

# PUBLIC HEALTH REPORTS.

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## THE OPENING OF A NATIONAL CAMPAIGN ON ORAL HYGIENE.

A national campaign on oral hygiene was opened in Cleveland, Ohio, March 18, 1910, under the auspices of a committee of the National Dental Association, and at the instance of President Taft Passed Asst. Surg. C. W. Wille, of the Public Health and Marine-Hospital Service, was detailed to attend the meeting in a representative capacity. In an address Doctor Wille expressed the interest of the President in the objects of the movement and commended those responsible for its inauguration.

In his report of the objects and methods of the campaign he states in part as follows:

The efforts of the committee on oral hygiene of the National Dental Association to secure the appointment of district dental inspectors and to provide for widespread dental education on oral hygiene in the public schools of the country had their inception in 1898. Because of a lack of proper appreciation of the importance of the subject on the part of the various dental and medical societies, boards of health and education, the movement lagged, and it was not until two or three years later that a few pages on the physiology of the teeth were inserted in some of the text-books on this subject.

Russia was the pioneer in this movement, having established a system of inspection of the teeth of the children in the public schools as early as 1879. Since then Germany, Great Britain, France, Belgium, Holland, Denmark, Italy, Japan, and New South Wales have instituted similar inspection.

In this country the State of Massachusetts has taken cognizance of the importance of this work, so that at present popular lectures on dental hygiene and prophylaxis are permitted in some of the public schools under the supervision of the respective boards of public education. At this time the city of New York maintains clinics for the care of the teeth of the children of the indigent poor. The city of Rochester maintains one clinic. Some of the cities of New Jersey, Indiana, Illinois, Mississippi, Iowa, Minnesota, Georgia, and Washington have instituted dental examinations to date.

At the convention of the National Dental Association held two years ago one session was devoted to the subject of oral hygiene, at which, on account of the enthusiasm of its delegation, the city of Cleveland was selected as the headquarters of the national committee

on oral hygiene. By persistent effort this committee obtained a hearing before the Cleveland board of education, as a result of which permission was granted to make dental examinations in 4 of its public schools.

This examination of 2,677 pupils was conducted by members of the local dental society under the supervision of the chairman of the committee on oral hygiene of the National Dental Association, disclosing the fact that 97 per cent of the children gave evidences of dental and oral diseases. These statistics were incorporated in a petition to the board of education, the national, state, and local associations participating, their report concluding with the following recommendations:

- (1) Requesting permission to place one dental inspector in each school.
- (2) To permit the establishment of 4 centrally located dispensaries for treating the teeth of the children of the indigent poor.
- (3) To permit the placing of one clinic in the Marion School, where pupils could receive proper dental attention, where careful records would be kept to demonstrate increased working efficiency of the children as well as a diminished tendency to contract infectious and contagious disease.
- (4) To establish practical and illustrated talks to parents, teachers, and scholars on subjects pertaining to dental hygiene in the assembly rooms of the schools.
- (5) These services to be rendered by members of the local dental society, free of charge, to demonstrate existing conditions, a reduction of the incidence of disease, increased working efficiency of the scholars, and to secure data with which to demonstrate to the State and public at large that such combination of inspection, treatment, and lectures had proven of value.

Upon the receipt of this petition the board of public education of the city adopted a resolution permitting the establishment of this system of inspection, treatment, and lectures in 4 schools for the period of one year, as above outlined, all arrangements to be carried out through the director of schools, aided by the social center committee, the results of the work to be filed with the board by January 1, 1911.

The report of this resolution was received by the committee of four, representing the national, state, and local committees on oral hygiene and the committee on education and hygiene of the local dental society, and at its request 18 members of the Cleveland dental society, including its executive council, were appointed to act in conjunction with it in formulating plans to carry on the work in that city. These plans provided for the following:

- (1) Examinations of 56,000 pupils.
- (2) Maintenance of 4 clinics in public schools for thirty weeks of five days each.
- (3) The establishment of lecture courses on dental hygiene.
- (4) The equipment of the dispensaries to be furnished by the national and state societies.
- (5) The professional services, or funds in lieu thereof, to be furnished by the Cleveland dental society.

These plans received the indorsement of the committee of 22 and were recommended to the Cleveland dental society for adoption.

Following the adoption of this schedule as outlined, the large committee of 22 resolved itself into 3 subcommittees, each to consider separately the subjects of dental examinations, clinics, and education and lectures, and to formulate plans as to the best methods wherewith these examinations, clinics, and lectures might be carried on. The committee on examinations prepared the necessary record forms, requests for examinations, and records of examinations. The committee on clinics formulated the rules for the proper conduct of the dispensaries.

The committee on lectures made recommendations as to the scope and character of the popular talks on the following subjects:

- (1) The anatomy and physiology of the teeth.
- (2) The care of the teeth and oral cavity from the prophylactic standpoint.
- (3) The care of diseased teeth and oral conditions.

It was decided that papers upon these topics were to be prepared individually by the members of 4 corps of 5 men each, these papers to be compared and rewritten into a uniform talk upon each subject. The lectures were to be so arranged as to cover the entire public-school system of the city.

Upon recommendation of the committee on education and hygiene of the Cleveland dental society these plans of the larger committee were adopted by the local society. With the adoption of these plans, and having had the consent of the board of public education to institute the proposed system of dental inspection, clinics, and lectures in the public schools, it was only necessary to arrange details and purchase the necessary equipment before the system might become operative.

Under the auspices of the national association it is intended to pursue a course similar to that detailed above in carrying this campaign into the various cities and States of the Union, the purpose of the campaign being to bring the importance of this subject fully and frankly before parents, educators, social workers, and philanthropists to invite the public to an open discussion on oral hygiene and to determine how best to further the popular movement for the better care of the mouth and teeth.

The opening of the campaign on oral hygiene at Cleveland, Ohio, March 18, 1910, under the auspices of the National Dental Association, the Ohio state dental society, and the Cleveland dental society began with the dedication and formal opening of the dental clinics in connection with 4 of the public schools and 2 parochial schools. Dedication addresses were made in each school by members of the national dental association and were replied to by members of the Cleveland dental society accepting the equipment of these clinics at the hands of the national association.

The afternoon exercises were held at Gray's armory, Dr. G. C. Ashmund, president of the board of education of Cleveland, presiding. The address of welcome was by Superintendent of Schools W. H. Elson, and was responded to by Richard Grady, dental surgeon, United States Naval Academy, for the national association. Superintendent Elson promised his cooperation in the movement. Doctor Grady predicted that the movement would become of national extent when the public began to realize that good teeth meant good health.

Dr. J. W. Dowd, ex-superintendent of schools of Toledo, Ohio, in an address on "Why we need oral hygiene in the public schools," explained the necessity of keeping the mouth in a sanitary condition to insure good health in the schoolroom. In her address on "The importance of lectures in the school buildings" Mrs. Sarah E. Hyre, chairman of the free lectures and social center work of the board of education, spoke of the necessity for illustrated lectures to accomplish the best results among the foreign element in our public schools.

Dr. W. T. Jackman, of the Ohio State Dental Society, in his address on "The state work" advocated the establishment of dental clinics

in every state institution. Dr. Weston A. Price of the Cleveland dental society, addressing the meeting on "The local work," spoke of the benefits derived from proper oral sanitation and of the results which should follow the efforts of the proposed 20 lecturers on oral topics, who would be selected from the ranks of the Cleveland dental society.

Dr. J. P. Corley of the National Dental Association, addressing the meeting on "Some of the difficulties which we have encountered," stated his belief that the public would readily pay any increase in taxation which the support of the dental clinic in the schools might render necessary when once the benefits to be derived from this attention were made evident to the taxpayer.

The evening meeting was held in the armory, former Governor Myron T. Herrick presiding. In the address of welcome Mayor Herman C. Baehr spoke of his appreciation of the importance of this movement as it related to the welfare of the city, and promised his efforts in an endeavor to secure the appropriation by the city council of sufficient funds to extend the scope of the work. Dr. Burton Lee Thorpe, president of the National Dental Association, responded.

Dr. W. G. Ebersole, chairman of the oral hygiene committee of the National Dental Association, speaking on "The importance of oral hygiene," impressed upon his audience the need of educating the public in the correct use of the mouth and teeth, and explained the system of inspection, dental attendance, and popular lectures which will be followed in Cleveland.

Dr. W. A. Evans, commissioner of health of Chicago, spoke on "The relation of conditions of the oral cavity to the health and morals of school children." He cited statistics covering the incidence of disease in the children of the public schools of Chicago, and explained how readily moral and physical degeneracy might result from decayed and diseased teeth.

Dr. H. C. Brown, representing Governor Harmon addressed the meeting on "The attitude of the State toward public health," declaring that ignorance of true conditions was responsible for the inactivity displayed by legislators respecting this aspect of public health work. My address on "The attitude of the Government toward public health," closed the evening session.

The attendance upon the afternoon and evening meetings numbered 4,000, showing a widespread popular interest in the movement. More than 100 visiting dentists representing many States of the Union attended the opening of this campaign.

# UNITED STATES.

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

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## PLAGUE-PREVENTION WORK.

### Infected Ground Squirrels.

Four infected ground squirrels were found in Oakland Township, Alameda County, March 8, 1910.

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 March 19, 1910. Premises inspected, 1,352. Houses destroyed, 8. Nuisances abated, 174. Poisons placed, 6,510. Rats trapped, 2,070. Rats found dead, 10. Gophers trapped, 3. Average number of traps set daily, 7,381. Rats identified, 2,080, as follows: *Mus norvegicus*, 1,438; *Mus rattus*, 93; *Mus musculus*, 413; *Mus alexandrinus*, 136. Examined bacteriologically, 1,670 rats and 3 gophers. No plague infection found.

#### BERKELEY, CAL.

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

Week ended March 19, 1910. Rats trapped, 18. Rats examined bacteriologically, 18. No plague-infected rats found.

#### OAKLAND, CAL.

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

Week ended March 19, 1910. Rats found dead, 16. Rats trapped, 602. Rats identified, 618, as follows: *Mus norvegicus*, 520; *Mus rattus*, 1; *Mus musculus*, 96; *Mus alexandrinus*, 1. Rats examined bacteriologically, 503. No plague-infected rats found.

#### ALAMEDA COUNTY, CAL. (EXCLUSIVE OF OAKLAND).

Last case of human plague sickened 2 miles southwest of Sunol September 26, 1909. Last plague-infected rodent found March 8, 1910. To the present time 70 ground squirrels and 1 wood rat have been found infected.

Week ended March 19. Ranches inspected, 19. Ground squirrels shot, 136. Gophers trapped, 116. Weasels trapped, 3. Acres covered with poison, 124. Examined bacteriologically, 136 squirrels, 116 gophers, 3 weasels. Four plague-infected squirrels found.

The plague-infected squirrels were found in Oakland Township.

#### FRESNO COUNTY, CAL.

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

Week ended March 19. Ranches inspected, 29. Ground squirrels shot, 573. Ground squirrels examined bacteriologically, 570. No plague-infected squirrels found.

#### MADERA COUNTY, CAL.

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

Week ended March 19. Ranches inspected, 9. Ground squirrels shot, 265. Ground squirrels examined bacteriologically, 261. No plague-infected squirrels found.

#### MERCED COUNTY, CAL.

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

Week ended March 19. Ranches inspected, 7. Ground squirrels shot, 223. Rabbits shot, 30. Examined bacteriologically, 219 squirrels and 30 rabbits. No plague infection found.

#### MONTEREY COUNTY, CAL.

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

Week ended March 19. Ranches inspected, 35. Ground squirrels shot, 399; found dead, 4. Ground squirrels examined bacteriologically, 400. No plague-infected squirrels found.

#### RIVERSIDE COUNTY, CAL.

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

Week ended March 19. Ground squirrels shot, 4. Ground squirrels examined bacteriologically, 4. No plague-infected squirrel found.

#### SAN MATEO COUNTY, CAL.

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

Week ended March 19. Ranches inspected, 5. Ground squirrels shot, 107. Ground squirrels examined bacteriologically, 101. No plague-infected squirrels found.

