

# PUBLIC HEALTH REPORTS.

---

Vol. XXV.

MAY 20, 1910.

No. 20.

---

## FLEAS AS PLAGUE CARRIERS BETWEEN RATS AND GROUND SQUIRRELS.

By GEORGE W. MCCOY, Passed Assistant Surgeon, United States Public Health and Marine-Hospital Service, San Francisco, Cal.

It has been shown in a previous note<sup>a</sup> that plague may be carried from a squirrel to guinea pigs and from a squirrel to a squirrel by squirrel fleas. In the present experiments white rats, rat fleas, ground squirrels, and ground squirrel fleas were utilized.

One of the first problems that presented itself to those who were called upon to deal with the situation created by plague among ground squirrels was the question of its transmissibility from squirrels to rats, and vice versa. Fleas, having been proven by several observers to be the means whereby the infection is transmitted among rats, were naturally thought of in connection with the question at hand, and accordingly experiments were carried out to demonstrate whether squirrel fleas could carry the disease to rats and whether rat fleas could carry it to squirrels.

### FROM A SQUIRREL TO RATS.

A California ground squirrel (*Citellus beecheyi*) was inoculated cutaneously (vaccinated) with the spleen of a guinea pig dead on the fifth day after inoculation from a naturally infected ground squirrel. Three days after the inoculation 220 squirrel fleas, *Ceratophyllus acutus* Baker (the common squirrel flea of California), were placed in the cage with the squirrel which had sickened. The squirrel died on the fifth day after the inoculation, i. e., two days after the fleas were placed in the cage. Forty-five fleas were removed from the body of the dead squirrel. These were placed in a clean cage with three white rats. Two of the white rats died of acute plague on the sixth day. The other white rat was killed on the eighth day, but no lesions were found.

### FROM RAT TO SQUIRREL.

A white rat was inoculated cutaneously with the bubo of a white rat that had died of acute plague. Four days after the inoculation of the rat 107 rat fleas, *Ceratophyllus fasciatus* Bosc. (the common

---

<sup>a</sup> Public Health Reports, Vol. XXV, No. 15, p. 465, 1910.

rat flea of California) were placed in the cage with the rat. This white rat died on the fifth day, and at autopsy presented the usual lesions of acute plague. After the death of the rat 50 of the fleas were removed from the body and placed in a clean cage with a healthy ground squirrel. This squirrel died on the tenth day and at autopsy presented the usual lesions of plague.

These experiments show how readily plague might be carried from rats to squirrels and from squirrels to rats by means of fleas.

Until further experimental work has been done, it would be unwise to assume that the infection is transmitted in nature in this manner.

---

## HEALTH OF SCHOOL CHILDREN AT LEEDS, ENGLAND.

The following was received from Consul Chase through the Department of State, under date of April 30:

A medical inspection of a number of the school children of Leeds has just been made, the first under an order of the Government, and a summary of the report is published.

There are 113 elementary schools with 272 departments and 79,441 children enrolled, the entrance age being 5 years. Of this number, 16,660 (8,521 boys and 8,139 girls) have been examined by the medical authorities.

For the purpose of record the schools were divided into 5 classes which, with the number examined in each class, are as follows: Poor 4,065, ordinary 7,543, better class 2,817, suburban 1,677. The report gives 9,261 or 55.6 per cent with defective teeth or dental caries; 1,548 or 9.3 per cent as cases of subnormal nutrition; 1,570 or 10.5 per cent with enlarged tonsils or adenoids; 262 or 1.3 per cent with ear diseases; 956 or 5.7 per cent have rickets. One per cent of those examined have nervous diseases and one-tenth of 1 per cent were pronounced mentally defective, but the explanation of this low rate is that the city has 4 special schools for the education of the mentally defective children not included in the inspection. Two thousand nine hundred and twenty-three, or 17.5 per cent, are reported as "dirty or verminous," and assuming the same ratio of all enrolled, this would amount to almost 13,000 children. After notice to parents this condition was remedied in all but 44 children, who have been directed excluded, action to be taken against their parents. Girls are affected in this way in the proportion of 4 to 1 as to boys. Ringworm is given as the cause of the absence of 200 per week, and 0.5 per cent are excluded on that account. Three hundred and four cases of tuberculosis were noted, 175 in boys and 129 in girls.

Of the total number of scholars, 8,657 have been under medical treatment during the past year, and the returns of the last six months of the year show an average of 1,895 children absent daily on account of sickness.

In all, 16,305 notices were issued to parents as to various diseases in their children, and 53 per cent of those reported seem to have been treated.

The regulations provide for 4 examinations of each scholar, and a record card of each to be kept and ultimately filed in the education

office. The examinations of which records are to be kept are to be made at the ages of 5, 7, and 10 years, and upon leaving school at 14 or 16 years.

The most striking thing in the report is the showing that the weights and heights of the Leeds children are below the average for England and Wales. Boys of 12 years weigh, on an average, 70.7 pounds, and girls 72 pounds, as against the average of 76.7 pounds in boys and 76.4 pounds in girls. Children of the same age average in height, boys 54.5 inches, girls 54.6 inches as against 54.9 inches for boys and 55.6 inches for girls for the whole country.

In the report the officer says: "It is evident that medical inspection has disclosed an enormous number of defects which would otherwise have been entirely overlooked. It has been the means of giving the parents most valuable information, whether they act upon it or not. Medical inspection is as yet in its infancy, and not until every child has been examined and its medical history made known and its defects removed or ameliorated can we expect to reap the full benefit in the improvement of the coming generation."

# UNITED STATES.

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

---

---

## PLAGUE-PREVENTION WORK.

Passed Assistant Surgeon McCoy reports:

### SAN FRANCISCO, CAL.

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

Week ended April 30, 1910. Premises inspected, 1,140. Houses destroyed, 16. Nuisances abated, 57. Poisons placed, 7,520. Rats trapped, 1,984. Rats found dead, 29. Gophers trapped, 12. Rats identified, 2,013, as follows: *Mus norvegicus*, 1,592; *Mus rattus*, 69; *Mus musculus*, 302; *Mus alexandrinus*, 50. Average number of traps set daily, 7,548. Examined bacteriologically 1,723 rats and 12 gophers. No plague-infected rats 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 30, 1910. Rats trapped, 17. Rats identified, 17, all being *Mus norvegicus*. Rats examined bacteriologically, 17. No plague infection found.

### OAKLAND, CAL.

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

Week ended April 30, 1910. Rats found dead, 16. Rats trapped, 531. Rats identified, 547, as follows: *Mus norvegicus*, 492; *Mus rattus*, 1; *Mus musculus*, 54. Rats examined bacteriologically, 494. 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 30, 1910. Ranches inspected, 7. Ground squirrels shot, 39. Acres covered with poison, 75. Ground squirrels examined bacteriologically, 39. No plague-infected squirrels found.

**FRESNO COUNTY, CAL.**

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

Week ended April 30, 1910. Ranches inspected, 13. Ground squirrels shot, 403. Ground squirrels examined bacteriologically, 400. No plague-infected squirrels found.

**MONTEREY COUNTY, CAL.**

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

Week ended April 30, 1910. Ranches inspected, 35. Ground squirrels shot, 750; found dead, 1. Ground squirrels examined bacteriologically, 741. 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 30, 1910. Ranches inspected, 15. Ground squirrels shot, 217. Ground squirrels examined bacteriologically, 214. 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 30, 1910. Ranches inspected, 8. Ground squirrels shot, 196. Ground squirrels examined bacteriologically, 191. 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 30, 1910. Ranches inspected, 7. Ground squirrels shot, 183. Ground squirrels examined bacteriologically, 176. 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.

Week ended April 30, 1910. Ranches inspected, 6. Ground squirrels shot, 114. Ground squirrels examined bacteriologically, 111. No plague-infected squirrels found.

**SEATTLE, WASH.**

Assistant Surgeon Chapin reports:

