. s. Barbadian.
Culebra Island.....	Mar. 1-8.....	1	1	At Culebra quarantine station, from s. s. Hualago.
Trinidad:				
Port of Spain.....	Nov. 28-Dec. 4.....	1	1	
Venezuela:				
La Guaira.....	Mar. 1-Apr. 2.....	5	4	

PLAGUE.

Arabia:				
Aden.....	Jan. 21-23.....	1	1	From an Austrian mail steamer from Bombay.
Brazil:				
Bahia.....	Nov. 20-Mar. 11.....	58	32	
Para.....	Nov. 28-Feb. 19.....	12	9	
Pernambuco.....	Oct. 15-Feb. 15.....	.....	24	
Rio de Janeiro.....	Nov. 2-Jan. 23.....	16	2	
Santos.....	Nov. 1-Dec. 29.....	5	3	One case from bark Amasone Dec. 1. Feb. 2 present.
Chile:				
Antofagasta.....	Mar. 19.....	4	.....	In the lazaretto.
Iquique.....	Feb. 12-Mar. 20.....	.....	.....	Epidemic.
Taltal.....	Jan. 15.....	2	1	
China:				
Amoy.....	Apr. 15.....	.....	.....	Present.
Hankow.....	Nov. 27-Dec. 7.....	20	20	Feb. 1 again present
Hongkong.....	Nov. 21-27.....	1	1	
Ecuador:				
Babahoyo.....	Dec. 16-Feb. 15.....	18	6	
Guayaquil.....	Dec. 1-Mar. 15.....	237	91	
Milagro.....	Jan. 1-Mar. 15.....	23	7	
Egypt:				
Alexandria.....	Nov. 19-Mar. 25.....	9	4	
Port Said.....	Nov. 30-Dec. 22.....	2	1	
Provinces—				
Assiout.....	Sept. 29-Mar. 25.....	80	28	
Beherach.....	Dec. 8-14.....	1	.....
Beni Souef.....	Dec. 16-Mar. 18.....	31	10	
Fayoum.....	Jan. 20-Mar. 25.....	19	13	
Galiobeh.....	Jan. 11-Mar. 25.....	14	7	
Garbleh.....	Feb. 2-Mar. 18.....	14	11	
Girzeh.....	Dec. 19-26.....	2	1	
Glizeh.....	Dec. 19-Jan. 2.....	2	2	
Kena.....	Feb. 3-20.....	2	2	
Menouf.....	Nov. 28-Dec. 15.....	17	6	
Minieh.....	Dec. 21-Mar. 25.....	45	25	
German East Africa:				
Mpwapwa.....	Sept. 19-Oct. 5.....	7	.....
Hawaii:				
Hilo.....	Mar. 12-22.....	4	4	
Honokaa.....	Mar. 14-15.....	2	2	
India:				
Bombay.....	Dec. 27-Mar. 25.....	.....	747	
Calcutta.....	Nov. 20-Feb. 26.....	.....	159	
Kurrachee.....	Dec. 19-Mar. 19.....	568	583	
Rangoon.....	Nov. 13-Mar. 12.....	.....	58	
Bombay Presidency and Sind.....	Nov. 7-Mar. 19.....	20,573	14,461	
Madras Presidency.....	Nov. 7-Mar. 19.....	1,329	942	
Bengal.....	Nov. 7-Mar. 19.....	23,017	22,959	