#### SANTA BARBARA COUNTY, CAL.

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

Week ended March 19. Ranches inspected, 25. Ground squirrels shot, 205. Ground squirrels examined bacteriologically, 203. 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 March 19. Ranches inspected, 37. Ground squirrels shot, 139. Ground squirrels examined bacteriologically, 136. 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 March 19. Ranches inspected, 19. Ground squirrels shot, 144. Ground squirrels examined bacteriologically, 144. No plague-infected squirrels found.

**TULARE COUNTY, CAL.**

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

Week ended March 19. Ranches inspected, 134. Ground squirrels shot, 472; found dead, 1. Rabbits shot, 13. Examined bacteriologically, 470 squirrels and 13 rabbits. No plague infection found.

**VENTURA COUNTY, CAL.**

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

Week ended March 19. Ranches inspected, 6. Ground squirrels shot, 69; found dead, 1. Ground squirrels examined bacteriologically, 70. No plague-infected squirrels found.

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**BERIBERI IN SOUTH CAROLINA.**

Acting Assistant Surgeon Sams at Charleston reports, March 27:

An outbreak of beriberi has occurred among the colored convicts in camp at Ten Mile hill, about 10 miles from Charleston, S. C. There have been similar cases noted twice during the last 5 years at this and a like camp situated about the same distance from Charleston, but separated from the Ten Mile hill stockade by the Ashley River.

Through the courtesy of the attending surgeon I was permitted to visit the stockade to-day, examine the patients, and learn the history of the majority of the cases.

The location of the stockade is on a dry, sandy elevation, well drained, and open to a plentiful supply of fresh air and sunshine. The water for drinking purposes and for bathing is a good potable water, the same as is piped to Charleston. Flush closets are used to avoid soil pollution. The sleeping quarters are in a building about 100 by 30 feet, with high ceiling, a number of ventilators and windows, and a heavy wooden floor, the sleeping bunks being elevated several feet from the ground, open on all sides except the back, which is against the side of the building. Heating is by means of wood-burning stoves. In my opinion the location is good, and accommodations are all that is to be desired in regard to space, ventilation, and dryness.

The guards, who are white, occupy a part of the same building, only a hallway dividing their sleeping quarters from those of the convicts, yet their health has remained good. The food given the convicts is stated to be good and sufficient in quantity and quality, the usual cereals, fresh vegetables, meat daily, salt and fresh on alternating days. The guards have practically the same rations.

There are at present 31 convicts in the camp, all young adults. Of these 17 are ill, all taken sick within the present month, and one-half of this number within the last week.

The most marked symptoms were dropsy, œdema of chest wall, and swollen legs. Edematous scrotum and penis present in some instances, the penis corkscrew in shape from swelling. Some had immensely swollen abdomens and thighs. Dyspnoea was marked in the bad cases. All had a tired dragging gait in walking, with diminished or lost patellar reflex. Dilated right heart, cardiac murmurs, and tachycardia on exertion were also noted. No fever present nor albumin in urine. Appetite remained good. No throat symptoms, but coated tongues in about one-third of the cases examined. No anæsthesia of skin. No tenderness on pressure over tibias, but soreness under knees. No paralysis. The œdema had a hard, brawny feel, only slightly pitting on firm pressure. Patients seem to feel very ill and despondent.

The history as given by them was of a sudden attack, generally after working in the ditches in fresh water, especially in certain localities. First there was pain in legs, most marked under knees, a heavy tired feeling, so that they wanted to rest, followed by rapid swelling of legs, which soon spread to thighs, face, chest, etc.

Vomiting preceded the attack in one case only. The rapidity of the invasion was the most noticeable feature. One case suddenly taken sick at work became so swollen before returning to the camp that the inner surfaces of the thighs became excoriated from walking. The case terminated fatally in 3 days.

There have been 2 deaths during the present outbreak, apparently from heart paralysis. Six deaths occurred prior to these, however, making a total mortality of 8 since the disease was first observed. No paralytic or ataxic cases were noted, that stage probably not having been yet reached.

The hard, brawny œdema commencing in legs, pains under knees, muscular weakness, diminished or absent knee jerk, no albuminuria, general anasarca and cardiac conditions, together with the suddenness of attack and rapidity of spread are, I believe, sufficiently characteristic of this disease to confirm the diagnosis.

Passed Assistant Surgeon Long at Columbia reports, March 30:

Examined 14 prisoners in state penitentiary; found 8 undoubted cases of beriberi. Patients had worked in drainage canals in Charleston County. No history of rice as food.

The diagnosis of these cases was confirmed by Doctor Long and Dr. C. F. Williams, state health officer.



## SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended April 8, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Montgomery .....	Mar. 20-26.....	14		
Arkansas:				
Monticello.....	Year 1909.....	60		
California:				
San Francisco.....	Mar. 13-19.....	1		
District of Columbia.....	Mar. 20-26.....	7		
Florida:				
Duval County.....	Mar. 20-26.....	3		
Escambia County.....	Mar. 20-26.....	7		
Jackson County.....	Mar. 20-26.....	19		
Jefferson County.....	Mar. 20-26.....	15		
Leon County.....	Mar. 20-26.....	23		
Santa Rosa.....	Mar. 20-26.....	3		
Louisiana:				
New Orleans.....	Mar. 20-26.....	8		
Missouri:				
St. Louis.....	Mar. 20-26.....	2		
Oklahoma, general.....	Feb. 1-28.....	388	28	
Tennessee:				
Chattanooga.....	Mar. 20-26.....	4		
Knoxville.....	Mar. 20-26.....	5		
Memphis.....	Mar. 20-26.....	11		
Nashville.....	Mar. 20-26.....	1		
Texas:				
San Antonio.....	Feb. 13-Mar. 26..	16		
Utah:				
Boxelder County.....	Feb. 1-28.....	3		
Cache County.....	Feb. 1-28.....	1		
Davis County.....	Feb. 1-28.....	16		
Juab County.....	Feb. 1-28.....	4		
Rich County.....	Feb. 1-28.....	1		
Salt Lake County.....	Feb. 1-28.....	22		
San Pete County.....	Feb. 1-28.....	1		
Sevier County.....	Feb. 1-28.....	5		
Uintah County.....	Feb. 1-28.....	9		
Utah County.....	Feb. 1-28.....	18		
Wasatch County.....	Feb. 1-28.....	3		
Weber County.....	Feb. 1-28.....	8		
Virginia:				
Lynchburg.....	Mar. 20-26.....	5		
Washington:				
Asotin County.....	Jan. 1-31.....	1		
Chelan County.....	Feb. 1-28.....	1		
Columbia County.....	Feb. 1-28.....	4		
Cowlitz County.....	Feb. 1-28.....	2		
Franklin County.....	Jan. 1-31.....	2		
King County.....	Jan. 1-31.....	5		
Kitsap County.....	Feb. 1-28.....	3	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		
San Juan County.....	Jan. 1-31.....	1		
Skagit County.....	Jan. 1-Feb. 28..	31		
Spokane County.....	Jan. 1-31.....	2		
Stevens County.....	Jan. 1-31.....	3		
Walla Walla County.....	Jan. 1-Feb. 28..	29		
Whatcom County—				
Bellingham.....	Feb. 1-28.....	3	1	
Whitman County.....	Jan. 1-Feb. 28..	21		
Yakima County.....	Jan. 1-31.....	6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 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-Feb. 12. ....	19		
Mobile .....	Jan. 16-Mar. 19. ....	9		
Montgomery .....	Dec. 19-Mar. 19. ....	409	1	
Total for State .....		437	1	
<b>Arkansas:</b>				
Argenta .....	Jan. 22-Feb. 12. ....	11		
Little Rock .....	Jan. 1-Mar. 12. ....	92		
Lonoke .....	Jan. 6-20. ....	2		
Total for State .....		105		
<b>California:</b>				
Berkeley .....	Dec. 26-Jan. 1. ....	1		
Los Angeles .....	Jan. 12-Feb. 12. ....	4		
Oakland .....	Dec. 26-Jan. 1. ....	1		
Sacramento County .....	Jan. 1-31. ....		1	
Sacramento .....	Dec. 12-Feb. 28. ....	54		
San Francisco .....	Dec. 19-Mar. 12. ....	19		
Total for State .....		79	1	
<b>Colorado:</b>				
Bent County .....	Feb. 1-28. ....	10		
Boulder County—				
Boulder .....	Dec. 19-25. ....	1		
Chaffee County .....	Jan. 1-31. ....	6		
Conejos County .....	Jan. 1-Feb. 28. ....	29		
Denver County .....	Jan. 1-Feb. 28. ....	18		
Fremont County .....	Feb. 1-28. ....	14		
Garfield County .....	Jan. 1-31. ....	1		
Huerfano County .....	Jan. 1-Feb. 28. ....	12		
Jefferson County .....	Feb. 1-28. ....	1		
La Plata County .....	Feb. 1-28. ....	4		
Larimer County .....	Jan. 1-31. ....	4		
Las Animas County .....	Jan. 1-Feb. 28. ....	14		
Logan County .....	Jan. 1-Feb. 28. ....	17		
Mesa County .....	Jan. 1-31. ....	4		
Fruita district .....	Dec. 26-Jan. 1. ....	3		
Montrose County .....	Jan. 1-Feb. 28. ....	19		
Morgan County .....	Jan. 1-Feb. 28. ....	16		
Otero County .....	Jan. 1-31. ....	1		
Ouray County .....	Jan. 1-Feb. 28. ....	13		
Pitkin County .....	Feb. 1-28. ....	5		
Pueblo County .....	Feb. 1-28. ....	2		
Rio Grande County .....	Feb. 1-28. ....	1		
San Miguel County .....	Jan. 1-31. ....	1		
Summit County .....	Jan. 1-31. ....	1		
Weld County .....	Jan. 1-Feb. 28. ....	21		
Total for State .....		218		
District of Columbia .....	Dec. 19-Mar. 5. ....	21		
Total for District .....		21		
<b>Florida:</b>				
Alachua County .....	Jan. 1-Feb. 26. ....	3		
Columbia County .....	Feb. 13-19. ....	2		
Duval County .....	Jan. 1-Feb. 28. ....	2		
Jacksonville .....	Jan. 30-Mar. 12. ....	4		
Escambia County .....	Feb. 6-Mar. 5. ....	31		
Pensacola .....	Feb. 20-26. ....	1		
Gadsden County .....	Jan. 1-31. ....	2		
Hillsboro County .....	Jan. 1-31. ....	1		
Leon County .....	Feb. 20-26. ....	1		
Liberty County .....	Jan. 1-31. ....	1		
Volusia County .....	Mar. 6-12. ....	1		
Walton County .....	Jan. 1-31. ....	3		
Total for State .....		52		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Georgia:</b>				
Macon .....	Jan. 1-31 .....	51		
Total for State .....		51		
<b>Illinois:</b>				
Alexander County .....	Jan. 1-31 .....	6		
Cass County .....	Feb. 1-28 .....	1		
Coles County .....	Jan. 1-31 .....	4		
Cook County—				
Chicago .....	Dec. 19-Feb. 28 .....	3		
Dupage County .....	Feb. 1-28 .....			Present.
Edwards County .....	Jan. 1-Feb. 28 .....	29		
Effingham County .....	Jan. 1-Feb. 28 .....	82		
Fayette County .....	Jan. 1-Feb. 28 .....	2		
Franklin County .....	Jan. 1-31 .....	6		
Gallatin County .....	Feb. 1-28 .....	2		
Iroquois County .....	Feb. 1-28 .....	1		
Jackson County .....	Jan. 1-Feb. 28 .....	3		
Jasper County .....	Feb. 1-28 .....			Do.
Kane County .....	Jan. 1-31 .....	1		
Livingston County .....	Feb. 1-28 .....	3		
Macon County .....	Jan. 1-31 .....	1		
McLean County .....	Jan. 1-31 .....	1		
Madison County .....	Feb. 1-28 .....	1		
Marion County .....	Feb. 1-28 .....	2		
Montgomery County .....	Jan. 1-Feb. 28 .....	10		
Pike County .....	Feb. 1-28 .....	2		
Pulaski County .....	Jan. 1-31 .....	2		
Sangamon County .....	Jan. 1-31 .....	4		Do.
Shelby County .....	Jan. 1-Feb. 28 .....	10		
Wabash County .....	Jan. 1-31 .....			Do.
Wayne County .....	Jan. 1-31 .....	5		
Williamson County .....	Jan. 1-Feb. 28 .....	23		
Total for State .....		204		
<b>Indiana:</b>				
Adams County .....	Oct. 1-31 .....	4		
Allen County .....	Oct. 1-Jan. 31 .....	180	1	
Carroll County .....	Nov. 1-Jan. 21 .....	2		
Clark County .....	Dec. 1-Jan. 31 .....	20		
Clinton County .....	Dec. 1-Jan. 31 .....	28		
Crawford County .....	Jan. 1-31 .....	1		
Daviess County .....	Nov. 1-Jan. 31 .....	28		
Decatur County .....	Jan. 1-31 .....	3		
DeKalb County .....	Dec. 1-Jan. 31 .....	3		
Delaware County .....	Oct. 1-Nov. 30 .....	20		
Fountain County .....	Jan. 1-31 .....	1		
Fulton County .....	Jan. 1-31 .....	4		
Grant County .....	Oct. 1-Jan. 31 .....	35		
Greene County .....	Oct. 1-31 .....	6		
Hamilton County .....	Jan. 1-31 .....	4		
Henry County .....	Jan. 1-31 .....	2		
Huntington County .....	Jan. 1-31 .....	1		
Jefferson County .....	Nov. 1-30 .....	1		
Jennings County .....	Jan. 1-31 .....	6		
Knox County .....	Oct. 1-31 .....	7		
Laporte County .....	Dec. 1-31 .....	1		
Madison County .....	Jan. 1-31 .....	3		
Marion County .....	Dec. 1-Jan. 31 .....	3		
Marshall County .....	Oct. 1-Jan. 31 .....	80		
Martin County .....	Jan. 1-31 .....	1		
Miami County .....	Jan. 1-31 .....	3		
Montgomery County .....	Jan. 1-31 .....	2		
Noble County .....	Nov. 1-Jan. 31 .....	2		
Randolph County .....	Oct. 1-31 .....	1		
St. Joseph County .....	Oct. 1-Jan. 31 .....	21		
Shelby County .....	Dec. 1-Jan. 31 .....	33		
Steuben County .....	Nov. 1-30 .....	3		
Tippecanoe County .....	Dec. 1-Jan. 31 .....	3		
Vanderburg County .....	Oct. 1-31 .....	8		
Warren County .....	Nov. 1-30 .....	1		
Washington County .....	Jan. 1-31 .....	1		
Wayne .....	Nov. 1-Jan. 31 .....	1		
Total for State .....		523	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general.....	Jan. 1-31.....	19		
Buchanan County.....	Feb. 1-28.....	8		
Buena Vista County.....	Jan. 1-31.....	1		
Calhoun County.....	Jan. 1-31.....	10		
Cass County.....	Jan. 1-31.....	1		
Cedar County.....	Jan. 1-31.....	3		
Cherokee County.....	Jan. 1-31.....	24		
Clayton County.....	Jan. 1-31.....	1		
Dallas County.....	Jan. 1-31.....	1		
Delaware County.....	Feb. 1-28.....	4		
Dubuque County.....	Jan. 1-Feb. 28.....	40		
Floyd County.....	Feb. 1-28.....	2		
Grundy County.....	Feb. 1-28.....	4		
Jones County.....	Jan. 1-Feb. 28.....	3		
Linn County.....	Jan. 1-31.....	7		
Cedar Rapids.....	Dec. 1-31.....	1		
Madison County.....	Jan. 1-31.....	1		
Marion County.....	Jan. 1-31.....	2		
Marshall County.....	Jan. 1-Feb. 28.....	5		
Mitchell County.....	Feb. 1-28.....	1		
Monroe County.....	Jan. 1-Feb. 28.....	3		
Folk County.....	Jan. 1-Feb. 28.....	41		
Pottawattamie County.....	Jan. 1-31.....	1		
Poweshiek County.....	Jan. 1-31.....	6		
Scott County.....	Feb. 1-28.....	2		
Sioux County.....	Jan. 1-Feb. 28.....	17		
Story County.....	Feb. 1-28.....	17		
Winnebago County.....	Feb. 1-28.....	5		
Woodbury County.....	Feb. 1-28.....	1		
Sioux City.....	Dec. 1-31.....	2		
Wright County.....	Feb. 1-28.....	1		
Total for State.....		240		
Kansas:				
Allen County.....	Jan. 1-31.....	1		
Barton County.....	Jan. 1-31.....	1		
Bourbon County.....	Jan. 1-31.....	3		
Cherokee County.....	Jan. 1-31.....	8		
Clay County.....	Nov. 1-30.....	1		
Cloud County.....	Nov. 1-30.....	1		
Cowley County.....	Nov. 1-30.....	3		
Crawford County.....	Dec. 1-Jan. 31.....	4		
Pittsburg.....	Jan. 1-31.....	1		
Decatur County.....	Nov. 1-Jan. 31.....	21		
Dickinson County.....	Jan. 1-31.....	4		
Douglas County.....	Dec. 1-31.....	1		
Ellsworth County.....	Jan. 1-31.....	14		
Finney County.....	Jan. 1-31.....	1		
Ford County.....	Jan. 1-31.....	6		
Gove County.....	Dec. 1-31.....	3		
Graham County.....	Nov. 1-Jan. 31.....	40		
Gray County.....	Jan. 1-31.....	18		
Hamilton County.....	Jan. 1-31.....	2		
Jackson County.....	Dec. 1-31.....	5		
Jewell County.....	Nov. 1-Jan. 31.....	44		
Kearny County.....	Jan. 1-31.....	1		
Kiowa County.....	Jan. 1-31.....	2		
Labette County.....	Jan. 1-31.....	5		
Lane County.....	Nov. 1-30.....	1		
Leavenworth County.....	Dec. 1-31.....	1		
Logan County.....	Jan. 1-31.....	2		
Lyon County.....	Dec. 1-31.....	1		
McPherson County.....	Dec. 1-Jan. 31.....	3		
Marshall County.....	Dec. 1-31.....	20		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Nov. 1-Jan. 31.....	109		
Coffeyville.....	Jan. 1-31.....	11		
Nemaha County.....	Jan. 1-31.....	1		
Neosho County.....	Jan. 1-31.....	1		
Ness County.....	Dec. 1-Jan. 31.....	8		
Norton County.....	Nov. 1-Jan. 31.....	38		
Osage County.....	Jan. 1-31.....	11		
Phillips County.....	Jan. 1-31.....	3		
Pottawatomie County.....	Nov. 1-Dec. 31.....	6		
Rawlins County.....	Jan. 1-31.....	5		
Reno County.....	Nov. 1-Jan. 31.....	123		
Rice County.....	Jan. 1-31.....	1		
Riley County.....	Jan. 1-31.....	17		
Rush County.....	Jan. 1-31.....	5		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
Russell County	Jan. 1-31	1		
Saline County	Dec. 1-31	1		
Scott County	Nov. 1-31	11		
Sedgewick County	Nov. 1-31	2	1	
Wichita	Dec. 1-31	1		
Shawnee County	Jan. 1-31	12		
Topeka	Dec. 1-31	9		
Sheridan County	Nov. 1-Jan. 31	8		
Smith County	Nov. 1-Jan. 31	2		
Sumner County	Jan. 1-31	11		
Thomas County	Nov. 1-Jan. 31	1		
Wabaunsee County	Nov. 1-30	3		
Wilson County	Nov. 1-Jan. 31	3		
Woodson County	Jan. 1-31	25		
Wyandotte County	Dec. 1-Jan. 31	91		
Kansas City	Jan. 1-31	39		
Total for State		780	1	
<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>				
Caddo Parish—				
Shreveport	Jan. 23-Feb. 28	5	2	
Iberia Parish	Feb. 1-28	1		
Natchitoches Parish	Feb. 1-28	6		
Orleans Parish—				
New Orleans	Dec. 26-Mar. 19	86		
Morehouse Parish	Feb. 1-28	2		
St. John Parish	Feb. 1-28	6		
Tensas Parish	Feb. 1-28	13		
Total for State		119	2	
<b>Maryland:</b>				
Baltimore	Dec. 26-Jan. 1	1		
Dorchester County	Dec. 3-31	4		
Garrett County	Jan. 8-31	1		
Total for State		6		
<b>Massachusetts:</b>				
Bristol County	Feb. 1-28	6		
Essex County	Jan. 1-31	1		
Middlesex County	Jan. 1-Feb. 28	76		
Lynn County	Jan. 1-31	4		
Plymouth County	Feb. 1-28	4		
Suffolk County	Jan. 1-Feb. 28	3		
Worcester County	Jan. 1-Feb. 28	22		
Total for State		116		
<b>Michigan:</b>				
Alcona County	Nov. 1-Jan. 31	26		
Antrim County	Nov. 1-Feb. 28	33		
Arenac County	Nov. 1-Feb. 28	136		
Bay County	Nov. 1-Feb. 28	83		
Berrien County	Jan. 1-Feb. 28	21		
Calhoun County	Feb. 1-28	1		
Cass County	Feb. 1-28	1		
Clare County	Feb. 1-28	1		
Delta County	Dec. 1-31	1		
Eaton County	Feb. 1-28	1		
Emmet County	Nov. 1-Feb. 28	4		
Genesee County	Nov. 1-Feb. 28	264		
Gladwin County	Nov. 1-Jan. 31	8		
Gratiot County	Nov. 1-30	1		
Houghton County	Nov. 1-Feb. 28	54		
Huron County	Feb. 1-28	6		
Ingham County	Dec. 1-Feb. 28	11		
Ionia County	Nov. 1-Feb. 28	40		
Iosco County	Dec. 1-Feb. 28	3	1	
Kent County	Dec. 1-Feb. 28	5		
Keweenaw County	Jan. 1-Feb. 28	3		
Lapeer County	Nov. 1-Feb. 28	7		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan—Continued.</b>				
Livingston County.....	Nov. 1-Jan. 31.....	18		
Manistee County.....	Feb. 1-28.....	8		
Marquette County.....	Nov. 1-30.....	1		
Mason County.....	Nov. 1-30.....	1		
Mecosta County.....	Jan. 1-Feb. 28.....	11		
Midland County.....	Dec. 1-Feb. 28.....	11		
Missaukee County.....	Jan. 1-Feb. 28.....	33		
Montcalm County.....	Nov. 1-Feb. 28.....	5		
Montmorency County.....	Dec. 1-Feb. 28.....	36		
Oakland County.....	Jan. 1-31.....	1		
Oceana County.....	Jan. 1-31.....	1		
Ogemaw County.....	Jan. 1-Feb. 28.....	6		
Ontonagon County.....	Nov. 1-Feb. 28.....	12		
Osceola County.....	Dec. 1-Feb. 28.....	14		
Oscoda County.....	Jan. 1-Feb. 28.....	7		
Otsego County.....	Dec. 1-31.....	1		
Presque Isle County.....	Dec. 1-Jan. 31.....	2		
Roscommon County.....	Jan. 1-31.....	6		
Saginaw County.....	Dec. 1-Feb. 28.....	53		
St. Clair County.....	Jan. 1-Feb. 28.....	16		
Sanilac County.....	Nov. 1-Feb. 28.....	3		
Shiawassee County.....	Dec. 1-Feb. 28.....	8		
Tuscola County.....	Feb. 1-28.....	3		
Wayne County.....	Dec. 1-Feb. 28.....	8		
Total for State.....		975	1	
<b>Minnesota:</b>				
Anoka County.....	Feb. 1-28.....	5		
Becker County.....	Jan. 4-10.....	3		
Beltrami County.....	Dec. 21-Feb. 14.....	3		
Benton County.....	Dec. 14-20.....	7		
Blue Earth County.....	Dec. 21-27.....	1		
Carver County.....	Dec. 7-Jan. 3.....	4		
Chippewa County.....	Jan. 11-17.....	1		
Chisago County.....	Feb. 15-21.....	2		
Cook County.....	Jan. 25-31.....	2		
Dakota County.....	Feb. 1-28.....	4		
Dodge County.....	Jan. 25-31.....	1		
Faribault County.....	Feb. 8-14.....	1		
Freeborn County.....	Jan. 18-Feb. 28.....	18		
Goodhue County.....	Dec. 28-Jan. 31.....	1		
Hennepin County.....	Dec. 28-Feb. 28.....	38		
Houston County.....	Feb. 8-14.....	4		
Isanti County.....	Feb. 21-28.....	1		
Itasca County.....	Dec. 14-Feb. 28.....	2		
Kandiyohi County.....	Dec. 7-13.....	1		
Koochiching County.....	Feb. 1-7.....	1		
Lake County.....	Jan. 18-Feb. 28.....	8		
Mower County.....	Dec. 28-Feb. 28.....	26		
Nicollet County.....	Feb. 15-21.....	1		
Nobles County.....	Jan. 18-25.....	1		
Norman County.....	Jan. 18-25.....	2		
Olmsted County.....	Feb. 8-14.....	1		
Ottertail County.....	Dec. 21-Feb. 28.....	24		
Pine County.....	Feb. 22-28.....	1		
Polk County.....	Dec. 7-13.....	1		
Ramsey County.....	Jan. 11-Feb. 28.....	6		
Red Lake County.....	Dec. 7-Feb. 14.....	4		
Renville County.....	Dec. 7-13.....	1		
Rice County.....	Jan. 11-17.....	1		
Rock County.....	Dec. 7-Feb. 21.....	22		
Roseau County.....	Dec. 7-Feb. 28.....	32		
St. Louis County.....	Dec. 7-Feb. 28.....	21		
Sherburne County.....	Jan. 11-17.....	1		
Sibley County.....	Dec. 28-Feb. 28.....	9		
Stearns County.....	Feb. 1-21.....	4		
Swift County.....	Feb. 8-21.....	3		
Todd County.....	Dec. 28-Jan. 31.....	1		
Wabasha County.....	Dec. 13-Feb. 21.....	29		
Wadena County.....	Feb. 1-21.....	15		
Wilkin County.....	Feb. 15-21.....	1		
Watonwan County.....	Dec. 28-Jan. 31.....	1		
Wright County.....	Dec. 7-Feb. 28.....	41		
Yellow Medicine County.....	Feb. 22-28.....	9		
Total for State.....		366		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910,

