

# PUBLIC HEALTH REPORTS

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## THE TREATMENT OF LEPROSY WITH THE ETHYL ESTERS OF CHAULMOOGRA OIL.

Although the treatment of leprosy with the ethyl esters of chaulmoogra oil at the Leprosy Investigation Station of the Public Health Service at Kalihi, Hawaii, and at the Territorial Leper Colony at Kalaupapa, has given very encouraging results, nevertheless over-optimistic and extravagant statements which have appeared from unauthorized sources in the public press make it necessary at this time to call attention to the therapeutic status of the ethyl esters of chaulmoogra oil in the treatment of leprosy.

The ethyl esters of chaulmoogra oil may be regarded as the most valuable therapeutic agent in the treatment of leprosy which has been developed up to the present time. They are superior to chaulmoogra oil in that they (1) may be administered practically to all patients, and (2) their use, when injected subcutaneously, is not accompanied by the pain, discomfort, or slow absorption and frequent abscess formation attendant on the use of crude chaulmoogra oil.

In properly selected cases, especially in the young and in those who are in the early stages of the disease, the clinical improvement is rapid and striking. The results are less favorable in older persons and in cases of long duration. At this time we can not say that the ethyl esters of chaulmoogra oil are a cure for leprosy. The cases which have been paroled from the Leprosy Investigation Station at Kalihi and from the Territorial Leper Colony at Kalaupapa are cases which no longer exhibit clinical evidence of leprosy and in which the disease has apparently been arrested. Whether these cases of arrested disease constitute permanent cures or not is a question which only the passage of time can answer. As in the case of arrested tuberculosis, one would expect a certain percentage of relapses to occur in lepers paroled with the disease in an arrested condition. A certain percentage of these relapses do occur. Up to the present time 8 per cent of the patients paroled from the two leper institutions in Hawaii mentioned above have relapsed and have returned to these institutions for treatment.

Therefore, in regard to the treatment of leprosy with the ethyl esters of chaulmoogra oil we may say at present that their use has

resulted in the apparent cure of the disease in a considerable number of cases, but whether these "apparent cures" be permanent or not is a matter which requires time to determine. The results have, however, been so favorable as to lend a hopeful aspect to the treatment of a disease which has long been regarded as hopeless, and to lead us to believe that a therapeutic agent has been developed which surpasses in value anything which has been brought forward up to the present time.

### MORBIDITY IN ENGLAND AND WALES, 1920.

The following table shows the number of cases of notifiable diseases reported in England and Wales for the calendar year 1920 and the case rates per 1,000 population.

The figures are taken from "Incidence of Notifiable Infectious Diseases in Each Sanitary District in England and Wales during the year 1920," issued by the Ministry of Health.

The population is given as 37,426,800.

Disease.	England and Wales, 1920.	
	Number of cases notified.	Rate per 1,000 population.
Cerebrospinal meningitis.....	583	0.02
Continued fever.....	35	.00
Diphtheria.....	69,481	1.86
Dysentery.....	1,353	.04
Erysipelas.....	16,051	.43
Lethargic encephalitis.....	890	.02
Malaria (contracted in England).....	32	.00
Ophthalmia neonatorum.....	10,304	.....
Plague.....	3	.00
Pneumonia.....	38,859	1.04
Polio-encephalitis.....	36	.00
Poliomyelitis.....	286	.01
Puerperal fever.....	2,898	.08
Relapsing fever.....	7	.00
Scarlet fever.....	119,490	3.19
Smallpox.....	263	.01
Trench fever.....	39	.00
Tuberculosis (pulmonary).....	61,655	1.65
Tuberculosis (other forms).....	15,851	.42
Typhoid fever.....	3,109	.08
Typhus fever.....	2	.00

### OHIO WORKMEN'S COMPENSATION ACT CONSTRUED.

#### DEATH FROM TYPHOID CAUSED BY DRINKING WATER IS COMPENSABLE UNDER WORKMEN'S COMPENSATION ACT.

On September 12, 1921, the Ohio Court of Appeals, first appellate district, decided<sup>1</sup> that death from typhoid fever caused by drinking impure water is compensable under the workmen's compensation statute.

<sup>1</sup> The Industrial Commission of Ohio v. Cross et al.

The decedent was employed by the city park department as inspector of certain construction work. The only drinking water available in the vicinity of the place where the construction work was being done was from a spring near by. After the decedent was taken ill, the spring water was examined by the health department and found to contain typhoid fever germs. In the course of the opinion the court of appeals said: "While there might be an extended discussion and difference of opinion as to what is meant by the term 'injured,' in construing the term as used in the statute, we do not think the legislature meant that the injury must be caused by the application of external force. The man was as much injured by the contracting of typhoid fever as if injury had been inflicted by external force."

### STATE AND INSULAR HEALTH AUTHORITIES, 1921.

#### DIRECTORY, WITH DATA AS TO APPROPRIATIONS AND PUBLICATIONS.

Directories of the State and insular health authorities of the United States for each year from 1912 to 1920 have been published in the Public Health Reports<sup>1</sup> for the information of health officers and others interested in public-health activities. These directories have been compiled from data furnished by the respective State and insular health officers and include data as to appropriations and publications.

Where an officer has been reported to be a "full-time" health officer, that fact is indicated by an asterisk (\*). For this purpose a "full-time" officer is defined as "one who does not engage in the practice of medicine or any other business, but devotes all his time to official duties."

#### ALABAMA.

Board of censors of the State Medical Association, acting as a committee of public health:

Thos. E. Kilby, governor, ex officio chairman, Montgomery.

\*S. W. Welch, M. D., Montgomery.

W. D. Partlow, M. D., Tuscaloosa.

J. N. Baker, M. D., Montgomery.

V. P. Gaines, M. D., Mobile.

S. G. Gay, M. D., Selma.

W. R. Jackson, M. D., Mobile.

W. S. Britt, M. D., Eufaula.

H. S. Ward, M. D., Birmingham.

B. L. Wyman, M. D., Birmingham.

R. S. Hill, M. D., Montgomery.

Executive health officer:

\*S. W. Welch, M. D., State health officer, Montgomery.

Registrar of vital statistics:

\*H. G. Perry, M. D., Montgomery.

State laboratory:

\*E. W. Cheyney, M. D., Montgomery.

State sanitary engineering:

\*G. H. Hazlehurst, C. E., M. C. E., Montgomery.

#### ALABAMA—Continued.

Assistant sanitary engineers:

\*J. C. Carter, E. M.

\*E. B. Johnson, C. P. H.

\*Wm. Ropes, C. E.

\*C. C. Walker, B. C. E.

County organization:

\*D. H. Swengel, M. D., acting director, Montgomery.

Public health nursing:

\*Jessie L. Marriner, R. N., Montgomery.

Veneral disease control:

\*W. C. Blasingame, A. M., Montgomery.

Field lecturer:

A. J. Dickinson, D. D.

Communicable disease:

\*L. T. Lee, M. D., acting director, Montgomery.

Inspection:

\*C. A. Abele, Ch. E., Montgomery.

Chief clerk:

\*Fannie Kate Centerfit, Montgomery.

Appropriation for fiscal year ending September 30, 1922, \$150,000.

<sup>1</sup> Reprints Nos. 83, 123, 190, 268, 344, 405, 488, 544, and 605 from the Public Health Reports.

**ARIZONA.**

**Board of health:**

Thomas E. Campbell, governor, president, Phoenix.

W. J. Galbraith, attorney general, vice president, Phoenix.

A. M. Tuthill, M. D., secretary, Phoenix.

**Executive health officer:**

A. M. Tuthill, M. D., State superintendent of public health, Phoenix.

**Executive secretary:**

\*Hannah C. Egelston.

**Registrar of vital statistics:**

A. M. Tuthill, M. D., Phoenix.

**Bureau for control of venereal diseases:**

A. M. Tuthill, M. D., director, Phoenix.

**Child hygiene department:**

\*Mrs. Chas. R. Howe, director.

**Tuberculosis department:**

\*T. C. Cuvellier, director.

**Statistician:**

\*Ruth W. Fritschl.

**Appropriations for fiscal year ending June 30, 1922:**

Operating expense.....	\$10,250
Child hygiene.....	3,000
Tuberculosis.....	3,000
Venereal diseases.....	3,000
Bulletin and publicity.....	2,000
Miscellaneous.....	1,000
<b>Total.....</b>	<b>22,250</b>

Publication issued by health department:  
Quarterly bulletin.

**ARKANSAS.**

**Board of health:**

F. O. Mahony, M. D., president, El Dorado.

C. F. Crosby, M. D., Heber Springs.

H. L. Montgomery, M. D., Gravelly.

H. R. Webster, M. D., Texarkana.

O. L. Williamson, M. D., Marianna.

Leonidas Kirby, M. D., Harrison.

S. A. Southall, M. D., Lonoke.

**Executive health officer:**

\*C. W. Garrison, M. D., State health officer, Little Rock.

**Bureau of vital statistics:**

\*Mrs. Mary Ellis Brown, statistician, Little Rock.

**Hygienic laboratory:**

\*Gordon E. Davis, acting director, Little Rock.

**Chief hotel inspector:**

J. P. Clegg, Siloam Springs.

**Sanitary engineer:**

\*M. Z. Bair, Little Rock.