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

Week ended April 30, 1910. Rats received, 830. Rats necropsied, 565. No plague-infected rats found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended May 20, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Montgomery.....	May 1-7.....	7		
California:				
Los Angeles.....	Apr. 24-30.....	4		
Connecticut:	Apr. 1-30.....	None.		
Delaware:				
Reedy Island quarantine station.....	May 3-11.....	1	1	From s. s. Main from Bremen.
Florida:				
Escambia County.....	May 1-7.....	17		
Duval County.....	May 1-7.....	5		
Santa Rosa County.....	May 1-7.....	9		
Washington County.....	May 1-7.....	7		
Iowa:				
Audubon County.....	Apr. 1-30.....	1		
Benton County.....	Apr. 1-30.....	1		
Cass County.....	Apr. 1-30.....	2		
Cherokee County.....	Apr. 1-30.....	1		
Clinton County.....	Apr. 1-30.....	2		
Dallas County.....	Apr. 1-30.....	2		
Dickinson County.....	Apr. 1-30.....	3		
Floyd County.....	Apr. 1-30.....	1		
Guthrie County.....	Apr. 1-30.....	3		
Jasper County.....	Apr. 1-30.....	1		
Keokuk County.....	Apr. 1-30.....	1		
Kossuth County.....	Apr. 1-30.....	2		
Linn County.....	Apr. 1-30.....	1		
Madison County.....	Apr. 1-30.....	1		
Mahaska County.....	Apr. 1-30.....	7		
Mitchell County.....	Apr. 1-30.....	1		
Pocahontas County.....	Apr. 1-30.....	1		
Polk County.....	Apr. 1-30.....	101		
Sac County.....	Apr. 1-30.....	4		
Scott County.....	Apr. 1-30.....	2		
Winneshiek County.....	Apr. 1-30.....	2		
Woodbury County.....	Apr. 1-30.....	1		
Louisiana:				
New Orleans.....	May 1-7.....	14		
Massachusetts:				
Essex County.....	Apr. 1-30.....	4		
Minnesota:				
Blue Earth County.....	Apr. 11-17.....	1		
Carlton County.....	Apr. 11-May 2.....	3		
Chisago County.....	Apr. 4-24.....	2		
Cottonwood County.....	Apr. 24-30.....	1		
Faribault County.....	Apr. 11-24.....	7		
Fillmore County.....	Apr. 18-30.....	12		
Goodhue County.....	Apr. 11-17.....	1		
Hennepin County.....	Apr. 4-30.....	44		
Isantl County.....	Apr. 11-17.....	1		
Kitson County.....	Apr. 4-17.....	5		
Koochiching County.....	Apr. 4-24.....	5		
Lac qui Parle County.....	Apr. 24-30.....	1		
Lake County.....	Apr. 4-17.....	4		
Pipestone County.....	Apr. 18-24.....	2		
Ramsey County.....	Apr. 4-30.....	15		
Rice County.....	Apr. 24-30.....	1		
Roseau County.....	Apr. 4-10.....	7		
St. Louis County.....	Apr. 4-17.....	1		
Swift County.....	Apr. 18-24.....	2		
Wadena County.....	Apr. 4-24.....	2		
Washington County.....	Apr. 18-24.....	2		
Winona County.....	Apr. 18-24.....	3		
Missouri:				
Kansas City.....	Apr. 10-30.....	30	1	
St. Louis.....	May 1-7.....	2		
New Jersey.....	Apr. 1-30.....	None.		
North Dakota:				
Bottineau County.....	Apr. 1-30.....	2		
Grand Forks County.....	Apr. 1-30.....	2		
Griggs County.....	Apr. 1-30.....	4		
Steele County.....	Apr. 1-30.....	1		
Stutsman County.....	Apr. 1-30.....	1		
Ward County.....	Apr. 1-30.....	4		
Ohio:				
Allen County.....	Apr. 1-30.....	10		
Auglaize County.....	Apr. 1-30.....	5		
Clinton County.....	Apr. 1-30.....	13		
Franklin County.....	Apr. 1-30.....	2		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended May 20, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Ohio—Continued.</b>				
Greene County.....	Apr. 1-30.....	9		
Hamilton County.....	Apr. 1-30.....	3		
Lucas County.....	Apr. 1-30.....	4		
Marion County.....	Apr. 1-30.....	1		
Miami County.....	Apr. 1-30.....	1		
Pickaway County.....	Apr. 1-30.....	3		
Van Wert County.....	Apr. 1-30.....	26		
<b>Oklahoma:</b>				
Atoka County.....	Mar. 1-31.....	5	1	
Beckham County.....	Mar. 1-31.....	16		
Blaine County.....	Mar. 1-31.....	2		
Bryan County.....	Mar. 1-31.....	6		
Caddo County.....	Mar. 1-31.....	7		
Choctaw County.....	Mar. 1-31.....	8		
Cleveland County.....	Mar. 1-31.....	1		
Comanche County.....	Mar. 1-31.....	29	2	
Custer County.....	Mar. 1-31.....	3		
Grady County.....	Mar. 1-31.....	5		
Grant County.....	Mar. 1-31.....	1		
Greer County.....	Mar. 1-31.....	1		
Harmon County.....	Mar. 1-31.....	2		
Hughes County.....	Mar. 1-31.....	23		
Johnston County.....	Mar. 1-31.....	4		
Kay County.....	Mar. 1-31.....	11	1	
Kingfisher County.....	Mar. 1-31.....	30		
Kiowa County.....	Mar. 1-31.....	2		
Le Flore County.....	Mar. 1-31.....	1		
Lincoln County.....	Mar. 1-31.....	1		
McLain County.....	Mar. 1-31.....	7		
McIntosh County.....	Mar. 1-31.....	12		
Marshall County.....	Mar. 1-31.....	3		
Muscogee County.....	Mar. 1-31.....	1		
Oklahoma County.....	Mar. 1-31.....	17	14	
Ocmulgee County.....	Mar. 1-31.....	1		
Payne County.....	Mar. 1-31.....	10		
Pittsburg County.....	Mar. 1-31.....	10		
Pontotoc County.....	Mar. 1-31.....	12		
Pottawatomie County.....	Mar. 1-31.....	42	2	
Pushmataha County.....	Mar. 1-31.....	6		
Roger Mills County.....	Mar. 1-31.....	3		
Rogers County.....	Mar. 1-31.....	2		
Seminole County.....	Mar. 1-31.....	8		
Sequoyah County.....	Mar. 1-31.....	5	1	
Stephens County.....	Mar. 1-31.....	50		
Texas County.....	Mar. 1-31.....	28		
Tillman County.....	Mar. 1-31.....	5		
Tulsa County.....	Mar. 1-31.....	7	2	
Wagoner County.....	Mar. 1-31.....	3	1	
<b>Tennessee:</b>				
Chattanooga.....	May 1-7.....	2		
Knoxville.....	May 1-7.....	12		
Texas, general.....	Mar. 1-31.....	581	11	Including cases and deaths previously reported.
Waco.....	Apr. 1-30.....	1		
<b>Virginia:</b>				
Lynchburg.....	May 1-7.....	1		
<b>Wisconsin:</b>				
Ashland County.....	Apr. 1-30.....	6		
Barron County.....	Apr. 1-30.....	1		
Douglas County.....	Apr. 1-30.....	8		
Fond du Lac County.....	Apr. 1-30.....	1		
La Crosse County.....	Apr. 1-30.....	1		
Manitowoc County.....	Apr. 1-30.....	7		
Marathon County.....	Apr. 1-30.....	3		
Milwaukee County.....	Apr. 1-30.....	2		
Monroe County.....	Apr. 1-30.....	3		
Polk County.....	Apr. 1-30.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 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.
<b>Alabama:</b>				
Birmingham.....	Jan. 9-Apr. 23.....	57		
Mobile.....	Jan. 16-Apr. 30.....	27		
Montgomery.....	Dec. 19-Apr. 30.....	458	1	
Total for State.....		542	1	
<b>Arkansas:</b>				
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		
<b>California:</b>				
Berkeley.....	Dec. 26-Jan. 1.....	1		
Los Angeles.....	Jan. 12-Apr. 16.....	8		
Oakland.....	Dec. 26-Jan. 1.....	1		
Sacramento County.....	Jan. 1-31.....		1	
Sacramento.....	Dec. 12-Mar. 31.....	56		
San Francisco.....	Dec. 19-Apr. 23.....	27		
Total for State.....		93	1	
<b>Colorado, general.....</b>				
Adams County.....	Mar. 1-Apr. 30.....		3	
Archuleta County.....	Mar. 1-Apr. 30.....	3		
Bent County.....	Apr. 1-30.....	1		
Boulder County.....	Feb. 1-28.....	10		
Boulder.....	Apr. 1-30.....	1		
Chaffee County.....	Dec. 19-25.....	1		
Clear Creek County.....	Jan. 1-31.....	6		
Conejos County.....	Mar. 1-31.....	1		
Delta County.....	Jan. 1-Apr. 30.....	68		
Denver County.....	Mar. 1-Apr. 30.....	2		
Fremont County.....	Jan. 1-Apr. 30.....	64		
Garfield County.....	Feb. 1-28.....	14		
Gunnison County.....	Jan. 1-31.....	1		
Huerfano County.....	Apr. 1-30.....	8		
Jefferson County.....	Jan. 1-Apr. 30.....	28		
La Plata County.....	Feb. 1-Apr. 30.....	5		
Larimer County.....	Feb. 1-28.....	4		
Las Animas County.....	Jan. 1-31.....	4		
Logan County.....	Jan. 1-Apr. 30.....	28		
Mesa County.....	Jan. 1-Feb. 28.....	17		
Fruits district.....	Jan. 1-Apr. 30.....	6		
Mineral County.....	Dec. 26-Jan. 1.....	3		
Montrose County.....	Apr. 1-30.....	1		
Morgan County.....	Jan. 1-Apr. 30.....	87		
Otero County.....	Jan. 1-Apr. 30.....	29		
Ouray County.....	Jan. 1-Apr. 30.....	2		
Pitkin County.....	Jan. 1-Feb. 28.....	13		
Prowers County.....	Feb. 1-Mar. 31.....	9		
Pueblo County.....	Mar. 1-31.....	9		
Rio Grande County.....	Feb. 1-Apr. 30.....	5		
Saguache County.....	Feb. 1-Apr. 30.....	4		
San Miguel County.....	Apr. 1-30.....	23		
Summit County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-Apr. 30.....	52		
Total for State.....		511	3	
District of Columbia.....	Dec. 19-Apr. 30.....	57		
Total for District.....		57		
<b>Florida:</b>				
Alachua County.....	Jan. 1-Apr. 23.....	4		
Citrus County.....	Mar. 27-Apr. 2.....	2		
Columbia County.....	Feb. 13-19.....	2		
Duval County.....	Jan. 1-Apr. 30.....	23		
Jacksonville.....	Jan. 30-Mar. 12.....	4		
Escambia County.....	Feb. 6-Apr. 9.....	60		
Pensacola.....	Feb. 20-26.....	1		
Franklin County.....	Apr. 24-30.....	2		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Florida—Continued.</b>				
Gadsden County.....	Jan. 1-Apr. 30.....	6		
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. 23.....	11		
Volusia County.....	Mar. 6-Apr. 30.....	4		
Walton County.....	Jan. 1-Apr. 30.....	5		
Total for State.....		184		
<b>Georgia:</b>				
Columbus.....	Apr. 17-23.....	1	1	
Macon.....	Jan. 1-31.....	51		
Total for State.....		52	1	
<b>Illinois:</b>				
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.....	1		Present.
Edwards County.....	Jan. 1-Mar. 31.....	32		
Efingham 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.....	1		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		
Fulaski 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.....	1		Do.
Wayne County.....	Jan. 1-31.....	5		
Williamson County.....	Jan. 1-Mar. 31.....	76		
Total for State.....		292		
<b>Indiana:</b>				
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		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Indiana—Continued.</b>				
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	
<b>Iowa, general.....</b>				
Audubon County.....	Jan. 1-31.....	19		
Benton County.....	Mar. 1-31.....	1		
Buchanan County.....	Mar. 1-31.....	1		
Buena Vista County.....	Feb. 1-Mar. 31.....	9		
Calhoun County.....	Jan. 1-31.....	1		
Carroll County.....	Jan. 1-31.....	10		
Cass County.....	Mar. 1-31.....	1		
Cedar 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		
<b>Kansas:</b>				
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.....	39		
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		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
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		
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		
Osage 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		
Sedgwick 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	
<b>Kentucky:</b>				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 29.....	4		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		7		
<b>Louisiana:</b>				
<b>Caddo Parish—</b>				
Shreveport.....	Jan. 23-Feb. 28.....	5	2	
<b>Iberia Parish.....</b>				
.....	Feb. 1-Mar. 31.....	9		
<b>Natchitoches Parish.....</b>				
.....	Feb. 1-28.....	6		
<b>Orleans Parish—</b>				
New Orleans.....	Dec. 26-Apr. 30.....	178	1	
<b>Morehouse Parish.....</b>				
.....	Feb. 1-28.....	2		
<b>St. John the Baptist Parish.....</b>				
.....	Feb. 1-Mar. 31.....	44		
<b>St. Tammany Parish.....</b>				
.....	Mar. 1-31.....	6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Louisiana—Continued.</b>				
Tensas Parish.....	Feb. 1—Mar. 31.....	17		
West Feliciana Parish.....	Mar. 1—31.....	2		
<b>Total for State.....</b>		<b>269</b>	<b>3</b>	
<b>Maine:</b>				
Aroostook County— Caribou.....	Feb. 1—23.....	6		
<b>Total for State.....</b>		<b>6</b>		
<b>Maryland:</b>				
Baltimore.....	Dec. 26—Jan. 1.....	1		
Dorchester County.....	Dec. 3—31.....	4		
Garrett County.....	Jan. 8—31.....	1		
Prince George County— Fort Washington.....	Apr. 1—30.....	1		
<b>Total for State.....</b>		<b>7</b>		
<b>Massachusetts:</b>				
Bristol County.....	Feb. 1—23.....	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—23.....	4		
Suffolk County.....	Jan. 1—Mar. 31.....	4		
Worcester County.....	Jan. 1—Mar. 31.....	23		
<b>Total for State.....</b>		<b>121</b>		
<b>Michigan:</b>				
Alcona County.....	Nov. 1—Mar. 31.....	31		
Alpena County.....	Mar. 1—31.....	1		
Antrim County.....	Nov. 1—Apr. 30.....	40		
Arenac County.....	Nov. 1—Apr. 30.....	146		
Barry County.....	Apr. 1—30.....	2		
Bay County.....	Nov. 1—Apr. 30.....	182		
Benzie County.....	Mar. 1—31.....	1		
Berrien County.....	Jan. 1—Apr. 30.....	32		
Calhoun County.....	Feb. 1—Apr. 30.....	11		
Cass County.....	Feb. 1—Apr. 30.....	5		
Cheboygan County.....	Mar. 1—31.....	7		
Clare County.....	Feb. 1—Apr. 30.....	12		
Delta County.....	Dec. 1—Mar. 31.....	2		
Eaton County.....	Feb. 1—Apr. 30.....	13		
Emmet County.....	Nov. 1—Feb. 28.....	4		
Genesee County.....	Nov. 1—Apr. 30.....	290		
Gladwin County.....	Nov. 1—Apr. 30.....	17		
Gratiot County.....	Nov. 1—Apr. 30.....	4		
Hillsdale County.....	Mar. 1—31.....	1		
Houghton County.....	Nov. 1—Apr. 30.....	61		
Huron County.....	Feb. 1—Apr. 30.....	44		
Ingham County.....	Dec. 1—Apr. 30.....	18		
Ionia County.....	Nov. 1—Apr. 30.....	43		
Iosco County.....	Dec. 1—Apr. 30.....	9	1	
Kant County.....	Dec. 1—Apr. 30.....	14		
Kaweenaw County.....	Jan. 1—Mar. 31.....	4		
Lapeer County.....	Nov. 1—Apr. 30.....	36		
Livingston County.....	Nov. 1—Mar. 31.....	32		
Manistee County.....	Feb. 1—Apr. 30.....	11		
Marquette County.....	Nov. 1—30.....	1		
Mason County.....	Nov. 1—30.....	1		
Mecosta County.....	Jan. 1—Apr. 30.....	31		
Midland County.....	Dec. 1—Feb. 28.....	11		
Missaukee County.....	Jan. 1—Apr. 30.....	35		
Montcalm County.....	Nov. 1—Mar. 31.....	14		
Montmorency County.....	Dec. 1—Mar. 31.....	38		
Oakland County.....	Jan. 1—Apr. 30.....	4		
Oceana County.....	Jan. 1—31.....	1		
Ogemaw County.....	Jan. 1—Apr. 30.....	58		
Ontonagon County.....	Nov. 1—Apr. 30.....	21		
Oscoda County.....	Dec. 1—Apr. 30.....	27		
Oscoda County.....	Jan. 1—Feb. 28.....	7		
Otsego County.....	Dec. 1—31.....	1		
Ottawa County.....	Apr. 1—30.....	5		
Presque Isle County.....	Dec. 1—Apr. 30.....	10		
Roscommon County.....	Jan. 1—31.....	6		
Saginaw County.....	Dec. 1—Apr. 30.....	146		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan—Continued.</b>				
St. Clair County.....	Jan. 1-Apr. 30.....	32	.....	
Sanilac County.....	Nov. 1-Apr. 30.....	13	.....	
Shiawassee County.....	Dec. 1-Apr. 30.....	11	.....	
Tuscola County.....	Feb. 1-Apr. 30.....	29	.....	
Wayne County.....	Dec. 1-Apr. 30.....	9	.....	
Total for State.....		1,584	1	
<b>Minnesota, general.</b>				
Anoka County.....	Jan. 1-31.....	.....	1	
Becker County.....	Feb. 1-28.....	5	.....	
Beltrami County.....	Jan. 4-10.....	3	.....	
Benton County.....	Dec. 21-Mar. 20.....	4	.....	
Blue Earth County.....	Dec. 14-20.....	7	.....	
Carver County.....	Dec. 21-27.....	1	.....	
Chippewa County.....	Dec. 7-Jan. 3.....	4	.....	
Chisago County.....	Jan. 11-17.....	1	.....	
Cook County.....	Feb. 15-Apr. 3.....	8	.....	
Crow Wing County.....	Jan. 25-31.....	2	.....	
Dakota County.....	Mar. 1-20.....	5	.....	
Dodge County.....	Feb. 1-Mar. 20.....	9	.....	
Faribault County.....	Jan. 25-31.....	1	.....	
Freeborn County.....	Feb. 8-Mar. 13.....	2	.....	
Goodhue County.....	Jan. 18-Mar. 6.....	20	.....	
Hennepin County.....	Dec. 28-Jan. 31.....	1	.....	
Houston County.....	Dec. 28-Apr. 3.....	80	.....	
Hubbard County.....	Feb. 8-14.....	4	.....	
Isanti County.....	Mar. 1-6.....	1	.....	
Itasca County.....	Feb. 21-28.....	1	.....	
Kandiyohi County.....	Dec. 14-Feb. 28.....	2	.....	
Koochiching County.....	Dec. 7-Apr. 3.....	3	.....	
Lake County.....	Feb. 1-Mar. 6.....	2	.....	
Lesueur County.....	Jan. 18-Mar. 13.....	9	.....	
McLeod County.....	Jan. 1-31.....	.....	1	
Martin County.....	Mar. 7-13.....	1	.....	
Mower County.....	Mar. 7-20.....	2	.....	
Nicollet County.....	Dec. 28-Apr. 3.....	31	.....	
Nobles County.....	Feb. 15-Mar. 13.....	3	.....	
Norman County.....	Jan. 18-25.....	1	.....	
Olmsted County.....	Jan. 18-Mar. 13.....	3	.....	
Ottertall County.....	Feb. 8-Apr. 3.....	2	.....	
Pine County.....	Dec. 21-Mar. 6.....	28	.....	
Polk County.....	Feb. 22-28.....	1	.....	
Ramsey County.....	Dec. 7-Mar. 6.....	2	.....	
Red Lake County.....	Jan. 11-Mar. 20.....	15	.....	
Renville County.....	Dec. 7-Mar. 20.....	6	.....	
Rice County.....	Dec. 7-13.....	1	.....	
Rock County.....	Jan. 11-17.....	1	.....	
Roseau County.....	Dec. 7-Feb. 21.....	22	.....	
St. Louis County.....	Dec. 7-Apr. 3.....	40	.....	
Scott County.....	Dec. 7-Mar. 27.....	44	.....	
Sherburne County.....	Mar. 21-27.....	1	.....	
Sibley County.....	Jan. 11-Mar. 27.....	2	.....	
Stearns County.....	Dec. 28-Feb. 28.....	9	.....	
Swift County.....	Feb. 1-21.....	4	.....	
Todd County.....	Feb. 8-Mar. 20.....	5	.....	
Wabasha County.....	Dec. 28-Mar. 20.....	4	.....	
Wadena County.....	Dec. 13-Feb. 21.....	29	.....	
Wilkin County.....	Feb. 1-21.....	15	.....	
Wright County.....	Feb. 15-21.....	1	.....	
Yellow Medicine County.....	Dec. 28-Jan. 31.....	1	.....	
	Dec. 7-Mar. 20.....	46	.....	
	Feb. 22-28.....	9	.....	
Total for State.....		504	2	
<b>Mississippi:</b>				
Adams County—				
Natchez.....	Dec. 26-Feb. 26.....	90	2	
Claiborne 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-Apr. 30.....	6	1	
Holly Springs.....	Jan. 2-29.....	6	.....	
Wilkinson County—				
Woodville.....	Feb. 27-Mar. 19.....	27	1	
Total for State.....		224	4	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Missouri:</b>				
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. 30....	40		
Springfield.....	Jan. 1-Mar. 31.....	6		
Total for State.....		90	1	
<b>Montana:</b>				
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		
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		
<b>Nebraska:</b>				
Lincoln.....	Jan. 1-Feb. 28....	5		
South Omaha.....	Dec. 5-11.....	3		
Total for State.....		8		
<b>New Hampshire (entire State).</b>				
	Jan. 1-Feb. 28....	7		
<b>New Jersey:</b>				
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		
<b>New York, general.</b>				
	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	
<b>North Carolina:</b>				
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		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>North Carolina—Continued.</b>				
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	.....	
Currutuck 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	.....	
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	.....	
Pamlico 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	
<b>North Dakota:</b>				
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	
<b>Ohio:</b>				
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	.....	