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

Reports Received from January 1 to April 29, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
United provinces.....	Nov. 7-Mar. 19....	93,311	86,809	
Punjab.....	Nov. 7-Mar. 19....	54,798	46,107	
Burma.....	Nov. 7-Mar. 19....	3,220	2,830	
Central provinces, including Berar.....	Nov. 7-Mar. 19....	22,317	17,689	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Mar. 19....	1,913	1,421	
Hyderabad State.....	Nov. 7-Mar. 19....	453	371	
Central India.....	Nov. 7-Mar. 19....	1,406	931	
Rajputana and Ajmer-Merwara.....	Nov. 7-Mar. 19....	12,183	10,562	
Kashmir.....	Nov. 7-Mar. 19....	404	235	
Grand total.....		239,929	205,318	
Indo-China:				
Saigon.....	Nov. 7-Dec. 25....	5	4	
Japan:				
Kobe.....	Nov. 28-Mar. 12....	26	21	
Shikoku Island.....	Jan. 30-Feb. 5....	1		
Paraguay.....	Dec. 10.....		30	In the northern part.
Peru:				
Arequipa, department.....	Dec. 10-16.....	1		
Mollendo.....	Dec. 20-Mar. 17....	14	5	
Callao department—				
Callao.....	Jan. 17-Feb. 7....	5		
Lambayeque, department.....	Oct. 1-Dec. 16....	39	13	
Pacasmayo.....	Mar. 19.....			Present.
Libertad, department.....	Nov. 19-Dec. 16....	32	3	
Lima, department.....	Oct. 22-Dec. 16....	10	6	
Lima.....	Feb. 11-25.....	1		In lazaretto from S. S. Ammon.
Pisco.....	Feb. 19.....	1		From S. S. Ammon.
Mauritius.....	Dec. 18-Jan. 27....	120	70	
Russia:				
Astrakan, government.....	Dec. 5-Feb. 27....	134	120	
Nsourzali-Tchagil.....	Jan. 17-Feb. 2....	26	26	
Beiskulak.....	Dec. 10-16.....	18	16	
Bodal.....	Feb. 14-Mar. 1....	23	21	
Dshedda.....	Jan. 7.....			Present.
Libau.....	Dec. 3-Mar. 18....	4	4	
Novaisa-Kazanka.....	Feb. 20-Mar. 3....	13	11	
Uralsk, district.....	Nov. 25-Jan. 12....	208	202	
Siam:				
Bangkok.....	Oct. 28-Feb. 28....	34	30	
Phrapatom.....	Feb. 15.....			Epidemic.
Straits Settlements:				
Singapore.....	Dec. 25-Jan. 1....	2	2	
Turkey in Asia:				
Beirut.....	Nov. 29-Dec. 14....	3		
Jiddah.....	Jan. 5-Apr. 3....	65	63	
Venezuela:				
Puerto Cabello.....	Feb. 24.....	2		
Zanzibar.....	Nov. 9-17.....	2	2	

SMALLPOX.

Abyssinia:				
Adis Ababa.....	Feb. 19-26.....			Epidemic.
Arabia:				
Aden.....	Feb. 15-21.....		1	
Algeria, general:				
Algiers.....	Dec. 1-15.....	22		
Bona.....	Nov. 1-Jan. 31....		3	
Bona.....	Dec. 1-Feb. 28....	12	9	
Argentina:				
Buenos Aires.....	Oct. 1-Jan. 31....		158	
Rosario.....	Dec. 1-31.....		1	
Austria:				
Bohemia.....	Feb. 20-Apr. 2....	4		
Gallcia.....	Jan. 1-Mar. 26....	16		
Vienna.....	Jan. 9-29.....	2		
Brazil:				
Bahia.....	Nov. 20-Mar. 11....	386	259	
Para.....	Jan. 31-Mar. 5....	1		
Pernambuco.....	Oct. 16-Feb. 15....		355	
Rio de Janeiro.....	Nov. 2-Feb. 27....	25	1	
Sao Paulo.....	Nov. 1-21.....		2	