**Appropriations for biennial period ending June 30, 1923:**

Executive department—salaries and miscellaneous.....	\$27,800
Bureau of vital statistics—salaries and miscellaneous.....	31,000
Bureau of venereal disease control.....	25,000
Malaria control.....	10,000
<b>Total.....</b>	<b>93,800</b>

**ARKANSAS—Continued.**

**Other sources of revenue:**

Fees for marriage licenses, 50 cents each, are deposited in the State treasury to maintain the central bureau of vital statistics.

License fees for hotels, restaurants, and rooming houses are deposited in the State treasury to maintain the bureau of sanitation.

**CALIFORNIA.**

**Board of health:**

George E. Ebricht, M. D., president, San Francisco.

Fred F. Gundrum, M. D., vice president, Sacramento.

Walter M. Dickie, M. D., secretary, Sacramento.

Walter Lindley, M. D., Los Angeles.

Edward F. Glaser, M. D., San Francisco.

Adelaide Brown, M. D., San Francisco.

Robert A. Peers, M. D., Colfax.

**Attorney for board of health:**

John C. McFarland, Los Angeles.

**Executive health officer:**

\*Walter M. Dickie, M. D., secretary and executive officer, State board of health, Sacramento.

\*Mason E. Franklin, assistant to secretary, Sacramento.

**District health officers:**

\*Allen F. Gillihan, M. D., northern division.

\*Galvin Telfer, M. D., southern division.

**Sanitary inspector:**

\*Edward T. Ross; Sacramento.

**Dental hygienist:**

\*Charlotte Greenhood, San Francisco.

**Bureau of vital statistics:**

\*L. E. Ross, director, Sacramento.

**Bureau of registration of nurses:**

\*Anne C. Jamme, R. N., director, Sacramento.

**Bureau of tuberculosis:**

\*Edith L. M. Tate-Thompson, director, Sacramento.

**Bureau of food and drugs:**

\*Erwin J. Lea, director, Berkeley.

**Bureau of communicable diseases:**

\*W. H. Kellogg, M. D., director, Berkeley.

**Bureau of social hygiene:**

\*Elizabeth McManus, director, Los Angeles.

**Bureau of sanitary engineering:**

\*Ralph Hilscher, C. E., director, Berkeley.

**Bureau of child hygiene:**

\*Ethel M. Walters, M. D., director, San Francisco.

**Appropriations for biennial period ending June 30, 1923:**

Statutory salaries.....	\$47,800
Traveling and contingent (including printing).....	60,000
Support of district health officers.....	27,500
Support of food and drug laboratory.....	69,355
Support of hygienic laboratory.....	86,990
Sanitary inspectors.....	35,400
Vital statistics.....	42,000
Contagious diseases.....	40,650
Bureau of child hygiene.....	33,580

**CALIFORNIA—Continued.****Appropriations for biennial period ending June 30, 1923—Continued.**

Bureau of social hygiene.....	\$51,600
Bureau of sanitary engineering.....	68,770
Tuberculosis—Subsidy and administration.....	600,000
(Administration, \$60,000.)	
Public health nurses.....	10,000
Malaria control (emergency).....	20,000
Plague and parasitology (emergency)	5,000
Dental hygiene.....	15,000
<b>Total.....</b>	<b>1,218,625</b>

**Other sources of revenue:**

Fees for registration of nurses, \$15 each.
Renewal of registration certificate, \$1 per year.
Licensing of cold-storage warehouses, rated according to capacity.
Fees for certified copies of records.
<b>Publications issued by health department:</b>
Biennial report.
Monthly bulletin.
Weekly newsletter.

**COLORADO.****Board of health:**

Wm. H. Sharpley, M. D., president, Denver.
G. K. Olmsted, M. D., vice president, Denver.
R. L. Drinkwater, M. D., secretary, Denver.
C. W. Thompson, M. D., Pueblo.
Tracy R. Love, M. D., Denver.
G. W. Bumpus, D. O., Denver.
Sherman Williams, M. D., Ordway.
Hugh F. Lorimer, M. D., Ordway.
J. M. Barney, M. D., Denver.

**Executive health officer:**

**E. L. Drinkwater, M. D.,** secretary State board of health, Denver.

**Bacteriologist:**

Wm. C. Mitchell, M. D., Denver.

**Medical inspector:**

\*J. W. Morgan, M. D., Denver.

**State food and drug commissioner:**

\*Wilbur F. Cannon, Denver.

**Division of venereal diseases:**

\*S. R. McKelvey, M. D., director, Denver.

**Appropriations for fiscal year ending Nov. 30, 1921:**

Salaries.....	\$21,900
Detention home fund.....	1 25,000
Laboratory equipment.....	1 10,000
Printing and publications.....	1,250
Traveling expenses.....	4,800
Samples and supplies.....	600
Venereal diseases.....	20,000
Incidental expenses.....	1 2,000
<b>Total.....</b>	<b>85,550</b>

**CONNECTICUT.****Public health council:**

Edward K. Root, M. D.
S. B. Overlock, M. D.
C.-E. A. Winslow, D. P. H.
James W. Knox.
Robert A. Cairns, C. E.
James A. Newlands, B. S.

<sup>1</sup>Years 1921 and 1922.

**CONNECTICUT—Continued.****Executive health officer:**

\***John T. Black, M. D.,** commissioner of health, Hartford.

**Laboratory director:**

C. J. Bartlett, M. D.

**Sanitary engineering:**

J. Frederick Jackson, C. E., director.

**Preventable diseases:**

\*Stanley H. Osborn, M. D., director.

**Vital statistics:**

\_\_\_\_\_, director.

**Bureau of child hygiene and public health nursing:**

\*Margaret K. Stack, R. N., director.

**Division of venereal diseases:**

Daniel E. Shea, M. D., director.

**Appropriations for fiscal year ending June 30, 1922:**

General administrative expenses.....	\$15,500
Salary commissioner.....	4,000
Purchase and free distribution of antitoxin.....	12,500
Preventable diseases.....	15,000
Vital statistics.....	12,500
Sanitary engineering.....	12,500
Laboratory.....	25,000
Child hygiene.....	18,000
Venereal disease control work.....	10,000
Mental hygiene.....	3,000
<b>Total.....</b>	<b>128,000</b>

Available for laboratory construction..... 95,748.42

**Other sources of revenue:**

Medical practice, registration fees.

**Publications issued by health department:**

Monthly bulletin.

Annual vital statistics report.

Biennial report of State department of health.

First and second biennial reports of the industrial wastes board.

Health and safety manual for teachers.

Compilation of health laws.

House fly as a disease carrier and how controlled.

**DELAWARE.****Board of health:**

Wm. P. Orr, M. D., president, Lewes.
L. S. Conwell, M. D., secretary, Dover.
J. W. Clifton, M. D., Smyrna.
W. F. Haines, M. D., Seaford.
C. A. Ritchie, M. D., Wilmington.
G. W. K. Forrest, M. D., Wilmington.
Edgar Q. Bullock, M. D., Wilmington.

**Executive health officer:**

**L. S. Conwell, M. D.,** secretary State board of health, Dover.

**Pathologist and bacteriologist:**

\*Herbert J. Watson, Newark.

**Appropriations for the fiscal year ending Jan. 5, 1922:**

State board of health.....	\$6,000
Laboratory.....	10,000
Vital statistics.....	2,000
Diphtheria antitoxin and immunizing agents.....	5,000
Venereal disease control work.....	2,500
Supervising nurse for midwives.....	2,000
<b>Total.....</b>	<b>27,500</b>

**DISTRICT OF COLUMBIA.**

- Executive health officer:**
  - \*Wm. C. Fowler, M. D., health officer, Washington.
- Assistant health officer:**
  - \*Lewis A. Newfield, M. D., Washington.
- Chief clerk and deputy health officer:**
  - \*Arthur G. Cole, Washington.
- Chief bureau of preventable diseases and director bacteriological laboratory:**
  - \*Francis M. Munson, M. D., Washington.
- Bacteriologist:**
  - \*John A. Noble, Washington.
- Serologist:**
  - \*W. F. Landon, Washington.
- Chemist:**
  - \*Thomas Malcolm Price, Ph. D., Washington.
- Chief sanitary inspector:**
  - \*C. R. Holman, Washington.
- Chief food inspector:**
  - \*Reid R. Ashworth, D. V. S., Washington.
- Chief medical and sanitary inspector of schools:**
  - \*Joseph A. Murphy, M. D., Washington.

**Appropriations for the fiscal year ending June 30, 1922:**

Salaries.....	\$100,890
Prevention of communicable diseases..	40,000
Disinfecting service.....	7,000
Isolation wards at hospitals.....	16,500
Milk and food inspection and regulation.....	8,700
Dispensary service including treatment of tuberculosis and venereal disease.....	12,500
Examination, advice, and care of children under 6 years of age under contract with child-welfare society.	18,000
Miscellaneous.....	15,450
<b>Total.....</b>	<b>219,040</b>

- Publications issued by health department:**
  - Weekly report by health department.
  - Annual report of health officer.
  - Monthly statement of average grade of milk sold.

**FLORIDA.**

- Board of health:**
  - Calvin T. Young, M. D., president, Plant City.
  - Charles H. Mann, Jacksonville.
  - F. Clifton Moor, M. D., Tallahassee.
- Executive health officer:**
  - \*Raymond C. Turok, M. D., State health officer, Jacksonville.
- Bureau of vital statistics:**
  - \*Stuart G. Thompson, D. P. H., director, Jacksonville.
- Bureau of sanitary engineering:**
  - \*George W. Simons, jr., director, Jacksonville.
- Bureau of diagnostic laboratories:**
  - \*B. L. Arms, M. D., director, Jacksonville.
- Bureau of communicable diseases and health units:**
  - \*George A. Dame, M. D., director, Jacksonville.
- Bureau of child welfare:**
  - \*William B. Keating, M. D., director, Jacksonville.