**SMALLPOX IN THE UNITED STATES—Continued.**  
**Reports Received from January 1 to May 13, 1910.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Ohio—Continued.</b>				
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. 23.....	7		
Hamilton County.....	Jan. 1-Mar. 31.....	3		
Jackson County.....	Jan. 1-Feb. 23.....	36		
Knox County.....	Feb. 1-28.....	1		
Miami County.....	Jan. 1-Feb. 23.....	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. 23.....	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		
<b>Total for State.....</b>		<b>249</b>		
<b>Oklahoma, general.</b>				
Beckham County.....	Jan. 1-Feb. 23.....	626	30	
Blaine County.....	Nov. 1-30.....	1		
Coal County.....	Dec. 1-31.....	7		
Comanche County.....	Aug. 1-Sept. 30.....	10		
Creek County.....	Nov. 1-30.....	1		
Garfield County.....	Oct. 1-Nov. 30.....	3		
Grant County.....	Nov. 1-30.....	1		
Harmon County.....	Aug. 1-31.....	1		
Hughes County.....	Aug. 1-31.....	2		
Jackson County.....	Aug. 1-31.....	3		
Kingfisher County.....	Aug. 1-Nov. 30.....	19		
La Flore County.....	Oct. 1-31.....	2		
Lincoln County.....	Oct. 1-31.....	1		
McIntosh County.....	Aug. 1-31.....	3		
Marshall County.....	Sept. 1-30.....	2		
Muskogee County.....	Oct. 1-31.....	1		
Oklfuskee County.....	Oct. 1-31.....	1		
Oklahoma County.....	Oct. 1-31.....	1		
	Aug., Sept., and	14	1	
	Nov.....			
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		
<b>Total for State.....</b>		<b>765</b>	<b>31</b>	
<b>Oregon (entire State).</b>				
Portland.....	Sept. 1-Feb. 23.....	118		
	Nov. 1-30.....	2		
<b>Total for State.....</b>		<b>120</b>		
<b>Pennsylvania (entire State).....</b>				
	Dec. 1-Mar. 31.....	97		
<b>South Carolina:</b>				
Charleston.....	Apr. 1-30.....	3		
Clover.....	Jan. 23-29.....	3		
<b>Total for State.....</b>		<b>6</b>		
<b>Tennessee:</b>				
Davidson County—				
Nashville.....	Feb. 20-Apr. 23.....	7		
DeKalb County.....	Dec. 12-Jan. 26.....	10		
Hamilton County—				
Chattanooga.....	Dec. 26-Apr. 30.....	80		
Knox County—				
Knoxville.....	Jan. 2-Apr. 30.....	64		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to May 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Tennessee—Continued.</b>				
Shelby County.....	Nov. 1-Jan. 31.....	28		
Memphis.....	Nov. 1-Apr. 30.....	225		
Washington County.....	Dec. 26-Feb. 5.....	11		
Total for State.....		425		
<b>Texas, general.</b>				
Amarillo.....	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.....	16	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		
Meridian.....	Apr. 24-30.....	1	5	
Normanna.....	Jan. 1-31.....	12	1	
Rockdale.....	Feb. 13-19.....	3		
San Antonio.....	Dec. 5-Apr. 23.....	39	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.....		1,622	32	
<b>Utah:</b>				
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	
Weber County.....	Dec. 1-Feb. 28.....	36		
Total for State.....		428	1	
<b>Virginia:</b>				
Brookneal.....	Apr. 10-16.....	1		
Lynchburg.....	Jan. 30-Apr. 30.....	55	1	
Norfolk.....	Apr. 19-May 3.....	6		Apr. 19-May 3, 2 cases at Craney Island quarantine station from the s. s. Pocahontas.
Petersburg.....	Dec. 26-Jan. 26.....	2		
Portsmouth.....	Jan. 16-29.....	2		
Richmond.....	Dec. 1-Feb. 28.....	7		
Total for State.....		73	1	
<b>Washington:</b>				
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		

SMALLPOX IN THE UNITED STATES—Continued.  
 Reports Received from January 1 to May 13, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Washington—Continued.</b>				
Whitcom 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		
<b>Total for State.....</b>		<b>212</b>	<b>2</b>	
<b>West Virginia:</b>				
Berkeley Springs.....	Dec. 27-Feb. 17.....	6		
Wheeling.....	Jan. 30-Feb. 5.....	1		
<b>Total for State.....</b>		<b>7</b>		
<b>Wisconsin:</b>				
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		
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		
<b>Total for State.....</b>		<b>178</b>		
<b>Grand total for the United States.....</b>		<b>14,345</b>	<b>92</b>	

MORBIDITY AND MORTALITY.

