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SMALLPOX IN GERMANY.

During the calendar year 1907, 17,220 cases of smallpox in the United States were reported to the Public Health and Marine-Hospital Service. In 1908 there were 35,174 cases. During the year 1907, 74 deaths from smallpox were reported to the Bureau of the Census from the registration area and in 1908, 92 deaths. This shows a comparatively large number of cases, with a very low mortality rate.

For purposes of comparison the following has been abstracted from a report on the statistics of smallpox in Germany in 1907 published in the *Medizinal-statistische Mitteilungen aus dem Kaiserlichen Gesundheitsamte*, Band 13, Heft I:

CASES.

The number of smallpox cases occurring in Germany in the year 1907 amounted to 345 as against 256 in the year 1906. Of the cases in 1907, 63 died, giving a mortality rate of 17.97 per cent. A third of the cases occurred among foreigners, viz, 75 Russians, 18 Italians, 10 Austrians, 5 Swiss, 1 Frenchman, 1 Hollander, 1 Roumanian.

The distribution according to months was as follows:

January 14 cases, February 28, March 82, April 90, May 54, June 22, July 6, August 4, September 10, October 3, November 7, and in December 25 cases.

The distribution according to sex was: One hundred and eighty-six male; 159 female. Two hundred and seventy of the cases came under medical treatment. The average duration of illness was 31 days.

None of the cases occurred in persons who had previously had smallpox.

Of the 186 male patients 23 had been soldiers. Of these 4, whose period of military service dated back 21, 28, 37, and 50 years, were seriously ill. With the remaining 19 the course of the disease was mild.

Method of infection.—With regard to the method of infection, 36 cases were traced to foreign origin. Contagion among inmates of the same dwelling house was noted in 31 cases; in 13 cases among other house associates; among fellow-workmen in 6 cases. The number of cases caused by infection in hospitals amounted to 26, including 1 nurse, 1 attendant, 1 workwoman in the housekeeping department, and 1 woman whose child was a patient. In 2 cases infection was contracted from a smallpox corpse. Three physicians were attacked. Contact with infected rags, waste, and feathers was sup-

posed to have caused 13 cases. The remaining cases were distributed among various branches of occupation connected with attendance on the sick, and supplying the needs of the sick, and among traveling workmen and gypsies.

Imported infection.—Importation of smallpox occurred: (1) By small trading on the frontier; (2) by foreign emigrants in transit, and foreign workmen and their belongings; (3) by other travelers from foreign countries, by land and sea; (4) by importation from foreign countries in other ways.

(1) To small trading on the frontier were attributed 35 cases.

(2) To foreign emigration the following were attributed: At Bremen 6 Russian, 1 Hungarian, and 1 Roumanian emigrants were ill with smallpox on arrival and were taken to hospital. Two other cases were caused by these in patients sick with other diseases. A third broke out in a hospital inmate who was taken sick 8 days after leaving the hospital. At Hamburg there were 6 cases in emigrants.

Contact with foreign workmen caused cases as follows: In Allenstein an innkeeper and a member of his family contracted smallpox by contact with a Russian workman. In Posen 3 Russian children were attacked.

In Magdeburg a Russian workwoman was taken to hospital, where she gave smallpox to 3 persons. At Gattlesleben a Russian workman gave smallpox to a boy who was in the same hospital for treatment for lupus.

In Erfurt 2 Russian workwomen fell ill with smallpox. They had left home 22 and 25 days previously and contagion was believed to have been brought in their clothing.

In Minden an outbreak was caused in hospital by an artisan from Posen who had traveled by rail with Russian workmen and had broken out with symptoms of "hemorrhagic measles," of which he died in a few days. The case was undoubtedly one of severe smallpox, and it occasioned smallpox in a nursing sister and 5 other persons in the hospital.

In Cologne a Russian workman broke out with smallpox after 14 days' absence from Russia and was taken to hospital. Here a woman was attacked who gave the disease to her husband and children (2).

In Upper Bavaria a Russian workwoman, infected at her own home, was taken to hospital at Perlach, where she occasioned a fatal smallpox case and later a severe one.

In the province of Upper Silesia at Lindheim a cattle dealer died of smallpox. Infection was plainly due to contact with Russian workmen. This case was the starting point for 6 other cases at Lindheim and later 3 at Altenstadt and 1 at Ortenberg.

In Mecklenburg-Strelitz, at Loitz, the disease was communicated by a Russian workwoman to her 4 months' old child and to the attending physician. The latter had been revaccinated in 1870.

In Brunswick at the hospital at Helmstedt 3 inmates were attacked after a Russian workman had been admitted.

(3) *Travelers from foreign countries.*—Travel from abroad caused 29 cases. In Berlin a merchant lately returned from the East died after an illness of a week's duration. At Bromberg a ticket sorter fell ill apparently from infection contracted by handling tickets and baggage of Russian travelers. The disease was communicated to an infant child and from it to an adult. At Wilsche (district of

Bromberg) 2 persons living in the same house contracted smallpox from a family lately returned from Russia. The children belonging to the family showed marks of recent smallpox sores. The disease spread to 4 children in the vicinity who were brought in contact with the source of infection. At Bronowisce 6 children of families lately returned from Russia were attacked 16 days after leaving Russia. At Tscheschen an innkeeper lately returned from Warsaw fell ill 13 days after his return. The disease spread to his wife. At Schironowitz 2 gypsy children employed as cattle tenders, whose father was a comedian and practiced his calling along the Russian and Austrian frontiers, gave the disease to 4 other persons, and 1 of these cases infected a fifth. It was found that another member of the troupe of actors had smallpox. Cases at Stocken, in Hanover, were traced to infection from a railway car.

Maritime communication.—Four cases were due to this source of infection. The captain and ship's doctor of the steamship *Pennsylvania* were infected from an Italian emigrant child embarked at New York and were taken to hospital at Hamburg. The ship's doctor had been last vaccinated in 1890. A few days later the steward of the ship and a relative of the steward fell ill with smallpox.

(4) *Importation in other ways.*—To this source 34 cases were supposed to have been due. One case was apparently caused by infected mail from Galicia. It occurred in a workman at Rohnstock, district of Bolkehain. At Beuthen a case was apparently due to infected feathers. At Bielefeld 2 cases were traced to infected cleaning cloths. The infection in 29 cases was traced to a rag-sorting establishment in Käferthal which handled rags of foreign as well as domestic origin. A shipment of rags from Käferthal to a paper factory at Neidenfels carried the infection and caused smallpox in 2 sorters. Through these cases 2 members of the families of the patients were infected. They were taken to hospital where an inmate became infected. Workmen of the Käferthal establishment were attacked by the disease and spread the infection to members of their families and others in Baden and Hesse. At Viernheim an innkeeper, whose daughter was employed in the sorting department, fell ill. From this focus 9 secondary cases developed.

DEATHS.

Of the 345 cases in 1907, 63 died as compared with 47, 30, 25, 20, and 25 deaths in the 5 preceding years and an average of 29 in the 10-year period from 1897 to 1906. The increase was due mainly to epidemics that prevailed in the city of Metz and vicinity, with 8 deaths in 1906 and 30 in 1907. The smallpox mortality was at the rate of 1.02 per 1,000,000 inhabitants during the year under consideration (1907), for the preceding year 0.77, and for the 10-year period (1897-1906) the average was 0.51. Among the 63 deceased in 1907 were 15 foreigners, corresponding to 23.81 per cent of the total number, 10 being Russians, 3 Luxemburgers, 1 an Italian, and 1 a Swiss.

The smallpox deaths in 1907 were distributed among 29 localities, of which 16 were in Prussia, 1 in Bavaria, 4 in Hesse, 1 each in Mecklenburg-Schwerin and Hamburg, and 6 in Alsace-Lorraine. In the city of Metz 24 persons died. According to months the deaths

were distributed as follows: January, 4; February, 2; March, 17; April, 14; May, 12; June and July, 1 each; August, 4; September, 0; October, 2; November, 1; December, 5 cases. Of the deaths 31 were of men, 32 of women.

None of the deceased had previously had smallpox. Of the deaths among men 2 were of old soldiers, whose term of military service dated back 50 and 28 years.

As regards the form of the disease in the fatal cases the confluent and hemorrhagic were the most frequent, in only 7 cases a discreet outbreak of postules being observed.

The following table shows the ages, the course of the disease, and the degree of protection by vaccination in the 345 cases:

Protection by vaccination.	Course of disease.	Age.										Total.
		1 year.	2 years.	3 to 10 years.	11 to 20 years.	21 to 30 years.	31 to 40 years.	41 to 50 years.	51 to 60 years.	Over 60 years.		
Unvaccinated.....	Died.....	14	2	4	1	1	.....	.....	.....	.....	.....	22
	Serious to medium.....	1	1	4	7	4	.....	1	.....	.....	.....	18
	Light.....	8	1	4	1	3	.....	.....	1	.....	.....	18
Unknown.....	Died.....	.....	.....	1	1	3	1	3	4	1	.....	14
	Serious to medium.....	.....	.....	4	3	.....	.....	2	.....	.....	.....	9
	Light.....	.....	.....	1	1	1	.....	.....	1	1	.....	4
Unsuccessfully vaccinated.....	Died.....	.....	.....	1	1	.....	.....	1	.....	.....	.....	3
	Serious to medium.....	.....	1	.....	1	1	.....	1	.....	1	.....	5
	Light.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	2
Vaccinated too late.....	Died.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
	Serious to medium.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Light.....	2	1	2	1	.....	.....	.....	.....	.....	.....	6
Vaccinated once.....	Died.....	.....	.....	.....	.....	.....	.....	2	4	4	.....	10
	Serious to medium.....	.....	.....	3	5	6	2	11	7	3	.....	37
	Light.....	.....	.....	6	11	13	5	11	4	5	.....	55
Revaccinated too late.....	Died.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	3
	Serious to medium.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
	Light.....	.....	.....	2	2	1	3	6	1	4	.....	19
	Not stated.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	2
Revaccinated.....	Died.....	.....	.....	.....	.....	1	5	1	.....	2	.....	9
	Serious to medium.....	.....	.....	.....	.....	7	5	6	3	1	.....	22
	Light.....	.....	.....	.....	9	17	19	19	13	5	.....	82
	Not stated.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
		28	6	31	44	60	40	67	40	29	.....	345

COPY OF STATEMENT PREPARED AT A MEETING OF BRITISH AND COLONIAL DELEGATES, BERGEN, AUGUST, 1909.

A report on the Second International Conference on Leprosy, held in Bergen, Norway, August 16 to 19, 1909, made by Passed Asst. Surg. Donald H. Currie, appeared in the Public Health Reports for September 17, 1909. The conference adopted certain resolutions, a copy of which will be found included in Doctor Currie's report.

The British and certain colonial delegates passed additional resolutions which have been printed as a part of the report of the British delegates.