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

Reports Received from January 1 to April 29, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada:				
British Columbia—				
Vancouver.....	Jan. 1-Mar. 31.....	7		
Nova Scotia—				
Halifax.....	Dec. 19-Apr. 16....	11		
Windsor.....	Dec. 1-Jan. 31.....	40		
Ontario				
Hamilton.....	Apr. 10-16.....	1		
Port Arthur.....	Mar. 11-19.....	5		
Ceylon:				
Colombo.....	Feb. 6-Mar. 5.....	7		
Chile:				
Antofagasta.....	Jan. 1.....			Present. Feb. 12, 8 cases in lazaretto.
Quillota.....	Nov. 28-Dec. 4.....			Present.
Valparaiso.....	Nov. 20-Jan. 1.....			Do.
China:				
Amoy, Kulangsu.....	Nov. 28-Mar. 12....		15	
Canton.....	Dec. 12-Mar. 19....	145	17	
Chang Cheun.....	Dec. 11.....			Do.
Chlo Be.....	Dec. 11.....			Do.
Hankow.....	Jan. 2-Feb. 19.....	2	1	Dec. 19-Feb. 26, present among natives.
Hongkong.....	Feb. 5-Mar. 12.....	14	5	
Shanghai.....	Nov. 1-Mar. 27....	8	42	Deaths among natives.
Swatow.....	Apr. 6.....			Epidemic.
Cuba:				
Habana.....	Dec. 3-9.....	1		From s. s. La Navarre.
Ecuador:				
Guayaquil.....	Jan. 1-31.....	3		
Egypt, general.....	Nov. 5-Feb. 18....	749	187	
Alexandria.....	Nov. 5-Jan. 21....	20	19	
Cairo.....	Nov. 26-Mar. 25..	26	4	
Port Said.....	Mar. 19-25.....	1		
France:				
Nantes.....	Jan. 1-31.....	1		
Paris.....	Dec. 5-Apr. 2.....	140	18	
Germany, general.....	Dec. 5-Mar. 26....	115		
Bremen.....	Feb. 27-Apr. 2....	2		
Königsberg.....	Dec. 12-Jan. 15..	2	2	In vicinity.
Great Britain:				
Bristol.....	Feb. 6-Mar. 26....	4		Mar. 12-26. 2 cases on steamship from Bombay.
Greenock.....	Feb. 6-12.....	1		
Hull.....	Jan. 16-22.....	2		
Liverpool.....	Dec. 19-Apr. 9....	10		
London.....	Nov. 28-Mar. 5....	21		
Newcastle-on-Tyne.....	Feb. 13-Mar. 5....	3	1	
Nottingham.....	Jan. 16-26.....	4	1	
Plymouth.....	Nov. 12-18.....	1	1	
Sheffield.....	Mar. 27-Apr. 2....	1		
Southampton.....	Nov. 12-18.....	1		
South Shields.....	Feb. 13-19.....	1		
Greece:				
Athens.....	Nov. 22-Mar. 19..		20	
Hawaii:				
Honolulu.....	Jan. 31-Apr. 15..	5	1	2 cases Jan. 31 from U. S. S. Washington from Yokohama. 1 case Feb. 2 on s. s. Makura. 1 case Apr. 9 on s. s. Manchuria from the Orient. Case Apr. 15 on U. S. S. Albatross from Yokohama.
India:				
Bombay.....	Nov. 24-Mar. 22....		441	
Calcutta.....	Nov. 14-Mar. 12....		21	
Kurrachee.....	Jan. 2-Mar. 19....	14	2	
Madras.....	Dec. 18-Mar. 18....		10	
Rangoon.....	Nov. 20-Mar. 12....		138	
Indo-China:				
Saigon.....	Dec. 7-13.....	1		
Italy, general.....	Nov. 29-Apr. 3....	306		
Genoa.....	Dec. 1-Mar. 15....	20	1	
Milan.....	Jan. 1-16.....	1		
Naples.....	Dec. 6-Apr. 3....	281	49	
Japan:				
Formosa.....	Feb. 6-Mar. 19....	73	10	
Kobe.....	Dec. 12-25.....	1	1	
Yokohama.....	Mar. 22.....			One case on s. s. Ferd. Lœwis from Hamburg.
Java:				
Batavia.....	Dec. 12-Feb. 12..	9	1	