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Mississippi:</b>				
Biloxi.....	Jan. 2-Feb. 3.....	5		
Gulfport.....	Jan. 28-Mar. 9.....	9		
Holly Springs.....	Jan. 2-29.....	6		
Marshall County.....	Jan. 30-Mar. 5.....	4	1	
Natchez.....	Dec. 26-Feb. 26.....	90	2	
Claiborne County— Port Gibson.....	Dec. 19-25.....	1		
Woodville.....	Feb. 27-Mar. 19.....	27	1	
Total for State.....		142	4	
<b>Missouri:</b>				
Andrew County.....	Jan. 23-Feb. 26.....	5		
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-Feb. 19.....	16	1	
St. Joseph.....	Jan. 2-Feb. 5.....	7		
St. Louis.....	Dec. 26-Mar. 12.....	23		
Springfield.....	Jan. 1-31.....	4		
Total for State.....		56	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. 1-28.....	1		
Dawson County.....	Nov. 1-Jan. 31.....	6		
Deerlodge County.....	Feb. 1-28.....	1		
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-Feb. 28.....	73		
Park County.....	Nov. 1-Jan. 31.....	14		
Powell County.....	Nov. 1-Feb. 28.....	2		
Ravalli County.....	Nov. 1-Feb. 28.....	5		
Sanders County.....	Jan. 1-Feb. 28.....	4		
Silverbow County.....	Oct. 1-Feb. 28.....	190		
Butte.....	Dec. 19-31.....	14		
Yellowstone County.....	Jan. 1-31.....	2		
Total for State.....		371		
<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		
Passaic County.....	Jan. 1-31.....	1		
Trenton.....	Jan. 30-Feb. 5.....	1		
Total for State.....		3		
<b>New York (entire State).....</b>				
	Sept. 1-Nov. 30.....	33	1	
Cattaraugus County.....	Dec. 1-31.....	1		
Cayuga County.....	Dec. 1-31.....	1		
Erle County.....	Dec. 1-31.....	17		
Jefferson County.....	Dec. 1-31.....	1		
Lewis County.....	Dec. 1-Jan. 31.....	2		
Niagara County.....	Dec. 1-Jan. 31.....	40		
Onondaga County.....	Dec. 1-Jan. 31.....	2		
St. Lawrence County.....	Jan. 1-31.....	9		
Ulster County.....	Jan. 1-31.....	2		
Westchester County.....	Jan. 1-31.....	1		
Total for State.....		109	1	
<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 April 1, 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		
Currituck County	Oct. 1-Feb. 28	5		
Davidson County	Oct. 1-Feb. 28	50		
Davie County	Jan. 1-Feb. 28	29		
Duplin County	Nov. 1-Feb. 28	24		
Durham County	Jan. 1-31	3		
Edgecombe County	Jan. 1-Feb. 28	24		
Forsyth County	Oct. 1-Feb. 28	101		
Franklin County	Oct. 1-Feb. 28	185		
Gaston County	Nov. 1-Feb. 28	26		
Greene County	Nov. 1-Feb. 28	50		
Guilford County	Nov. 1-Feb. 28	112		
Iredell County	Jan. 1-Feb. 28	5		
Johnston County	Nov. 1-Jan. 31	23		
Jones County	Oct. 1-Nov. 30	12		
Lee County	Feb. 1-28	3		
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>				
Billings County	Jan. 1-Feb. 28	11		
Bottineau County	Oct. 1-31	1		
Cass County	Dec. 1-31	1		
Grand Forks County	Jan. 1-Feb. 28	1		
McLean County	Dec. 1-Jan. 31	4		
Nelson County	Feb. 1-28	12		
Steele County	Feb. 1-28	6		
Williams County	Feb. 1-28	6		
Walsh County	Jan. 1-31	39		
Total for State		82		
<b>Ohio:</b>				
Allen County	Jan. 1-Feb. 28	26		
Adams County	Jan. 1-31	1		
Auglaize County	Feb. 1-28	8		
Belmont County	Jan. 1-Feb. 28	7		
Brown County	Jan. 1-Feb. 28	19		
Clermont County	Jan. 1-31	1		
Cuyahoga County—				
Cleveland	Dec. 19-26	1		
Darke County	Jan. 1-31	3		
Franklin County	Jan. 1-Feb. 28	7		
Hamilton County	Jan. 1-Feb. 28	7		
Jackson County	Jan. 1-Feb. 28	36		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Ohio—Continued.</b>				
Knox County.....	Feb. 1-28.....	1		
Miami County.....	Jan. 1-Feb. 28.....	2		
Montgomery County.....	Jan. 1-Feb. 28.....	3		
Portage County.....	Feb. 1-28.....	10		
Ross County.....	Jan. 1-31.....	16		
Scioto County.....	Feb. 1-28.....	3		
Seneca County.....	Feb. 1-28.....	3		
Shelby County.....	Jan. 1-Feb. 28.....	7		
Van Wert County.....	Jan. 1-Feb. 28.....	27		
Wayne County.....	Jan. 1-31.....			
Williams County— Stryker.....	Dec. 19-25.....	1		
Wyandot County.....	Feb. 1-28.....	4		
Total for State.....		189		
<b>Oklahoma:</b>				
Beckham County.....	Nov. 1-30.....	1		
Blaine County.....	Dec. 1-31.....	7		
Coal County.....	Aug. 1-Sept. 30.....	10		
Comanche County.....	Nov. 1-30.....	1		
Creek County.....	Oct. 1-Nov. 30.....	3		
Garfield County.....	Nov. 1-30.....	1		
Grant County.....	Aug. 1-31.....	1		
Harmon County.....	Aug. 1-31.....	2		
Hughes County.....	Aug. 1-31.....	3		
Jackson County.....	Aug. 1-Nov. 30.....	19		
Kingfisher County.....	Oct. 1-31.....	2		
Le Flore County.....	Oct. 1-31.....	1		
Lincoln County.....	Aug. 1-31.....	3		
McIntosh County.....	Sept. 1-30.....	2		
Marshall County.....	Oct. 1-31.....	1		
Muskogee County.....	Oct. 1-31.....	1		
Okfuskee County.....	Oct. 1-31.....	1		
Oklahoma County.....	Aug., Sept., and Nov.....	14	1	
Osage County.....	Sept. 1-Oct. 31.....	9		
Pawnee County.....	Aug. 1-31.....	1		
Pottawatomie County.....	Sept. 1-Nov. 30.....	41		
Pushmataha County.....	Sept. 1-30.....	1		
Seminole County.....	Oct. 1-Nov. 30.....	7		
Sequoyah County.....	Aug. 1-Sept. 30.....	2		
Tulsa County.....	Nov. 1-30.....	3		
Washington County.....	Nov. 1-30.....	1		
Woodward County.....	Nov. 1-30.....	1		
Total for State.....		139	1	
<b>Oregon (entire State).....</b>				
Portland.....	Sept. 1-Dec. 31.....	89		
Portland.....	Nov. 1-30.....	2		
Total for State.....		91		
<b>Pennsylvania (entire State).....</b>				
Dec. 1-Feb. 28.....		57		
<b>South Carolina:</b>				
Clover.....	Jan. 23-29.....	3		
Total for State.....		3		
<b>Tennessee:</b>				
Davidson County— Nashville.....	Feb. 20-Mar. 19.....	4		
DeKalb County.....	Dec. 12-Jan. 1.....	9		
Hamilton County— Chattanooga.....	Dec. 26-Mar. 19.....	57		
Knox County— Knoxville.....	Jan. 2-Mar. 5.....	44		
Shelby County.....	Nov. 1-Jan. 31.....	28		
Memphis.....	Nov. 1-Mar. 19.....	166		
Washington County.....	Dec. 26-Feb. 5.....	11		
Total for State.....		319		
<b>Texas:</b>				
Amarillo.....	Jan. 16-22.....	16		
Atascosa County.....	Jan. 31-Feb. 19.....	6		
Denton County.....	Dec. 26-Feb. 27.....	106	15	
El Paso.....	Nov. 1-Jan. 22.....	5	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to April 1, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Texas—Continued.</b>				
Fort Worth.....	Nov. 1—Feb. 28.....	52	4	
Galveston.....	Feb. 6—Mar. 19.....	5	1	
Hale County.....	Jan. 9-15.....	7		
Normanna.....	Jan. 1-31.....	12	5	
Rockdale.....	Feb. 12-19.....	3		
San Antonio.....	Dec. 5—Feb. 12.....	16	1	
Taylor.....	Feb. 27—Mar. 19.....	2		
Waco.....	Jan. 1—Feb. 28.....	3		
Walnut Springs.....	Jan. 12-18.....	2		
Wills Point.....	Jan. 1—Feb. 28.....	5	2	
<b>Total for State.....</b>		<b>240</b>	<b>29</b>	
<b>Utah:</b>				
Boxelder County.....	Dec. 1—Jan. 31.....	46		
Cache County.....	Dec. 1—Jan. 31.....	21		
Carbon County.....	Dec. 1—Jan. 31.....	6		
Davis County.....	Dec. 1—Jan. 31.....	28		
Juab County.....	Jan. 1-31.....	16		
Piute County.....	Jan. 1-31.....	1		
Rich County.....	Jan. 1-31.....	1		
Salt Lake County.....	Dec. 1—Jan. 31.....	68		
Sanpete County.....	Dec. 1—Jan. 31.....	9		
Sevier County.....	Dec. 1—Jan. 31.....	3		
Summit County.....	Jan. 1-31.....	12		
Tooele County.....	Dec. 1-31.....	1		
Uintah County.....	Dec. 1—Jan. 31.....	21		
Utah County.....	Dec. 1—Jan. 31.....	69		
Wasatch County.....	Dec. 1—Jan. 31.....	7	1	
Weber County.....	Dec. 1—Jan. 31.....	28		
<b>Total for State.....</b>		<b>337</b>	<b>1</b>	
<b>Virginia:</b>				
Lynchburg.....	Jan. 30—Mar. 19.....	35	1	
Petersburg.....	Dec. 26—Jan. 26.....	2		
Portsmouth.....	Jan. 16-29.....	2		
Richmond.....	Dec. 1-31.....	1		
<b>Total for State.....</b>		<b>40</b>	<b>1</b>	
<b>Washington:</b>				
Kitsap County.....	Jan. 1-31.....	1		
Seattle.....	Jan. 2-31.....	7		
Spokane.....	Dec. 19—Feb. 28.....	57		
Tacoma.....	Jan. 2—Feb. 28.....	4		
Wahkiakum County.....	Dec. 1-31.....	8		
<b>Total for State.....</b>		<b>77</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>				
Buffalo County.....	Feb. 1-28.....	3		
Chippewa County.....	Jan. 1-31.....	3		
Clark County.....	Jan. 1—Feb. 28.....	14		
Crawford County.....	Feb. 1-28.....	7		
Dane County.....	Feb. 1-28.....	1		
Douglas County.....	Jan. 1—Feb. 28.....	13		
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—Feb. 28.....	14		
La Crosse.....	Dec. 19—Jan. 1.....	2		
Langlade County.....	Jan. 1—Feb. 28.....	3		
Milwaukee County.....	Jan. 1—Feb. 28.....	19		
Milwaukee.....	Dec. 19—Jan. 1.....	2		
Price County.....	Feb. 1-28.....	1		
Walworth County.....	Feb. 1-28.....	1		
Winnebago County.....	Jan. 1-31.....	2		
<b>Total for State.....</b>		<b>112</b>		
<b>Grand total for the United States.....</b>		<b>8,898</b>	<b>46</b>	