These resolutions are as follows:

We, the undersigned delegates from the British and certain colonial governments unanimously approve the resolutions adopted by the

Second International Scientific Conference on Leprosy, held at Bergen, August 16 to 19, 1909. At a special meeting held by us on the 20th of August we agreed to the following additional resolutions:

1. Leprosy is spread by direct and indirect contagion from persons suffering from the disease. The possibility that indirect contagion may be effected by fleas, bugs, lice, the itch, parasites, etc., has to be borne in mind. Leprosy is most prevalent under conditions of personal and domestic uncleanness and overcrowding, especially where there is close and protracted association between the leprous and nonleprous.

2. Leprosy is not due to the eating of any particular food, such as fish.

3. There is no evidence that leprosy is hereditary; the occurrence of several cases in a single family is due to contagion.

4. In leprosy an interval of years may elapse between infection and the first recognized appearance of disease. It is a disease of long duration, though some of its symptoms may be quiescent for a considerable period and then recur.

5. The danger of infection from leprous persons is greater when there is discharge from mucous membranes or from ulcerated surfaces.

6. Compulsory notification of every case of leprosy should be enforced.

7. The most important administrative measure is to separate the leprous from the nonleprous by segregation in settlements or asylums.

8. In settlements home life may be permitted under regulation by the responsible authorities.

9. The preceding recommendations, if carried out, will provide the most efficient means of mitigating the leper's suffering and of assisting in his recovery, and at the same time will produce a reduction and ultimate extinction of the disease.

ARTHUR NEWSHOLME, M. D.,
MALCOLM MORRIS, K. C. V. O.,
Delegates of the British Government.

R. J. BULL, M. D.,
Delegate of the Commonwealth of Australia.

CHARLES F. K. MURRAY, M. D.,
Delegate for the Colonies of the Cape of Good Hope and Natal.

GEORGE TURNER,
Delegate from the Colonies of the Transvaal and Orange River.

ALLAN PERRY, M. D.,
Delegate from Ceylon.

J. E. GODFREY,
Delegate from the Colonies of British Guiana and the Bahamas.

B. GLANVILL CORNEY,
Delegate from the Colony of Fiji.

AUGUST 20, 1909.

UNITED STATES.

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

PLAGUE-PREVENTION WORK.

Infected Ground Squirrels.

During the week ended January 15, 1910, 3 plague-infected ground squirrels were found, 1 in Alameda County and 2 in Contra Costa County. During the week ended January 22, 3 infected squirrels were found in Alameda County.

Squirrel Extermination.

Passed Assistant Surgeon McCoy reports:

As the season has arrived when squirrel extermination measures may be carried on with the greatest degree of success, an effort is being made to eradicate the ground squirrels in that part of Contra Costa and Alameda counties lying in proximity to Oakland and Berkeley, the object being to create a squirrel-free zone about these cities.

With this object in view, a force of five men has been put at work poisoning rodents in the region mentioned.

It is believed that this work will be advantageous in several ways. The efforts of the service at squirrel extermination will be concentrated in a comparatively small area, but this area is one in which it is believed that there is danger of the infection spreading from squirrels to rats.

The efficiency of various methods of squirrel extermination will be ascertained and the approximate cost of applying the various measures will be learned. In this manner it may be possible in time to indicate the sum that will be necessary to carry on a campaign of squirrel destruction throughout the infected region, which already covers several thousand square miles.

That the locality chosen for this work is one that needs attention is apparent from the fact that during the first three days 2 plague-infected squirrels were found by the "poison squad" about a mile from the city of Berkeley.

This work will in no way interfere with the work of investigating the squirrels in other parts of the State, which work is going on as usual, although no new counties have been found infected since November 6, 1909, when a plague squirrel was found in Santa Cruz County, Cal.

Doctor McCoy further reports:

SAN FRANCISCO, CAL.

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

Week ended January 22. Premises inspected, 1,092. Houses destroyed, 11. Buildings condemned, 2. Nuisances abated, 140. Poisons placed, 7,600. Rats trapped, 1,780. Gophers trapped, 2. Rats found dead, 28. Rats identified, 1,808, as follows: *Mus norvegicus*, 1,279; *Mus rattus*, 110; *Mus musculus*, 346; *Mus alexandrinus*, 73. Rats examined bacteriologically, 1,519. No plague-infected rats found. Gophers examined bacteriologically, 2. No plague-infected gophers found.

OAKLAND, CAL.

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

Week ended January 22. Rats found dead, 19. Rats trapped, 615. Rats identified, 634, as follows: *Mus norvegicus*, 543; *Mus rattus*, 3; *Mus musculus*, 80; *Mus alexandrinus*, 8.

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 January 21, 1910. Total number of ground squirrels found infected to date, 58. One infected wood rat was also found.

Week ended January 22. Ranches inspected, 4. Ground squirrels found dead, 8. Rats found dead, 3. Field mice found dead, 2. Mice found dead, 1. Acres covered with poison, 681. Ground squirrels examined bacteriologically, 8. Plague-infected squirrels found, 3. Rats examined bacteriologically, 3. No plague-infected rats found. Field mice examined bacteriologically, 2. No plague-infected field mice found.

The plague-infected ground squirrels were found January 19, 20, and 21, on the N. W. Carpenter tract.

CONTRA COSTA COUNTY, CAL.

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

Week ended January 22. Dead inspected, 1. Ranches inspected, 4. Ground squirrels shot, 129. Ground squirrels examined bacteriologically, 125. No plague-infected squirrel found.

FRESNO COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 26. Ground squirrels shot, 389. Ground squirrels trapped, 11. Ground squirrels examined bacteriologically, 387. No plague-infected squirrels found.

MARIPOSA COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 13. Ground squirrels shot, 60. Ground squirrels trapped, 1. Ground squirrels examined bacteriologically, 60. No plague-infected squirrels found.

MERCED COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 15. Ground squirrels shot, 168. Ground squirrels found dead, 1. Ground squirrels trapped, 2. Rabbits shot, 29. Ground squirrels examined bacteriologically, 169. No plague-infected squirrels found. Rabbits examined bacteriologically, 29. No plague-infected rabbits found.

MONTEREY COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 37. Ground squirrels shot, 226. Ground squirrels found dead, 17. Ground squirrels trapped, 3. Kangaroo rats trapped, 3. Ground squirrels examined bacteriologically, 245. No plague-infected squirrels found. Kangaroo rats examined bacteriologically, 3. No plague-infected rats found.

SAN JOAQUIN COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 20. Ground squirrels shot, 12. Ground squirrels trapped, 7. Ground squirrels examined bacteriologically, 18. No plague-infected squirrels found.

SAN LUIS OBISPO COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 37. Ground squirrels shot, 238. Ground squirrels found dead, 10. Ground squirrels trapped, 5. Rabbits trapped, 1. Ground squirrels examined bacteriologically, 247. No plague-infected squirrels found.

SAN MATEO COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 4. Ground squirrels shot, 42. Ground squirrels examined bacteriologically, 42. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 22. Ground squirrels shot, 117. Ground squirrels trapped, 2. Ground squirrels examined bacteriologically, 114. No plague-infected squirrels found.

SANTA CLARA COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 4. Ground squirrels shot, 19. Ground squirrels examined bacteriologically, 19. No plague-infected squirrels found.

SANTA CRUZ COUNTY, CAL.

There is no record of human plague in Santa Cruz County. Last plague-infected rodent was found November 6, 1909. Total number of plague-infected rodents found to date, 1.

Week ended January 22. Ranches inspected, 17. Ground squirrels shot, 48. Ground squirrels examined bacteriologically, 45. No plague-infected squirrels found.

TULARE COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 25. Ground squirrels shot, 267. Rabbits shot, 3. Ground squirrels trapped, 5. Ground squirrels examined bacteriologically, 270. No plague-infected squirrels found. Rabbits examined bacteriologically, 3. No plague-infected rabbits found.

VENTURA COUNTY, CAL.

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

Week ended January 22. Ranches inspected, 12. Ground squirrels shot, 80. Ground squirrels trapped, 1. Field mice trapped, 3. Ground squirrels examined bacteriologically, 79. No plague-infected squirrels found. Field mice examined bacteriologically, 3. No plague-infected mice found.

SEATTLE, WASH.

Passed Assistant Surgeon Glover reports:

No case of human plague since October 30, 1907. The last plague-infected rat was found September 26, 1908. Total plague-infected rats found to date, 21.

Week ended January 22. Rats received, 1,130. Rats necropsied, 1,007. No plague-infected rats found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended February 11, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Jan. 23-29.....	2		
Montgomery.....	Jan. 23-29.....	42		
Arkansas:				
Argenta.....	Jan. 22-28.....	5		
Lonoke.....	Jan. 6-20.....	2		
California:				
Los Angeles.....	Jan. 12-22.....	1		
District of Columbia.....	Jan. 23-29.....	3		
Kentucky:				
Lexington.....	Jan. 23-29.....	1		
Louisiana:				
New Orleans.....	Jan. 23-29.....	7		
Shreveport.....	Jan. 23-29.....	5		
Maryland:				
Dorchester County.....	Dec. 3-31.....	4		
Garrett County.....	Jan. 8-31.....	1		
Michigan:				
Alcona County.....	Dec. 1-31.....	13		
Antrim County.....	Dec. 1-31.....	9		
Arenac County.....	Dec. 1-31.....	23		
Bay County.....	Dec. 1-31.....	42		
Delta County.....	Dec. 1-31.....	1		
Genesee County.....	Dec. 1-31.....	44		
Gladwin County.....	Dec. 1-31.....	6		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended February 11, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Houghton County.....	Dec. 1-31.....	11		
Ingham County.....	Dec. 1-31.....	1		
Ionia County.....	Dec. 1-31.....	9		
Iosco County.....	Dec. 1-31.....		1	
Kent County.....	Dec. 1-31.....	3		
Livingston County.....	Dec. 1-31.....	3		
Midland County.....	Dec. 1-31.....	1		
Montgomery County.....	Dec. 1-31.....	32		
Osceola County.....	Dec. 1-31.....	5		
Otsego County.....	Dec. 1-31.....	1		
Presque Isle County.....	Dec. 1-31.....	1		
Saginaw County.....	Dec. 1-31.....	6		
Shiawassee County.....	Dec. 1-31.....	1		
Wayne County.....	Dec. 1-31.....	3		
Minnesota:				
Becker County.....	Jan. 4-10.....	3		
Beltrami County.....	Jan. 4-10.....	1		
Mower County.....	Jan. 4-10.....	2		
Rock County.....	Jan. 4-10.....	2		
St. Louis County.....	Jan. 4-10.....	3		
Wright County.....	Jan. 4-10.....	1		
Mississippi:				
Holly Springs.....	Jan. 23-29.....	4		
Missouri:				
Andrew County.....	Jan. 23-29.....	3		
St. Joseph.....	Jan. 16-22.....	2		
St. Louis.....	Jan. 23-29.....	5		
New York:				
Lewis County.....	Jan. 1-31.....	1		
Niagara County.....	Jan. 1-31.....	9		
Oneida County.....	Jan. 1-31.....	1		
St. Lawrence County.....	Jan. 1-31.....	9		
Ulster County.....	Jan. 1-31.....	2		
Westchester County.....	Jan. 1-31.....	1		
North Carolina:				
Bladen County.....	Nov. 1-30.....	12		
Catawba County.....	Nov. 1-30.....	3		
Chowan County.....	Nov. 1-30.....	1		
Craven County.....	Nov. 1-30.....	3		
Currituck County.....	Nov. 1-30.....	2		
Davidson County.....	Nov. 1-30.....	3		
Duplin County.....	Nov. 1-30.....	1		
Forsyth County.....	Nov. 1-30.....	18		
Gaston County.....	Nov. 1-30.....	1		
Greene County.....	Nov. 1-30.....	15		
Guilford County.....	Nov. 1-30.....	2		
Johnston County.....	Nov. 1-30.....	6		
Jones County.....	Nov. 1-30.....	6		
McDowell County.....	Nov. 1-30.....	10		
Mecklenburg County.....	Nov. 1-30.....	21		
Nash County.....	Nov. 1-30.....			Many cases.
Rockingham County.....	Nov. 1-30.....	6		
Rowan County.....	Nov. 1-30.....	3		
Rutherford County.....	Nov. 1-30.....	10		
Surry County.....	Nov. 1-30.....	4		
Union County.....	Nov. 1-30.....	5		
Wake County.....	Nov. 1-30.....	8		
Wayne County.....	Nov. 1-30.....	8		
Wilson County.....	Nov. 1-30.....	44		
Tennessee:				
Chattanooga.....	Jan. 23-29.....	5		
Knoxville.....	Jan. 23-29.....	4		
Memphis.....	Jan. 2-31.....	71		
Virginia:				
Portsmouth.....	Jan. 23-29.....	1		
Washington:				
Spokane.....	Jan. 16-22.....	4		