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

Reports Received from January 1 to April 29, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Korea:				
Fusan.....	Feb. 1-Mar. 12.....	8	2	
Imyokyo.....	Feb. 26.....			Present.
Liberia:				
Monrovia.....	Nov. 28-Dec. 4.....	6		
Malta:				
Valetta.....	Dec. 12-Jan. 15.....	3	1	
Manchuria:				
Tie-ling.....	Feb. 19.....			Do.
Mexico:				
Aguascalientes.....	Dec. 12-Apr. 16.....		56	
Chihuahua.....	Dec. 13-Mar. 27.....	16	9	
Guadalajara.....	Jan. 29-Mar. 11.....		6	
Manzanillo.....	Mar. 1-6.....	5		
Mexico.....	Nov. 14-Mar. 12.....		19	
Monterey.....	Nov. 13-Apr. 10.....		4	
Veracruz.....	Feb. 13-19.....	1		
Newfoundland:				
St. Johns.....	Apr. 3-9.....	1		
New Providence:				
Nassau.....	Apr. 2.....	1		From s. s. Vigilancia.
Netherlands:				
Rotterdam.....	Dec. 5-11.....	7		
Persia:				
Arabistan.....	Dec. 6-31.....			Present.
Enzell.....	Jan. 9-Feb. 2.....			Do.
Hamadan.....	Nov. 15-Dec. 31.....			Do.
Kasbin.....	Jan. 5-Feb. 3.....			Do.
Kurdistan.....	Dec. 6-31.....			Do.
Laristan.....	Dec. 9-15.....			Do.
Mohammerah.....	Jan. 9-Feb. 2.....			Do.
Sultanabad.....	Nov. 15.....			Do.
Teheran.....	Nov. 1-Dec. 2.....			Do.
Peru:				
Callao.....	Dec. 6-12.....			Do.
Philippine Islands:				
Manila.....	Nov. 14-Mar. 12.....	49		Third quarter, 1909. Cases, 5; deaths, 0.
Portugal:				
Lisbon.....	Dec. 5-Apr. 2.....	299		
Porto Rico, general.....	July 1-Dec. 31.....	72	12	
Russia:				
Batoum.....	Dec. 1-31.....	5		
Libau.....	Dec. 6-Apr. 3.....	51	1	
Moscow.....	Nov. 21-Mar. 26.....	282	100	
Odessa.....	Nov. 21-Mar. 26.....	457	96	
Riga.....	Dec. 5-Apr. 2.....	57		Oct. 1-Dec. 31, 26 deaths.
St. Petersburg.....	Nov. 28-Mar. 26.....	774	222	
Saratov.....	Mar. 19-25.....			Epidemic.
Warsaw.....	Oct. 24-Feb. 5.....		223	
Siam:				
Bangkok.....	Nov. 28-Feb. 28.....	11	10	
Siberia:				
Vladivostok.....	Jan. 15-Feb. 13.....	6	2	
Spain:				
Almeria.....	Jan. 1-Feb. 28.....		16	
Barcelona.....	Dec. 14-Apr. 4.....		38	
Cadiz.....	Jan. 1-31.....		1	
Huelva.....	Nov. 1-Feb. 28.....		19	
Madrid.....	Dec. 1-Jan. 31.....		59	
Seville.....	Dec. 1-Feb. 28.....		12	
Tarragona.....	Feb. 20-26.....		1	
Valencia.....	Jan. 9-Apr. 2.....	14		
Vigo.....	Jan. 23-Mar. 19.....		2	Mar. 5-19, present in vicinity.
Straits Settlements:				
Singapore.....	Jan. 22-Mar. 12.....		10	
Tripoli:				
Tripoli.....	Nov. 14-Dec. 25.....	242	24	
Turkey:				
Constantinople.....	Jan. 2-Feb. 6.....		2	
Turkey in Asia:				
Bagdad.....	Nov. 21-Feb. 26.....			Present.
Salonica.....	Jan. 1-31.....		3	
Smyrna.....	Nov. 5-Dec. 31.....		42	
Trebizond.....	Mar. 5.....			Do.
Uruguay:				
Montevideo.....	Oct. 1-Jan. 31.....		94	
Venezuela:				
La Guaira.....	Mar. 1-15.....	1		