## MORBIDITY AND MORTALITY.

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

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Mar. 26	50,814	11					1				2			
Ann Arbor, Mich.	Mar. 19	14,711	7	3				1							
Baltimore, Md.	Mar. 26	576,026	148	37	6	4	30	4	13			28		28	1
Bayonne, N. J.	do.	49,894	2				4	1	1			1			
Beaver Falls, Pa.	do.	10,341										1			
Biddeford, Me.	do.	17,676	12	1	1										
Berkeley, Cal.	Mar. 19	19,700	4	1				6				35			
Braddock, Pa.	Mar. 26	21,000	16		1										
Bridgeport, Conn.	do.	90,913	34	5	5			14	2	6		7		4	
Brockton, Mass.	do.	53,978	18	4				1							
Butler, Pa.	Mar. 19	12,760	5	1	1			2	1			7			
Butte, Mont.	Mar. 26	49,892	6					9		3					
Cambridge, Mass.	do.	101,872	48	4	7	1		5		9	2	8			
Cambridge, Ohio	do.	11,733	9	2	1							18			
Camden, N. J.	do.	89,305	33		1	3	1	3		6	4	1			
Canton, Ohio	do.	40,037	15		2			2							
Carbondale, Pa.	do.	15,698	5			1	1	2				2			
Charlotte, N. C.	do.	35,101	9	3	1							8		2	
Chattanooga, Tenn.	do.	34,654	0							1		3		3	
Chelsea, Mass.	do.	39,862	14	4	1					1		3		3	
Chicago, Ill.	do.	2,224,491	770	99	112	5	7	153	9	100	8	397	5	92	11
Chicopee, Mass.	do.	20,010	6	2								5			
Cincinnati, Ohio.	do.	351,212	166	36	19	2		11		4	1	156	5	8	2
Clinton, Mass.	do.	12,656	5	1	1										
Columbus, Ga.	do.	17,893	5												
Columbus, Ohio	do.	155,340	54	9	4	2		4		1		88	3	5	
Concord, N. H.	do.	21,997	9		2							8			
Covington, Ky.	do.	51,715	19	5	5							1			
Danville, Ill.	Mar. 26	27,387	9	1	1					2		47	1	1	
Dayton, Ohio	Mar. 19	108,688	43		2			2		1		1			
Do.	Mar. 26		52		2							5			
Detroit, Mich.	do.	384,855	200				1	45		10	3				
Elizabeth, N. J.	do.	67,470	26		2	11		3		14					
Evansville, Ind.	do.	66,948	21		4	2		4		3		4			
Erie, Pa.	do.	63,652	27	7	3	9	1	15		3		4			
Elmira, N. Y.	do.	35,765	14	2	1					1		2		2	
Elyria, Ohio.	Mar. 19	11,653	3			2									
Everett, Mass.	Mar. 26		8		1			2		1		1		2	
Fall River, Mass.	do.	106,481	41	7	2			1		6	1			1	
Galesburg, Ill.	do.	21,615	4												
Gloucester, Mass.	Mar. 19	25,923	7		1										
Do.	Mar. 26		6												
Grand Rapids, Mich.	do.	105,909	41	4	5	8		26	1	2		14		2	
Harrison, N. J.	do.	14,604	5	1				2	1	3					
Haverhill, Mass.	do.		23	1	2	1		5				14		7	
Hartford, Conn.	Mar. 19	103,808	45	12	1			5		9		9			1
Do.	Mar. 26		36	3	6			8		9		11			
Hyde Park, Mass.	do.	15,522	1	1		1		1							
Indianapolis, Ind.	Mar. 19	241,826	70	6	8	3	2	6		4		350	1	14	
Jacksonville, Fla.	Mar. 26	40,798	21		2	1		3		3					
Johnstown, Pa.	do.	46,520	23		2	1		4	1	5		56			
Kansas City, Kans.	do.	85,742	32	4	2	2		8		2		54			
Kearney, N. J.	do.	15,765	2							1		3	1		
Kingston, N. Y.	do.	26,110			1					1					
Knoxville, Tenn.	Mar. 5	37,758	12		3					1		1			
Do.	Mar. 26		15		2							1			
La Crosse, Wis.	Mar. 26	29,224	7		1	1		1				1			
La Fayette, Ind.	do.	19,801	8									7			
Lancaster, Pa.	do.	49,962	14	3	1			8				32		1	
Lawrence, Mass.	do.	76,042	34		2	2	1	3		2	1	58			2
Lowell, Mass.	do.	95,125	44	1	5	1		5		5	1	53	2		
Lynchburg, Va.	do.	29,457								1		1			
Madison, Ind.	Mar. 5		3	1											
Do.	Mar. 26		2			1						1			
Manchester, N. H.	do.	10,137	22	1	1					7		1			
Manistee, Mich.	do.	10,788										2		1	
Manitowoc, Wis.	Mar. 19	13,490	3					1		2		2			
Do.	Mar. 26		1					5		1					
Marinette, Wis.	do.	14,682	4												
Massillon, Ohio.	do.	13,610	4			2		6				111			

\* Estimated population 1906. No estimate for 1909.

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.
Medford, Mass.	Mar. 26	20,839	3					2				7			
do.	do.	136,363	80	9	7			7		3	1				
Memphis, Tenn.	Mar. 12	332,495	105	28	8	72	3	36	1	13	1	63		26	2
Milwaukee, Wis.	Mar. 26	130	130	22	12	23	2	32	2	13	2	83		20	1
Do.	do.	14	14					2							
Mobile, Ala.	Mar. 19	45,122	3	1				2							
Montclair, N. J.	Mar. 26	18,296	13	2	1	1		9		3		5		1	
Montgomery, Ala.	do.	43,927	12	2	1									2	
Mount Vernon, N. Y.	do.	27,891	10		1			6		1		3		4	1
Muskegon, Mich.	do.	20,995	0												
Nanticoke, Pa.	Mar. 28	13,980	6					2							
Nashville, Tenn.	Mar. 26	106,476	46	4	3			4							1
Nebraska City, Nebr.	do.		1												
Newark, N. J.	do.	308,669		18	5	18		96		39	3	8			1
New Bedford, Mass.	do.	83,898	43		1			3		1	2	59			
New Orleans, La.	do.	327,662	131	32		2		41		8		108			
Newburyport, Mass.	do.	14,832	5									131			
Newport, Ky.	do.	31,345	13												
New York, N. Y.	do.	4,450,963	1,718	697	222	33	7	704	49	374	42	1,514	31	35	3
Niagara Falls, N. Y.	do.	32,012	12	1	2	2						174			
Northampton, Pa.	do.	24,491	9				1								
North Adams, Mass.	do.	20,510	9	5	1			2				1			
Northampton, Mass.	do.	21,008	6	1	1										
Orange, N. J.	do.	27,669	14	2	2			4		2		15	1		
Palmer, Mass.	Mar. 18		2					5	2	2					
Do.	Mar. 26		2							1					
Peekskill, N. Y.	do.	15,473	7									1			
Philadelphia, Pa.	do.	1,491,082	98	73		26	3	13	3	66	14	61		26	4
Pittsfield, Mass.	Mar. 19	27,599	8												
Do.	Mar. 26		5												
Plainfield, N. J.	do.	20,947	3	2				4		5	1				
Plymouth, Pa.	Mar. 12	17,524	1	1								4			
Do.	Mar. 26		4					1				2			
Portland, Me.	Mar. 12	57,675	24	1	1	1	1	2		1		2	1	1	
Do.	Mar. 19		15			3				2		9			
Portsmouth, N. H.	Mar. 5	11,336	1		1										
Do.	Mar. 26									1					
Pottstown, Pa.	do.	14,065	6		2	1		1		1		19			
Providence, R. I.	do.	217,065	105	27	7	1	6	10	3			18	4		
Reading, Pa.	Mar. 28	97,231	37	2	3	2	1	9		3		51		7	
Rock Island, Ill.	Mar. 26	24,762	3												
San Francisco, Cal.	Mar. 19	342,782	130	49	11	8	1	11	9	2		75	1	15	2
St. Louis, Mo.	Mar. 26	686,369	270	64	28	4		107	4	20	1	60	2	34	
Saratoga Springs, N. Y.	Mar. 19	13,471	7	1						1	1	8			
Do.	Mar. 26		4			1						18			
Seattle, Wash.	Mar. 1	80,671	49	7	5	2		14	1	5		48			
Somerville, Mass.	Mar. 26	75,375	15	3	1			1		3		1			
South Bend, Ind.	do.	49,321	15		1			10	1	1		1			
South Bethlehem, Pa.	do.	15,886	11				1			3	1	8		1	
Spokane, Wash.	Mar. 19	47,006	17		1			5	1	1		18			
Springfield, Mass.	Mar. 26	82,724	36	3	4	1		7		6	1	22	1		
Do.	do.		7	1	1							6			
Steeltown, Pa.	do.	14,769	6					1	1	1		2			
Taunton, Mass.	do.	30,926	16	1		1		1				3			
Terre Haute, Ind.	do.	55,509	22	1	2			4		5	1	96			
Titusville, Pa.	do.	8,397	3			1						1			
Topeka, Kans.	do.	44,757	1							1		1			
Trenton, N. J.	do.	92,878	6	13	6	9		9		2		1			
Utica, N. Y.	do.	69,458	29	2	1			3		1		31			
Waltham, Mass.	do.	28,522	12	2	2			2		7		1			
Washington, D. C.	do.	322,212	152	31	16	4	2	34	1	7	1	6		27	4
West Newton, Mass.	do.	39,419	8					2		1		1			
Wichita, Kans.	do.	39,612	8	2	7			3		1		53			
Wheeling, W. Va.	Mar. 19	42,799	20	3	2	1		3		3		2			
Do.	Mar. 26		21	2	2	1		1		4	1	1			
Wilkes-Barre, Pa.	do.	64,323	27	3	2	1		8		2		2		4	
Wilkinsburg, Pa.	do.	19,999	3	5				1		1				5	
Williamsport, Pa.	do.	30,220	5	1	1	2		2		1		11			
Wilmington, Del.	do.	88,980	37		4										1
Woburn, Mass.	do.	14,520	6												
Worcester, Mass.	Mar. 19	135,906	54	3	2			3		4	1	18		3	2
Zanesville, Ohio	Mar. 26	25,614	11	1	2	4	1	1							

\* Estimated population, 1906. No estimate, 1909.

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

**CONNECTICUT.**—Month of February, 1910. Population of 164 towns reporting, 1,049,869. Total number of deaths from all causes, 1,407; including typhoid fever 7, measles 9, scarlet fever 17, diphtheria 24, tuberculosis (pulmonary) 126. Cases reported: Typhoid fever 24 cases in 16 towns, measles 692 cases in 58 towns, scarlet fever 449 cases in 60 towns, diphtheria 201 cases in 46 towns, tuberculosis 108 cases in 36 towns.

**FLORIDA.**—Week ended March 26, 1910. Reports from the state board of health show typhoid fever present in 4 places with 5 cases, smallpox in 6 counties with 70 cases, diphtheria in 1 place (Jacksonville) with 1 case, tuberculosis in 3 places with 3 cases.