Smallpox in Arkansas.

Acting Assistant Surgeon Gibson reports, February 2:
 Under date of January 20, 1910, the Arkansas Gazette states that the school board of Blevins (Hempstead County) has ordered the public school closed for two weeks on account of smallpox. The number of cases is not stated. The same paper under date of Janu-

ary 25, 1910, says that "at a meeting of the board of health here" (Jonesboro, Craighead County) "it was decided to have free vaccination for citizens of this city, and steps are to be taken to make such vaccination compulsory. Thirty-nine cases of smallpox have been reported at Blytheville" (Mississippi County). Mississippi County is in the extreme northeastern part of the State and Hempstead County in the southwest.

Reports Received from January 1 to February 4, 1910.

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

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham.....	Jan. 9-22.....	9		
Mobile.....	Jan. 16-22.....	3		
Montgomery.....	Dec. 19-Jan. 22.....	190		
Total for State.....		202		
California:				
Berkeley.....	Dec. 26-Jan. 1.....	1		
Oakland.....	Dec. 26-Jan. 1.....	1		
Sacramento.....	Dec. 12-18.....	2		
San Francisco.....	Dec. 19-Jan. 22.....	7		
Total for State.....		11		
Colorado:				
Boulder.....	Dec. 19-25.....	1		
Fruita District.....	Dec. 26-Jan. 1.....	3		
Rocky Ford.....	Jan. 9-15.....	1		
Total for State.....		5		
District of Columbia:				
District of Columbia.....	Dec. 19-Jan. 15.....	3		
Total for District.....		3		
Illinois:				
Chicago.....	Dec. 19-25.....	2		
Total for State.....		2		
Indiana:				
Adams County.....	Oct. 1-31.....	4		
Allen County.....	Oct. 1-Dec. 31.....	156	1	
Carroll County.....	Nov. 1-30.....	1		
Clark County.....	Dec. 1-31.....	19		
Clinton County.....	Dec. 1-31.....	4		
Davless County.....	Nov. 1-Dec. 31.....	8		
DeKalb County.....	Dec. 1-31.....	2		
Delaware County.....	Oct. 1-Nov. 30.....	20		
Grant County.....	Oct. 1-Dec. 31.....	28		
Greene County.....	Oct. 1-31.....	6		
Jefferson County.....	Nov. 1-30.....	1		
Knox County.....	Oct. 1-31.....	7		
Laporte County.....	Dec. 1-31.....	1		
Marion County.....	Dec. 1-31.....	1		
Marshall County.....	Oct. 1-Dec. 31.....	40		
Noble County.....	Nov. 1-Dec. 31.....	2		
Randolph County.....	Oct. 1-31.....	1		
St. Joseph County.....	Oct. 1-Dec. 31.....	17		
Shelby County.....	Dec. 1-31.....	1		
Stauben County.....	Nov. 1-Dec. 31.....	3		
Tippecanoe County.....	Dec. 1-31.....	1		
Vanderburg County.....	Oct. 1-31.....	8		
Warren County.....	Nov. 1-30.....	1		
Wayne County.....	Nov. 1-30.....	1		
Total for State.....		333	1	
Iowa:				
Cedar Rapids.....	Dec. 1-31.....	7		
Sioux City.....	Dec. 1-31.....	2		
Total for State.....		9		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 4, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Clay County.....	Nov. 1-30.....	1		
Cloud County.....	Nov. 1-30.....	1		
Cowley County.....	Nov. 1-30.....	3		
Decatur County.....	Nov. 1-30.....	2		
Graham County.....	Nov. 1-30.....	20		
Lane County.....	Nov. 1-30.....	1		
Montgomery County.....	Nov. 1-30.....	6		
Norton County.....	Nov. 1-30.....	30		
Reno County.....	Nov. 4-30.....	16		
Scott County.....	Nov. 1-30.....	2		
Shawnee County—				
Topeka.....	Nov. 1-30.....	1		
Sheridan County.....	Nov. 1-30.....	5		
Sumner County.....	Nov. 1-30.....	9		
Wabaunsee County.....	Nov. 1-30.....	3		
Wilson County.....	Nov. 1-30.....	2		
Total for State.....		102		
Kentucky:				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 15.....	3		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		6		
Louisiana:				
New Orleans.....	Dec. 26-Jan. 22.....	19		
Total for State.....		19		
Maryland:				
Baltimore.....	Dec. 26-Jan. 1.....	1		
Total for State.....		1		
Michigan:				
Alcona County.....	Nov. 1-30.....	12		
Antrim County.....	Nov. 1-30.....	11		
Arenac County.....	Nov. 1-30.....	66		
Bay County.....	Nov. 1-30.....	4		
Emmet County.....	Nov. 1-30.....	2		
Genesee County.....	Nov. 1-30.....	60		
Gladwin County.....	Nov. 1-30.....	1		
Gratiot County.....	Nov. 1-30.....	1		
Houghton County.....	Nov. 1-30.....	11		
Ionia County.....	Nov. 1-30.....	23		
Lapeer County.....	Nov. 1-30.....	2		
Livingston County.....	Nov. 1-30.....	7		
Marquette County.....	Nov. 1-30.....	1		
Mason County.....	Nov. 1-30.....	1		
Montcalm County.....	Nov. 1-30.....	3		
Ontonagon County.....	Nov. 1-30.....	2		
Sanilac County.....	Nov. 1-30.....	2		
Total for State.....		209		
Minnesota:				
Beltrami County.....	Dec. 21-27.....	1		
Benton County.....	Dec. 14-20.....	7		
Blue Earth County.....	Dec. 21-27.....	1		
Carver County.....	Dec. 7-Jan. 3.....	4		
Goodhue County.....	Dec. 28-Jan. 3.....	1		
Hennepin County.....	Dec. 28-Jan. 3.....	5		
Itasca County.....	Dec. 14-20.....	1		
Kandiyohi County.....	Dec. 7-13.....	1		
Mower County.....	Dec. 28-Jan. 3.....	1		
Ottertail County.....	Dec. 21-27.....	2		
Polk County.....	Dec. 7-13.....	1		
Red Lake County.....	Dec. 7-13.....	1		
Renville County.....	Dec. 7-13.....	1		
Rock County.....	Dec. 7-27.....	13		
Roseau County.....	Dec. 7-Jan. 3.....	12		
St. Louis County.....	Dec. 7-27.....	3		
Sibley County.....	Dec. 7-13.....	4		
Todd County.....	Dec. 28-Jan. 3.....	1		
Wabasha County.....	Dec. 7-13.....	1		
Watonwan County.....	Dec. 28-Jan. 3.....	1		
Wright County.....	Dec. 7-Jan. 3.....	14		
Total for State.....		76		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 4, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Mississippi:				
Biloxi.....	Jan. 2-15.....	3		
Gulfport.....	Jan. 26.....	6		
Holly Springs.....	Jan. 2-8.....	2		
Natchez.....	Dec. 26-Jan. 22.....	39	1	
Calbarne County— Port Gibson.....	Dec. 19-25.....	1		
Total for State.....		51	1	
Missouri:				
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-22.....	6		
St. Joseph.....	Jan. 2-15.....	5		
St. Louis.....	Dec. 26-Jan. 22.....	7		
Total for State.....		19		
Montana:				
Dawson County.....	Nov. 1-30.....	1		
Flathead County.....	Oct. 1-Nov. 30.....	6		
Jefferson County.....	Nov. 1-30.....	1		
Lewis and Clark County.....	Oct. 1-Nov. 30.....	3		
Missoula County.....	Oct. 1-Nov. 30.....	22		
Park County.....	Nov. 1-30.....	1		
Powell County.....	Nov. 1-30.....	1		
Ravalli County.....	Nov. 1-30.....	2		
Silver Bow County.....	Oct. 1-Nov. 30.....	15		
Butte.....	Dec. 19-31.....	14		
Total for State.....		66		
Nebraska:				
South Omaha.....	Dec. 5-11.....	3		
Total for State.....		3		
New York (entire State):				
Cattaraugus County.....	Sept. 1-Nov. 30.....	33	1	
Cayuga County.....	Dec. 1-31.....	1		
Erie County.....	Dec. 1-31.....	17		
Jefferson County.....	Dec. 1-31.....	1		
Lewis County.....	Dec. 1-31.....	1		
Niagara County.....	Dec. 1-31.....	31		
Oneida County.....	Dec. 1-31.....	1		
Total for State.....		86	1	
North Carolina:				
Catawba County.....	Oct. 1-31.....	2		
Chowan County.....	Oct. 1-31.....	1		
Currituck County.....	Oct. 1-31.....	2		
Davidson County.....	Oct. 1-31.....	4		
Forsyth County.....	Oct. 1-31.....	4		
Franklin County.....	Oct. 1-31.....	15		
Jones County.....	Oct. 1-31.....	3		
Robeson County.....	Oct. 1-31.....	1		
Surry County.....	Oct. 1-31.....	1		
Union County.....	Oct. 1-31.....	2		
Yadkin County.....	Oct. 1-31.....	1		
Total for State.....		36		
North Dakota:				
Bottineau County.....	Oct. 1-31.....	1		
Cass County.....	Dec. 1-31.....	1		
McLean County.....	Dec. 1-31.....	2		
Total for State.....		4		
Ohio:				
Cleveland.....	Dec. 19-26.....	1		
Stryker.....	Dec. 19-25.....	1		
Total for State.....		2		
Oklahoma:				
Beckham County.....	Nov. 1-30.....	1		
Blaine County.....	Dec. 1-31.....	7		
Coal County.....	Aug. 1-Sept. 30.....	10		
Comanche County.....	Nov. 1-30.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 4, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
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	
Oregon:				
Portland	Nov. 1–30	2		
Total for State		2		
Pennsylvania (entire State)				
	Dec. 1–31	2		
South Carolina:				
Clover	Jan. 23–29	3		
Total for State		3		
Tennessee:				
Chattanooga	Dec. 26–Jan. 22	16		
Knoxville	Jan. 2–22	16		
Memphis	Nov. 1–30	20		
Dekalb County	Dec. 12–Jan. 1	9		
Washington County	Dec. 26–Jan. 1	7		
Total for State		68		
Texas:				
El Paso	Nov. 1–Jan. 1	3		
Fort Worth	Nov. 1–Dec. 31	5		
San Antonio	Dec. 5–25	5		
Denton County	Dec. 26–Jan. 1	9		
Total for State		22		
Virginia:				
Portsmouth	Jan. 16–22	1		
Richmond	Dec. 1–31	1		
Total for State		2		
Washington:				
Seattle	Jan. 2–22	6		
Spokane	Dec. 19–Jan. 15	8		
Tacoma	Jan. 2–8	1		
Wahkeakum County	Dec. 1–31	8		
Total for State		23		
Wisconsin:				
La Crosse	Dec. 19–Jan. 1	2		
Milwaukee	Dec. 19–Jan. 1	2		
Superior	Dec. 19–Jan. 1	6		
Total for State		10		
Grand total for the United States		1,516	4	