**FLORIDA—Continued.**

- Appropriations for health department:**
  - One-quarter mill tax levied upon the assessable property of the State; reduced from one-half mill by 1921 legislature.
- Fiscal year ends December 31.**
- Publications issued by health department:**
  - Pamphlets covering all phases of public health.
  - Public health information disseminated through the weekly and daily papers of the State.

**GEORGIA.**

- Board of health:**
  - W. H. Doughty, jr., M. D., president, Augusta.
  - James H. McDuffie, M. D., vice president, Columbus.
  - T. F. Abercrombie, M. D., secretary, Atlanta.
  - Chas. H. Richardson, M. D., Macon.
  - A. D. Little, M. D., Thomasville.
  - John W. Daniel, M. D., Savannah.
  - B. C. Teasley, M. D., Hartwell.
  - A. L. Crittenden, M. D., Shellman.
  - Robert F. Maddox, Atlanta.
  - A. C. Shamblin, M. D., Rome.
  - J. C. Verner, M. D., Commerce.
  - J. L. Walker, M. D., Waycross.
  - M. S. Brown, M. D., Fort Valley.
  - M. L. Brittain, State superintendent of schools, ex officio, Atlanta.
  - Peter F. Bahnsen, State veterinarian, ex officio, Atlanta.
- Executive health officer:**
  - \*T. F. Abercrombie, M. D., commissioner, Atlanta.
  - \*Joe P. Bowdoin, M. D., deputy commissioner, Atlanta.
- Division of venereal disease control:**
  - \*Joe P. Bowdoin, M. D., director, Atlanta.
- Division of county health work:**
  - \*M. F. Haygood, M. D., director, Atlanta.
- Division of laboratories:**
  - \*T. F. Sellers, M. Sc., director, Atlanta.
- Division of sanitary engineering:**
  - \*H. C. Woodfall, director, Atlanta.
- Division of serology:**
  - \*E. L. Webb, A. B., director, Atlanta.
- State tuberculosis sanatorium:**
  - \*Edson W. Glidden, 2d, M. D., superintendent, Aito.
- Bureau of vital statistics:**
  - \*W. A. Davis, M. D., director, Atlanta.
- Division of child hygiene:**
  - \*Dorothy Bocker, M. D., director, Atlanta.
- Georgia training school for mental defectives:**
  - \*Geo. H. Preston, M. D., Gracewood.
- Appropriations for the fiscal year ending Dec. 31, 1921:**

General appropriation.....	\$75,590
State tuberculosis sanatorium.....	56,000
Venereal disease control.....	15,000
<b>Total appropriation by legislature...</b>	<b>146,590</b>
Venereal disease control (Federal Government funds).....	15,000
Rural sanitation (International Health Board funds).....	5,000
<b>Total.....</b>	<b>166,590</b>

## HAWAII.

## Board of health:

F. E. Trotter, M. D., president and executive officer, Honolulu.

Harry Irwin, attorney general, Honolulu.

P. Withington, M. D., Honolulu.

D. S. Bowman, Honolulu.

R. A. McNally, Honolulu.

J. Ordenstein, Honolulu.

S. S. Paxson, Honolulu.

## Executive health officer:

\*F. E. Trotter, M. D., president of the board of health, Honolulu.

## Secretary:

\*M. R. Weir, Honolulu.

## Bacteriologist:

A. N. Sinclair, M. D., Honolulu.

## Tuberculosis bureau:

A. L. Davis, M. D., director, Honolulu.

## Medical inspector of schools:

A. L. Davis, M. D., Honolulu.

## Health officer:

James T. Wayson, M. D., Honolulu.

## Sanitary engineer:

\*S. W. Tay, Honolulu.

## Food commissioner and analyst:

\*M. B. Bairos, Honolulu.

## Oahu insane asylum:

\*W. A. Schwallie, M. D., superintendent, Honolulu.

## Leprosy settlement:

\*J. D. McVeigh, superintendent, Kalaupapa, Molokai.

\*W. J. Goodhue, M. D., resident physician, Kalaupapa, Molokai.

## Chiefsanitary inspector, Hawaii:

C. Charlock, Hilo.

## Chiefsanitary inspector, Maui:

G. Weight, Wailuku.

## Chiefsanitary inspector, Kauai:

F. B. Cook, Waimea.

## Appropriations for the biennial period ending June 30, 1923:

General expense.....	\$67,300
Vital statistics.....	17,680
Sanitary engineering.....	15,600
Sanitation.....	147,240
Pure food.....	22,500
Bacteriological bureau.....	18,000
Quarantine and medical service.....	127,340
Rat campaign.....	24,000
Mosquito campaign.....	4,800
Medical and dental supervision and treatment of school children.....	54,000
Tuberculosis.....	302,000
Care of lepers and their children.....	632,370
Care of the insane.....	293,370
Miscellaneous.....	6,150
Total.....	1,732,576

## Publications issued by health department:

Annual report of president.  
Registrar-General's report.

## IDAHO.

## Department of public welfare:

David Burrell, commissioner.

F. W. Almond, M. D., medical advisor.

Paul A. Mader, bacteriologist.

Edw. F. Rodenbaugh, chemist.

A. H. Wilson, dairy, food, drug, hotel, and sanitary inspector.

C. K. Macey, dairy, food, drug, hotel, and sanitary inspector.

## Executive health officer:

David Burrell, commissioner of public welfare, Boise.

## Appropriations for biennial period ending Jan. 3, 1923:

## Salaries and wages:

Commissioner.....	\$7,200
Medical advisor.....	10,000
Bacteriologist.....	4,800
Chemist.....	4,000
Inspector.....	4,800
Inspector.....	4,000
Other salaries.....	12,800
Expenses other than salaries.....	14,700
Veneral disease control.....	5,000

Total..... 67,300

The above appropriations are made to cover a period of two years.

## ILLINOIS.

## Director of public health:

\*Isaac D. Rawlings, M. D., Springfield.

## Assistant director of public health:

\*Thomas H. Leonard, M. D.

## Division of sanitation and engineering:

\*Harry F. Ferguson, C. E., chief sanitary engineer.

## Division of communicable diseases:

\*J. J. McShane, M. D., D. P. H., chief.

## Division of child hygiene and public health nursing:

\*C. W. East, M. D., chief.

## Division of tuberculosis:

\*Thomas H. Leonard, M. D., acting chief.

## Division of diagnostic laboratory:

\*Thomas G. Hull, Ph. D., chief.

## Division of biologic and research laboratories:

\*Thomas G. Hull, Ph. D., chief of laboratories.

## Division of vital statistics:

\*Sheldon L. Howard, registrar.

## Division of public health instruction:

\*Baxter K. Richardson, chief.

## Division of social hygiene:

\*C. C. Copelan, M. D., chief.

## Division of hotel and lodging-house inspection:

\*W. W. McCulloch, superintendent.

## Appropriations for fiscal year ending June 30, 1922:

Salaries.....	\$318,960
Office expenses.....	16,495
Traveling expenses.....	77,300
Operating, supplies and expenses.....	85,000

**ILLINOIS—Continued.**

**Appropriations for fiscal year ending June 30, 1922—Continued.**

Equipment and repairs.....	\$17,514
Contingent.....	34,400
Printing.....	20,500
<b>Total.....</b>	<b>570,169</b>

**Publications issued by health department:**  
 Illinois Health News (monthly).  
 Social Hygiene (monthly).

**INDIANA.**

**Board of health:**

John H. Hewitt, M. D., president, Terre Haute.  
 Hugh A. Cowing, M. D., vice president, Muncie.  
 Chas. B. Kern, M. D., La Fayette.  
 Adah McMahan, M. D., La Fayette.  
 J. N. Hurty, M. D., secretary, Indianapolis.

**Executive health officer:**

\*J. N. Hurty, M. D., State health commissioner, Indianapolis.

**Assistant State health commissioner:**

\*W. F. King, M. D., Indianapolis.

**Division of statistics:**

\*H. M. Wright, director, Indianapolis.

**Laboratory of hygiene:**

\*Wm. Shimer, M. D., director, Indianapolis.

**Division of food and drugs:**

\*Ivy Miller, State food and drug commissioner, Indianapolis.

**Traveling milk laboratory:**

\*Frank C. Wilson, director.

**Water and sewage laboratory:**

\*L. A. Geupel, sanitary engineer, Indianapolis.

**Division of child hygiene:**

\*Ada E. Schweitzer, M. D., director, Indianapolis.

**Division of tuberculosis:**

\*H. W. McKane, M. D., director, Indianapolis.

**Division of epidemiology:**

\*Wm. Shimer, M. D., director, Indianapolis.

**Division of venereal diseases:**

\*W. F. King, M. D., director, Indianapolis.

**Division of school hygiene:**

\*H. R. Condrety, director, Indianapolis.

**Division of housing:**

\*W. F. Sharpe, director, Indianapolis.