**MAINE—Portland.**—Four weeks ended March 5, 1910. Population, 62,000. Total number of deaths from all causes 78, including tuberculosis 5. Cases reported: Typhoid fever 4, scarlet fever 11, diphtheria 11.

**MINNESOTA.**—Month of December, 1909. Population, 1,979,658. Total number of deaths from all causes 1,604, including typhoid fever 49, measles 3, scarlet fever 18, diphtheria 63, tuberculosis 153.

**NORTH CAROLINA.**—Month of January, 1910. Reports to the state board of health show typhoid fever present in 28 counties, smallpox in 43 counties, measles in 31 counties, scarlet fever in 28 counties, diphtheria in 32 counties.

**NORTH DAKOTA.**—Month of February, 1910. Population, 536,103. Total number of deaths from all causes 208, including typhoid fever 4, diphtheria 1, tuberculosis 2. Cases reported: Typhoid fever 23, smallpox 32, measles 77, scarlet fever 39, diphtheria 47, tuberculosis 13.

**TEXAS—San Antonio.**—Month of February, 1910. Population, 125,000. Total number of deaths from all causes 204, including typhoid fever 4, tuberculosis 43. Cases reported: Typhoid fever 12, smallpox 4, measles 1, scarlet fever 2, diphtheria 2.

# FOREIGN AND INSULAR.

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## CHINA.

### CANTON—Smallpox.

The following information was received from the Department of State, April 2:

American vice-consul at Canton reports epidemic of smallpox.

### SHANGHAI—Inspection of Vessels—Smallpox.

Acting Assistant Surgeon Ransom reports, February 15:

Week ended February 12. Bill of health granted to 1 vessel. One vessel with a crew of 44 was inspected. The vessel was fumigated to destroy rats.

The weekly reports of the municipal health officer show 1 new case of smallpox among foreigners and among natives 2 deaths from smallpox.

Reports from Hankow for the week ended January 29 show smallpox present in the native city, but not in severe form.

## CUBA.

### CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, March 22:

Week ended March 19. Vessels inspected, 2; bills of health issued, 2.

No quarantinable disease was reported.

### HABANA—Inspection of Vessels.

Acting Assistant Surgeon Villoldo reports, March 29:

Week ended March 26. Bills of health issued, 34. Vessels inspected, 31. Members of crews of outgoing vessels inspected, 1,313. Passengers of outgoing vessels inspected, 901. Vessels fumigated, 1. One vessel was fumigated to destroy vermin.

The department of sanitation reports 16,931 water receptacles petrolled or suppressed during the 10 days ended March 20.

No quarantinable disease was reported.

### MATANZAS—Inspection of Vessels.

Acting Assistant Surgeon Nuñez reports, March 28:

Week ended March 26. Bills of health granted to 3 vessels leaving for United States ports. No quarantinable disease reported.

The department of sanitation reports the inspection of 3,413 houses during the 10 days ended March 20.

### SANTIAGO—Inspection of Vessels.

Acting Assistant Surgeon Wilson reports, March 22:

Week ended March 19. Bills of health issued to 6 vessels bound for the United States and its dependencies. No quarantinable disease was reported.

The department of sanitation reports 2,941 houses inspected.

## ECUADOR.

## GUAYAQUIL—Fumigation of Vessels.

Passed Assistant Surgeon Parker reports, February 28 and March 6:  
Week ended February 26. Bills of health issued, 3; vessels fumigated, 3; members of crews inspected, 229; cabin passengers inspected, 15; steerage passengers inspected, 12; pieces of baggage fumigated, 75, inspected, 19; certificates for hides issued, 1.

Week ended March 5. Bills of health issued, 1; vessels fumigated, 1; members of crews inspected, 53; cabin passengers inspected, 20; steerage passengers inspected, 28; pieces of baggage fumigated, 49; pieces of baggage inspected, 53; certificates for hides issued, 1.

## HAWAII.

## HONOLULU—Plague-prevention Work.

Passed Assistant Surgeon Ramus reports, March 7 and 14:  
The last case of human plague occurred at Honolulu July 17, 1907.  
The last plague-infected rat was found at Aiea, 9 miles from Honolulu, August 22, 1907.

*Week ended March 5, 1910.*

Total rats taken .....	471
Trapped.....	471
Found dead .....	0
Examined bacteriologically.....	328
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus .....	40
Mus musculus.....	206
Mus norvegicus.....	38
Mus rattus.....	187
Average number of traps set daily.....	1,338

*Week ended March 12, 1910.*

Total rats taken .....	460
Trapped .....	453
Found dead .....	0
Killed by sulphur dioxide.....	7
Examined bacteriologically .....	355
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus .....	61
Mus musculus.....	167
Mus norvegicus.....	37
Mus rattus .....	188
Classification of rats killed by sulphur dioxide:	
Mus rattus.....	7
Average number of traps set daily .....	1,338

## INDIA.

## BOMBAY—Improved Health Conditions.

Consul Dennison reports, March 1:

Plague, which a few weeks ago seemed to be rapidly increasing, is now at a satisfactorily low figure. During the week ended March 1 the number of plague deaths was 91, or practically the same as for the preceding week, while for the corresponding period of last year the deaths numbered 153. The 5 years' average is 314.

Smallpox also remains at a much lower figure than seemed probable a short time ago. The health authorities have followed each case reported to them and vaccination has been more generally practiced. Practically all the smallpox in the city is due to continually imported infection.

ITALY.

NAPLES—Examination of Emigrants—Smallpox.

Surgeon Geddings reports, March 14:

*Vessels inspected at Naples and Palermo, week ended March 12.*

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 6	Luisiana.....	New York.....	703	30	720
7	Taormina.....	Philadelphia.....	1,545	120	1,980
7	Regina d'Italia.....	New York.....	829	38	960
9	Venezia.....	do.....	932	90	1,280
10	Cedric.....	do.....	1,855	130	2,750
10	Lombardia.....	do.....	418	25	720
10	Margaretha.....	do.....			
11	Oceania.....	do.....	2,019	150	2,700
12	Carpathia.....	do.....			
	Total.....		8,301	583	11,110

PALERMO.

Mar. 8	Taormina.....	Philadelphia.....	265	400	200
8	Regina d'Italia.....	New York.....	308	500	100
10	Venezia.....	do.....	536	900	250
11	Lombardia.....	do.....	349	400	200
	Total.....		1,458	2,200	750

*Rejections recommended.*

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Other causes.	Total.
Mar. 6	Luisiana.....	13	1	10	2	26
7	Taormina.....	26	1	18	8	53
7	Regina d'Italia.....	18	3	9	4	34
9	Venezia.....	8	2	4	3	17
10	Cedric.....	24	4	11	10	49
10	Lombardia.....	8	1	6	1	16
10	Margaretha.....					
11	Oceania.....	29	7	13	6	55
12	Carpathia.....					
	Total.....	126	19	71	34	250

PALERMO.

Mar. 8	Taormina.....	14		20	2	36
8	Regina d'Italia.....	22		14		36
10	Venezia.....	24		14	2	40
11	Lombardia.....	20		18		38
	Total.....	80		66	4	150

*Smallpox in Naples.*—During the week ended March 13, 8 cases of smallpox, with 3 deaths, were reported at the health office of the city of Naples.



## 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, March 28, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended March 26, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

## COATZACOALCOS—Inspection of Vessels.

Acting Assistant Surgeon Thompson reports, March 24:  
Week ended March 23. Vessels inspected: March 22, steamships *Hawaiian* for Delaware Breakwater and *Sardinia* for Norfolk.  
No quarantinable disease reported.

## SIAM.

## Epidemic Plague in Vicinity of Bangkok.

The following information, dated February 15, was received from Chargé d'Affaires Tarler, through the Department of State under date of March 30:

Bubonic plague has become epidemic in Phrapatom, a town of 5,000 inhabitants distant about 30 miles from Bangkok. No precautions are taken against the spread of the disease.

## ZANZIBAR.

## ZANZIBAR—Examination of Rats for Plague Infection.

Consul Garrels reports:  
Month of December, 1909. Rats received, 3,992; necropsied, 3 710.  
Month of January, 1910. Rats received, 6,181; necropsied, 5,490.  
No plague infection found.

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

## Reports Received During Week Ended April 8, 1910.

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

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Feb. 6-12.....		51	
Moulmine.....	Jan. 22-Feb. 4.....		13	
Negapatam.....	Jan. 30-Feb. 4.....		3	
Rangoon.....	Feb. 13-19.....		4	

## YELLOW FEVER.

Brazil:				
Manaos.....	Jan. 31-Mar. 12.....		10	
Para.....	Jan. 31-Mar. 6.....	18	13	
Ecuador:				
Guayaquil.....	Feb. 16-28.....	28	10	

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

**Reports Received During Week Ended April 8, 1910.**

**PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Ecuador:</b>				
Guayaquil.....	Feb. 16-28.....	15	1	
Milagro.....	Feb. 16-28.....	6	2	
<b>India:</b>				
Bombay.....	Jan. 27-Mar. 1.....		91	
Calcutta.....	Feb. 6-12.....		13	
Kurrachee.....	Feb. 20-26.....	45	44	
Rangoon.....	Feb. 13-19.....		10	
<b>Siam:</b>				
Phrapatom.....	Feb. 15.....			Epidemic.
<b>Turkey in Asia:</b>				
Jiddah.....	Mar. 10-13.....	6	6	

**SMALLPOX.**

<b>Argentina:</b>				
Rosario.....	Dec. 1-31.....		1	
<b>Austria:</b>				
Galicia.....	Feb. 27-Mar. 5.....	1		
<b>Brazil:</b>				
Para.....	Jan. 31-Mar. 5.....	1		
<b>Canada:</b>				
Halifax.....	Mar. 20-26.....	1		
<b>France:</b>				
Paris.....	Mar. 6-12.....	16	3	
<b>Great Britain:</b>				
Bristol.....	Mar. 13-19.....	2		One case on steamship from Bombay.
<b>India:</b>				
Bombay.....	Jan. 27-Mar. 1.....		42	
Kurrachee.....	Feb. 20-26.....	5	2	
Rangoon.....	Feb. 13-19.....		22	
<b>Italy, general.....</b>	Mar. 6-13.....	21		
Genoa.....	Mar. 1-15.....	1		
Naples.....	Mar. 7-13.....	8	3	
<b>Mexico:</b>				
Chihuahua.....	Mar. 14-27.....	2	1	
Manzanillo.....	Mar. 1-6.....	5		
<b>Portugal:</b>				
Lisbon.....	Mar. 6-12.....	13		
<b>Russia:</b>				
Libau.....	Mar. 7-13.....	7		
Riga.....	Feb. 28-Mar. 5.....	1		
Warsaw.....	Jan. 23-29.....		21	
<b>Spain:</b>				
Almeria.....	Jan. 1-31.....		3	
Huelva.....	Feb. 1-28.....		2	
Seville.....	Feb. 1-28.....		2	
Valencia.....	Mar. 6-12.....	1		
Vigo.....	Mar. 6-12.....			Present, vicinity.
<b>Straits Settlements:</b>				
Singapore.....	Feb. 9-13.....		2	

**Reports Received from January 1 to April 1, 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, Colombo.....</b>	Feb. 13-19.....	5		
<b>Germany:</b>				
Heydekrug.....	Nov. 19-Dec. 4.....	2		
Niedrung.....	Nov. 16-22.....	1		
<b>India:</b>				
Bombay.....	Nov. 24-Feb. 22.....		21	
Calcutta.....	Nov. 14-Feb. 5.....		410	
Madras.....	Jan. 1-Feb. 4.....		2	
Rangoon.....	Nov. 14-Jan. 22.....		41	

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

Reports Received from January 1 to April 1, 1910.

## CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Java:</b>				
Batavia.....	Nov. 14-Mar. 5....	388	111	
<b>Norway:</b>				
Friedershald.....	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-Feb. 12....	109	95	Third quarter, 1909. Cases 82, deaths 61.
Provinces.....				Third quarter, 1909. Cases 3,946, deaths 2,609.
Albay.....	Nov. 7-20.....	6	6	
Bataan.....	Nov. 7-Feb. 12....	215	152	
Bohol.....	Nov. 7-Feb. 12....	47	28	
Bulacan.....	Nov. 7-Jan. 1.....	32	27	
Camarines.....	Nov. 7-20.....	5	5	
Capiz.....	Nov. 21-Dec. 18....	3	2	
Cavite.....	Nov. 7-Jan. 22....	105	76	Jan. 1-Feb. 12, 50 cases from a coasting vessel.
Cebu.....	Nov. 7-Feb. 12....	333	251	Nov. 20, 1 case on s. s. Yaptico.
Laguna.....	Dec. 19-25.....	4	4	
Leyte.....	Nov. 21-Jan. 15....	36	32	
Misamis.....	Jan. 16-Feb. 12....	40	33	
Oriental Negros.....	Nov. 7-20.....	10	5	
Pampanga.....	Nov. 7-Feb. 12....	182	43	
Rizal.....	Nov. 7-Jan. 22....	11	7	
Tarlac.....	Nov. 7-13.....	9	5	
<b>Russia, general:</b>				
Baku, government.....	Nov. 21-Jan. 29....	440	203	
Baku.....	Dec. 21-Dec. 25....	22	22	
Don territory.....	Nov. 21-Jan. 15....	27	17	
Ekaterinslav, government.....	Nov. 28-Jan. 29....	19	12	
Jaroslav, government.....	Nov. 21-Jan. 1.....	23	7	
Kaluga.....	Nov. 21-27.....	1	1	
Kostroma, government.....	Dec. 26-Jan. 1.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11....	6		
Moscow, government—				
Moscow.....	Nov. 29-Jan. 22....	256	115	
Pskov, government.....	Nov. 21-27.....	10		
St. Petersburg, government.....	Nov. 21-Dec. 18....	14	12	
St. Petersburg.....	Nov. 21-Jan. 1.....	53	12	
Taurida, government.....	Nov. 21-Dec. 25....	66	28	
Vitebsk, government.....	Nov. 21-27.....	2		
<b>Siam:</b>				
Bangkok.....	Oct. 28-Jan. 22....	12	12	
<b>Siberia:</b>				
Vladivostok.....	Nov. 16-21.....	1		
<b>Straits Settlements:</b>				
Singapore.....	Dec. 19-Jan. 15....		4	
<b>Sumatra:</b>				
Palembang.....	Sept. 20-Oct. 20....	936	675	
<b>Turkey in Asia:</b>				
Trebizond.....	Nov. 28.....	1		On a vessel from Batum.

## YELLOW FEVER.

<b>Brazil:</b>				
Manaos.....	Nov. 21-Feb. 26....		48	
Para.....	Nov. 28-Feb. 26....	66	52	
<b>Ecuador:</b>				
Babahoyo.....	Jan. 1-Feb. 15....	4		
Guayaquil.....	Dec. 1-Feb. 15....	107	31	
<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>Panama:</b>				
Canal Zone—				
Ancon.....	Jan. 24.....		1	At Ancon hospital, from s. s. Barbadian.
Culebra Island.....	Mar. 1-8.....	1	1	At Culebra quarantine station, from s. s. Huallago.
<b>Trinidad:</b>				
Port of Spain.....	Nov. 28-Dec. 4....	1	1	

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

**Reports Received from January 1 to April 1, 1910.**

**PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Arabia:</b>				
Aden.....	Jan. 21-23.....	1	1	From an Austrian mail steamer from Bombay.
<b>Brazil:</b>				
Bahia.....	Nov. 20-Feb. 11...	54	28	
Para.....	Nov. 28-Feb. 19...	12	9	
Pernambuco.....	Oct. 15-Dec. 31.....	.....	21	
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>				
Iquique.....	Feb. 12-24.....	.....	.....	Present in endemic form.
Taltal.....	Jan. 15.....	2	1	
<b>China:</b>				
Hankow.....	Nov. 27-Dec. 7....	20	20	Feb. 1 again present.
Hongkong.....	Nov. 21-27.....	1	1	
<b>Ecusdor:</b>				
Babahoyo.....	Dec. 16-Feb. 15...	18	6	
Guayaquil.....	Dec. 1-Feb. 15.....	210	87	
Milagro.....	Jan. 1-Feb. 15.....	15	3	
<b>Egypt:</b>				
Alexandria.....	Nov. 19-Mar. 10...	5	4	
Port Said.....	Nov. 30-Dec. 22...	2	1	
<b>Provinces—</b>				
Assiout.....	Sept. 29-Mar. 10...	57	16	
Beherach.....	Dec. 8-14.....	1	.....	
Beni Souef.....	Dec. 16-Mar. 5.....	31	10	
Fayoum.....	Jan. 20-Mar. 10...	6	4	
Galloobeh.....	Jan. 11-Feb. 24.....	10	4	
Garbieh.....	Feb. 2-9.....	9	8	
Girgeh.....	Dec. 19-26.....	2	1	
Ghizeh.....	Dec. 19-Jan. 2.....	2	2	
Kena.....	Feb. 3-20.....	1	1	
Menouf.....	Nov. 28-Dec. 15...	17	6	
Minieh.....	Dec. 21-Feb. 28.....	14	7	
<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-Feb. 22.....	.....	306	
Calcutta.....	Nov. 20-Feb. 5.....	.....	78	
Kurrachee.....	Dec. 19-Feb. 19.....	415	407	
Rangoon.....	Nov. 13-Feb. 4.....	.....	24	
Bombay Presidency and Sind.....	Nov. 7-Jan. 22.....	11,137	7,821	
Madras Presidency.....	Nov. 7-Jan. 22.....	1,011	705	
Bengal.....	Nov. 7-Jan. 22.....	8,109	6,509	
United provinces.....	Nov. 7-Jan. 22.....	36,037	33,019	
Punjab.....	Nov. 7-Jan. 22.....	14,277	11,704	
Burma.....	Nov. 7-Jan. 22.....	898	766	
Central provinces, including Berar.....	Nov. 7-Jan. 22.....	10,322	8,355	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Jan. 22.....	1,388	1,020	
Hyderabad State.....	Nov. 7-Jan. 22.....	155	126	
Central India.....	Nov. 7-Jan. 22.....	850	638	
Rajputana and Ajmer-Merwara.....	Nov. 7-Jan. 22.....	4,157	3,674	
Kashmir.....	Nov. 7-Jan. 22.....	165	110	
Grand total.....		88,511	74,448	
<b>Indo-China:</b>				
Saigon.....	Nov. 7-Dec. 25.....	5	4	
<b>Japan:</b>				
Kobe.....	Nov. 28-Feb. 26.....	25	20	
Shikoku Island.....	Jan. 30-Feb. 5.....	1	.....	
<b>Paraguay:</b>				
Dec. 10.....			30	In the northern part.
<b>Peru:</b>				
Arequipa, department.....	Dec. 10-16.....	1	.....	
Mollendo.....	Dec. 20-Feb. 25...	6	2	
Callao, department—				
Callao.....	Jan. 17-Feb. 7.....	5	.....	
Lambayeque, department.....	Oct. 1-Dec. 16.....	39	13	
Libertad, department.....	Nov. 19-Dec. 16.....	32	3	
Lima, department.....	Oct. 22-Dec. 16.....	10	6	
Lima.....	Feb. 11-25.....	1	.....	In lazaretto from s. s. Ammon.
Pisco.....	Feb. 19.....	1	.....	From s. s. Ammon.
Mauritius.....	Dec. 18-Jan. 27.....	120	70	

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

Reports Received from January 1 to April 1, 1910.

## PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Russia:</b>				
Astrakan, government.....	Dec. 5–Feb. 27.....	134	120	
Naourzali-Tchagil.....	Jan. 17–Feb. 2.....	26	26	
Beiskulak.....	Dec. 10–16.....	18	16	
Bodal.....	Mar. 1.....	9		
Dshedda.....	Jan. 7.....			Present.
Libau.....	Dec. 3–9.....	1	1	
Uralsk, district.....	Nov. 25–Jan. 12.....	208	202	
<b>Slam:</b>				
Bangkok.....	Oct. 28–Jan. 22.....	11	10	
<b>Straits Settlements:</b>				
Singapore.....	Dec. 25–Jan. 1.....	2	2	
<b>Turkey in Asia:</b>				
Beirut.....	Nov. 29–Dec. 14.....	3		
Jiddah.....	Jan. 5–Mar. 6.....	20	19	
<b>Venezuela:</b>				
Puerto Cabello.....	Feb. 24.....	2		
Zanzibar.....	Nov. 9–17.....	2	2	

## SMALLPOX.

<b>Abyssinia:</b>				
Adis Aababa.....	Feb. 19.....			Epidemic.
<b>Algeria, general.</b>	Dec. 1–15.....	22		
Algiers.....	Nov. 1–Jan. 31.....		3	
Bona.....	Dec. 1–Jan. 31.....	11	9	
<b>Argentina:</b>				
Buenos Aires.....	Oct. 1–Dec. 31.....		85	
<b>Austria:</b>				
Bohemia.....	Feb. 20–26.....	1		
Galicja.....	Jan. 1–Feb. 26.....	11		
Vienna.....	Jan. 9–29.....	2		
<b>Brazil:</b>				
Bahia.....	Nov. 20–Feb. 11.....	250	164	
Pernambuco.....	Oct. 16–Jan. 15.....		205	
Rio de Janeiro.....	Nov. 2–Feb. 27.....	25	1	
Sao Paulo.....	Nov. 1–21.....		2	
<b>Canada:</b>				
British Columbia—				
Vancouver.....	Jan. 1–31.....	3		
Nova Scotia—				
Halifax.....	Dec. 19–Mar. 5.....	3		
Windsor.....	Dec. 1–Jan. 31.....	40		
Ontario—				
Port Arthur.....	Mar. 11–19.....	5		
<b>Ceylon:</b>				
Colombo.....	Feb. 6–12.....	5		
<b>Chile:</b>				
Antofagasta.....	Jan. 1.....			Present. Feb. 12, 8 cases in lazaretto.
Quillota.....	Nov. 28–Dec. 4.....			Present.
Valparaiso.....	Nov. 20–Jan. 1.....			Do.
<b>China:</b>				
Amoy.....	Nov. 28–Feb. 12.....		8	
Canton.....	Dec. 12–Feb. 23.....	105	9	
Chang Cheun.....	Dec. 11.....			Do.
Chio Be.....	Dec. 11.....			Do.
Hankow.....	Jan. 2–15.....	1	1	Dec. 19–Feb. 12, present among natives.
Hongkong.....	Feb. 5–19.....	8	2	
Shanghai.....	Nov. 1–Feb. 27.....	3	18	Deaths among natives.
<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–Jan. 21.....	562	150	
Alexandria.....	Nov. 5–Jan. 21.....	20	19	
Cairo.....	Nov. 26–Mar. 4.....	13	4	
<b>France:</b>				
Nantes.....	Jan. 1–31.....	1		
Paris.....	Dec. 5–Mar. 5.....	98	12	
<b>Germany, general.</b>	Dec. 5–Mar. 12.....	85		
Bremen.....	Feb. 27–Mar. 5.....	1		
Konigsberg.....	Dec. 12–Jan. 15.....	2	2	In vicinity.

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

Reports Received from January 1 to April 1, 1910.