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

[For smallpox see special tables.]

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.
Ann Arbor, Mich.....	Apr. 30	14,711	9					1		1				1	
Altoona, Pa.....	May 7	50,814	2							3					
Ashtabula, Ohio.....	do.	16,648	11					4							
Auburn, N. Y.....	do.	34,272	8	2											
Do.....	Mar. 19		8			1		5	1					1	
Do.....	Mar. 26		9					4				1		1	
Do.....	Apr. 2		8		1			2						2	
Do.....	Apr. 9		13		2	1		7						1	
Do.....	Apr. 16		12		2	1		7		1		1			
Do.....	Apr. 23		13		3			7							
Do.....	Apr. 30		8		2			5		1	1	2		10	
Baltimore, Md.....	May 7	576,023	187	49	41	6		36	2	12	1	36		3	4
Beth, Me.....	do	12,055								2					
Bayonne, N. J.....	do	49,894		1				2	1	3		8		2	1

## MORBIDITY AND MORTALITY—Continued.

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

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Biddeford, Me.	May 7	17,676	13		1										1
Binghamton, N. Y.	do.	45,855	15	1	1			1				8			
Boston, Mass.	do.	622,970	235	75	28	2	1	181	5	6	165	4	4		
Bridgeport, Conn.	do.	90,913	34	1	5			11		2	1	1	2		
Brockton, Mass.	do.	53,978	15	7		1		1							
Boulder, Colo.	do.		2		1					1		1			
Butler, Pa.	do.	12,760	6	2	1					1		82			
Cambridge, Mass.	do.	101,872	21	6	4	2	2	32		8		18	1		
Cambridge, Ohio.	do.		2									12			
Camden, N. J.	do.	89,305	24	3	3			4		8	3	4		4	
Carbondale, Pa.	do.	15,698	10									2		2	
Charlotte, N. C.	do.	35,101	12									3		1	
Chattanooga, Tenn.	do.	34,654	0												
Chelsea, Mass.	do.	39,862	10	4				17	1			2			
Chicago, Ill.	do.	2,224,491	658	101	108	10	1	149	11	102	19	543	4	52	10
Chicopee, Mass.	do.	20,010	8		3			3	1	1		8			
Cincinnati, Ohio.	do.	351,212	120	35	20	3	1	2		10	1	187	4	7	
Clinton, Mass.	do.	12,656	3	1	1			2							
Coffeyville, Kans.	do.		3	2								2			
Columbus, Ga.	do.	17,893	9		1										
Columbus, Ohio.	do.	155,340	71	7	12	1		1		3	1	130	1		
Concord, N. H.	do.	21,997	5		1			2		4		8			
Covington, Ky.	do.	51,715	13	1	5			4		1		45			
Danville, Ill.	do.	27,387	11		2			2				15			
Dayton, Ohio.	do.	106,688	40	5	5			4		1		20			
Duluth, Minn.	do.	74,520	26	2	2			14	3	1		20			
Dunkirk, N. Y.	do.	18,061	7		1							10			
Elizabeth, N. J.	do.	67,470	9		1			12		2		12			
Elmira, N. Y.	do.	35,765	7	15				2		1		1			
El Paso, Tex.	do.	22,911	36	1								11		6	
Elyria, Ohio.	Apr. 23	11,653	4									12		1	
Do.	Apr. 30	11,653	3	1								7			
Evansville, Ind.	May 7	66,948	11	3	1	1		1		2		28			
Everett, Mass.	do.	32,931	13	6	1	1		3	1	2		16			
Fall River, Mass.	do.	106,481	45	8	5	1	1	3		1		2			
Freeport, Ill.	do.	19,200	5							1					
Galesburg, Ill.	do.	21,615	9					2							
Gloucester, Mass.	do.	25,923	4												
Grand Rapids, Mich.	do.	105,909	31	2	1	2		32		2		12		3	
Greensboro, N. C.	do.	16,081	5		1							4			
Harrison, N. J.	do.	14,604	4					2							
Hartford, Conn.	Apr. 30	103,808	30	4	5	1	1	6		2	1	7			
Haverhill, Mass.	May 7	38,354	9	5	1			3		2		14		6	
Homestead, Pa.	Apr. 28	17,145	8		1			3				1			
Do.	May 7		5		1			2						1	
Houston, Tex.	do.	63,625								1					
Hyde Park, Mass.	do.	15,522	4		1					1					
Indianapolis, Ind.	Apr. 30	241,826	97	5	16	2		5		5		163	1	44	1
Do.	May 7		65	8	6	3		10	1	2		91	2	46	
Jacksonville, Fla.	do.	40,798	25	2	2	5									
Jersey City, N. J.	do.	253,711	59		4	1		29		17	2	18			
Do.	Apr. 16		88					42		14	1	17			
Johnstown, Pa.	May 7	46,520	17	7				3		1		21		3	
Kalamazoo, Mich.	do.	36,504	17	1	2			1				15		1	
Kansas City, Kans.	do.	85,742	21	1	3	4	1	5		26		2			
Kansas City, Mo.	Apr. 16	191,685	84		22	4	1	20	3	10		107	3		
Do.	Apr. 23		72	3	7	2	1	16	1	6	1	101	1	2	
Do.	Apr. 30		61		3	6	1	21	2	5	1	53	1		
Kearny, N. J.	May 7	15,765	8									2			
Kingston, N. Y.	do.	26,110	6		1										
Knoxville, Tenn.	do.	37,758	10		1							3			
La Crosse, Wis.	do.	29,224	8					3		1	1				
La Fayette, Ind.	do.	19,801	9												
Lancaster, Pa.	do.	49,962	13	4				1		2	1	25			
Lawrence, Mass.	do.	76,042	24	3				2		4	1	8			1
Lebanon, Pa.	do.	20,295	8												
Lexington, Ky.	do.	30,690	15							2		54			
Los Angeles, Cal.	Apr. 30	103,000	75	7	16	3		16	1	5	1	46		3	
Lowell, Mass.	May 7	95,125	42	3	2	4		12	1	1	1	32			
Lynchburg, Va.	do.	29,457										3			

\* Population 1900.

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.
Lynn, Mass.	May 7	83,865	22	4	3	1	1	8	3	3	23	5	2		
Malden, Mass.	Apr. 30	41,535	8				56	1	1	1	3				
Do.	May 7		16		1		15	1	1	1	5				
Manchester, N. H.	do.	68,561	21	2	2						3				
Manistee, Mich.	do.	10,788	1	1	1						5		2		
Manitowoc, Wis.	do.	13,490													
Mansfield, Ohio.	do.	21,390									16				
Marinette, Wis.	do.	14,682	3	1	1		1								
Marlboro, Mass.	Apr. 30	14,444	3								14				
Do.	May 7		3		1		1				5	1			
Medford, Mass.	do.	20,838	5				5		1		11				
Melrose, Mass.	Apr. 30	15,361	2	4	2		2				1				
Do.	May 7		2				3				1				
Milwaukee, Wis.	do.	332,495	90	18	12	33	34	2	15	7	104		11		
Mobile, Ala.	Apr. 30	15,122	28		5	3	2								
Moline, Ill.	May 7	23,081	7				5		4		2				
Montgomery, Ala.	do.	43,927	17	5	1				1	1					
Monticello, Ind.	do.		3						1	1	4				
Mount Vernon, N. Y.	do.	27,891	7	1				4	3	3	4				
Muncie, Ind.	do.	30,266	5		1			3	1	1	30		1		
Muskegon, Mich.	do.	20,995		1							1				
Nanticoke, Pa.	May 8		6					1		1					
Nashville, Tenn.	May 7	106,476	28	4	3	1	4				4				
Nebraska City, Nebr.	do.		2		1						3		15		
Newark, N. J.	do.	308,669	102	18	16	4	40	1	37						
New Bedford, Mass.	do.	83,898	34	7	2	1	8	1	7		12				
Newburyport, Mass.	do.	14,832	8		1	1					17				
New Orleans, La.	do.	327,662	175	35	17	7	21	1	7		114	5			
Newport, Ky.	do.	31,345	19		4										
New York, N. Y.	do.	4,450,963	1,425	662	166	27	8	571	29	398	40	1,298	24	39	10
Niagara Falls, N. Y.	do.	32,012	13			9	2		1		29		1		
Norristown, Pa.	do.	24,491	8	4							4		5		
North Adams, Mass.	do.	20,510	5		1			2		1					
Northampton, Mass.	do.	21,008	10	3					4	4	20		1		
Oakland, Cal.	Apr. 30	273,812	35		2			5	1	1	7				2
Orange, N. J.	May 7	27,669	12	3	1			3			4				1
Palmer, Mass.	do.		1												
Philadelphia, Pa.	do.	1,491,082	152	50	22		41		78	10	270	1	64	9	
Peekskill, N. Y.	do.	15,473	7												
Pittsburg, Pa.	do.	558,123	24	7	16	3	33	9	16	4	236	12	9		
Pittsfield, Mass.	Apr. 30	27,589	4				1				1				
Do.	May 7		8				3		1		1				
Plainfield, N. J.	do.	20,947	8	1	1		1				2				
Portsmouth, N. H.	do.	11,336			1					4					
Portsmouth, Va.	do.	19,225	7						1	1	5				
Pottstown, Pa.	do.	14,065	7		1		9				13	1			
Providence, R. I.	do.	207,065	79	26	10		9	1	9		18	4			2
Racine, Wis.	do.	34,840	12		1		1								
Reading, Pa.	May 9	97,231	37		2	1	9	2	1	2	60				
Rock Island, Ill.	May 7	24,766	13		2	1	1								
Saginaw, Mich.	do.	51,941	13	1	1		1								
San Antonio, Tex.	Apr. 23	67,404	13	13	1							3			
Do.	Apr. 30		9		9					5	3				
Do.	May 7	67,404	4		4	3					8				
St. Louis, Mo.	do.	686,369	206	39	23	4	1	76	5	22	1	66	1	38	2
San Francisco, Cal.	Apr. 30	342,782	131	36	16	6	1	10		16	2	45	12	1	
Sandusky, Ohio.	do.	20,737	6												
Do.	May 7		4		2										
Schenectady, N. Y.	do.	73,036	15	9	2		6		1		6				
Seattle, Wash.	Apr. 16	104,169	35	3	2	5		5	5		35		15		
Do.	Apr. 30		46	5	5	4		9	9		34		5	1	
Somerville, Mass.	May 7	75,375	20		2	1	34		6	1	14				
South Bend, Ind.	Apr. 30	49,321	78	3	9	16	1	36		6	2		10		
Do.	May 7		11		2	2		2			1				
Spokane, Wash.	Apr. 30	47,724	18		2		9		4		15				
Springfield, Mass.	May 7	82,724	33	1	1		1	6		7	3	15			
Springfield, Ohio.	do.	43,975	14	4			2		3		17				
Steelton, Pa.	do.	14,769	3	2			5	1	5		2				
Superior, Wis.	do.	40,919					9								
Taunton, Mass.	do.	30,926	17		1	1					8	1			

α Estimated population, 1906.