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.
Allentown, Pa.	Dec. 11	47,001	18	4			5		8	2					
Do.	Dec. 18		17	1	2	1	5		5	1	1				
Do.	Dec. 25		9	2	1	1	6		5						
Do.	Jan. 1		14	1	1		10	1	2	1					
Do.	Jan. 8		13	1	1	2	4		2					1	
Do.	Jan. 22		13	3		1	2		3		3				
Altoona, Pa.	Jan. 29	50,814	9	3	1		1		2		2				
Ann Arbor, Mich.	Jan. 22	14,711	12	1		1	1							1	
Ashtabula, Ohio	Jan. 29	16,648	5												
Auburn, N. Y.	Jan. 15	34,272	7		1		4		2	1				1	
Do.	Jan. 22		10	4			4		4		1			1	
Baltimore, Md.	Jan. 29	576,023	249	76	44	11	1	29	14	4	16			18	
Bath, Me.	do.	12,055							2		1			1	
Bayonne, N. J.	do.	49,894						4			3			1	
Beaver Falls, Pa.	do.	10,341	1			1					4			4	
Berkeley, Cal.	Jan. 22	19,700	8		1	1		3			4			1	
Biddeford, Me.	Jan. 29	17,676	8						1	1					
Biloxi, Miss.	Jan. 22		5												
Boston, Mass.	do.	622,970	255	60	27	6	2	40	1	63	5	115	2	5	1
Do.	Jan. 29		232	68	28	5		65	1	63	4	105	2	7	1
Braddock, Pa.	Jan. 8	21,000	8					4	1						
Do.	Jan. 15		5				1	3	1	1					
Do.	Jan. 22		5		1										
Do.	Jan. 29		9	2	1			1		1					
Bradford, Pa.	do.	17,349	3												
Bridgeport, Conn.	Jan. 22	90,913	31	2	3	2		24		3					
Brockton, Mass.	do.	53,978	9	3	2			7	1	2					
Do.	Jan. 29		15	5	3			12		1					
Butler, Pa.	Jan. 22	12,760	4									2			
Do.	Jan. 29				1					2					
Cambridge, Mass.	Jan. 22	101,872	30	4	7			3	12		3				
Do.	Jan. 29		37	14	7	1		7	15	2	3				1
Cambridge, Ohio	do.	11,733									5				
Camden, N. J.	do.	89,305	26	1	2			5		4					
Canton, Ohio	do.	40,037	16					3		2					
Carbondale, Pa.	do.	15,698	5									8			
Chattanooga, Tenn.	Jan. 22	34,654		3											
Chelsea, Mass.	Jan. 29	39,862	5					2				1			
Chicopee, Mass.	do.	20,010	4	2								8			
Cincinnati, Ohio.	Jan. 22	351,212	125	24	17	3		7		4	43	1	8		
Cleveland, Ohio.	Jan. 28	506,938	167	27	18	4	3	19	1	18	4	161	3	5	
Clinton, Mass.	Jan. 29	12,656	4												
Columbus, Ga.	do.	17,893	13		2		1								
Columbus, Ohio.	do.	155,340	42	13	5	1		5		4		28		1	
Concord, N. H.	Jan. 22	21,997	14					3	1	1		13			
Do.	Jan. 29		11		2				1	1		11			
Covington, Ky.	do.	51,715	10	2					1	1				1	
Danville, Ill.	do.	27,387	5	1	1			2				9		1	
Duluth, Minn.	do.	74,520	25	4	3	1		20	2	2		5		5	
Dunkirk, N. Y.	Jan. 22	18,061	4		1				1	1		5			
Do.	Jan. 29		4					2	1	5					
Elizabeth, N. J.	Nov. 6	67,470	19		4	1		4		2		2		5	
Do.	Nov. 13		21		2	1	1	6		5		4		4	
Do.	Nov. 20		22		3	1		4		4	1	3		1	
Do.	Nov. 27		25		2			3		9		7			
Do.	Dec. 4		19			2		4		6		7		5	
Do.	Dec. 11		24					5		5	1	3		1	
Do.	Dec. 18		22			1		11		8	2	1		1	
Do.	Dec. 25		25		2		2	9	1	7		2		1	
Do.	Jan. 1		30		4			8		6		8			
Do.	Jan. 8		21		2			7		3	1	7		1	1
Do.	Jan. 15		27		1			7		5		17		2	
Do.	Jan. 22		28		6			12		3		5			
Elmira, N. Y.	Jan. 29	35,765	8			1	2	1		9		4			
Elyria, Ohio.	Jan. 15	11,653	5			1		1							
Do.	Jan. 29		6												
Evansville Ind.	do.	66,948	17	3	6	2		5		3		4			

• Estimated population 1906. No estimate 1909.

MORBIDITY AND MORTALITY—Continued.

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

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuber- culosis.		Typhoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Everett, Mass.	Jan. 21	32,931	8	1	1			6		2					
Do.	Jan. 29		5	2		1		1			1		1		
Fall River, Mass.	do.	106,481	47	5	4			2		2					
Fort Wayne, Ind.	do.	54,180	17					1		1	1	5			
Freeport, Ill.	do.	19,200	6		1							6			
Galesburg, Ill.	do.	21,615	3												
Gloucester, Tex.	do.	36,964	1	4	1	1				4					
Gloucester, Mass.	do.	25,923	7												
Grand Rapids, Mich.	do.	105,909	44	3	4	3	1	25	1	1		16			
Hartford, Conn.	Jan. 22	103,808	34	1	3					3	3	3			
Do.	Jan. 29		33	3	4	2				3	1			2	1
Haverhill, Mass.	Jan. 10	38,354	14	5	2	1		10		5	1	3			
Hyde Park, Mass.	Jan. 29	15,522	4			1		2							
Indianapolis, Ind.	Jan. 22	241,826	67	9	5	3	2	9		5		159		1	
Jacksonville, Fla.	Jan. 29	40,798	26	2	1	5		2		2					
Jersey City, N. J.	Jan. 23	253,711	80	1	10			30	1	10	1	5			
Do.	Jan. 30		84		6			36	1	12		9			
Johnstown, Pa.	Jan. 29	46,320	10		2			3		4		21		3	
Joplin, Mo.	Jan. 22	44,995	13		3										
Do.	Jan. 29		18		2			1							
Kalamazoo, Mich.	Jan. 22	36,504	10		1	1		14		4	1	7			
Do.	Jan. 29		10	3	1	1		5		2		1			
Kansas City, Kans.	Jan. 22	85,742	24	1	2	8	1	7		9	5	22			
Kansas City, Mo.	do.	191,685	45	1	4	35	2	30		16	1	73			1
Kearny, N. J.	Jan. 29	15,765	5	1				2		1		10			
Kingston, N. Y.	Jan. 22	20,110	10												
Do.	Jan. 29		12		1	1		4		2		1			
Knoxville, Tenn.	Jan. 15	37,758	16		3					2	1	1			
Do.	Jan. 22									2		1			
Lackawanna, N. Y.	do.		6		2					2		25		1	
Do.	Jan. 29		7	1				1	1			7		2	
La Fayette, Ind.	do.	19,801	5												
Lancaster, Pa.	do.	49,692	10	5				4		1		37		1	
Lawrence, Mass.	Jan. 22	76,042	32	6	3	3		3		3		19		2	
Do.	Jan. 29		34	3	3	3		5		8	1	9			
Lebanon, Pa.	do.	20,295	7					1		1		1			
Lowell, Mass.	do.	95,125	30	5	2	3		1		4	1	54		1	
Lynchburg, Va.	do.	29,457													
Malden, Mass.	Jan. 22	41,535	13		2	1		5		2		16			
Manistee, Mich.	Jan. 29	10,788		1				2		1	3	2			
Manitowoc, Wis.	Jan. 22	13,490				1	1	7		3					
Do.	Jan. 29		4		1			3		2					
Mansfield, Ohio	do.	21,390										27			
Marinette, Wis.	Jan. 29	14,682	3	1	1	1		2		1					
Marlboro, Mass.	Jan. 22	14,444	4					3		2		2			
Massillon, Ohio.	Jan. 29	13,610	4		1			2							
Medford, Mass.	do.	20,839	2					1							
Melrose, Mass.	Jan. 22	15,361	1	1		1		2		2					
Mobile, Ala.	do.	45,122	26		7	1				1					
Moline, Ill.	Jan. 29	23,081	5		1	1									
Montclair, N. J.	Jan. 22	18,296	10	1	2	1		4	1					2	
Do.	Jan. 29		3		1			12						4	
Monticello, Ind.	Jan. 22		1											2	
Do.	Jan. 29		0											2	
Mount Vernon, N. Y.	do.	27,891	8	1	1	1		16						5	
Muncie, Ind.	do.	30,266	14		2							12			
Muskegon, Mich.	do.	20,995										4			
Nanticoke, Pa.	Jan. 30	13,980	4			1				1					
Nashville, Tenn.	Jan. 29	106,476	50	5	5	2		1		2					
Natchez, Miss.	Jan. 22	14,108	2	1										1	1
Nebraska City, Nebr.	Jan. 29		2			3									
Newark, N. J.	do.	308,669	100	11	19			49	3	37	2				
New Bedford, Mass.	do.	83,898	28	6	5			9				38			
Newburyport, Mass.	do.	14,832	7	1											
New Orleans, La.	Jan. 22	327,662	152	18	17	5		15		26	2	24	1		
Newport, Ky.	Jan. 29	31,345	11							1					
New York City, N. Y.	do.	4,450,963	1,495	552	187	27	7	694	33	498	48	1,065	15	43	2
Niagara Falls, N. Y.	do.	32,012	14	2		15	2	1				32			
Norristown, Pa.	do.	24,491	7	1		2	1	3		1	1				
North Adams, Mass.	do.	20,510	4		2										
Northampton, Mass.	do.	21,008	10												
Orange, N. J.	Jan. 29	27,669	7	2				2		1		12			