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Great Britain:</b>				
Bristol.....	Feb. 6-12.....	1		
Greenock.....	Feb. 6-12.....	1		
Hull.....	Jan. 16-22.....	2		
Liverpool.....	Dec. 19-Feb. 5.....	9		
London.....	Nov. 28-Mar. 5.....	21		
Newcastle-on-Tyne.....	Feb. 13-Mar. 5.....	3	1	
Nottingham.....	Jan. 16-26.....	4	1	
Plymouth.....	Nov. 12-18.....		1	
Southampton.....	Nov. 12-18.....	1		
South Shields.....	Feb. 13-19.....	1		
<b>Greece:</b>				
Athens.....	Nov. 22-Feb. 26.....		17	
<b>Hawaii:</b>				
Honolulu.....	Jan. 31-Feb. 4.....	3	1	2 cases Jan. 31 from U. S. S Washington from Yokohama. 1 case Feb. 2 on s. s. Makura.
<b>India:</b>				
Bombay.....	Nov. 24-Feb. 22.....		207	
Calcutta.....	Nov. 14-Feb. 12.....		10	
Kurrachee.....	Jan. 2-Feb. 19.....	8		
Madras.....	Dec. 18-Feb. 18.....		4	
Rangoon.....	Nov. 20-Feb. 5.....		55	
<b>Indo-China:</b>				
Saigon.....	Dec. 7-13.....	1		
<b>Italy, general:</b>				
Genoa.....	Nov. 29-Mar. 6.....	233		
Milan.....	Dec. 1-Feb. 28.....	19	1	
Naples.....	Jan. 1-16.....	1		
	Dec. 6-Mar. 6.....	227	41	
<b>Japan:</b>				
Formosa.....	Feb. 6-19.....	10	4	
Kobe.....	Dec. 12-25.....	1	1	
<b>Java:</b>				
Batavia.....	Dec. 12-Feb. 12.....	9	1	
<b>Korea:</b>				
Fusan.....	Feb. 1-12.....	6	1	
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-Mar. 12.....		33	
Chihuahua.....	Dec. 13-Mar. 14.....	14	8	
Guadalajara.....	Jan. 29-Mar. 11.....		6	
Mexico.....	Nov. 14-Feb. 19.....		16	
Monterey.....	Nov. 13-Feb. 20.....		2	
Veracruz.....	Feb. 13-19.....	1		
<b>Netherlands:</b>				
Rotterdam.....	Dec. 5-11.....	7		
<b>Persia:</b>				
Arabistan.....	Dec. 6-31.....			Do.
Hamadan.....	Nov. 15-Dec. 31.....			Do.
Kurdistan.....	Dec. 6-31.....			Do.
Sultanabad.....	Nov. 15.....			Do.
Teheran.....	Nov. 1-Dec. 2.....			Do.
<b>Peru:</b>				
Callao.....	Dec. 6-12.....			Do.
<b>Philippine Islands:</b>				
Manila.....	Nov. 14-Feb. 12.....	23		Third quarter, 1909—Cases, 5; deaths, 0.
<b>Portugal:</b>				
Lisbon.....	Dec. 5-Mar. 5.....	209		
Porto Rico, general.....	July 1-Dec. 31.....	72	12	
<b>Russia:</b>				
Batoum.....	Dec. 1-31.....	5		
Libau.....	Dec. 6-Mar. 6.....	34		
Moscow.....	Nov. 21-Feb. 19.....	160	53	
Odessa.....	Nov. 21-Mar. 5.....	296	74	
Riga.....	Dec. 5-Mar. 5.....	44		
St. Petersburg.....	Nov. 28-Feb. 26.....	603	182	Oct. 1-Dec. 31, 26 deaths.
Warsaw.....	Oct. 24-Jan. 22.....		192	
<b>Siam:</b>				
Bangkok.....	Nov. 28-Jan. 22.....	5	4	
<b>Siberia:</b>				
Vladivostok.....	Jan. 15-Feb. 5.....	5	2	

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

Reports Received from January 1 to April 1, 1910.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Spain:</b>				
Almeria.....	Nov. 1-Dec. 31.....		10	
Barcelona.....	Dec. 14-Mar. 7.....		33	
Cadiz.....	Jan. 1-31.....		1	
Huelva.....	Nov. 1-Dec. 31.....		17	
Madrid.....	Dec. 1-Jan. 31.....		59	
Seville.....	Dec. 1-Jan. 31.....		10	
Tarragona.....	Feb. 20-26.....		1	
Valencia.....	Jan. 9-Feb. 19.....	4		
Vigo.....	Jan. 23-29.....		1	Mar. 5, present in vicinity.
<b>Straits Settlements:</b>				
Singapore.....	Jan. 22-Feb. 12.....		5	
<b>Tripoli:</b>				
Tripoli.....	Nov. 14-Dec. 25.....	242	24	
<b>Turkey:</b>				
Constantinople.....	Jan. 2-Feb. 6.....		2	
<b>Turkey in Asia:</b>				
Bagdad.....	Nov. 21-Jan. 31.....			Present.
Salonica.....	Jan. 1-31.....		3	
Smyrna.....	Nov. 5-Dec. 31.....		42	
Trebizond.....	Mar. 5.....			Do.
<b>Uruguay:</b>				
Montevideo.....	Oct. 1-Dec. 31.....		36	

## MORTALITY.

## WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—													
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.			
Aberdeen.....	Mar. 12	185,703	52														
Aix-la-Chapelle.....	Mar. 5	161,745	44	2							2	2					
Antwerp.....	Mar. 12	326,351	94	10													
Barcelona.....	do.	591,272	310	40				7		1			3	4	1		1
Barmen.....	Feb. 19	163,700	33	5													2
Do.....	Feb. 26		36	5											1		1
Do.....	Mar. 5		31	7													
Barranquilla.....	Mar. 12	40,000	18	1						1							
Bergen.....	do.	87,749	27	8						1							1
Berlin.....	Feb. 26	2,122,718	541	105						1	10	12	2	2	10		
Do.....	Mar. 5		564	84								6	16	4	6		
Birmingham.....	Mar. 19	558,336	157								4	2					7
Bombay.....	Mar. 1	977,822	753	47	91			42							3		
Bremen.....	Mar. 12	235,648	72	12					1			1			1		2
Bristol.....	Mar. 19	382,550	104	10											3		3
Brussels.....	Mar. 12	720,030	172	19							1		1	1	1		1
Budapest.....	do.		804,200								3	2	4	2			
Calcutta.....	Feb. 12	847,796	575	29	13	51									5		
Chemnitz.....	Mar. 5	279,847	81	11						1	2	2	2				
Do.....	Mar. 12	280,230	79	8							1	2					
Chihuahua.....	Mar. 20	37,000	33	2											1		
Do.....	Mar. 27		29	2				1			2		1				2
Cologne.....	Mar. 12	476,205	139	23							2	3	4	2			
Constantinople.....	Mar. 13	1,000,000	264	32							4		1	4			
Copenhagen.....	Mar. 5	455,000	112	3							2	1	1				3
Dresden.....	do.	552,500	151	22								7	4				
Do.....	Mar. 12		157	21						1							2
Dundee.....	Mar. 19	170,206	68	3								1					
Erfurt.....	Mar. 12	109,106	36	2									3		6		
Geneva.....	Mar. 5	121,500	40										1				
Ghent.....	Mar. 12	165,475	57	3									1	2			

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Florence	Feb. 28	238,170	57	10						7	9	12	13	
Do	Mar. 5		49	12						2	7	9	18	
Frankfort on the Main	do	372,000	85									1	2	
Do	Mar. 12		97									2	2	4
Halifax	Mar. 26	40,787	19	1										
Hamburg	Mar. 12	895,804	258	32							3	10	4	
Havre	do	132,430	66	23								2		
Hilo	do	3,500			1					1				
Holyhead	do	11,179	7									1		
Karachi	Feb. 26	130,000	88		44			2						
Kingston	Mar. 26	19,193	8							1				
Kobe	Feb. 26	380,717	146									1	1	
Konigsberg	Mar. 5	243,200	89	11							1	1	1	
Do	Mar. 12		86	16						1			2	2
Leeds	Mar. 19	496,985	128							1	1	1	2	4
Leipzig	Mar. 12	590,329	164	23							1	2	1	2
Libau	Mar. 13	90,000									2	2		11
Liverpool	Mar. 19	767,606	244	16							4	1	7	
Lubeck	Mar. 12	91,541	32	4						1			1	
Lyons	Mar. 5	500,000	176	39							1	4	4	1
Madrid	Feb. 25	550,000					2							
Magdeburg	Mar. 5	253,710	72	7								3	1	
Manaos	do	52,000	48				4							
Do	Mar. 12		57	6			6							
Mannheim	Feb. 26	186,307	30	5						1				
Do	Mar. 5		41	10						1				
Monterey	Mar. 20	100,000	53	8									1	1
Montreal	Mar. 26	389,837	170	29						1	5	2		3
Naples	Mar. 12	593,729	287					3				2		
Nuevo Laredo	Mar. 26	8,000	7											
Nuremberg	Feb. 26	323,500	117	12						1			11	5
Do	Mar. 5		110	17								1	8	1
Para	do	185,000	81	4										
Do	Mar. 12		109	10			6							
Paris	do	2,776,394	982	253				3		4	1	2	13	4
Port of Spain	do	60,000	39	4										2
Prague	do	233,649	171	26						1	1	3	1	
Rangoon	Feb. 19	252,155	179	6	10	4		22						
Rotterdam	Mar. 19	419,180	124							1				
Santa Cruz de Tenerife	Mar. 12	46,000	31	4						1	5	5		
Santiago de Cuba	Mar. 19	45,497	16	2						1				
Sheffield	Mar. 12	472,000	109	9						1				6
Do	Mar. 19		117	7								1		1
Singapore	Feb. 19	271,060	206	30			2							
Southampton	Mar. 19	127,157	34	4									1	
Stettin	Mar. 12	239,000	74	7								2		
Stockholm	Mar. 5	399,582	97	10							2	2	4	1
Talcahuano	do	2,800	6	3									1	
Turin	Mar. 10	391,968	136	17						3				
Valencia	Mar. 12	240,000	122	6								2		
Valetta	Mar. 5	212,888	82	9						3				
Victoria	Mar. 19	30,000	10	1								1		
Vienna	Mar. 5	2,065,888	641	109							3	4	14	5
Vigo	Mar. 12	40,000	6	2										
Warsaw	Jan. 29	764,054	281	54			21	2		1	6	1	1	4



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

**BRAZIL—Rio de Janeiro.**—Two weeks ended February 27, 1910. Population 850,000. Total number of deaths from all causes 696, including typhoid fever 3, measles 4, tuberculosis 176.

**CUBA—Matanzas.**—February 1 to 10, 1910. Population 36,009. Total number of deaths from all causes 23, including tuberculosis 3.

**FORMOSA.**—Three weeks ended February 19, 1910. Population 3,108,723. Total number of deaths from all causes not reported. Two deaths from typhoid fever, 2 from smallpox, and 2 from diphtheria reported.

**FRANCE—Cherbourg.**—Month of February, 1910. Population 43,837. Total number of deaths from all causes 100, including typhoid fever 1, measles 2, scarlet fever 1, tuberculosis 17.

**GREAT BRITAIN.**—Week ended March 5, 1910.

*England and Wales.*—The deaths registered in 76 great towns, having an aggregate estimated population of 16,713,617, correspond to an annual rate of 14.5 per 1,000 of the population.

*Ireland.*—The deaths registered in 21 principal town districts correspond to an annual rate of 22.4 per 1,000 of the population which is estimated at 1,151,790. The lowest rate was recorded at Sligo, viz, 4.8, and the highest at Galway, viz, 38.8 per 1,000 of the population.

*Scotland.*—The deaths registered in 8 principal towns correspond to an annual rate of 16.3. The lowest rate was recorded at Paisley, viz, 10.6, and the highest at Greenock, viz, 27.6 per 1,000 of the population, which is estimated at 1,864,194. The total number of deaths from all causes was 590, including typhoid fever 6, measles 40, scarlet fever 5, diphtheria 12.

**ITALY—Genoa.**—Two weeks ended March 15, 1910. Population 279,163. Total number of deaths from all causes 240, including typhoid fever 1, tuberculosis 19.

**Rome.**—Three weeks ended October 16, 1909. Population 559,715. Total number of deaths from all causes 475, including typhoid fever 12, measles 2, scarlet fever 1, diphtheria 1, tuberculosis 50.

**SOUTH AFRICA—Johannesburg.**—February 5 to 19, 1910. Population 180,687. Total number of deaths from all causes 125, including typhoid fever 19, diphtheria 1, tuberculosis 8.

**SPAIN—Almeria.**—Month of January, 1910. Population 50,910. Total number of deaths from all causes 135, including typhoid fever 5, smallpox 3, measles 22, diphtheria 2, tuberculosis 7.

**Huelva.**—Month of February, 1910. Population 24,000. Total number of deaths from all causes 61, including typhoid fever 1, smallpox 2, diphtheria 2, tuberculosis 11.

*Malaga*.—Month of January, 1910. Population 133,993. Total number of deaths from all causes 342, including typhoid fever 6, diphtheria 3, tuberculosis 34.

*Seville*.—Month of February, 1910. Population 154,315. Total number of deaths from all causes 387, including smallpox 2, measles 1, diphtheria 2, tuberculosis 66.

ST. THOMAS.—Two weeks ended March 11, 1910. Population 11,012. Total number of deaths from all causes 14. No contagious diseases.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

*Surgeon-General,*

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