## 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.
Terre Haute, Ind.	Apr. 30	55,509	24	4	4	1	2	2	2	226	1	2	2	2	2
Do.	May 7	55,509	18	3	3	2	3	3	3	230	1	2	2	2	2
Titusville, Pa.	do.	8,397	3	3	3	3	3	3	3	57	1	2	2	2	2
Toledo, Ohio.	do.	174,059	35	4	2	1	2	5	1	42	1	1	1	1	1
Do.	do.	174,059	45	2	2	2	2	5	2	18	1	1	1	1	1
Trenton, N. J.	do.	92,878	3	6	1	5	2	17	2	7	1	1	1	1	1
Utica, N. Y.	May 6	69,458	20	1	3	1	1	2	1	31	1	1	1	1	1
Walla Walla, Wash.	May 7	15,784	6	1	1	1	1	1	1	7	1	1	1	1	1
Waltham, Mass.	do.	28,522	6	1	1	1	1	1	1	31	1	1	1	1	1
Warren, Pa.	May 2	11,838	3	1	1	1	1	1	1	7	1	1	1	1	1
Weymouth, Mass.	Apr. 30	11,793	4	1	1	1	1	1	1	7	1	1	1	1	1
Do.	May 7	11,793	4	1	1	1	1	1	1	7	1	1	1	1	1
Wheeling, W. Va.	Apr. 30	42,799	18	1	1	1	1	1	1	8	1	1	1	1	1
Wichita, Kans.	May 7	39,612	22	2	1	1	1	11	2	30	4	4	4	4	4
Wilkes-Barre, Pa.	do.	64,323	23	2	1	1	1	1	1	7	1	1	1	1	1
Wilksburg, Pa.	do.	19,999	7	1	1	1	1	1	1	43	1	1	1	1	1
Williamsport, Pa.	do.	30,220	3	1	1	1	1	4	2	60	1	1	1	1	1
Wilmington, Del.	do.	88,980	21	2	2	3	1	3	1	6	1	1	1	1	1
Woburn, Mass.	do.	14,520	4	1	1	1	1	3	1	30	1	2	2	2	2
Worcester, Mass.	Apr. 30	135,906	37	7	3	4	3	4	6	30	1	2	2	2	2
York, Pa.	May 7	41,895	6	1	1	1	1	3	3	2	1	1	1	1	1
Zanesville, Ohio	do.	25,614	6	1	1	1	1	7	1	2	1	1	1	1	1

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

FLORIDA.—Week ended April 30, 1910. Reports from the state board of health show typhoid fever present in 3 localities with 9 cases, smallpox in 5 counties with 13 cases, diphtheria in 2 localities with 4 cases, tuberculosis in 5 localities with 11 cases.

Week ended May 7. Typhoid fever present in 5 localities with 16 cases, smallpox in 4 counties with 38 cases, diphtheria in 1 locality (Tampa) with 5 cases, tuberculosis in 4 localities with 7 cases.

Pensacola.—Month of April, 1910. Population, 35,000. Total number of deaths from all causes 44, including typhoid fever 2, tuberculosis 9; cases not reported.

GEORGIA—Macon.—Month of April, 1910. Population, 50,000 (white 30,000, colored 20,000). Total number of deaths from all causes 55 (white 28, colored 27), including typhoid fever 1, measles 1, tuberculosis 6 (white 2, colored 4).

OREGON—Portland.—Month of March, 1910. Population, 265,000. Total number of deaths from all causes 183, including diphtheria 2, tuberculosis 24. Cases reported: Typhoid fever 5, and 5 brought for treatment, smallpox 8, measles 126, scarlet fever 78, tuberculosis (pulmonary) 35.

PENNSYLVANIA—Williamsport.—Year 1909. Population, 32,000. Total number of deaths from all causes 398, including typhoid fever

4, scarlet fever 1, diphtheria 2, tuberculosis 37. Cases reported: Typhoid fever 38, measles 16, scarlet fever 140, diphtheria 31, tuberculosis 33.

**SOUTH CAROLINA**—*Charleston*.—Month of April, 1910. Population, 57,593. Total number of deaths from all causes 145, including typhoid fever 1, measles 1, diphtheria 1, tuberculosis 17. Cases reported: Typhoid fever 15, smallpox 3, diphtheria 6, scarlet fever 2.

**TEXAS**—*Waco*.—Month of April, 1910. Population, 30,000. Total number of deaths from all causes 38, including scarlet fever 1, tuberculosis 7. Cases reported: Smallpox 2, scarlet fever 10, diphtheria 2, tuberculosis 8.

# FOREIGN AND INSULAR.

---

---

## AUSTRALIA.

### SYDNEY—Plague-prevention work.

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

Month of March, 1910. Rodents destroyed, 5,500; examined, 1,571. No plague-infected rodents found.

The last case of human plague was reported May 29, 1909. The last plague-infected rodent was found June 15, 1909.

## CHINA.

### AMOY—Inspection of vessels—Smallpox.

Acting Assistant Surgeon Moorhead reports, March 23 and 30, and April 4:

Week ended March 19. Supplemental bill of health issued to steamship *Kaifong* for Manila, crew 56, cabin passengers 40, steerage passengers 16. Crew and steerage passengers bathed and effects disinfected. All passengers vaccinated. All on board inspected immediately prior to sailing. No cargo taken on at this port. Week ended March 26. Bills of health were issued to the steamships *Yingchow* and *Taisang* for Manila. Manifests viséed for 929 and 161 packages of freight. These vessels carried an aggregate of 117 in crews and 30 cabin passengers and 195 steerage passengers. Week ended April 2. Bills of health issued to the *Yingchow* and *Taisang* for Manila. All on board were vaccinated and the crews and steerage passengers were bathed and their effects disinfected. All on board the *Yingchow* and *Taisang* were examined immediately prior to sailing. These vessels carried an aggregate of 119 in crews and 55 cabin and 187 steerage passengers. The manifest of the *Taisang* was viséed for 1,662 packages of freight.

During the week ended March 19, 2 deaths from smallpox were reported in the international settlement of Kulangsu, and 2 during the week ended April 2. A European resident died of hemorrhagic smallpox during the week ended April 2, this being the third case of this nature to occur in foreigners during the past month. The other two fatal cases occurred on board two steamships making regular trips to Amoy. Both patients were sailors, neither of whom was in the habit of coming on shore at Amoy. One died at Swatow and 1 at Hongkong. No other cases have occurred on the vessels.

Only 4 cases of smallpox have occurred among foreigners during the past eight years and in every case there was no history of previous vaccination. Practically every foreign resident of Kulangsu has now been vaccinated.

CUBA.

CIENFUEGOS—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, May 6:  
 Week ended April 30. Vessels inspected, 5. Bills of health issued, 5. Members of crews of outgoing vessels inspected, 158.  
 No quarantinable disease was reported.

HABANA—Inspection of vessels—Leprosy in Cuba.

Passed Assistant Surgeon de Valin reports, May 4:  
 Week ended April 30. Bills of health issued, 23. Vessels inspected 19. Members of crews of outgoing vessels inspected, 922. Passengers of outgoing vessels inspected, 829.  
 The mosquito brigade reports 19,505 houses inspected and 7,539 water deposits petrolled or suppressed during the period from April 1 to 10. No quarantinable disease was reported during the week.  
 The department of sanitation reports 3 new cases of leprosy and 331 cases under treatment in the island for the 10 days ended April 10.

MATANZAS—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, May 3 and 9:  
 Week ended April 30. Bills of health granted to 3 vessels clearing for the United States.  
 The department of sanitation reports the inspection of 8,010 houses during the twenty days ended April 30.  
 Week ended May 7. Bills of health granted to 7 vessels bound for United States ports. No quarantinable disease reported.

SANTIAGO—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, May 3 and 4:  
 Week ended April 23. Bills of health issued to 8 vessels. Week ended April 30. Bills of health issued to 4 vessels. These vessels were all bound for the United States.  
 The department of sanitation reports 3,000 houses inspected during the week ended April 23, and 3,056 during week ended April 30. No quarantinable disease was reported.

ECUADOR.

GUAYAQUIL—Plague and yellow fever—Inspection of vessels.

Passed Assistant Surgeon Parker reports, April 5 and 20:

*Two weeks ended March 31.*

Disease.	Locality.	Pre-viously reported.	New cases.	Cured.	Died.	Remain-ing.
Plague.....	Guayaquil.....	13	13	11	6	9
Plague.....	Milagro.....	3			2	1
Yellow fever.....	Guayaquil.....	3	21	12	7	5
Yellow fever.....	Babahoyo.....		1		1	



This report shows an increase of one in the number of plague cases and an increase of one in the number of yellow fever cases as compared with the previous semimonthly report.

During the period covered by this report there were 144 deaths from all causes in the city of Guayaquil, a decrease of 18 as compared with the previous semimonthly report and the same period of last year. Estimated population, 70,000.

*Two weeks ended April 15.*

Disease.	Locality.	Pre-viously reported.	New cases.	Cured.	Died.	Remain-ing.
Plague.....	Guayaquil.....	9	9	7	3	8
Do.....	Milagro.....	1				1
Yellow fever.....	Guayaquil.....	5	14	10	7	2

During the period covered by this report there were 133 deaths from all causes in the city of Guayaquil, a decrease of 67 as compared with the same period of last year.

**Inspection and Fumigation of Vessels.**

Week ended April 16. Bills of health issued, 2. Vessels fumigated, 2. Members of crews inspected, 117. Cabin passengers inspected, 43. Steerage passengers inspected, 22. Pieces of baggage inspected and passed, 62; fumigated, 76. Certificates for hides issued, 3.

Week ended April 23. Bills of health issued, 1. Vessels fumigated, 1. Members of crews inspected, 22. Cabin passengers inspected, 9. Pieces of baggage inspected and passed, 20.

**GOLD COAST.**

**Yellow Fever at Sekondi.**

The following information was received from the Department of State under date of May 16:

Consul at Sierra Leone cables presence of yellow fever at Sekondi, Gold Coast.

**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 at Piihuona, 4 miles from Hilo, April 9, 1910.

Passed Assistant Surgeon Ramus reports, April 25:

**HONOLULU—Plague-prevention Work.**

*Week ended April 23, 1910.*

Total rats taken.....	903
Trapped.....	902
Found dead ( <i>mus rattus</i> ).....	1
Examined bacteriologically.....	809
Plague rats.....	0

Classification of rats trapped:

<i>Mus alexandrinus</i> .....	104
<i>Mus musculus</i> .....	321
<i>Mus norvegicus</i> .....	160
<i>Mus rattus</i> .....	319
Average number of traps set daily.....	1, 738

INDIA.

CALCUTTA—Cholera, plague, and smallpox.

Acting Assistant Surgeon Allan reports, April 21:  
 Week ended April 2. At Calcutta there were 71 deaths from cholera and 69 from plague, and 1 death from smallpox; in all Bengal, 3,481 cases of plague with 3,021 deaths; in all India, 28,733 cases of plague with 25,160 deaths.

ITALY.

NAPLES—Examination of emigrants—Smallpox.

Surgeon Geddings reports, April 25:

*Vessels inspected at Naples and Palermo week ended April 23.*

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 18	Luisiana.....	New York.....	1,227	60	1,150
19	Italia.....	do.....	489	45	80
19	Regina d'Italia.....	do.....	1,262	80	1,200
20	Sannio.....	do.....	1,068	90	1,350
20	Hamburg.....	do.....	960	80	1,100
21	Neckar.....	do.....	1,575	85	1,750
21	Oceania.....	do.....	2,004	120	2,100
22	Bayonne.....	do.....			
23	Antonio Lopez.....	do.....	479	35	750
	Total.....		9,054	595	10,220

PALERMO.

Apr. 20	Italia.....	New York.....	560	725	200
21	Sannio.....	do.....	845	700	300
22	Neckar.....	do.....	292	424	200
23	Liguria.....	New Orleans.....	267	600	200
	Total.....		1,464	2,449	900

*Rejections recommended.*

NAPLES.