**Appropriations for the fiscal year ending Sept. 30, 1921:**

Salaries (specific).....	\$3,000
Board of health office.....	30,000
Food and drugs.....	30,000
Weights and measures.....	10,000
Laboratory of hygiene.....	12,000
Hydrophobia fund.....	6,000
Baby book.....	5,000
Division of tuberculosis.....	10,000
Division of infant and child hygiene..	15,000
Division of rural hygiene.....	25,000
Division of venereal diseases.....	33,000
<b>Total.....</b>	<b>179,000</b>

**Appropriations for the fiscal year ending Sept. 30, 1922:**

Salaries (specific).....	4,000
Board of health office.....	30,000
Food and drugs.....	30,000

**INDIANA—Continued.**

**Appropriations for the fiscal year ending Sept. 30, 1922—Continued.**

Weights and measures.....	\$10,000
Laboratory of hygiene.....	12,000
Hydrophobia fund.....	6,000
Baby book.....	5,000
Division of tuberculosis.....	10,000
Division of infant and child hygiene..	20,000
Division of rural hygiene.....	25,000
Division of venereal diseases.....	42,300
Housing.....	15,000
<b>Total.....</b>	<b>209,300</b>

**Publication issued by health department:**  
 Monthly bulletin.

**IOWA.**

**Board of health:**

Frank T. Launder, M. D., president, Garwin.  
 N. E. Kendall, governor, Des Moines.  
 W. C. Ramsay, secretary of state, Des Moines.  
 G. C. Haynes, auditor of state, Des Moines.  
 W. J. Burbank, treasurer of state, Des Moines.  
 Hans V. Pedersen, sanitary engineer, Des Moines.  
 G. F. Severs, M. D., Centerville.  
 Henry C. Eschbach, M. D., Albia.  
 C. S. Grant, M. D., Iowa City.

**Executive health officer:**

\*Guilford H. Sumner, M. D., State health commissioner, Des Moines.

**Assistant secretary:**

\*H. W. Grete, Des Moines.

**Chief clerk:**

\*L. V. Clemens, Des Moines.

**Laboratories:**

\*Don M. Griswold, M. D., director, Iowa City.

**Sanitary engineer:**

\*Hans V. Pedersen, Des Moines.

**Bureau of venereal diseases:**

W. S. Conkling, M. D., director.

**Lecturer in charge of women's work:**

Jeannette F. Throckmorton, M. D.

**State housing commissioner:**

\*Edwin H. Sands.

**Appropriations for fiscal year ending June 30, 1922:**

State board of health work.....	\$10,000
Housing department.....	5,000
Bacteriological laboratory.....	15,000
Antitoxin department.....	2,000
Vital statistics.....	10,000
Salaries of employees.....	11,400
Social hygiene.....	25,000
<b>Total.....</b>	<b>78,400</b>

The above does not include special appropriation for clerical assistance.

**Publications issued by health department:**

Biennial report.  
 Quarterly bulletin.

**KANSAS.**

**Board of health:**

H. L. Aldrich, M. D., president, Caney.  
 W. M. Earnest, M. D., vice president, Washington.  
 Clay E. Coburn, M. D., Kansas City.



**KANSAS—Continued.****Board of health—Continued.**

O. D. Walker, M. D., Salina.  
 J. T. Axtell, M. D., Newton.  
 C. H. Ewing, M. D., Larned.  
 J. J. Entz, M. D., Hillsboro.  
 C. H. Lerrigo, M. D., Topeka.  
 Belle Little, M. D., Manhattan.  
 J. G. Egan, attorney.

**Executive health officer:**

S. J. Crumblin, M. D., U. S. P. H. S. (Reserve),  
 secretary State board of health, Topeka.

**Division of vital statistics:**

Chas. H. Lerrigo, M. D., State registrar, Topeka.

**Division of communicable diseases and sanitation:**

A. J. Warren, M. D., chief, Topeka.

**Division of food and drugs:**

Frank Rowland, assistant chief food and drug  
 inspector, Topeka.

**Division of child hygiene:**

Helen Moore, M. D., chief, Topeka.

**Division of water and sewage:**

Prof. Albert Jewell, chief, Lawrence.

**Division of public health education:**

S. J. Crumblin, M. D., director, Topeka.

**Division of venereal diseases:**

B. K. Kilbourne, M. D., U. S. P. H. S. (Reserve),  
 director, Topeka.

**Water and sewage laboratories at Kansas University:**

Prof. Albert Jewell, director, Lawrence.

**Food laboratory at Kansas University:**

Prof. E. H. S. Bailey, director of food analyses,  
 Lawrence.

**Drug laboratory at Kansas University:**

Prof. L. E. Sayre, director of drug analyses,  
 Lawrence.

**Food laboratory at Kansas Agricultural College:**

Prof. Wm. King, director of food analyses,  
 Manhattan.

**Director of laboratories:**

William Levin, D. P. H., Topeka.

**Appropriations for the fiscal year ending**

June 30, 1922:

Salaries.....	\$23,700
Miscellaneous.....	8,000
Water and sewage division.....	5,000
Free distribution of antitoxins, etc.....	2,500
Suppression of communicable diseases.....	10,000
Public health exhibit car.....	3,000
Laboratory of hygiene.....	5,000
Division of child hygiene.....	7,500
Division of food and drugs.....	7,500
Division of venereal diseases.....	7,500

Total..... 79,700

**Other sources of revenue:**

Marriage fees, approximately, \$11,000.

Water and ice analyses fees, approximately,  
 \$14,000.

Food and drug laboratories at Kansas University maintained by university maintenance fund, and food laboratory at Kansas Agricultural College maintained by agricultural college maintenance fund.

**Publications issued by health department:**

Monthly bulletin.

Biennial report.

**KENTUCKY.****Board of health:**

John G. South, M. D., president, Frankfort.  
 W. W. Richmond, M. D., Clinton.  
 George T. Fuller, M. D., Mayfield.  
 H. H. Carter, D. O., Sñialbyville.  
 Joseph E. Wells, M. D., Cynthiana.  
 George S. Coon, M. D., Louisville.  
 F. A. Stine, M. D., Newport.  
 O. C. Dilly, M. D., Louisville.  
 A. T. McCormack, M. D., secretary, Louisville.

**Executive health officer:**

\*A. T. McCormack, M. D., State health officer,  
 Louisville.

**Bureau of sanitation:**

\*J. N. McCormack, M. D., director, Louisville.

**Bureau of vital statistics:**

\*J. F. Blackerby, director, Louisville.

**Bureau of bacteriology:**

\*Lillian H. South, M. D., director, Louisville.

**Bureau of sanitary engineering:**

\*F. C. Dugan, State sanitary engineer, Louisville.

**Bureau of pure food and drugs:**

\*Sarah H. Vance, director, Louisville.

**Bureau of venereal diseases:**

\*Jethra Hancock, M. D., Louisville.

**Bureau of tuberculosis:**

\*J. S. Lock, M. D., director, Louisville.

**Bureau of public health nursing:**

\*Marian Williamson, R. N., director, Louisville.

**Bureau of child hygiene:**

Annie Veech, M. D., Louisville.

**Bureau for prevention of trachoma and blindness:**

\*C. F. Kober, director, Lebanon.

**Bureau of public health education:**

\*Mrs. Jane T. Dahlman, director, Louisville.

**Bureau of housing:**

\*J. C. Murphy, director, Louisville.

**Bureau of county health work:**

\*P. E. Blackerby, M. D., director, Louisville.

Appropriations for fiscal year ending June 30, 1921.  
 \$257,500.

**Publication issued by health department:**

Monthly bulletin.

**LOUISIANA.****Board of health:**

Oscar Dowling, M. D., president, New Orleans.  
 J. M. Mosely, M. D., Arcadia.  
 T. T. Tarlton, M. D., Grand Coteau.  
 L. C. Chamberlain, M. D., New Orleans.  
 T. A. Roy, M. D., Mansura.  
 B. A. Ledbetter, M. D., New Orleans.  
 M. W. Swords, M. D., secretary, New Orleans.

**Executive health officer:**

\*Oscar Dowling, M. D., president State board  
 of health, New Orleans.

**Bacteriologist:**

W. H. Seemann, M. D., New Orleans.

**Registrar:**

J. Geo. Dempsey, M. D., New Orleans.

**Sanitary engineer:**

John H. O'Neill, New Orleans.

**Child hygiene:**

Agnes Morris, New Orleans.

Maud Loeber, M. D., medical lecturer, New  
 Orleans.

**LOUISIANA—Continued.**

**Public health nursing:**  
 Mrs. M. Coale Alpha, New Orleans.

**Chemists:**  
 J. Roy Keeny, Phar. D., New Orleans.  
 Leonard C. Scott, M. D., Ph. D., New Orleans.

**Bureau of venereal diseases:**  
 Robt. C. Howe, M. D., U. S. P. H. S., New Orleans.

**Appropriations for fiscal year ending June 30, 1922:**

Isolation hospital at Alexandria.....	\$12,500
Venereal disease control work.....	12,500
General.....	75,000
<b>Total.....</b>	<b>100,000</b>

**Other source of revenue:**  
 Fees from inspection of oil.

**Publications issued by health department:**  
 Monthly bulletin.  
 Quarterly bulletin.  
 Annual almanac.  
 Biennial report.  
 Miscellaneous leaflets.

**MAINE.**

**Public health council:**  
 S. J. Beach, M. D., Portland.  
 Hiram W. Ricker, South Poland.  
 R. D. Small, M. D., Portland.  
 J. Q. Gulnac, Bangor.