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.		Tuber- culosis.		Typhoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Palmer, Mass.	Jan. 29	15,473	6						1		4			2		
Peekskill, N. Y.	do.	32,451	5	1					5		1		16			
Perth Amboy, N. J.	do.	558,123					8				2					
Philadelphia, Pa.	do.	1,491,082	88	65	77	14	53	4	73	5	23	2	17	5	2	
Pittsburg, Pa.	Jan. 8	27,589	222	30	15	7	1	35	2	12	3	286	5	5		
Pittsfield, Mass.	Jan. 29	20,947	13	1	1		1		1		1		3			
Plainfield, N. J.	do.	17,524	8	2			1		1		1		4			
Plymouth, Pa.	Jan. 30	12,819					1		1		1		13			
Pontiac, Mich.	Jan. 22	11,336	9		1		1		1		4					
Portsmouth, N. H.	Jan. 29	19,225									3					
Portsmouth, Va.	Jan. 22	11,336	8		1			2					1			
Pottstown, Pa.	do.	217,065	4		1				1		1		1			
Do	Jan. 29	32,840	4		1						1		6		2	
Providence, R. I.	do.	97,231	78	9	6	1		8		5	1	36	2			1
Racine, Wis.	do.	24,766	10						2		2					
Reading, Pa.	Jan. 31	24,596	34		2	2		2		2		47		7		
Rock Island, Ill.	Jan. 22		8					1		2						
Do	Jan. 29		5													
San Jose, Cal.	Jan. 22	13,471	7													
Saratoga Springs, N. Y.	Jan. 29	104,169	3	1		2										
Seattle, Wash.	Jan. 8	686,369	39	3	4			13	1	6	1	3				
Do	Jan. 15		46	2	5	3		13	1	4	1	4				
Do	Jan. 22		47	4	6	9	3	16	1	7	1	10				
St. Louis, Mo.	do.		208	63	18	6	3	40	1	32	1	14			11	3
Sandusky, Ohio.	Jan. 29		2		2			1		1						
San Francisco, Cal.	Jan. 15	342,782	138	49	21	4		21		11	2	16			14	
Do	Jan. 22		136	34	9	5		16		18		19			10	
Schenectady, N. Y.	Jan. 22	73,037	16	2	1	1		3		3	1	190	3			
Somerville, Mass.	Jan. 29	75,375	28	2	1	1		9		9	1	9				
South Bethlehem, Pa.	do.	15,886	7	3	1	1		2		2	1					
Spokane, Wash.	Jan. 15	47,006	23		2			8		1		9				
Springfield, Mass.	Jan. 29	82,724	21	3	1	2		6		10	2	3			4	
Springfield, Ohio.	do.	43,975	14	4	2			3		2		1				
Steelton, Pa.	do.	14,769	3	1				1		3		4			1	
Superior, Wis.	do.	40,919	8					4								
Tacoma, Wash.	Jan. 22	37,714	17		1			2				2				
Taunton, Mass.	Jan. 29	30,926	16		1			7				10				
Terre Haute, Ind.	do.	55,509	22		2					2		6			3	
Titusville, Pa.	Jan. 23	8,397	4			1										
Toledo, Ohio.	Jan. 8	174,059	40		5	2		3		4		103	1			
Do	Jan. 15		43		5	8	1	4		7		47	1			1
Do	Jan. 22		46		5	7		2				98				
Trenton, N. J.	Jan. 29	92,878	4	5	2	3		9		9	2					
Utica, N. Y.	do.	69,458	21	2	2					4	2	16			1	
Waltham, Mass.	do.	28,522	13							4		2				
Warren, Ohio.	do.	11,838	2									39				
Washington, D. C.	Jan. 22	322,212	142	32	9	11		71		16	2	3	1	20		
Weymouth, Mass.	Jan. 29	11,793	4													
West Newton, Mass.	do.	39,419	11	4				1		3						
Wichita, Kans.	Jan. 22	39,612	12			1						4				
Do	Jan. 29		13			1	1		1			1				
Wilkes-Barre, Pa.	do.	64,323	25	4		1	2	4		7					19	
Wilksburg, Pa.	do.	19,999	5	3		1		2				2			3	
Williamsport, Pa.	do.	30,220	6					10				1				
Wilmington, Del.	do.	88,980	27		6											1
Winona, Minn.	do.	20,830	12													
Woburn, Mass.	do.	14,520	3													
Worcester, Mass.	Jan. 8	135,906	47	10	4	2	1	5		30	1	2			15	1
Do	Jan. 15		36	4	1	2		1		10	2	5			9	
Do	Jan. 29		23		4			18	1	5	1					
Yonkers, N. Y.	do.	72,200	5		1			1		1		30				
York, Pa.	do.	41,895														
Zanesville, Ohio.	do.	25,614	11		1	7										

a Estimated population 1906. No estimate 1909.

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

CALIFORNIA.—Month of October, 1909. Population, 1,485,053. Total number of deaths from all causes 2,545, including typhoid fever 47, measles 12, scarlet fever 6, diphtheria 19, tuberculosis 375.

San Francisco, city and county.—Month of December, 1909. Population, 475,000. Total number of deaths from all causes 570, including typhoid fever 4, measles 1, diphtheria 6, tuberculosis 69. Cases reported: Typhoid fever 24, smallpox 6, measles 55, scarlet fever 50, diphtheria 51, tuberculosis 136.

FLORIDA—*Pensacola.*—Month of January, 1910. Population, 35,000. Total number of deaths from all causes 4, including typhoid fever 1, tuberculosis 3.

KENTUCKY—*Henderson.*—Month of January, 1910. Population, 17,500. Total number of deaths from all causes 26, including tuberculosis 5. Cases reported: Typhoid fever 3, measles 2, scarlet fever 3, diphtheria 2, tuberculosis 7.

Louisville.—Year, 1909. Population, 204,731. Total number of deaths from all causes 3,783, including typhoid fever 96, measles 3, scarlet fever 21, diphtheria 26, tuberculosis 490.

IOWA—*Davenport.*—Month of January, 1910. Population, 45,000. Total number of deaths from all causes not reported. Diphtheria 1 death, tuberculosis 3 deaths. Cases reported: Typhoid fever 3, scarlet fever 2, diphtheria 11, tuberculosis 5.

MAINE—*Portland.*—Four weeks ended January 8, 1910. Population, 62,000. Total number of deaths from all causes 88, including typhoid fever 1, diphtheria 1, tuberculosis 9. Cases reported: Typhoid fever 5, scarlet fever 1, diphtheria 18.

MARYLAND—*Baltimore.*—Month of November, 1909. Population, 581,000. Total number of deaths from all causes 772, including typhoid fever 10, scarlet fever 1, diphtheria 8, tuberculosis 100. Cases reported: Typhoid fever 61, measles 28, scarlet fever 41, diphtheria 87, tuberculosis (pulmonary) 59.

Month of December, 1909. Total number of deaths from all causes 873, including typhoid fever 9, measles 1, scarlet fever 5, diphtheria 6, tuberculosis 118, pellagra 1. Cases reported: Typhoid fever 66, measles 40, scarlet fever 74, diphtheria 62, tuberculosis (pulmonary) 60.

MICHIGAN.—Month of December, 1909. Population reporting, 2,499,173. Total number of deaths from all causes 2,847, including typhoid fever 47, smallpox 1, measles 8, scarlet fever 37, diphtheria 31, tuberculosis 168.

NEW JERSEY.—Month ended January 10, 1910. Population, 1,883,669. Total number of deaths from all causes 3,045, including typhoid fever 28, measles 22, scarlet fever 29, diphtheria 81, tuberculosis 341.

NORTH CAROLINA.—Reports from the State Board of Health for the month of November, 1909, show typhoid fever present in 43 counties, smallpox in 24 counties, measles in 11 counties, diphtheria in 61 counties, pellagra in 3 counties.

NORTH DAKOTA.—Month of December, 1909. Population, 319,146. Total number of deaths from all causes 219, including typhoid fever 5, scarlet fever 2, diphtheria 1, tuberculosis 1. Cases reported: Typhoid fever 20, smallpox 3, measles 101, scarlet fever 54, diphtheria 55, tuberculosis 3.

OHIO—Tiffin.—Month of January, 1910. Population, 10,989. Number and causes of deaths not reported. Cases reported: Typhoid fever 4, measles 1, diphtheria 1.

OKLAHOMA.—Month of November, 1909. Population, 398,331. Total number of deaths from all causes 900, including typhoid fever 117, scarlet fever 1, diphtheria 29, tuberculosis 53. Cases reported: Typhoid fever 520, smallpox 41, scarlet fever 104, diphtheria 216, tuberculosis 122.

PENNSYLVANIA—Titusville.—Year, 1909. Population, 8,244. Total number of deaths from all causes 138, including typhoid fever 3, scarlet fever 3, tuberculosis 7. Cases reported: Typhoid fever 13, measles 4, scarlet fever 80, diphtheria 5, tuberculosis (pulmonary) 7.

VIRGINIA—Richmond.—Month of December, 1909. Population, 115,701. Total number of deaths from all causes 202, including typhoid fever 1, tuberculosis 20. Cases reported: Typhoid fever 13, smallpox 1, scarlet fever 19, diphtheria 26, tuberculosis 22.

FOREIGN AND INSULAR.

CHINA.

AMOY—Smallpox.

Passed Assistant Surgeon Foster reports, December 29:

Week ended December 25, 1909. No bills of health issued. One death from smallpox occurred in the international settlement of Kulangsu.

SHANGHAI—Inspection of Vessels—Smallpox.

Acting Assistant Surgeon Ransom reports December 22 and 28:

Week ended December 18. Supplemental bills of health issued to 3 steamships having a total personnel of 449. Two vessels with a total of 161 in crew inspected. Manifests viséed for 6,218 pieces of freight. The weekly report of the municipal health officer shows 1 death from smallpox among natives.

Week ended December 25. Supplemental bills of health issued to 2 steamships with a total personnel of 323. One vessel with 41 in crew and 4 steerage passengers inspected. Four emigrants per steamship *Siberia* for San Francisco examined and passed; 14 pieces of baggage disinfected; manifests viséed for 12,742 pieces of freight.