Date.	Name of ship.	Tra-choma.	Favus.	Sus-pected trachoma.	Sus-pected favus.	Other causes.	Total.
Apr. 18	Luisiana.....	22	3	16		5	46
19	Italia.....	12	3	8		3	26
19	Regina d'Italia.....	24	10	13		8	55
20	Sannio.....	39	6	19	1	8	73
20	Hamburg.....	7	2	9		8	26
21	Neckar.....	24	3	24		12	63
21	Oceania.....	41	4	20		8	73
22	Bayonne.....						
23	Antonio Lopez.....	6	1	1		2	10
	Total.....	175	32	110	1	54	372

## Rejections recommended—Continued.

## PALERMO.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Apr. 20	Italia.....	20	.....	33	.....	8	61
21	Sannio.....	20	.....	15	.....	4	39
22	Neckar.....	21	.....	10	.....	1	32
23	Liguria.....	14	.....	15	.....	7	36
	Total.....	75	.....	73	.....	20	168

*Smallpox in Naples.*—During the week ended April 24, 10 cases of smallpox with 4 deaths were reported at the health office of the city of Naples.

## JAPAN.

## YOKOHAMA—Inspection of vessels.

Surgeon Irwin reports, April 18:

Week ended April 16. Bills of health issued to the following-named vessels: Steamships *Coblens* for Manila, *Awa Maru* for Seattle, *Asia* for San Francisco, and *Errol* for New York. These vessels carried an aggregate of 381 in crews, and 134 cabin and 257 steerage passengers.

## KOBE—Inspection of vessels—Plague.

Acting Assistant Surgeon Moore reports, April 13:

Week ended April 9. Supplemental bills of health granted to 4 steamships. Members of crews inspected, 310; steerage passengers inspected, 89; steerage passengers bathed, 44 (effects disinfected); pieces of baggage steamed, 127, and of bedding, 88; manifests viséed for 14,696 pieces of freight amounting to 2,064 tons; cases of human hair disinfected, 30, and of household goods, 4. Emigrants inspected and passed as follows: Per steamship *Tacoma Maru* for Tacoma, 14; per steamship *Awa Maru* for Seattle, 19. The emigrants passed, together with 11 intending passengers to Victoria by the *Awa Maru*, were held 7 days in detention at Ono quarantine station before embarkation.

The weekly reports of the municipal health officer show 1 case of plague at Kobe with 1 death. At Osaka 1 case of plague with 1 death was reported April 5.

## 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, May 9, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended May 7, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

**PROGRESO—Inspection and fumigation of vessels.**

Acting Assistant Surgeon Harrison reports, April 30:  
 Week ended April 30. Vessels dispatched after fumigation, 5; without fumigation, 1. These vessels carried an aggregate of 272 in crews and 24 passengers from this port.

No quarantinable disease present except leprosy.

**SALINA CRUZ—Fumigation of vessels.**

Acting Assistant Surgeon Gochicoa reports, May 1:  
 Two weeks ended April 30, 1910. April 21, steamship *Virginian* for San Francisco; April 26, steamship *Nebraskan* for San Diego.

**VERACRUZ—Sanitary conditions.**

Acting Assistant Surgeon Goldthwaite reports, May 6:

The general sanitary condition is good. The streets are kept clean, and there is no standing gutter water. Daily house to house inspection is made in order to enforce sanitary regulations, to note cases of illness, and to keep a record of the movements of all persons, both permanent residents and transients. Except at the anchorage immediately west of the federal prison, no vessel anchors or is moored nearer than 800 yards to any human habitation. This fact undoubtedly lessens the danger of yellow fever infection by mosquitoes from the land. The harbor is an artificial arm of the sea and is entirely wind-swept. Beyond the inspection of all vessels upon arrival, no quarantine is imposed against any foreign or domestic port.

The last known case of yellow fever in Veracruz was the case of June, 1909, from the steamship *Fürst Bismarck*. One case occurred in February, 1909.

The death rate continues high, being about 50 per 1,000 based on a population of 40,000. For the 4 months ended April 30, 1910, 532 deaths were reported, of which 114 were from tuberculosis and 18 from pernicious malarial fever.

**TRINIDAD.****Plague and yellow fever.**

Consul Hale reports, May 2:

From April 10 to 27, there were 2 cases of yellow fever and 3 of plague on the island of Trinidad. The yellow fever cases occurred at Port of Spain, April 10 and 12, and the plague cases April 20 and 27 on a plantation 10 miles distant from Port of Spain.

Every precaution is being taken to prevent spread. All known contacts have been isolated.

**VENEZUELA.****LA GUAIRA—Inspection of vessels.**

Acting Assistant Surgeon Kellogg reports, April 24:

Week ended April 23. Vessels inspected: April 18, steamship *Maracaibo* for New York, crew 51, 1 passenger in transit and 3 passengers taken on at this port. April 19, steamship *Philadelphia* for San Juan, crew 65, no passengers. April 20, steamships *Buenos Aires* for Ponce, crew 125, passengers taken on at this port 59, and *Città di Milano*, for Colon, crew 85, passengers taken on at this port 35. April 21, schooner *Emma S. Lord* for Portland, Me., crew 8, no passengers.

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

Reports Received During Week Ended May 20, 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.
<b>India:</b>				
Bombay.....	Apr. 6-19.....		2	
Calcutta.....	Mar. 20-May 2.....		147	
Negapatam.....	Mar. 12-25.....		21	

## YELLOW FEVER.

<b>Ecuador:</b>				
Guayaquil.....	Apr. 1-15.....	14	7	
<b>Gold Coast:</b>				
Sekondi.....	May 16.....			Present.
<b>Trinidad:</b>				
Port of Spain.....	Apr. 10-12.....	2		

## PLAGUE.

<b>Chile:</b>				
Iquique.....	Jan. 1-Apr. 9.....	92	32	
<b>Ecuador:</b>				
Guayaquil.....	Apr. 1-15.....	9	3	
<b>Egypt:</b>				
Alexandria.....	Apr. 9-22.....	1	1	
Provinces—				
Assiout.....	Apr. 3-22.....	36	15	
Beni Souef.....	Apr. 3-22.....	4	5	
Fayoum.....	Apr. 3-22.....	4	5	
Galiobeh.....	Apr. 3-22.....	1	2	
Kena.....	Apr. 3-22.....	48	50	
Minieh.....	Apr. 3-22.....	5	1	
<b>India:</b>				
Bombay.....	Apr. 6-19.....		442	
Calcutta.....	Mar. 20-May 2.....		125	
Kurrachee.....	Apr. 3-16.....	142	136	
Rangoon.....	Mar. 27-Apr. 2.....		43	
<b>Japan:</b>				
Formosa.....	Mar. 27-Apr. 2.....	1		
Osaka.....	Apr. 5.....	1	1	
<b>Paraguay:</b>				
Asuncion.....	Feb. 21.....			Endemic.*
<b>Trinidad:</b>				
Port of Spain.....	Apr. 20-27.....	3		On plantation 10 miles from city.

## SMALLPOX.

<b>Abyssinia:</b>				
Adis Ababa.....	Apr. 3-9.....			Present.
<b>Arabia:</b>				
Maskat.....	Apr. 3-9.....			Do.
<b>Canada:</b>				
Halifax.....	May 1-7.....	2		
Toronto.....	Jan. 2-May 17.....	11		
Victoria.....	Apr. 24-30.....	1		
<b>Chile:</b>				
Valparaiso.....	Apr. 10-16.....	5		
<b>China:</b>				
Amoy, Kulangsu.....	Mar. 27-Apr. 2.....		2	
Hongkong.....	Mar. 20-26.....	1		
<b>Egypt:</b>				
Cairo.....	Apr. 16-22.....	2	3	
Port Said.....	Apr. 16-22.....	1		
<b>France:</b>				
Paris.....	Apr. 17-23.....	4		
<b>Germany, general</b>	Apr. 17-23.....	15		
<b>Great Britain:</b>				
Glasgow.....	Apr. 23-29.....	1		
Hull.....	Apr. 24-30.....		1	

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

**Reports Received During Week Ended May 20, 1910.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Bombay .....	Apr. 6-19 .....		139	
Calcutta .....	Apr. 26-May 2 .....		1	
Kurrachee .....	Apr. 3-9 .....	3		
Madras .....	Apr. 2-15 .....		7	
Rangoon .....	Mar. 27-Apr. 22 .....		22	
Italy, general .....	Apr. 18-24 .....	4		
Naples .....	Apr. 18-24 .....	10	4	
<b>Japan:</b>				
Formosa .....	Mar. 27-Apr. 2 .....	18	2	
Kobe .....	Apr. 10-16 .....	1		
Malta .....	Apr. 10-16 .....	1		
<b>Mexico:</b>				
Aguascalientes .....	Apr. 24-30 .....		7	
Guadalajara .....	Apr. 24-30 .....		2	
<b>Portugal:</b>				
Lisbon .....	Apr. 17-23 .....	35		
<b>Russia:</b>				
Libau .....	Apr. 17-24 .....	7	2	
Moscow .....	Apr. 3-16 .....	56	22	
Odess .....	Apr. 3-16 .....	97	12	
St. Petersburg .....	Apr. 10-16 .....	45	6	
<b>Spain:</b>				
Barcelona .....	Apr. 19-May 2 .....		3	
Huelva .....	Mar. 24-30 .....		2	
Valencia .....	Apr. 17-23 .....	2		

**Reports Received from January 1 to May 13, 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.
<b>Ceylon:</b>				
Colombo .....	Feb. 13-Mar. 12 .....	6		
<b>Germany:</b>				
Heydekrug .....	Nov. 19-Dec. 4 .....	2		
Niedrung .....	Nov. 16-22 .....	1		
<b>India:</b>				
Bombay .....	Nov. 24-Mar. 29 .....		24	
Calcutta .....	Nov. 14-Mar. 19 .....		725	
Madras .....	Jan. 1-Apr. 1 .....		5	
Moulmine .....	Jan. 22-Mar. 12 .....		15	
Negapatam .....	Jan. 30-Mar. 4 .....		23	
Rangoon .....	Nov. 14-Mar. 19 .....		49	
<b>Java:</b>				
Batavia .....	Nov. 14-Mar. 12 .....	389	111	
Samarang .....	Feb. 20-Mar. 5 .....	50	35	Feb. 1-28, 216 cases.
Soerabaya .....	Mar. 1-31 .....	80	70	
<b>Norway:</b>				
Friedershalld .....	Dec. 31-Jan. 3 .....	1	1	From a vessel from Riga.
<b>Persia:</b>				
Astara .....	Dec. 1-15 .....	36	22	
<b>Philippine Islands:</b>				
Manila .....	Nov. 7-Mar. 12 .....	134	98	Third quarter, 1909. Cases, 82; deaths, 61.
<b>Provinces</b> .....				Third quarter, 1909. Cases, 3,946; deaths, 2,609.
Albay .....	Nov. 7-20 .....	6	6	
Bataan .....	Nov. 7-Feb. 26 .....	216	156	
Bohol .....	Nov. 7-Feb. 26 .....	50	32	
Bulacan .....	Nov. 7-Mar. 19 .....	33	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. 19 .....	108	80	Nov. 20, 1 case on s. s. Yapticco.
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	

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

Reports Received from January 1 to May 13, 1910.

## CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Philippine Islands—Continued.</b>				
<b>Provinces—Continued.</b>				
Pampanga.....	Nov. 7-Mar. 19....	266	100	
Pangasinan.....	Mar. 13-19.....	1	1	
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	1	
Kaluga.....	Dec. 26-Jan. 1....	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	6	
Moscow, government—				
Moscow.....	Nov. 29-Jan. 22....	256	115	
Novotscherkask.....	Mar. 18.....	2	2	
Pskov, government.....	Nov. 21-27.....	10	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	2	
Siam:				
Bangkok.....	Oct. 28-Mar. 18....	17	17	
Siberia:				
Vladivostok.....	Nov. 16-21.....	1	1	
Straits Settlements:				
Singapore.....	Dec. 19-Jan. 15....	4	4	
Sumatra:				
Palembang.....	Sept. 20-Oct. 20....	936	675	

## YELLOW FEVER.

<b>Brazil:</b>				
Manaos.....	Nov. 21-Apr. 9.....	71	71	
Para.....	Nov. 28-Apr. 23....	131	123	
<b>Ecuador:</b>				
Babahoyo.....	Jan. 1-Mar. 31....	6	2	
Guayaquil.....	Dec. 1-Mar. 31....	156	57	
<b>Peru:</b>				
Callao.....	Nov. 2-Dec. 2.....	1	1	From s. s. Loa.
<b>Mexico:</b>				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo....	Dec. 20.....	1	1	
<b>Nicaragua:</b>				
Managua.....	Jan. 14-20.....	1	1	
<b>Panama:</b>				
Canal Zone—				
Ancon.....	Jan. 24.....	1	1	At Ancon Hospital, from s. s. Barbadian.
Culebra Island.....	Mar. 1-8.....	1	1	At Culebra quarantine station, from s. s. Huallago.
<b>Portugal:</b>				
Lisbon.....	Apr. 3.....	8	4	Eight cases and 4 deaths on s. s. Rugia from Manaos and Para; 4 cases placed in quarantine.
<b>Trinidad:</b>				
Port of Spain.....	Nov. 28-Dec. 4....	1	1	
<b>Venezuela:</b>				
La Guaira.....	Mar. 1-Apr. 16....	6	6	

## PLAGUE.

<b>Arabia:</b>				
Aden.....	Jan. 21-23.....	1	1	From an Austrian mail steamer from Bombay.
<b>Brazil:</b>				
Bahia.....	Nov. 20-Mar. 18....	61	35	
Para.....	Nov. 28-Apr. 23....	14	11	
Pernambuco.....	Oct. 15-Mar. 15....	26	26	

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

Reports Received from January 1 to May 13, 1910.

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Brazil—Continued.</b>				
Rio de Janeiro	Nov. 2-Jan. 23	16	2	
Santos	Nov. 1-Dec. 29	5	3	One case from bark Amazone, Dec. 1. Feb. 2, present.
<b>Chile:</b>				
Antofagasta	Mar. 19	4		Apr. 2, 4 cases in the lazaretto.
Iquique	Feb. 12-Apr. 3			Present.
Taltal	Jan. 15	2	1	
<b>China:</b>				
Amoy	Apr. 15			Present.
Hankow	Nov. 27-Dec. 7	20	20	Feb. 1, again present.
Hongkong	Nov. 21-27	1	1	
<b>Ecuador:</b>				
Babahoyo	Dec. 16-Feb. 15	18	6	
Guayaquil	Dec. 1-Mar. 31	250	97	
Milagro	Jan. 1-Mar. 15	23	7	
<b>Egypt:</b>				
Alexandria	Nov. 19-Mar. 25	9	4	
Port Said	Nov. 30-Dec. 22	2	1	
<b>Provinces—</b>				
Assiout	Sept. 29-Apr. 1	84	31	
Beherach	Dec. 8-14	1		
Beni Souef	Dec. 16-Mar. 18	31	10	
Fayoum	Jan. 20-Apr. 1	20	14	
Galloobeh	Jan. 11-Mar. 25	14	7	
Garbleh	Feb. 2-Mar. 18	14	11	
Grizeh	Dec. 19-Apr. 1	3	1	
Ghizeh	Dec. 19-Jan. 2	2	2	
Kena	Feb. 3-20	2	2	
Menouf	Nov. 28-Dec. 15	17	6	
Minleh	Dec. 21-Apr. 1	54	29	
<b>German East Africa:</b>				
Mpwapwa	Sept. 19-Oct. 5	7		
<b>Hawaii:</b>				
Hilo	Mar. 12-22	4	4	
Honokaa	Mar. 14-15	2	2	
<b>India:</b>				
Bombay	Dec. 27-Apr. 5		1,105	
Calcutta	Nov. 20-Mar. 19		196	
Kurrachee	Dec. 19-Apr. 2	727	708	
Rangoon	Nov. 13-Mar. 26		95	
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	28,017	22,959	
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	
<b>Grand total</b>		<b>239,929</b>	<b>205,318</b>	
<b>Indo-China:</b>				
Saigon	Nov. 7-Dec. 25	5	4	
<b>Japan:</b>				
Kobe	Nov. 28-Apr. 9	27	22	
Osaka	Jan. 1-31	2		
Shikoku Island	Jan. 30-Feb. 5	1		
Paraguay	Dec. 10		30	In the northern part.
<b>Peru:</b>				
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.



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

Reports Received from January 1 to May 13, 1910.

## PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Persia:</b>				
Bouchir.....	Mar. 24-Apr. 2.....	2	1	
<b>Mauritius</b> .....	Dec. 18-Jan. 27.....	120	70	
<b>Russia:</b>				
Astrakan, government.....	Dec. 5-Feb. 27.....	134	120	
Naourzali-Tchagil.....	Jan. 17-Feb. 2.....	26	26	
Beskulak.....	Dec. 10-16.....	18	16	
Bodal.....	Feb. 14-Mar. 1.....	23	21	
Dshedda.....	Jan. 7.....	4	4	Present.
Libau.....	Dec. 3-Mar. 18.....	4	4	
Novala-Kazanka.....	Feb. 20-Mar. 3.....	13	11	
Uralsk, district.....	Nov. 25-Jan. 12.....	208	202	
<b>Siam:</b>				
Bangkok.....	Oct. 28-Mar. 28.....	78	72	
Phrapatom.....	Feb. 15.....			Epidemic.
<b>Straits Settlements:</b>				
Singapore.....	Dec. 25-Jan. 1.....	2	2	
<b>Turkey in Asia:</b>				
Bassorah.....	Apr. 27.....			Present.
Beirut.....	Nov. 29-Apr. 9.....	4	1	
Jiddah.....	Jan. 5-Apr. 3.....	65	63	
<b>Venezuela:</b>				
Fuerto Cabello.....	Feb. 24.....	2		
Zanzibar.....	Nov. 9-17.....	2	2	

## SMALLPOX.

<b>Abyssinia:</b>				
Adis Ababa.....	Feb. 19-Apr. 2.....			Present.
<b>Arabia:</b>				
Aden.....	Feb. 15-21.....		1	
<b>Algeria, general</b> .....	Dec. 1-15.....	22		
Algiers.....	Nov. 1-Jan. 31.....		3	
Bona.....	Dec. 1-Feb. 28.....	12	9	
<b>Argentina:</b>				
Buenos Aires.....	Oct. 1-Jan. 31.....		158	
Rosario.....	Dec. 1-31.....		1	
<b>Austria:</b>				
Bohemia.....	Feb. 20-Apr. 2.....	4		
Galicja.....	Jan. 1-Apr. 16.....	20		
Silesia.....	Apr. 10-16.....	1		
Vienna.....	Jan. 9-29.....	2		
<b>Brazil:</b>				
Bahia.....	Nov. 20-Mar. 25.....	440	296	
Para.....	Jan. 31-Mar. 5.....	1		
Pernambuco.....	Oct. 16-Mar. 15.....		461	
Rio de Janeiro.....	Nov. 2-Feb. 27.....	25	1	
Sao Paulo.....	Nov. 1-21.....		2	
<b>Canada:</b>				
British Columbia—				
Vancouver.....	Jan. 1-Mar. 31.....	7		
Nova Scotia—				
Halifax.....	Dec. 19-Apr. 30.....	16		
Windsor.....	Dec. 1-Jan. 31.....	40		
Ontario—				
Hamilton.....	Apr. 10-16.....	1		
Port Arthur.....	Mar. 11-19.....	5		
<b>Ceylon:</b>				
Colombo.....	Feb. 6-Mar. 5.....	7		
<b>Chile:</b>				
Antofagasta.....	Jan. 1.....			Present. Feb. 12, 8 cases in Iuzaretto.
Quillota.....	Nov. 28-Dec. 4.....			Present.
Valparaiso.....	Mar. 26-Apr. 2.....	3		Nov. 20-Jan. 1, present.
<b>China:</b>				
Amoy, Kulangsu.....	Nov. 28-Mar. 19.....		17	
Canton.....	Dec. 12-Mar. 26.....	150	17	
Chang Cheun.....	Dec. 11.....			Present.
Chio Be.....	Dec. 11.....			Do.
Hankow.....	Jan. 2-Mar. 26.....	7	3	Dec. 19-Feb. 26, present among natives.
Hongkong.....	Feb. 5-Mar. 12.....	14	5	Feb. 19, 1 case from a steamship from Amoy.
Nankin.....	Feb. 20-26.....		1	Mar. 12, present.
Shanghai.....	Nov. 1-Apr. 3.....	9	54	Deaths among natives.
Swatow.....	Apr. 6.....			Epidemic. Feb. 19, 1 death from a steamship from Amoy.

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

**Reports Received from January 1 to May 13, 1910.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Cuba:</b>				
Habana .....	Dec. 3-9.....	1		From s. s. La Navarre.
<b>Ecuador:</b>				
Guayaquil.....	Jan. 1-31.....	3		
<b>Egypt, general.</b>	Nov. 5-Feb. 18....	749	187	
Alexandria.....	Nov. 5-Jan. 21....	20	19	
Cairo.....	Nov. 26-Apr. 15...	36	7	
Port Said.....	Mar. 19-Apr. 15....	2		
<b>France:</b>				
Nantes.....	Jan. 1-Mar. 31....	2		
Paris.....	Dec. 5-Apr. 16....	152	18	
<b>Germany, general.</b>	Dec. 5-Apr. 16....	153		
Bremen.....	Feb. 27-Apr. 2....	2		
Konigsberg.....	Dec. 12-Jan. 15....	2	2	In vicinity.
<b>Great Britain:</b>				
Bristol.....	Feb. 6-Mar. 26....	4		Mar. 13-26. 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-Apr. 16....	5	1	
Plymouth.....	Nov. 12-18.....	1	1	
Sheffield.....	Mar. 27-Apr. 9....	5	1	
Southampton.....	Nov. 12-18.....	1		
South Shields.....	Feb. 13-19.....	1		
<b>Greece:</b>				
Athens.....	Nov. 22-Mar. 26....		21	
<b>Hawaii:</b>				
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.
<b>India:</b>				
Bombay.....	Nov. 24-Apr. 5....		608	
Calcutta.....	Nov. 14-Mar. 12....		21	
Kurrachee.....	Jan. 2-Apr. 2....	19	5	
Madras.....	Dec. 18-Apr. 1....		16	
Rangoon.....	Nov. 20-Mar. 26....		214	
<b>Indo-China:</b>				
Saigon.....	Dec. 7-13.....	1		
<b>Italy, general.</b>	Nov. 29-Apr. 17....	370		
Genoa.....	Dec. 1-Mar. 15....	20	1	
Milan.....	Jan. 1-16.....	1		
Naples.....	Dec. 6-Apr. 17....	313	50	
<b>Japan:</b>				
Formosa.....	Feb. 6-Apr. 26....	77	10	
Kobe.....	Dec. 12-25.....	1	1	
Nagasaki.....	Apr. 6.....	1		On s. s. Asia from Hongkong.
Yokohama.....	Mar. 22-Apr. 12....	2		Mar. 22, 1 case on s. s. Ferd. Laeisz from Hamburg. Apr. 12, 1 case from S. S. Asia, from Hongkong, via Nagasaki.
<b>Java:</b>				
Batavia.....	Dec. 12-Feb. 12....	9	1	
<b>Korea:</b>				
Fusan.....	Jan. 26-Mar. 12....	9	2	
Ilmyokyo.....	Feb. 26.....			Present.
<b>Liberia:</b>				
Monrovia.....	Nov. 28-Dec. 4....	6		
<b>Malta:</b>				
Valetta.....	Dec. 12-Jan. 15....	3	1	
<b>Manchuria:</b>				
Tie-ling.....	Feb. 19.....			Do.
<b>Mexico:</b>				
Aguascalientes.....	Dec. 12-Apr. 23....		58	
Chihuahua.....	Dec. 13-Mar. 27....	16	9	
Guadalajara.....	Jan. 29-Mar. 11....		6	
Manzanillo.....	Mar. 1-6.....	5		
Mexico.....	Nov. 14-Apr. 2....		24	
Monterey.....	Nov. 13-Apr. 10....		4	
Rincon Viejo.....	Mar. 1-31.....			Do.
Santo Domingo.....	Mar. 1-31.....			Do.
Veracruz.....	Feb. 13-19.....	1		