**Executive health officer:**  
 C. F. Kendall, M. D., State commissioner of health, Augusta.

**Division of administration:**  
 \*....., Biddeford.

**Division of communicable diseases:**  
 \*A. G. Young, M. D., director, Augusta.

**Division of diagnostic laboratories:**  
 \*H. E. Thompson, M. D., director, Augusta.

**Division of sanitary engineering:**  
 \*P. C. McGouldrick, director, Augusta.

**Division of vital statistics:**  
 \*C. F. Kendall, M. D., State registrar, Augusta.

**Division of venereal diseases:**  
 \*George H. Coombs, M. D., director, Augusta.

**Division of public health nursing and child hygiene:**  
 \*Edith L. Soule, R. N., director, Augusta.

**District health officers:**  
 \*....., Biddeford.  
 \*E. P. Goodrich, M. D., Lewiston.  
 \*J. W. Loughlin, M. D., Damariscotta.  
 \*....., Waterville.  
 \*H. D. Worth, M. D., Bangor.  
 \*J. F. Stevens, M. D., Millinocket.  
 \*G. H. Hutchins, M. D., Presque Isle.  
 \*A. L. Smith, M. D., Machias.

**Appropriations for fiscal year ending June 30, 1922:**

Salaries and clerk hire.....	\$23,000
Office expense and epidemic fund.....	18,000
District and local health officers.....	35,000
Venereal disease control work.....	10,000
<b>Total.....</b>	<b>91,000</b>

**Other source of revenue:**  
 Census Bureau, Washington, D. C., about \$800.

**Publications issued by the department of health:**  
 Annual report of department of health.  
 Annual report on vital statistics.  
 Monthly scientific bulletin.

**MARYLAND.**

**Board of Health:**  
 Wm. H. Welch, M. D., president, Baltimore.  
 Alexander Armstrong, attorney general, Baltimore.  
 John S. Fulton, M. D., secretary, Baltimore.  
 Wm. W. Ford, M. D., Baltimore.  
 C. Hampson Jones, M. D., Baltimore.  
 Tolley A. Biays, Baltimore.  
 Benjamin C. Perry, Bethesda.  
 E. F. Kelly, Phar. D., Baltimore.

**Executive health officer:**  
 \*John S. Fulton, M. D., State health officer, Baltimore.

**Bureau of communicable diseases:**  
 \*Robert H. Riley, M. D., chief, Baltimore.

**Bureau of vital statistics:**  
 Frederic V. Bettler, M. D., chief, Baltimore.

**Food and drug commissioner:**  
 \*A. L. Sullivan, chief, Baltimore.

**Bureau of bacteriology:**  
 \*R. C. Salter, chief, Baltimore.

**Bureau of sanitary engineering:**  
 Robert B. Morse, C. E., chief, Baltimore.

**Bureau of chemistry:**  
 Wyatt W. Randall, Ph. D., chief, Baltimore.

**Division of accounts and property:**  
 \*Walter N. Kirkman, chief, Baltimore.

**Appropriations for fiscal year ending Sept. 30, 1921:**

Salaries.....	\$156,000
Expenses.....	84,000
<b>Total.....</b>	<b>240,000</b>

**Publications issued by the health department:**  
 Annual report.  
 Health officer's bulletin.

**MASSACHUSETTS.**

**Public health council:**  
 Eugene R. Kelley, M. D., chairman, Boston.  
 Roger I. Lee, M. D., Cambridge.  
 J. E. Lamoureaux, M. D., Lowell.  
 Richard C. Strong, M. D., Boston.  
 G. C. Whipple, Cambridge.  
 Warren C. Jewett, Worcester.  
 Sylvester Ryan, M. D., Springfield.

**Executive health officer:**  
 \*Eugene R. Kelley, M. D., State commissioner of public health, Boston.

**Division of sanitary engineering:**  
 \*X. H. Goodnough, director and chief engineer, Boston.

**Division of water and sewer laboratories:**  
 \*H. W. Clark, director and chemist, Boston.

**Division of communicable diseases:**  
 \*Bernard W. Carey, M. D., director, Winthrop.  
 \*L. M. French, M. D., epidemiologist.  
 \*Edith A. Becklor, bacteriologist, Boston.

**Division of hygiene:**  
 \*Merrill E. Champion, M. D., director, Cambridge.

**Division of food and drugs:**  
 \*Herman C. Lythgoe, director and analyst, Newton.

**Division of biologic laboratories:**  
 \*G. Benjamin White, Ph. D., director and pathologist, Boston.

**MASSACHUSETTS—Continued.**

Division of biological laboratories—Continued.  
**Antitoxin and vaccine laboratory:**  
 \_\_\_\_\_, assistant director,  
 Boston.  
**Wassermann laboratory:**  
 W. A. Hinton, M. D., assistant director,  
 Canton.  
 Milton J. Rosenau, M. D., consulting path-  
 ologist and bacteriologist, Boston.  
 Division of tuberculosis (sanatoria):  
 \*Sumner H. Remick, M. D., Reading.  
**Appropriations for fiscal year ending**  
**Nov. 30, 1921:**

Division of administration.....	\$31,200.00
Division of hygiene.....	44,000.00
Division of communicable diseases.....	79,090.00
Division of venereal diseases.....	21,670.00
Production and distribution of antitoxin and vaccine.....	53,400.00
Wassermann laboratory.....	9,700.00
Manufacture and distribution of arsphenamine.....	11,166.00
Division of food and drug inspec- tion.....	40,930.00
Division of water supply and sew- age disposal.....	74,675.00
An investigation relative to water- supply needs and resources.....	75,000.00
State examiners of plumbers.....	4,700.00
Division of tuberculosis.....	156,860.00
Maintenance of four sanatoria (tuberculosis).....	961,046.90
Maintenance of Peinkese Hospital (leprosy).....	17,000.00
<b>Total.....</b>	<b>1,580,497.90</b>

**Publications issued by health department:**  
 Monthly bulletin.  
 Annual report.  
 Miscellaneous pamphlets dealing with health  
 matters.

**MICHIGAN.**

**Public health council:**  
 Guy L. Kiefer, M. D., president, Detroit.  
 James G. Turner, M. D., vice president,  
 Houghton.  
 C. C. Slemons, M. D., Grand Rapids.  
 Frank M. Gowdy, M. D., St. Joseph.  
 Leland W. Carr, Lansing.  
**Executive health officer:**  
 \*Richard M. Olin, M. D., State health com-  
 missioner, Lansing.  
**Deputy health commissioner:**  
 George H. Ramsey, M. D., Lansing.  
**Bureau of engineering:**  
 E. D. Rich, C. E., State sanitary engineer  
 director, Lansing.  
**Bureau of laboratories:**  
 C. C. Young, Ph. D., director.  
 Minna Crooks, R. N., bacteriologist.  
 R. L. Kahn, immunologist.  
 Allan Lemon, clinical pathologist.  
 S. R. Johnson, D. V. S., veterinary pathologist.  
 Ernest Badger, chemist, water and sewage.  
 Chas. L. Bliss, physiological chemist.

\*Six months.

**MICHIGAN—Continued.**

**Bureau of nursing and child hygiene:**  
 Harriet Leck, R. N., director.  
**Bureau of communicable diseases:**  
 W. J. V. Deacon, M. D., D. P. H., director.  
**Bureau of dentistry:**  
 Kenneth R. Gibson, D. D. S., director.  
**Bureau of institutional health administration:**  
 Robert A MacGregor, M. D., director.  
**Bureau of education:**  
 Marjorie Delavan, director.  
**Bureau of embalming:**  
 F. J. Pienta, director.  
**Appropriations for fiscal year ending June 30, 1922:**

Personal service.....	\$167,690
Supplies.....	26,855
Contractual service.....	25,000
Hospitalization, care and treatment..	25,000
Maintenance of equipment.....	335
Laboratory equipment.....	28,603
Other equipment.....	6,120
<b>Total.....</b>	<b>279,603</b>

**Publications issued by health department:**  
 Monthly bulletin.  
 Annual report.  
 Communicable disease pamphlets.  
 Sex hygiene pamphlets.  
 Engineering bulletin.

**MINNESOTA.**

**Board of health:**  
 Egil Boeckmann, M. D., president, St. Paul.  
 C. L. Scofield, M. D., vice president, Benson.  
 N. M. Watson, M. D., Red Lake Falls.  
 A. E. Hedback, M. D., Minneapolis.  
 S. Mark White, M. D., Minneapolis.  
 L. P. Wolff, C. E., St. Paul.  
 O. W. Holcomb, M. D., St. Paul.  
 F. N. Hunt, M. D., Fairmont.  
 F. W. Cappelen, C. E., Minneapolis.  
**Executive health officer:**  
 \*A. J. Chesley, M. D., secretary and executive  
 officer, St. Paul.  
**Division of records:**  
 \*O. C. Pierson, director, St. Paul.  
**Division of preventable diseases:**  
 O. McDaniel, M. D., director, Minneapolis.  
**Division of sanitation:**  
 \*H. A. Whittaker, director, Minneapolis.  
**Division of vital statistics:**  
 \*Mrs. Gerda C. Pierson, director, St. Paul.  
**Division of venereal diseases:**  
 H. G. Irvine, M. D., director, St. Paul.  
 \*L. W. Feezer, assistant director, St. Paul.  
 \*Margaret Sheridan, educational supervisor.  
 \*Audrey Walton, chief social worker.  
**Appropriations for fiscal years ending July**  
**31, 1922 and 1923:**

General fund.....	\$20,000
Vital statistics.....	10,000
Communicable diseases.....	25,000
Laboratories.....	40,000
Sanitary engineering.....	7,000
Free antitoxin.....	10,000
Prevention of blindness.....	1,000
Venereal diseases.....	30,000
<b>Total.....</b>	<b>143,000</b>

**MINNESOTA—Continued.**

Other source of revenue:  
Aid from county and city for branch laboratory at Duluth, \$900.  
Publications issued by health department:  
Educational pamphlets.  
Biennial report.