CUBA.

CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, January 25:

Week ended January 22. Vessels inspected, 6; bills of health issued, 6; members of crews of outgoing vessels inspected, 186; members of crews landed, 1; taken on at this port, 1; passengers landed, 36.

No quarantinable disease reported.

HABANA—Inspection of Vessels.

Acting Assistant Surgeon Villoldo reports, January 26:

Week ended January 22. Bills of health issued, 31; vessels inspected, 26; members of crews of outgoing vessels inspected, 1,165; passengers of outgoing vessels inspected, 555; certificates of inspection of hides issued, 5.

The department of sanitation reports for the period from January 11 to 20, 28,642 houses inspected and 12,098 water deposits petrolled or destroyed.

No quarantinable disease reported.

ECUADOR.

GUAYAQUIL—Plague and Yellow Fever—Fumigation of Vessels.

Passed Assistant Surgeon Parker reports, January 1:

Week ended January 1.

Disease.	Locality.	Pre-viously reported.	New cases.	Cured.	Died.	Remain-ing.
Plague.....	Guayaquil.....	50	70	50	24	46
Yellow fever.....	do.....	4	29	9	10	14
Plague.....	Babahoyo.....	3	9	2	0	10

During the week ended January 1, 1910, 3 vessels were fumigated to kill rats, fleas, and mosquitoes. Of these vessels 2 were bound for the Canal Zone and 1 for San Francisco and Seattle.

HAWAII.

HONOLULU—Plague-prevention Work.

Chief Quarantine Officer Hobby reports, January 17:

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

Week ended January 15.

Total rats taken.....	530
Trapped.....	430
Found dead.....	0
Shot from trees.....	100
Examined bacteriologically.....	384
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus.....	42
Mus musculus.....	189
Mus norvegicus.....	45
Mus rattus.....	154
Classification of rats shot from trees:	
Mus alexandrinus.....	23
Mus rattus.....	69
Average number of traps set daily.....	1,294

HILO.

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

Smallpox on vessels at Honolulu.—Passed Assistant Surgeon Ramus reports, February 4: The U. S. S. *Washington* arrived January 31 from Yokohama with 2 cases of smallpox. One of the patients died after removal to the quarantine station. February 2 the steamship *Makura* arrived with 1 case of smallpox in the steerage.

INDIA.

CALCUTTA—Cholera, Plague, and Smallpox.

Acting Assistant Surgeon Allan reports, January 6:

Week ended December 18. In Calcutta there were 24 deaths from cholera, 6 from plague, and 3 from smallpox; in all Bengal, 458 cases of plague with 366 deaths; in all India, 7,331 cases of plague with 6,159 deaths.

MADRAS—Recrudescence of Plague.

Consul Stewart reports, December 30:

There is a recrudescence of plague in India, especially in the northern provinces.

JAVA.**BATAVIA—District Declared Free from Cholera.**

The following was received from the Department of State under date of February 4:

The consul at Batavia reports that the Batavia district was declared free from cholera December 17.

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 14, 1905, the acting president of the superior board of health of Mexico reports, January 17 and 24, that no case of yellow fever and no death from the said disease was registered in the Mexican Republic during the weeks ended January 15 and 22, 1910, and that the prophylactic measures against yellow fever reported September 28, 1908, continue to be carried out.

COATZACOALCOS—Inspection of Vessels.

Acting Assistant Surgeon Thompson reports, January 26:

Week ended January 26. Vessels inspected: January 20, steamship *Texan*, for Delaware Breakwater; January 22, steamship *Dictator*, for a port in the United States via Veracruz; January 25, steamship *American*, for Delaware Breakwater.

No quarantinable disease reported.

PERU.**CALLAO—Inspection of Vessels.**

Acting Assistant Surgeon Castro-Gutierrez reports, January 13:

Week ended January 8. One steamship, having 84 in crew and 43 cabin and 14 steerage passengers, was fumigated.

RUSSIA.**ST. PETERSBURG—Plague in Russia.**

The following information, dated January 10, was received from Chargé d'Affaires Schuyler through the Department of State under date of February 1:

The ministry for foreign affairs states that from December 26 to January 2 there were 15 cases of plague with 7 deaths in the Khirghiz Steppes. The infected region is under medical supervision. In the two centers of infection in the Ural district there were from December 28 to January 1, 16 cases of plague with 14 deaths; from the beginning of the epidemic to January 1, 197 cases with 189 deaths.

LIBAU—Examination of Emigrants—Plague, Smallpox, and Typhus Fever.

Acting Assistant Surgeon De Forest reports, January 19 and 24:

Week ended January 14. Five hundred and fifty-four passengers for steamship *Lituania*, sailing January 22, have been examined.

Plague.—Uralsk, 2 cases present. At Akbolyk (Astrakhan), 1 case, 2 deaths.

Smallpox.—At Libau, January 9, 4 cases present.

Typhus fever.—At Libau, 1 case.

Week ended January 22. The steamship *Lituania* sailed from Libau for New York January 22 with 488 passengers and a crew of 94. All on board had been in Libau for the full 5 days. Pieces of baggage disinfected, 98.

Plague.—No new cases have been reported in the Uralsk since January 6. The last case died January 12. The district was declared free from plague January 17 and quarantine raised.

Smallpox.—At Odense, Denmark, 7 cases of "black smallpox" were reported. They were imported on a steamship from Windau, Russia, which is within 6 hours' voyage by steamship from Odense. All schools and places of amusement have been closed.

Summary of cases of contagious diseases in St. Petersburg for the year 1909.—Cholera 5,238 cases, diphtheria 4,306 cases, recurrent fever 1,814 cases, smallpox 1,309 cases, typhus fever 346 cases.

VENEZUELA.

LA GUAIRA—Inspection of Vessels.

Acting Assistant Surgeon Kellogg reports, January 16:

Week ended January 15. Vessels inspected: January 10, steamship *Martinique* for Colon with 140 in crew, 185 passengers in transit and 9 taken on at this port; January 12, steamship *Caracas* for New York with 70 in crew and 22 passengers taken on; and January 13, steamship *Maracaibo* for New York with 50 in crew and 3 passengers taken on. Pieces of baggage inspected and passed, 49.

Bureau of National Hygiene and Public Health.

Consul Manning reports, January 8:

The Government of Venezuela has placed the bureau of national hygiene and public health under the ministry of the interior and appointed a director of the bureau and a chief officer, with assistants. The new decree repeals the appointment of a consulting officer of hygiene and public health and the hygiene commission and gives to the new bureau the charge of all matters heretofore in the hands of the sanitary commission. The same decree creates a superior council of hygiene and public health in connection with the ministry of the interior, consisting of the professors of hygiene, physical and chemical biology, physiology, and bacteriology of the Central University, the president of the law college, president of the college of engineers, medical director of the military hospital, medical director of the hospital for the insane, the director-general of the leper hospitals at Cape Blanco and Island of Providencia, the inspector-general of the hospitals of the federal district and the director-general of hygiene of the federal district. This body will be presided over by the director of hygiene and public health and the chief officer of the bureau will act as secretary. It will formulate regulations for public sanitation, and on approval by the president its acts will have the force of law.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended February 11, 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.....	Dec. 12-Jan. 1.....		57	
Madras.....	Jan. 1-7.....		1	
Rangoon.....	Dec. 19-25.....		6	
Java:				
Batavia.....	Dec. 19-25.....	10	4	
Russia:				
Moscow.....	Jan. 2-8.....	13	4	
Straits Settlements:				
Singapore.....	Dec. 19-25.....		1	

YELLOW FEVER.

Brasil:				
Para.....	Jan. 9-15.....	1	1	

PLAGUE.

Ecuador:				
Babahoyo.....	Dec. 27-Jan. 1.....	12		
Indo-China:				
Saigon.....	Nov. 22-27.....	3	3	
Russia:				
Astrakhan district.....	Jan. 13-19.....	1	2	
Uralsk district.....	Jan. 12.....		1	
Turkey in Asia:				
Jiddah.....	Jan. 12-15.....	2	2	

SMALLPOX.

Algiers:				
Algeria.....	Dec. 1-31.....		1	
Austria:				
Galicia.....	Jan. 1-8.....	1		
Vienna.....	Jan 9-15.....	1		
China:				
Amoy.....	Dec. 19-25.....		1	
Canton.....	Dec. 12-25.....	10		
Egypt, general:				
Alexandria.....	Dec. 10-23.....	117	33	
Cairo.....	Dec. 10-25.....		3	
	Dec. 25-Jan. 7.....		2	
France:				
Paris.....	Jan. 2-15.....	5	1	
Germany, general:				
Konigsberg.....	Jan. 9-22.....	14		
	Jan. 9-15.....	1	1	
Great Britain:				
Hull.....	Jan. 16-22.....		2	
London.....	Jan. 9-22.....		7	
Greece:				
Athens.....	Dec. 19-25.....		1	
Hawaii:				
Honolulu.....	Jan. 31-Feb. 4.....	3	1	Cases Jan. 31 from U. S. S. Washington from Yokohama. Case Feb. 2 on s. s. Makura.
India:				
Calcutta.....	Dec. 12-18.....		3	
Madras.....	Dec. 18-24.....		1	
Italy, general:				
Genoa.....	Jan. 10-16.....	13		
	Jan. 1-15.....		4	
Milan.....	Jan. 1-16.....	1		
Java:				
Batavia.....	Dec. 19-25.....	1		
Mexico:				
Aguascalientes.....	Jan. 16-22.....		5	
Portugal:				
Lisbon.....	Jan. 9-22.....	22		

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

Reports Received During Week Ended February 11, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Moscow	Dec. 26-Jan. 8.....	15	8	
St. Petersburg.....	Dec. 26-Jan. 1.....	34	20	
Warsaw.....	Nov. 6-13.....		23	
Spain:				
Almeria.....	Dec. 1-31.....		5	
Barcelona.....	Jan. 10-16.....		4	
Seville.....	Dec. 1-31.....		3	
Valencia.....	Jan. 9-15.....	1		

Reports Received from January 1 to February 4, 1910.