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

Reports Received from January 1 to May 13, 1910.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
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.
Bender Gez.....	Feb. 20-Mar. 13.....			Do.
Enzell.....	Jan. 9-Feb. 2.....			Do.
Hamadan.....	Nov. 15-Dec. 31.....			Do.
Kashin.....	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. 19.....	57		Third quarter, 1909, cases, 5; deaths, 0.
Portugal:				
Lisbon.....	Dec. 5-Apr. 16.....	383		
Porto Rico, general.....	July 1-Dec. 31.....	72	12	
Russia:				
Batoum.....	Dec. 1-31.....	5		
Liban.....	Dec. 6-Apr. 16.....	68	4	
Moscow.....	Nov. 21-Apr. 2.....	318	102	
Odessa.....	Nov. 21-Apr. 2.....	505	102	
Riga.....	Dec. 5-Apr. 16.....	63		Oct. 1-Dec. 31, 26 deaths.
St. Petersburg.....	Nov. 28-Apr. 9.....	863	248	
Saratov.....	Mar. 19-25.....			Epidemic.
Warsaw.....	Oct. 24-Feb. 26.....		272	
Siam:				
Bangkok.....	Nov. 28-Mar. 28.....	13	12	
Siberia:				
Vladivostok.....	Jan. 15-Feb. 13.....	6	2	
Spain:				
Almeria.....	Jan. 1-Mar. 31.....		22	
Barcelona.....	Dec. 14-Apr. 11.....		42	
Cadix.....	Jan. 1-31.....		1	
Huelva.....	Nov. 1-Feb. 28.....		19	
Madrid.....	Dec. 1-Mar. 31.....		65	Report for February not received.
Seville.....	Dec. 1-Mar. 31.....	18		
Tarragona.....	Feb. 20-26.....		1	
Valencia.....	Jan. 9-Apr. 18.....	21		
Vigo.....	Jan. 23-Mar. 19.....		2	Mar. 5-19, present in vicinity.
Straits Settlements:				
Singapore.....	Jan. 22-Mar. 26.....		13	
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-Feb. 28.....		124	Feb. 1-28, 99 cases.
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.		
Amsterdam	Apr. 30	569,948	146	18					1							
Antwerp	Apr. 23	326,351	80	10											6	3
Athens	Apr. 9	250,010	63	34										1		
Barcelona	Apr. 25	591,272	290	22					2					6		7
Do	May 2	533,180	385	22					1		5			2	11	
Bergen	Apr. 23	87,749	16	4										1		
Belfast	do	391,167	160	20							1			1	8	8
Bombay	Apr. 12	977,822	890	70	224	1			85		1			1	3	4
Do	Apr. 19		857	51	218	1			54		3			3	4	10
Bradford	Apr. 23	295,865	81	6												
Bristol	Apr. 30	382,550	104	6										3		
Brussels	Apr. 23	562,895	213	22							1			1	5	3
Budapest	Apr. 17	950,610										6		3	10	1
Castro	Apr. 22	677,663	491	26				3	4	2				3	13	5
Calcutta	Mar. 26	847,796	501	23	56	76		1						5	4	4
Do	Apr. 2		537	28	69	71		1						5	4	4
Chihuahua	May 1	37,000	44	4												
Colombo	Mar. 26	187,564	78								6			5		3
Do	Apr. 2		86								3					
Dresden	Apr. 23	550,800	140	21										1		
Dundee	Apr. 30	170,206	98	5										1	31	7
Edinburgh	Apr. 23	360,276	104	4												
Geneva	Apr. 16	121,500	32													
Glasgow	Apr. 29	872,021	270	60							1			1		
Gothenberg	Apr. 23	164,000	60	2										3	18	2
Guadalajara	Apr. 30	125,000	134					2			14				7	5
Guayaquil	Feb. 5	75,000	72	12												2
Do	Feb. 12		68	10	5	4										1
Do	Feb. 19		73	5	3	3										1
Do	Feb. 26		71	6	3	3					2					1
Do	Mar. 5		77	10	4	4					1					2
Do	Mar. 12		81	11	4	4		1								
Do	Mar. 19		47	7	3	3										1
Do	Mar. 26		68	11	4	4		5								
Do	Apr. 2		67	13	3	3		4								
Do	Apr. 9		58	8	3	2		4								
Do	Apr. 16		68	17	5	5		6								
Hamburg	Apr. 23	895,804	241	39							1			8	3	1
Havre	do	132,430	51	11										1		1
Hongkong	Apr. 2	336,488												1		
Hull	Apr. 30	280,006	74								1			1		1
Iquique	Jan. 8	38,382		3	1						2					
Do	Jan. 15			5	1						1					1
Do	Jan. 22			5	1									1		
Do	Jan. 29			4	3											
Do	Feb. 5			3							2					
Do	Feb. 12			11	2											
Do	Feb. 19			8	1						1			1		
Do	Feb. 26			5	1						1					
Do	Mar. 5			6	3						3					2
Do	Mar. 12			3												
Do	Mar. 19			7	4											
Do	Mar. 26			5	3						1					
Do	Apr. 2			3	5						4					
Do	Apr. 9			5	5											
Karachi	do	130,000	117		75											
Do	Apr. 16		128		61											
Kobe	do	387,915	129											2		
Leeds	Apr. 30	490,988	122								1			2		5
Libau	Apr. 24	90,000						2						2		
Liege	Apr. 16	177,055	49	6										1		
Liverpool	Apr. 30	767,606	254	20							4			3	15	14
London	Apr. 23	7,537,196	1,710								5			12	9	34
Louisbourg	May 7	1,500												1		
Lyons	Apr. 16	500,000	197	28							1			2	5	
Lubeck	Apr. 23	96,000	26	3												1
Madras	Apr. 8	550,000	338					3							4	
Magdeburg	Apr. 9	277,400	100	11										1	3	2
Do	Apr. 16		93	10							1			1	1	

## MORTALITY—Continued.

## Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—											
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Manchester.....	Apr. 23	631,533	229	17							2	2	2	8	11
Matamoras.....	May 8	8,000	9	2											2
Monterey.....	May 1	100,000	75	10										2	2
Montreal.....	May 7	530,000	166	12						1	2	4	3	1	9
Moscow.....	Apr. 9	1,500,000	691	96				14	1	1	16	22		16	7
Naples.....	Apr. 23	593,729	273				4			1				1	1
Newcastle-on-Tyne.....	do.....	285,891	73											2	1
Nottingham.....	do.....	260,000	64										1		2
Nuevo Laredo.....	May 7	9,000	5							1					
Odessa.....	Apr. 9	520,000	196	36				4	2		5	4		5	2
Do.....	Apr. 16		183	23				8	3		4	7		1	1
Palermo.....	Mar. 26	340,000	183	9							1			5	2
Do.....	Apr. 2		164	6						1				2	
Do.....	Apr. 9		173	4										2	
Paris.....	Apr. 23	2,776,394	1,098	225						5	2	11		27	
Port Elizabeth.....	Apr. 16	32,595	19	1										3	
Quebec.....	May 7	85,000	3	3										1	
Rangoon.....	Apr. 2	252,155	205	6	43			22							
Rotterdam.....	Apr. 30	420,171	110	110							1	1			
St. Petersburg.....	Apr. 16	1,678,000	994	167				6		13	11	18	83	11	
Sheffield.....	Apr. 23	472,000	122	7						1	2				4
Do.....	Apr. 30		111	7						1					4
Southampton.....	do.....	127,157	24	4											1
Turin.....	Apr. 14	391,968	169	20							1	2	4	3	
Valencia.....	Apr. 23	240,000	104	4						1		1			
Vienna.....	do.....	2,107,981	738	114						2	6	6	32	7	
Vigo.....	do.....	40,000	14	2				1							
Vladivostok.....	Mar. 28	90,162	14	1						1					
West Hartlepool.....	Apr. 16	66,750	21								1				
Winnipeg.....	Apr. 30	122,000	49	3							2	1			1
Yokkachi.....	Mar. 19	389,761	165							1					

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

AZORES—*St. Michaels*.—Month of February, 1910. Population 131,183. Total number of deaths from all causes 190, including typhoid fever 1, tuberculosis 10.

CANADA—*Sherbrooke*.—Month of April, 1910. Population 15,300. Total number of deaths from all causes 25, including typhoid fever 1, tuberculosis 5.

GREAT BRITAIN.—Week ended April 16, 1910.

*England and Wales*.—The deaths registered in 77 great towns correspond to an annual rate of 15 per 1,000 of the population, which is estimated at 16,940,895.

*Ireland*.—The deaths registered in 21 principal town districts correspond to an annual rate of 23.2 per 1,000 of the population, which is estimated at 1,151,790. The lowest rate was recorded in Lurgan, viz, 8.9, and the highest in Lisburn, viz, 36.4.

*Scotland*.—The deaths registered in 8 principal towns correspond to an annual rate of 18.5 per 1,000 of the population, which is esti-

mated at 1,864,936. The lowest rate was recorded in Perth, viz, 5.6, and the highest in Dundee, viz, 28.5. The total number of deaths from all causes was 669, including typhoid fever 1, measles 64, scarlet fever 2, diphtheria 8.

ITALY—*Milan*.—Two weeks ended April 16, 1910. Population 900,000. Total number of deaths from all causes 105, including typhoid fever 6, measles 4, scarlet fever 2, diphtheria 4, tuberculosis 88.

MALTA.—Weeks ended April 2 and 16, 1910. Population 212,888. Total number of deaths from all causes reported 83, including typhus fever 1, Mediterranean fever 1, tuberculosis 4.

SIAM—*Bangkok*.—Four weeks ended March 28, 1910. Population 600,000. Total number of deaths from all causes not reported. Two deaths from cholera, 42 from plague, and 2 from smallpox reported.

SPAIN—*Almeria*.—Month of March, 1910. Population 50,910. Total number of deaths from all causes 158, including typhus fever 2, typhoid fever 8, smallpox 6, measles 7, scarlet fever 1, diphtheria 3, tuberculosis 8.

URUGUAY—*Montevideo*.—Month of February, 1910. Population 325,465. Total number of deaths from all causes 428, including typhoid fever 5, smallpox 30, tuberculosis 49.

By authority of the Secretary of Treasury:

WALTER WYMAN,

*Surgeon-General,*

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