**MISSISSIPPI.**

Board of health:  
W. W. Hall, M. D., president, Shelby.  
J. H. McNeill, M. D., Olive Branch.  
B. Lampton Crawford, M. D., Tylertown.  
T. F. Elkin, M. D., Tupelo.  
H. F. Garrison, M. D., Clinton.  
L. L. McDougal, M. D., Booneville.  
C. D. Mitchell, M. D., Jackson.  
I. L. Parsons, M. D., Brookhaven.  
T. W. Reagan, M. D., Union.  
E. M. Gavin, M. D., Ovett.  
W. H. Watson, M. D., Brandon.  
J. H. Windham, M. D., Ecu.  
Executive health officer:  
\*W. S. Leathers, M. D., secretary State board of health, Jackson.  
Bureau of vital statistics:  
\*R. W. Hall, M. D., director, Jackson.  
Bureau of child welfare:  
\*F. J. Underwood, M. D., director, Jackson.  
Hygienic laboratory:  
\*C. R. Stingily, M. D., director, Jackson.  
Bureau of sanitary inspection:  
\*Cyrus M. Shipp, M. D., chiefsanitary inspector, University.  
H. A. Kroeze, C. E., sanitary engineer, Jackson.  
Bureau of rural sanitation:  
\*W. S. Leathers, M. D., acting director, Jackson.  
Bureau of venereal diseases:  
\*Hardie Hays, M. D., director.  
Bureau of public health nursing:  
\*Mary D. Osborne, R. N., director, Jackson.

Appropriations for fiscal year ending Dec. 31, 1921:

Administrative office.....	\$30,000
Bureau of vital statistics.....	12,000
Municipal sanitation.....	12,000
Rural sanitation.....	40,000
Hygienic laboratory.....	20,000
Child welfare.....	30,000
Venereal diseases.....	20,000
Total.....	164,000

Publications issued by health department:  
Biennial report.  
Monthly bulletin.

**MISSOURI.**

Board of health:  
Emmett P. North, M. D., president, St. Louis.  
Franklin E. Murphy, M. D., vice president, Kansas City.  
Cortez F. Enloe, M. D., secretary, Jefferson City.  
R. S. Vitt, M. D., St. Louis.  
E. E. Brunner, M. D., Carrollton.  
T. A. Son, M. D., Bonne Terre.  
T. H. Wilcoxon, M. D., Bowling Green,

**MISSOURI—Continued.**

Executive health officer:  
\*Cortez F. Enloe, M. D., secretary State board of health and State commissioner of health, Jefferson City.  
Division of venereal diseases:  
\*R. L. Russell, M. D., director, Jefferson City.  
Division of child hygiene:  
\*Irl Brown Krause, M. D., director, Jefferson City.  
Statistician:  
\*Jas. Wark, Jefferson City.  
Appropriations for biennial period ending Dec. 31, 1922:  
Board of health fund, bureau of license..... \$15,000  
Salaries..... 49,600  
Division of venereal diseases..... 19,000  
Public health and child hygiene exhibits..... 5,000  
Traveling expenses..... 10,000  
Printing..... 9,000  
Postage..... 4,000  
Laboratory and contingent expense... 4,000  
Cooperative rural sanitation fund..... 20,000  
Total..... 135,600

**MONTANA.**

Board of health:  
L. H. Fligman, M. D., president, Helena.  
B. L. Pampel, M. D., vice president, Livingston.  
D. J. Donohue, M. D., Butte.  
E. G. Balsam, M. D., Billings.  
E. M. Porter, M. D., Great Falls.  
Executive health officer:  
\*W. F. Cogswell, M. D., secretary, Helena.  
Division of communicable diseases:  
\*John J. Sippy, M. D., epidemiologist, Helena.  
Division of child welfare:  
\*Mary Margaret Muckley, R. N., director, Helena.  
Division of food and drugs:  
\*H. M. Shea, director, Helena.  
Division of social hygiene:  
\*F. J. O'Donnell, director, Helena.  
Division of vital statistics:  
\*W. F. Cogswell, M. D., State registrar, Helena.  
Division of water and sewage:  
\*W. M. Cobleigh, director, Bozeman.  
\*H. B. Foote, bacteriologist, Bozeman.  
Water and sewage laboratory and food and drug laboratory:  
\*W. M. Cobleigh, director, Bozeman.  
\*R. C. Sherwood, analyst, Bozeman.  
Hygienic laboratory:  
\*E. D. Hitchcock, M. D., director, Helena.  
\*Richard M. Johnson, assistant bacteriologist, Helena.  
Appropriations for fiscal year ending June 30, 1922:  
Salaries..... \$6,800  
Division of child welfare..... 4,266  
Expenses board of health..... 4,500  
Hygienic laboratory..... 10,190  
Inspection of water plants..... 4,325  
Food and water laboratory..... 3,495

**MONTANA—Continued.**

Appropriations for fiscal year ending June 30, 1922.

Enforcing food and drug law.....	\$4,680
Division of communicable diseases.....	11,930
Venereal disease control work.....	4,645
Board of entomology (spotted fever work).....	9,600
Division of vital statistics.....	2,900
<b>Total.....</b>	<b>67,340</b>

Other sources of revenue:  
 Fees for embalmers' license.  
 Publications issued by health department:  
 Monthly bulletin.  
 Special bulletins on communicable diseases.  
 Biennial report.

**NEBRASKA.**

Department of public welfare:  
 \*H. H. Antles, secretary, Lincoln.  
 Bureau of health—  
 Executive health officer and epidemiologist—  
 \*I. H. Dillon, M. D., chief of bureau of health, Lincoln.  
 Bacteriologist—  
 \*L. O. Vose, Lincoln.  
 Division of venereal diseases—  
 \*P. H. Bartholomew, M. D., director, Lincoln.  
 Statistician—  
 \*May F. Hyland, Lincoln.  
 Division of child hygiene—  
 \*Margaret McGreevy, R. N., director.  
 Sanitary engineer—  
 \*R. N. Tracy, C. E., Lincoln.  
 Medical examining board—  
 J. E. Spatz, M. D., Fairfield.  
 H. J. Lehnhoff, M. D., Lincoln.  
 E. T. McGuire, M. D., Mead.  
 Appropriations for biennial period ending June 30, 1923:  
 Salaries..... \$59,760  
 Maintenance..... 46,170  
**Total..... 105,930**

**NEVADA.**

Board of health:  
 Emmet D. Boyle, governor, president, Carson City.  
 S. L. Lee, M. D., secretary, Carson City.  
 George Brodigan, secretary of state.  
 W. H. Hood, M. D., Reno.  
 Alice Thompson, M. D., Reno.  
 Executive health officer:  
 \*S. L. Lee, M. D., secretary State board of health, Carson City.  
 State hygienic laboratory at State university:  
 Alice Thompson, M. D., director, Reno.  
 Appropriations for fiscal year ending Dec. 31, 1921:  
 Salary of secretary..... \$5,000  
 State board of health..... 3,300  
**Total..... 8,300**  
 Publications issued by health department:  
 Biennial report.  
 Special bulletins.

**NEW HAMPSHIRE.**

Board of health:  
 Robert Fletcher, Ph. D., C. E., president, Hanover.  
 D. E. Sullivan, M. D., Concord.  
 George C. Wilkins, M. D., Manchester.  
 Sibley G. Morrill, M. D., Concord.  
 Albert O. Brown, governor, Manchester.  
 Oscar L. Young, attorney general, Laconia.  
 Executive health officer:  
 \*Charles Duncan, M. D., secretary State board of health, Concord.  
 Laboratory of hygiene:  
 \*Charles D. Howard, chemist, Concord.  
 \*Clara Isreali, M. D., bacteriologist, Concord.  
 \*Joseph X. Duval, inspector, Concord.  
 \*Charles L. Pool, sanitary engineer.  
 Robert Fletcher, C. E., engineer, Hanover.  
 Bacteriological laboratory:  
 H. N. Kingsford, M. D., bacteriologist, Hanover.  
 Venereal disease division:  
 \*Charles A. Weaver, M. D., Manchester.  
 Appropriations for fiscal year ending Aug. 31, 1922:  
 State board of health..... \$26,150  
 Laboratory of hygiene..... 15,500  
 Vital statistics..... 2,800  
**Total..... 44,450**  
 Publications issued by health department:  
 Quarterly bulletin.  
 Biennial report.

**NEW JERSEY.**

Board of health:  
 Henry Spence, M. D., president, Jersey City.  
 Thomas B. Lee, M. D., vice president, Camden.  
 Oliver Kelly, Oak Tree.  
 Clyde Potts, C. E., Morristown.  
 H. E. Winter, V. M. D., Plainfield.  
 J. Oliver McDonald, M. D., Trenton.  
 Harold J. Harder, C. E., Paterson.  
 David D. Chandler, Newark.  
 Executive health officer:  
 \*Jacob C. Price, M. D., director of health, Trenton.  
 Laboratory of hygiene:  
 \*R. B. Fitz-Randolph, chief, Trenton.  
 Bureau of administration:  
 \*Chas. J. Merrell, chief, Trenton.  
 Bureau of food and drugs:  
 \*Walter W. Scofield, chief, Trenton.  
 Bureau of medical supervision:  
 \*A. C. Hunt, M. D., chief, Trenton.  
 Bureau of child hygiene:  
 Julius Levy, M. D., consultant, Trenton.  
 Bureau of local health administration:  
 \*David C. Bowen, chief, Trenton.  
 Bureau of engineering:  
 \*H. P. Croft, chief, Trenton.  
 Bureau of vital statistics:  
 \*David S. South, chief, Trenton.  
 Bureau of venereal disease control:  
 A. J. Casselman, M. D., chief, Trenton.  
 Appropriations for fiscal year ending June 30, 1922:  
 Salaries..... \$143,880  
 Miscellaneous..... 63,500

**NEW JERSEY—Continued.**

Appropriations for fiscal year ending June 30, 1922—Continued.  
 Child hygiene ..... \$150,000  
 Venereal disease control..... 35,000  
 Total..... 392,380  
 Publications issued by health department:  
 Monthly bulletin.  
 Annual report.