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—												
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.		
Aix la Chapelle.....	Apr. 2	161,894	32	3								2				
Amsterdam.....	Apr. 9	569,712	123	14							1	2				
Antwerp.....	Apr. 2	326,351	97	8							1	1	7		4	
Do.....	Apr. 9		109										3		3	
Asuncion.....	Mar. 19	72,000	25	1						1						
Athens.....	Mar. 26	25,010	67	17				1		1			1			
Barcelona.....	Apr. 11	591,272	380	32						3			3	8		1
Barranquilla.....	Apr. 9	40,000	26	1				4			1					
Berlin.....	Apr. 2	2,128,212	599	88								8	14	5		4
Birmingham.....	Apr. 9	570,113	175								1	1				7
Bordeaux.....	Mar. 26	253,000	96							2						3
Do.....	Apr. 2		126							3			1	1		1
Do.....	Apr. 9		116										1	1		4
Belfast.....	do.....	391,167	168	36									1	11		12
Bergen.....	do.....	87,749	16	2									2			2
Birmingham.....	Apr. 16	570,113	169								4	4		1		
Bombay.....	Mar. 29	977,822	850	54	190	2				6				2		
Bradford.....	Mar. 26	295,865	94	9						1				5		2
Do.....	Apr. 2		82	8							1			3		1
Do.....	Apr. 9		94	7										3		1
Bremen.....	do.....	235,648	75	13								1	1	4		
Bristol.....	do.....	382,550	115	11												1
Do.....	Apr. 16		123	5						1	1	2		8		4
Brussels.....	Apr. 9	720,030	228	27						2						5
Budapest.....	Apr. 10	950,610									7	11				
Calcutta.....	Mar. 19	847,796	495	46	37	60								10		
Chemnitz.....	Apr. 9	280,230	69	12										1		
Chihuahua.....	Apr. 10	37,000	33	4									1			
Do.....	Apr. 17		35	2										1		1
Christiania.....	Apr. 9	236,000	62	9								1	2			
Cologne.....	do.....	510,903	153	22										2	9	8
Constantinople.....	Apr. 10	1,000,000	275	27						2	1			3		
Copenhagen.....	Mar. 26	455,000	130	23							3	2	1			2
Do.....	Apr. 2		144	12							3	1				1
Dresden.....	Apr. 9	550,800	160	16									3			
Dublin.....	do.....	394,525	186	31						1			1			
Do.....	Apr. 2		168	18						4						1
Dundee.....	Apr. 9	170,206	95	6							2			29		2
Do.....	Apr. 16		90	5								1		28		1
Edinburgh.....	Apr. 9	360,276	100	6								1		2		2
Frankfort-on-the-Main.....	do.....	410,000	102										1	1		
Ghent.....	do.....	165,475	68	3												
Glasgow.....	Apr. 15	872,021	312									6	6	15		2
Gothenberg.....	Apr. 9	164,000	51	11						1			2			
Hamburg.....	do.....	895,804	274	39								2	4	3		2
Hull.....	do.....	280,006	80											2		3
Karachi.....	Mar. 26	130,000	111		58			2								
Kingston.....	Apr. 9	48,504									3					
Kobe.....	Apr. 2	387,915	116								3			1		
Konigsberg.....	Apr. 9	243,200	97	16							6					
La Guaira.....	Apr. 15	10,000	23	7		1				1						
Leeds.....	Apr. 9	490,985	156	9								1	3			
Do.....	Apr. 16		126	14							1		2	1		1
Leipzig.....	Apr. 9		146	10								3	2	1		3
Libau.....	Apr. 10	90,000						1				1				
Liege.....	Apr. 2	177,055	53	5										1		
Do.....	Apr. 9		52	3							2	1				
Liverpool.....	do.....	767,606	270	23							3	3	1	18		18
Do.....	Apr. 16		299									4		12		21
London.....	Apr. 9	7,537,196	1,947								3	5	13	42		61
Lyons.....	Mar. 12	500,000	189	38									1	12		4
Do.....	Mar. 19		192	39										9		4
Do.....	Mar. 26		186	30								1	5	3		2
Do.....	Apr. 2		201	38							2		3	3		1
Magdeburg.....	do.....	278,026	70	7												1
Manaos.....	do.....	52,000	42	6		2										
Manchester.....	Apr. 9	631,533	251	25						2			3	9		12
Mexico.....	Mar. 19	500,000	387	29				2	19		1	1	2			2
Monterey.....	Apr. 17	100,000	68	2							1					1
Montreal.....	Apr. 23	530,000	172	27							2	3	1			2