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany:				
Heydekrug	Nov. 19-Dec. 4.....	2		
Niederung.....	Nov. 16-22.....	1		
India:				
Bombay.....	Nov. 24-Dec. 28.....		13	
Calcutta.....	Nov. 14-Dec. 11.....		89	
Rangoon.....	Nov. 14-Dec. 18.....		20	
Java:				
Batavia.....	Nov. 14-Dec. 18.....	370	105	
Norway:				
Friedershajd.....	Dec. 31-Jan. 3.....	1	1	From a vessel from Riga.
Persia:				
Astara.....	Dec. 1-9.....	35	22	
Philippine Islands:				
Manila.....	Nov. 7-20.....	19	20	Third quarter, 1909. Cases 82, deaths 61.
Provinces.....				Third quarter, 1909. Cases 3,946, deaths 2,609.
Albay.....	Nov. 7-20.....	6	6	
Bataan.....	Nov. 7-20.....	115	73	
Bohol.....	Nov. 7-20.....	25	14	
Bulacan.....	Nov. 7-20.....	24	19	
Camarines.....	Nov. 7-20.....	5	5	
Capiz.....	Nov. 21-Dec. 18.....	3	2	
Cavite.....	Nov. 7-20.....	61	48	
Cebu.....	Nov. 7-20.....	207	156	Nov. 20, 1 case on s. s. Yapticco.
Leyte.....	Nov. 21-Dec. 18.....	14	11	
Oriental Negros.....	Nov. 7-20.....	10	5	
Pampanga.....	Nov. 7-20.....	8	5	
Rizal.....	Nov. 7-13.....	4	3	
Tarlac.....	Nov. 7-13.....	9	5	
Russia, general.....	Nov. 21-Jan. 1.....	435	200	
Baku, government.....	Nov. 21-Dec. 25.....	22	22	
Baku.....	Nov. 21-Dec. 25.....	26	17	
Don, territory.....	Nov. 28-Dec. 25.....	15	10	
Ekaterinslav, government.....	Nov. 21-Jan. 1.....	23	7	
Jaroslav, government.....	Nov. 21-27.....		1	
Kostroma, government.....	Nov. 21-27.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11.....	6		
Moscow, government—				
Moscow.....	Nov. 29-Jan. 1.....	242	109	
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		
Stam:				
Bangkok.....	Oct. 28-Nov. 27.....	3	3	
Siberia:				
Vladivostok.....	Nov. 16-21.....	1		
Turkey in Asia:				
Trebizond.....	Nov. 28.....	1		On a vessel from Batum.

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

Reports Received from January 1 to February 4, 1910.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos.....	Nov. 21-Jan. 1.....	.....	8	
Para.....	Nov. 23-Jan. 8.....	24	21	
Ecuador:				
Guayaquil.....	Dec. 1-31.....	41	15	
Peru:				
Callao.....	Nov. 2-Dec. 2.....	1	1	From s. s. Loa.
Mexico:				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo.....	Dec. 20.....	1	1	
Trinidad:				
Port of Spain.....	Nov. 28-Dec. 4.....	1	1	

PLAGUE.

Brazil:				
Bahia.....	Nov. 20-Dec. 24.....	35	17	
Para.....	Nov. 23-Dec. 25.....	11	8	
Pernambuco.....	Oct. 15-Nov. 30.....	11	11	
Rio de Janeiro.....	Nov. 2-Dec. 26.....	15	2	
Santos.....	Nov. 1-Dec. 29.....	5	3	One case from bark Amazone, Dec. 1.
China:				
Hankow.....	Nov. 27-Dec. 7.....	20	20	
Hongkong.....	Nov. 21-27.....	1	1	
Ecuador:				
Guayaquil.....	Dec. 1-31.....	130	47	
Egypt:				
Alexandria.....	Nov. 19-Dec. 15.....	3	2	
Port Said.....	Nov. 30-Dec. 22.....	2	1	
Provinces—				
Assiout.....	Sept. 29-Jan. 6.....	24	9	
Beherah.....	Dec. 8-14.....	1	1	
Beni Souef.....	Dec. 16-Jan. 2.....	10	2	
Girgeh.....	Dec. 19-26.....	2	1	
Ghizeh.....	Dec. 19-Jan. 2.....	2	.....
Menouf.....	Nov. 23-Dec. 15.....	17	6	
Minieh.....	Dec. 21-27.....	3	1	
German East Africa:				
Mpwapwa.....	Sept. 19-Oct. 5.....	7	.....
India:				
Bombay Presidency and Sind.....	Nov. 7-Dec. 4.....	4,432	3,011	
Madras Presidency.....	Nov. 7-Dec. 4.....	420	297	
Bengal.....	Nov. 7-Dec. 4.....	926	706	
United provinces.....	Nov. 7-Dec. 4.....	5,532	4,942	
Punjab.....	Nov. 7-Dec. 4.....	3,374	2,663	
Burma.....	Nov. 7-Dec. 4.....	114	101	
Central provinces, including Berar.....	Nov. 7-Dec. 4.....	2,586	2,172	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Dec. 4.....	763	532	
Hyderabad State.....	Nov. 7-Dec. 4.....	47	42	
Central India.....	Nov. 7-Dec. 4.....	516	382	
Rajputana and Ajmer-Merwara.....	Nov. 7-Dec. 4.....	1,687	1,473	
Kashmir.....	Nov. 7-Dec. 4.....	55	37	
Grand total.....		20,457	16,359	
Indio-China:				
Saigon.....	Nov. 7-13.....	1	.....
Japan:				
Kobe.....	Nov. 23-Jan. 1.....	21	16	
Paraguay:				
.....	Dec. 10.....	.....	30	In the northern part.
Peru:				
Arequipa, department—				
Mollendo.....	Dec. 20-Jan. 1.....	1	.....
Lambayeque, department..	Oct. 1-Dec. 9.....	29	10	
Libertad, department.....	Nov. 19-Dec. 9.....	25	3	
Lima, department.....	Oct. 22-Dec. 9.....	9	5	
Russia:				
Astrakhan, district.....	Dec. 5-Jan. 7.....	79	72	50 miles south of Beiskulak.
Beiskulak.....	Dec. 10-16.....	18	16	
Dschedda.....	Jan. 7.....	.....	.....	Present.
Libau.....	Dec. 3-9.....	1	1	
Uralsk, district.....	Nov. 25-Jan. 7.....	208	201	

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

Reports Received from January 1 to February 4, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Siam:				
Bangkok.....	Oct. 28-Nov. 27...	5	5	
Turkey in Asia:				
Beirut.....	Nov. 29-Dec. 14...	3		
Jiddah.....	Jan. 5-11.....	1	1	

SMALLPOX.

Algeria, general	Dec. 1-15.....	22		
Algiers.....	Nov. 1-30.....		1	
Bona.....	Dec. 1-31.....	11	7	
Argentina:				
Buenos Aires.....	Oct. 1-Nov. 30.....		16	
Brazil:				
Bahia.....	Nov. 20-Dec. 24.....	97	63	
Pernambuco.....	Oct. 16-Nov. 30.....		109	
Rio de Janeiro.....	Nov. 2-Dec. 26.....	13		
São Paulo.....	Nov. 1-21.....		2	
Canada:				
Nova Scotia—				
Halifax.....	Dec. 19-25.....	2		
Chile:				
Antofagasta.....	Jan. 1.....			Present.
Quillota.....	Nov. 28-Dec. 4.....			Do.
Valparaiso.....	Nov. 20-Jan. 1.....			Do.
China:				
Amoy.....	Nov. 28-Dec. 4.....		1	Dec. 18 still present.
Chang Cheun.....	Dec. 11.....			Present.
Chio Be.....	Dec. 11.....			Do.
Hankow.....	Dec. 19-25.....			Present among natives.
Shanghai.....	Nov. 1-28.....		2	Among Chinese.
Cuba:				
Habana.....	Dec. 3-9.....	1		From s. s. La Navarre.
Egypt, general	Nov. 5-Dec. 9.....	212	70	
Alexandria.....	Nov. 5-Dec. 9.....	16	16	
Cairo.....	Nov. 26-Dec. 23.....	6	1	
France:				
Paris.....	Dec. 5-Jan. 1.....	22		
Germany, general	Dec. 5-Jan. 8.....	39		
Konigsberg.....	Dec. 12-18.....	1	1	In vicinity.
Great Britain:				
Liverpool.....	Dec. 19-Jan. 15.....	7		
London.....	Nov. 28-Jan. 1.....	6		
Plymouth.....	Nov. 12-18.....		1	
Southampton.....	Nov. 12-18.....	1		
Greece:				
Athens.....	Nov. 22-Dec. 18.....		10	
India:				
Bombay.....	Nov. 24-Dec. 28.....		35	
Calcutta.....	Nov. 14-Dec. 11.....		3	
Rangoon.....	Nov. 20-Dec. 18.....		11	
Indo-China:				
Saigon.....	Dec. 7-13.....	1		
Italy, general	Nov. 29-Jan. 9.....	133		
Genoa.....	Dec. 1-31.....	9	1	
Naples.....	Dec. 6-Jan. 9.....	70	14	
Japan:				
Kobe.....	Dec. 12-25.....	1	1	
Java:				
Batavia.....	Dec. 12-18.....	2		
Liberia:				
Monrovia.....	Nov. 28-Dec. 4.....	6		
Malta:				
Valetta.....	Dec. 12-Jan. 1.....	2	1	
Mexico:				
Aguascalientes.....	Dec. 12-Jan. 16.....		7	
Chihuahua.....	Dec. 13-Jan. 23.....	2	5	
Mexico.....	Nov. 14-Dec. 18.....		11	
Monterey.....	Nov. 13-19.....		1	
Netherlands:				
Rotterdam.....	Dec. 5-11.....	7		
Persia:				
Hamadan.....	Nov. 15.....			Present.
Sultanabad.....	Nov. 15.....			Do.
Teheran.....	Nov. 1-Dec. 2.....			Do.