**NEW MEXICO.**

Board of public welfare:  
 Mrs. A. Otero-Warren, chairman, Santa Fe.  
 A. G. Shortle, M. D., secretary, Albuquerque.  
 Mrs. R. P. Donohoo, Albuquerque.  
 Mrs. Max Nordhaus, Albuquerque.  
 Charles Lembke, Albuquerque.  
 Executive health officer:  
 \*C. E. Waller, M. D., U. S. P. H. S., temporary director of public health, Santa Fe.  
 Division of preventable diseases and vital statistics:  
 \*G. S. Luckett, M. D., chief, Santa Fe.  
 Division of sanitary engineering and sanitation:  
 \*H. F. Gray, Gr. P. H., chief, Santa Fe.  
 Division of public-health nursing and child hygiene:  
 \*Margaret Tupper, R. N., chief, Santa Fe.  
 Public health laboratory:  
 \*Myrtle Greenfield, chief, Albuquerque.  
 Appropriation for fiscal year ending Nov. 30, 1922, \$27,000.

**NEW YORK.**

Public health council:  
 Hermann M. Biggs, M. D., LL. D., chairman, Albany.  
 Homer Folks, LL. D., New York.  
 Simon Flexner, M. D., LL. D., New York.  
 Henry N. Ogden, C. E., Ithaca.  
 T. Mitchell Prudden, M. D., LL. D., New York.  
 Jacob Goldberg, M. D., Buffalo.  
 Mrs. Ella L. Blair, New York.  
 Executive health officer:  
 \*Hermann M. Biggs, M. D., LL. D., commissioner of health, Albany.  
 Deputy commissioner of health:  
 \*Matthias Nicoll, jr., M. D., Albany.  
 Secretary:  
 \*John A. Smith, M. D., Albany.  
 Executive clerk:  
 \*Fenimore D. Beagle, Albany.  
 Division of public health education:  
 \*B. R. Rickards, director, Albany.  
 Division of sanitation:  
 \*Charles A. Holmquist, C. E., director, Albany.  
 Division of vital statistics:  
 \*Otto R. Eichel, M. D., director, Albany.  
 Division of child hygiene:  
 \*Elsie Blanchard, M. D., director, Albany.  
 Division of communicable diseases:  
 \*Edward S. Godfrey, M. D., director, Albany.  
 Division of tuberculosis:  
 \*Frederick W. McSorley, M. D., director, Albany.  
 Division of venereal diseases:  
 \*J. S. Lawrence, M. D., director, Albany.

**NEW YORK—Continued.**

Division of laboratories and research:  
 \*Augustus B. Wadsworth, M. D., director, Albany.  
 Division of public health nursing:  
 \*Mathilde S. Kuhlman, R. N., director, Albany.  
 Appropriations for fiscal year ending June 30, 1922:  
 Personal service ..... \$545,250  
 Maintenance and operation..... 378,600  
 Total..... 923,850

Other sources of revenue:  
 Fees from certified transcripts of birth, death, and marriage certificates, and registration of laboratories, approximately \$1,000 per annum.  
 Licensing laboratories, \$175.  
 Sale of serums, \$1,500.  
 Publications issued by health department:  
 Monthly Health News.  
 Health Officers' Bulletin.  
 Public Health Nurses' Bulletin.  
 Vital Statistics Bulletin.

**NORTH CAROLINA.**

Board of health:  
 J. Howell Way, M. D., president, Waynesville.  
 Richard H. Lewis, M. D., LL. D., Raleigh.  
 J. L. Ludlow, C. E., Winston-Salem.  
 Thomas E. Anderson, M. D., Statesville.  
 A. J. Crowell, M. D., Charlotte.  
 Chas. O'H. Laughinghouse, M. D., Greenville.  
 E. J. Tucker, D. D. S., Roxboro.  
 Cyrus Thompson, M. D., Jacksonville.  
 F. R. Harris, M. D., Henderson.  
 Executive health officer:  
 W. S. Rankin, M. D., secretary State board of health and State health officer, Raleigh.  
 Assistant to the secretary:  
 Ronald B. Wilson, Raleigh.  
 Bureau of tuberculosis:  
 L. B. McBrayer, M. D., chief of bureau and superintendent of the State sanatorium, Sanatorium.  
 Laboratory of hygiene:  
 C. A. Shore, M. D., director, Raleigh.  
 Deputy State registrar:  
 F. M. Register, M. D., Raleigh.  
 Bureau of medical inspection of schools:  
 G. M. Cooper, M. D., director, Raleigh.  
 Bureau of engineering and inspection:  
 H. E. Miller, C. E., director, Raleigh.  
 Bureau of public health nursing and infant hygiene:  
 Miss Rose M. Ehrenfeld, R. N., director, Raleigh.  
 Bureau of county health work:  
 K. E. Miller, M. D., director, Raleigh.  
 Bureau of epidemiology:  
 J. S. Mitchener, M. D., chief, Raleigh.  
 North Carolina Sanatorium:  
 L. B. McBrayer, M. D., superintendent, Sanatorium.  
 Appropriations for fiscal year ending Nov. 30, 1921:  
 State board of health (executive office). \$54,500  
 Vital statistics..... 20,000

**NORTH CAROLINA—Continued.**

<b>Appropriations for fiscal year ending Nov. 30, 1921—Continued.</b>	
Laboratory of hygiene.....	\$55,000
Tuberculosis sanatorium.....	100,000
School inspection.....	60,000
County health work.....	53,000
Epidemiology.....	11,000
Veneral disease control work.....	21,000
Public health nursing and infant hygiene.....	6,500
Engineering and inspection.....	49,000
<b>Total.....</b>	<b>430,000</b>
<b>Other sources of revenue:</b>	
International health board.....	15,000
Federal Government.....	15,000
American Red Cross.....	6,500
Counties, for county health work.....	110,000
Fees paid the laboratory.....	15,000
<b>Publications issued by health department:</b>	
Monthly bulletin.	
Special bulletins.	
Biennial report.	

**NORTH DAKOTA.**

<b>Board of health:</b>	
William Lemke, attorney general, president, Bismarck.	
W. C. Nolte, M. D., vice president, Jamestown.	
H. E. French, M. D., secretary, Grand Forks.	
<b>Executive health officer:</b>	
H. E. French, M. D., secretary State board of health, Grand Forks.	
<b>Appropriations for biennial period ending June 30, 1923:</b>	
Salaries (specific).....	\$2,800
Miscellaneous.....	4,100
<b>Total.....</b>	<b>6,900</b>
<b>Publications issued by health department:</b>	
Quarterly bulletin.	
Annual statistical data.	
Biennial report.	

**OHIO.**

<b>Public health council:</b>	
Harry H. Snively, M. D., chairman.	
G. D. Lummis, M. D.	
C. O. Probst, M. D.	
F. C. Croxton.	
R. M. Calfee.	
James E. Bauman, secretary.	
<b>Executive health officer:</b>	
*Harry H. Snively, M. D., director of health, Columbus.	
<b>Assistant director of health:</b>	
*James E. Bauman.	
<b>Division of administration:</b>	
*James E. Bauman, chief.	
*M. E. Hayhurst, chief clerk.	
<b>Division of communicable diseases:</b>	
*Frank G. Boudreau, M. D., chief.	
Bureau of trachoma clinics— ———, chief.	
<b>Bureau local health organization—</b>	
*H. T. Thornburgh, M. D., chief.	

**OHIO—Continued.**

<b>Division of sanitary engineering:</b>	
*W. H. Dittoe, chief.	
Bureau of plumbing inspection— *A. A. Manchester, chief.	
<b>Division of laboratories:</b>	
*Fred Berry, chief.	
<b>Division of vital statistics:</b>	
*U. G. Murrell, M. D., chief.	
<b>Division of hygiene:</b>	
*R. G. Leland, M. D., chief.	
Bureau of tuberculosis— *J. A. Frank, M. D., chief.	
Bureau of child hygiene— *Natalie Merrill, chief.	
Bureau of veneral diseases— *P. M. Wright, M. D., chief.	
Bureau of hospitals— *Henry J. Southmayd, chief.	
Bureau of public health nursing— *Hulda A. Cron, R. N., chief.	
<b>Division of industrial hygiene:</b>	
*E. B. Starr, M. D., chief.	
<b>Appropriations for fiscal year ending June 30, 1922:</b>	
Personal services.....	\$150,000
Maintenance.....	97,035
State aid for health districts.....	150,000
<b>Total.....</b>	<b>397,035</b>
<b>Publication issued by health department:</b>	
Monthly public health journal.	