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—														
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.				
Munch.....	Mar. 26	576,000	214	43														
Do.....	Apr. 2		35									1	2	1				1
Nagasaki.....	Mar. 27	176,970	36	5									1					
Nantes.....	Apr. 17	161,908	67	14								1						
Naples.....	Apr. 9	593,729	288									1	1					
Newcastle-on-Tyne.....	Do.	281,584	77	8								1	1		1			1
Nottingham.....	Apr. 2	260,000	72										1	1				
Do.....	Apr. 9		88									2						
Odessa.....	Apr. 2	520,000	208	37				6	3		4	4						1
Para.....	Apr. 9	185,000	83	8			5											
Paris.....	Do.	2,776,394	1,096	255							6	1	8	32				12
Port of Spain.....	Mar. 26	60,000	39	4														1
Prague.....	Apr. 9	233,344	95	18														1
Quebec.....	Apr. 23	85,000		1														
Rangoon.....	Mar. 19	252,155	189	9	12	2		28										
Rotterdam.....	Apr. 9	419,100	110									1						
Do.....	Apr. 16	420,171	113									1		1				
St. Petersburg.....	Apr. 2	1,678,000	936	142				9			21	18	17	77				14
Santa Cruz de Tenerife.....	Apr. 9	46,000	37	4							1	3	3					
Sheffield.....	Do.	472,000	132	8				1			1		2					3
Do.....	Apr. 16		129	3									3					7
Singapore.....	Mar. 19	270,060	188	26				1										
South Shields.....	Apr. 9	119,737	39	5									1					1
Stettin.....	Do.	239,000	80	7									1					
Stockholm.....	Apr. 2	339,582	121	12								1			7			6
Suez.....	Jan. 21	19,786	12									1						
Valencia.....	Apr. 9	240,000	134	10									1					
Venice.....	Apr. 2	183,224	71	4								2	1					
Vienna.....	Apr. 9	2,107,981	766	142							2	6	11	30				6
Vigo.....	Do.	40,000	13	4							1							
Vladivostok.....	Mar. 7	90,162	14	4								1						
Do.....	Mar. 13		7	2								1						
Winnipeg.....	Apr. 23	122,000	26	1								1						
Yarmouth.....	Do.	6,700		1									1					
Yokohama.....	Apr. 4	392,870										1		2				

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

ALGERIA—*Algiers*.—Month of March, 1910. Population, 157,000. Total number of deaths from all causes, 335, including typhus fever 12, typhoid fever 3, measles 2, tuberculosis 54.

Bôna.—Month of March, 1910. Population, 42,000. Total number of deaths from all causes, 137, including typhus fever 6, typhoid fever 2, measles 6, scarlet fever 1, diphtheria 5, tuberculosis 16.

ARGENTINA—*Buenos Aires*.—Month of January, 1910. Population, 1,246,532. Total number of deaths from all causes, 1,758, including typhoid fever 18, smallpox 73, measles 6, scarlet fever 9, diphtheria 10, tuberculosis 148.

AUSTRIA—*Brünn*.—Month of February, 1910. Population, 94,500. Total number of deaths from all causes, 210, including typhoid fever 3, diphtheria 2, tuberculosis 35.

BRAZIL—Pernambuco.—Two weeks ended February 28, 1910. Population, 210,000. Total number of deaths from all causes, 404, including typhoid fever 2, smallpox 61, measles 3, plague 1, tuberculosis 61.

Two weeks ended March 15, 1910. Total number of deaths, 364, including smallpox 45, plague 1, tuberculosis 61.