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

Reports Received from January 1 to February 4, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru:				
Callao.....	Dec. 6-12.....			Present.
Philippine Islands:				
Manila.....	Nov. 14-Dec. 4....	4		Third quarter, 1909—Cases, 5; deaths, 0.
Portugal:				
Lisbon.....	Dec. 5-Jan. 8.....	71		
Porto Rico, general.....	July 1-Oct. 31....	38	12	
Russia:				
Libau.....	Dec. 6-Jan. 9.....	20		
Moscow.....	Nov. 21-Dec. 25....	34	6	
Odessa.....	Nov. 21-Dec. 25....	52	17	
Riga.....	Dec. 5-Jan. 8.....	28		
St. Petersburg.....	Nov. 28-Dec. 25....	180	61	
Warsaw.....	Oct. 24-Nov. 6....		25	
Spain:				
Almeria.....	Nov. 1-30.....		5	
Barcelona.....	Dec. 14-Jan. 10....		6	
Huelva.....	Nov. 1-30.....		11	
Madrid.....	Dec. 1-31.....		40	
Tripoli:				
Tripoli.....	Nov. 14-Dec. 25....	242	24	
Turkey:				
Constantinople.....	Jan. 2-9.....		1	
Turkey in Asia:				
Bagdad.....	Nov. 21-Dec. 11....			Present.
Smyrna.....	Nov. 5-Dec. 1.....		31	
Uruguay:				
Montevideo.....	Oct. 1-Nov. 30....		12	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Jan. 15	185,703	41									1		
Aguas Caliente	Jan. 16	40,000	36	2										
Do	Jan. 22		54	2				5	2			1		1
Aix la Chapelle	Jan. 1	160,457	36	6								1	1	
Alexandria	Dec. 16	391,121	187	16				1		4		1	5	1
Do	Dec. 25		195	23				2		2		2	4	
Amsterdam	Jan. 15	568,131	153	17						1		2	2	6
Do	Jan. 22	568,131	129	24						1		2	8	6
Antwerp	Jan. 8	323,921	72	5							1		1	
Asumcion	Dec. 18	75,000	16	1				1		1				
Athens	Dec. 25	241,058	111	16						8		1		
Bahia	Dec. 24	265,000	104	13	4			10					1	
Barcelona	Jan. 16	591,272	325	35				4		9		3		1
Barranquilla	Jan. 15	40,000	27	1						2				
Basel	do	131,000	31	5									1	
Batavia	Dec. 18	217,630	12				10							
Do	Dec. 25	217,630	8				4							
Belfast	Jan. 15	391,167	170	24						1				13
Belgrade	Dec. 18	80,000									1			
Do	Jan. 15											1		
Bergen	do	87,749	26	3								3		2
Berlin	Dec. 26	2,112,209	553	77						2	9	17	4	2
Birmingham	Jan. 15	558,338	183							1	1	5		3
Bombay	Jan. 4	977,822	603	52	5	1			9	2				
Bremen	Jan. 8	235,648	73	12								2	6	2
Do	Jan. 15	235,648	68	8									2	12
Bristol	do	382,550	98	10							1	1	2	2
Brussels	do	704,975	171	15							1	3	1	2
Budapest	Jan. 2	804,200								3	3	1	2	
Do	Jan. 8									2	2	3	3	2
Cafo	Dec. 31	704,836	421	27					3	3	3	14		
Do	Jan. 1		380	25				2	4	4		14	1	
Calcutta	Dec. 18	847,796	695	48	6	24		3					1	
Chihuahua	Jan. 23	37,000	20	1										4
Christiania	Jan. 15	236,000	64	5								1		1
Cologne	Jan. 8	474,838	153	25							4	5	1	
Colombo	Dec. 18	183,872	117	9						5				6
Constantinople	Jan. 9	1,000,000	260	34				1		5		3	2	
Do	Jan. 16		294	22						6		1	1	
Copenhagen	Jan. 1	450,000	105	11							2			1
Dalny	Dec. 25	40,482	18							2				
Do	Jan. 1		10	1						1				
Dundee	Jan. 15	170,206	73	8						1		1	2	1
Edinburgh	do	360,276	107	5							1	1	6	
Flume	do	50,811	11	1							1			
Flushing	do	21,208	12											
Geneva	Jan. 1	121,500	36											
Do	Jan. 8		29								1			
Georgetown	do	56,000	85	5						1				
Glasgow	Jan. 21	872,021	277							3	6	3	31	2
Gothenburg	Jan. 8	164,000	49	10								2	2	
Do	Jan. 15		57	7						1		3	13	3
Hamburg	do	895,804	257	32							3	12	12	2
Havre	Jan. 8	132,430	53	17						1		1		
Do	Jan. 15		53	8						2				
Halifax	Jan. 29	50,000	16							1				
Hull	Jan. 15	280,006	83							1		1	2	1
Konigsberg	do	243,200	87	14				1					2	2
La Guaira	do	10,000	20	4						1				
Leeds	do	490,985	135	4						2		1	1	4
Leipsic	Jan. 8	590,329	166	21							2	3	2	1
Liege	do	176,411	49	3							1	1	1	
Liverpool	Jan. 15	767,606	269	22							1	2	6	5
London	do	7,537,196	1,866								8	10	19	40
Lubeck	do	97,500	33	1						1			1	
Madras	Dec. 24	509,346	343					1						
Do	Dec. 31		384										3	
Managua	Jan. 8	22,278	13	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.....	Jan. 15	631,533	225	20							2	2	5	1
Mexico.....	Jan. 1	400,000	358	32						10		1		
Do.....	Jan. 8		379	21						4	1			2
Milan.....	Jan. 7	900,000	28	22						4	3	1		
Monterey.....	Jan. 23	100,000	55	10					2					
Montreal.....	Jan. 29	389,837	164	11						8	3	2		2
Moscow.....	Jan. 1	1,500,000	727	81		9			5	2	9	51	20	21
Do.....	Jan. 8		709	104		4			3	2	4	34	27	26
Munich.....	do	576,000	189	40								2		3
Nantes.....	Jan. 16	161,908	64	18						1				
Newcastle-on-Tyne.....	Jan. 15	281,584	81	9								1		2
Nottingham.....	Jan. 8	260,000	104							1	1	2		1
Palermo.....	Dec. 25	335,000	162	7						1	1		2	
Para.....	Jan. 15	185,000	57	13			1							
Paris.....	Jan. 8	2,776,394	925	196					1		7	1	3	13
Do.....	Jan. 15		912	180								1	6	9
Plymouth.....	do	124,180	44											3
Port Said.....	Dec. 31	61,961	37	1	1								5	1
Do.....	Jan. 7		27										1	
Port of Spain.....	Dec. 25	60,000	38	8									1	
Do.....	Jan. 1		38	5							1			
Rangoon.....	Dec. 25	252,155	165	4	1	6								
Rotterdam.....	Jan. 15	416,910								2				
St. Petersburg.....	Jan. 1	1,678,000	818	138				20	1	5	27	12	41	9
Salaverry.....	Jan. 5	1,750	4											
Santa Cruz de Tenerife.....	Jan. 8	46,000	21	3									1	
Do.....	Jan. 15		18	3									1	
Shanghai.....	Dec. 26	565,000	103	9									1	
Southampton.....	Jan. 15	166,000	26	3								1		1
Stettin.....	Jan. 8	239,000	78	7								1	2	
Do.....	Jan. 15		76	5								3	1	
Stockholm.....	Jan. 1	339,582	100	16								2	5	4
Talcahuana.....	Oct. 30	2,800	3										1	
Do.....	Nov. 6			2								1	2	
Do.....	Nov. 13											2	4	
Do.....	Nov. 20			2								2	3	
Do.....	Nov. 27											2	3	
Do.....	Dec. 4			3								1	1	2
Tarragona.....	Jan. 15	20,400	9	1									1	
Trieste.....	Dec. 31	219,777	70										1	2
Do.....	Jan. 8		117									1	3	1
Tripoli.....	Jan. 1	42,000		2										
Do.....	Jan. 8			2										
Turin.....	Jan. 6	391,968	139	16									2	1
Valencia.....	Jan. 15	240,000	117	8										
Vienna.....	Jan. 1	2,065,888	593	77						3	4	5	9	1
Do.....	Jan. 8		614	83						2	5	3	7	4
Vladivostok.....	Dec. 13	85,004	11							1	1			
Do.....	Dec. 21		19	1							2			
Warsaw.....	Nov. 13	764,054	293	49					23	3	9	2	4	3
Winnipeg.....	Jan. 22	122,000	15								1			
Yarmouth.....	Jan. 29	6,700											1	
Yokohama.....	Jan. 10	392,870											2	

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

ALGERIA—*Algiers*.—Month of December, 1909. Population, 155,000. Total number of deaths from all causes 303, including typhoid fever 2, typhus fever 1, smallpox 1, diphtheria 2, tuberculosis 50.

AZORES—*St. Michaels.*—Month of November, 1909. Population, 131,183. Total number of deaths from all causes 226, including typhoid fever 2, diphtheria 1, tuberculosis 7.

CANADA—*Vancouver.*—Year 1909. Population, 66,500. Total number of deaths from all causes 735, including typhoid fever 7, scarlet fever 10, diphtheria 3, tuberculosis 83, beriberi 1.

COSTA RICA—*San Jose.*—Month of December, 1909. Population, 27,532. Total number of deaths from all causes 48, including typhoid fever 2, tuberculosis 4.

EGYPT—*Alexandria.*—Month of December, 1909. Population, 420,000. Total number of deaths from all causes 853, including typhoid fever 13, smallpox 5, measles 14, scarlet fever 1, diphtheria 15, tuberculosis 90, plague 1.

FRANCE—*Nantes.*—Month of December, 1909. Population, 122,800. Total number of deaths from all causes 282, including typhoid fever 4, diphtheria 1, tuberculosis 56.

Nice.—Month of November, 1909. Population, 150,881. Total number of deaths from all causes 221, including typhoid fever 5, tuberculosis 36.

St. Etienne.—Two weeks ended January 15, 1910. Population, 150,000. Total number of deaths from all causes 140, including scarlet fever 1, diphtheria 2, tuberculosis 16.

GREAT BRITAIN.—Week ended January 8.

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

Ireland.—The deaths registered in 21 principal town districts having an aggregate estimated population of 1,145,308 correspond to an annual rate of 19.7 per 1,000 of the population. The lowest rate was recorded at Drogheda, viz, 4.1, and the highest at Tralee, viz, 31.7.

Scotland.—The deaths registered in 8 principal towns having an aggregate estimated population of 1,865,571 show a total of 740 deaths, including typhoid fever 2, measles 55, scarlet fever 6.

GREECE—*Patras.*—Four weeks ended January 15, 1910. Population, 40,000. Total number of deaths from all causes 18, including tuberculosis 5.

ITALY—*Genoa.*—Two weeks ended January 15, 1910. Population, 279,163. Total number of deaths from all causes 200, including typhoid fever 1, diphtheria 1, tuberculosis 15.

Milan.—Sixteen days ended January 16, 1910. Population, 900,000. Total number of deaths from all causes 93, including typhoid fever 9, scarlet fever 3, diphtheria 1, tuberculosis 77.

PORTO RICO.—Month of November, 1909. Population, 1,053,963. Total number of deaths from all causes 1,943, including typhoid fever 14, measles 16, diphtheria 1, tuberculosis 191.

SOUTH AFRICA—*Johannesburg*.—Two weeks ended December 25, 1909. Population, 85,561. Total number of deaths from all causes 144, including typhoid fever 7, measles 2, tuberculosis 8.

SPAIN—*Almeria*.—Month of December, 1909. Population, 50,910. Total number of deaths from all causes 137, including typhoid fever 3, smallpox 5, measles 13, tuberculosis 6.

Malaga.—Month of October, 1909. Population, 135,000. Total number of deaths from all causes 339, including typhoid fever 10, scarlet fever 1, diphtheria 5, tuberculosis 26.

Month of November, 1909. Total number of deaths from all causes 279, including typhoid fever 14, measles 2, scarlet fever 2, diphtheria 7, tuberculosis 16.

Seville.—Month of December, 1909. Population, 154,315. Total number of deaths from all causes 425, including typhoid fever 5, smallpox 3, scarlet fever 2, diphtheria 4, tuberculosis 76.

ST. THOMAS.—Two weeks ended December 10, 1909. Population, 11,012. Total number of deaths from all causes 7. No contagious diseases.

VENEZUELA—*La Guaira*.—Two weeks ended January 16, 1910. Population, 10,000. Total number of deaths from all causes 20, including typhoid fever 1, "typhoid ichteroid" 1, tuberculosis 4.

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