CANADA—Vancouver.—Month of March, 1910. Population, 78,900. Total number of deaths from all causes, 56, including tuberculosis (pulmonary) 6.

CUBA—Matanzas.—February 20 to April 11, 1910. Population 36,009. Total number of deaths from all causes 136, including typhoid fever 1, measles 5, diphtheria 1, tuberculosis 22.

DUTCH GULANA—Paramaribo.—Month of March, 1910. Population 36,496. Total number of deaths from all causes 110. No contagious diseases reported.

FORMOSA.—Four weeks ended March 19, 1910. Population 3,132,335. Total number of deaths from all causes not reported. Seven deaths from typhoid fever, 6 from smallpox, 2 from diphtheria, and 1 from plague reported.

FRANCE—Marseille.—Month of February, 1910. Population 517,498. Total number of deaths from all causes 920, including typhoid fever 9, measles 10, scarlet fever 1, diphtheria 7, tuberculosis 123. Month of March, 1910: Typhoid fever 14, measles 13, scarlet fever 2, diphtheria 1, tuberculosis 128.

Nantes.—Month of March, 1910. Population 122,800. Total number of deaths from all causes 264, including typhoid fever 2, tuberculosis 63.

Nice.—Month of January, 1910. Population 150,881. Total number of deaths from all causes 291, including typhoid fever 1, scarlet fever 1, diphtheria 1, tuberculosis 41.

Roubaix.—Month of February, 1910. Population 121,115. Total number of deaths from all causes 155, including tuberculosis 20. Month of March, 1910. Total number of deaths 186, including tuberculosis 41.

St. Etienne.—Two weeks ended March 31, 1910. Population 150,000. Total number of deaths from all causes 158, including typhoid fever 1, scarlet fever 1, tuberculosis 27.

GREAT BRITAIN.—Week ended April 2, 1910.

England and Wales.—The deaths registered in 76 great towns correspond to an annual rate of 14.4 of the population, which is estimated at 16,713,617.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 20.7 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded at Lisburn, viz, 4.5, and the highest at Sligo, viz, 52.8.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 18.1 per 1,000 of the population, which is estimated at 1,864,194. The total number of deaths from all causes was 656, including typhoid fever 1, measles 43, scarlet fever 4, diphtheria 2.

INDIA—Rangoon.—Month of February, 1910. Population 295,803. Total number of deaths from all causes 786, including typhoid fever 2, smallpox 99, plague 38, tuberculosis 21.

ITALY—Milan.—March 16–31, 1910. Population 900,000. Total number of deaths from all causes 95, including typhoid fever 5 measles 1, scarlet fever 1, diphtheria 2, tuberculosis 84.

MEXICO—Tampico.—Ten days ended April 20, 1910. Population 17,279. Total number of deaths from all causes 17, including tuberculosis 6.

RUSSIA—Riga.—Month of January, 1910. Population 355,000. Total number of deaths from all causes 635, including typhus fever 48, typhoid fever 5, measles 2, scarlet fever 40, diphtheria 17.

SOUTH AFRICA—Johannesburg.—Two weeks ended March 19, 1910. Population 180,687. Total number of deaths from all causes 166, including typhoid fever 8, scarlet fever 1, diphtheria 1, tuberculosis 9.

SPAIN—Almeria.—Month of February, 1910. Population 50,910. Total number of deaths from all causes 138, including typhoid fever 7, smallpox 3, measles 13, tuberculosis 13.

Cadiz.—Month of March, 1910. Population 69,382. Total number of deaths from all causes 176, including diphtheria 1, tuberculosis 22.

Madrid.—Month of March, 1910. Population 595,586. Total number of deaths from all causes 1,320, including typhus fever 31, typhoid fever 10, smallpox 6, measles 11, diphtheria 6, tuberculosis 196.

Seville.—Month of March, 1910. Population 154,315. Total number of deaths from all causes 416, including typhus fever 1, smallpox 6, diphtheria 3, tuberculosis 62.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,

United States Public Health and Marine-Hospital Service.