**OKLAHOMA.**

<b>Executive health officer:</b>	
*A. R. Lewis, M. D., Commissioner of health, Oklahoma City.	
<b>Assistant commissioner of health:</b>	
*J. P. Folan, Oklahoma City.	
<b>Chemist:</b>	
*W. A. Walker, Oklahoma City.	
<b>Bacteriologist:</b>	
*L. E. Wood, Oklahoma City.	
<b>Sanitary engineer:</b>	
*H. J. Dorcey, Oklahoma City.	
<b>Director of publicity:</b>	
*Lelia Hoagland, Oklahoma City.	
<b>Bureau of vital statistics:</b>	
*W. B. Dennis, chief, Oklahoma City.	
<b>Appropriations for the fiscal year ending June 30, 1922:</b>	
Salaries.....	\$40,800
Biological supply.....	7,500
Traveling expenses for sanitary engineer	1,250
Maintenance of laboratory.....	5,000
Control of epidemics.....	5,000
Maintenance of bureau of veneral disease.....	15,000
Contingent.....	5,000
<b>Total.....</b>	<b>79,550</b>

**OREGON.**

<b>Board of health:</b>	
W. B. Morse, M. D., president, Salem.	
C. J. Smith, M. D., vice president, Portland.	
Andrew C. Smith, M. D., Portland.	

## OREGON—Continued.

## Board of health—Continued.

F. M. Brooks, M. D., Portland.  
George E. Houck, M. D., Roseburg.  
J. H. Rosenberg, M. D., Prineville.

## Executive health officer:

\*Frederick D. Stricker, M. D., State health officer, Portland.

## Registrar of vital statistics:

\*Frederick D. Stricker, M. D., Portland.

## Bacteriologist:

Wilma Hemstock, Portland.

Appropriation for fiscal year ending Dec. 31, 1921, \$25,000.

## Publications issued by health department:

Annual report.  
Biennial report.  
Quarterly bulletin.  
Pamphlets and posters.

## PENNSYLVANIA.

## Advisory board:

Charles B. Penrose, M. D., Philadelphia.  
Adolph Koenig, M. D., Pittsburgh.  
Edgar M. Green, M. D., Easton.  
A. A. Cairns, M. D., City Hall, Philadelphia.  
Lee Masterton, C. E., Johnstown.  
Clarence J. Marshall, V. M. D., Philadelphia.

## Executive health officer:

\*Edward Martin, M. D., commissioner of health, Harrisburg.

## Deputy commissioner of health:

\*John D. McLean, M. D., Harrisburg.

## Assistant to the commissioner:

\*Thomas W. Jackson, M. D., Harrisburg.

## Executive secretary:

\*James F. McCoy, Harrisburg.

## Assistant to executive secretary:

\*Florence Rinkenbach, Harrisburg.

## Dental division:

\*C. J. Hollister, chief, Harrisburg.

## Division of medical inspection:

\*J. Moore Campbell, M. D., chief medical director, Harrisburg.

## Division of school health:

\*William J. Crookston, M. D., chief, Harrisburg.

## Division of laboratories:

\*John L. Laird, M. D., chief of laboratories, Philadelphia.

## Division of sanatoria:

\*Royal H. McCutcheon, M. D., medical director Pennsylvania State Sanatorium for Tuberculosis No. 1, Mont Alto.

\*W. G. Turnbull, M. D., medical director, Pennsylvania State Sanatorium for Tuberculosis No. 2, Cresson.

\*Henry A. Gorman, M. D., medical director, Pennsylvania State Sanatorium for Tuberculosis No. 3, Hamburg.

## Division of tuberculosis:

\*A. P. Francine, M. D., chief, Harrisburg.

## Division of genito-urinary dispensaries:

\*S. Leon Gans, M. D., chief, Harrisburg.

## Division of supplies and biological products:

\*Roy C. Miller, chief, Harrisburg.

## Division of engineering:

\*C. A. Emerson, jr., chief engineer, Harrisburg.

## PENNSYLVANIA—Continued.

## Bureau of housing:

\*John Molitor, chief, Harrisburg.

## Bureau of vital statistics:

\*Wilmer R. Batt, M. D., State registrar, Harrisburg.

## Division of accounts:

\*Clinton T. Williams, chief, Harrisburg.

## Division of purchasing:

\*Charles H. Clappier, jr., chief, Harrisburg.

## Division of child health:

\*Mary Riggs Noble, M. D., chief, Harrisburg.

## Bureau of drug control:

\*Thomas S. Blair, M. D., chief, Harrisburg.

## Division of public health education:

\*William C. Miller, M. D., chief, Harrisburg.

## Division of nurses:

\*Alice M. O'Halloran, chief, Harrisburg.

## Division of newspapers:

\*Lida R. Beckwith, chief, Harrisburg.

## Appropriations for biennial period ending May 31, 1923:

Tuberculosis work.....	\$2,500,000
General fund.....	1,585,000
School inspection.....	200,000
Salaries.....	985,120
Total.....	5,270,120

## PHILIPPINE ISLANDS.

## Council of hygiene, advisory board to the director of health:

Fernando Calderón, M. D., president, Manila.  
Leoncio Lopez Rizal, M. D., secretary, Manila.  
Gervasio Ocampo, M. D., Manila.  
José Albert, M. D., Manila.  
Benito Valdez, M. D., Manila.  
Luis Torres, LL. B., Manila.  
Tomas Earnshaw, Manila.

## Food inspection committee:

S. V. del Rosario, M. D., assistant director of health, chairman.  
John Rider, member.  
Granville Perkins, M. D., member.  
F. J. Brown, member.

## Leprosy investigation committee:

J. P. Bantug, Ph. G., M. D., chairman.  
Liberio Gomez, Ph. D., M. D., recorder.  
W. H. Wade, M. D., member.  
Granville A. Perkins, Ph. D., member.  
Proceso Gabriel, M. D., member.  
Samuel Tietze, M. D., member.  
Daniel de la Paz, M. D., member.  
Luis Guerrero, M. D., member.

## Committee on diagnosis of leprosy:

W. H. Wade, M. D., chairman.  
Proceso Gabriel, M. D., member.  
Liberio Gomez, Ph. D., M. D., member.

## Committee on leprosy treatment, Cullion:

J. Avellana Basa, M. D., chief.  
Catalino Nicolas, M. D., member.  
Jose Mario Alonzo, M. D., member.  
Santiago Icasiano, M. D., member.  
Gavino Limkako, M. D., member.  
Felisberto Solis, M. D., member.  
Guillermo Fernandez, M. D., member.  
Dalmacio Jugueta, M. D., member.  
Miss Rufina Agoncillo, member.



**PHILIPPINE ISLANDS—Continued.****Committee on leprosy treatment, Cullion—Contd.**

Mrs. Josefa V. Jugueta, member.  
 Miss Seraña Cadapan, member.  
 Miss Leona Carransa, member.  
 Miss Florencia de Guzman, member.  
 Miss Victoria L. Vicente, member.  
 Ulpiano Evangelista, member.  
 Pablo de Castro, member.

**Cholera vaccination committee:**

Leoncio Lopez Rizal, M. D., chairman.  
 Otto Schobl, M. D., member.  
 Proceso Gabriel, M. D., member.

**Board of masseurs:**

Felipe Arenas, M. D., chairman.  
 Miss Enriqueta Macaraig, R. N., member.  
 T. Sugimoto, R. N., member.

**Committee on the insane:**

Catalino Gavino, M. D., chief, San Lazaro Hospital, acting chairman.  
 Elias Domingo, M. D., San Lazaro Hospital, member.

Felipe Arenas, M. D., medical inspector, Health Station No. 2, Meisic Station, member.

**Committee on tuberculosis:**

Catalino Gavino, M. D., chief San Lazaro Hospital, acting chairman.  
 Proceso Gabriel, M. D., member.  
 Samuel Tietze, M. D., member.

**Board of embalmers:**

Manuel Gomez, M. D., chairman.  
 Felipe Arenas, M. D., member.  
 J. P. Bantug, Ph. G., M. D., member.

**Board of physical examination:**

J. M. Raymundo, M. D., officer in charge of Health Station No. 1, Intramuros.

**Executive health officer:**

\*Vicente de Jesus, M. D., director of health, Manila.

**Assistant director of health:**

\*Salvador V. del Rosario, M. D., Manila.

**Division of Provincial sanitation:**

\*Eugenio Hernando, M. D., chief, Manila.

**Division of Manila sanitation:**

\*Andres Catanjal, M. D., chief, Manila.

**Office of statistics and epidemiology:**

\*Manuel Gomez, M. D., chief, Manila.

**Office of health education:**

\*José P. Bantug, M. D., chief, Manila.

**Office of district nursing:**

\*Carmen R. Leogardo, R. N., chief, Manila.

**Clerical office:**

\*Mamerto Tianco, chief, Manila.

**Office of property:**

\*Generoso S. Quintero, chief, Manila.

**Appropriations for fiscal year ending**

Dec. 31, 1921:

Salaries and wages.....	\$516,294
Miscellaneous expenses.....	791,817
Furniture and equipment.....	21,850
Aid to specially organized Provinces.....	196,953
<b>Total.....</b>	<b>1,526,914</b>

Appropriation for the treatment of segregated lepers..... 150,000

**PHILIPPINE ISLANDS—Continued.****Publications issued by health service:**

Daily news bulletin.  
 Monthly bulletin.  
 Annual report.  
 Occasional pamphlets.

**PORTO RICO.****Insular board of health:**

W. F. Lippitt, M. D., president, San Juan.  
 José Lugo Vina, M. D., secretary, San Juan.  
 W. A. Glines, M. D., San Juan.  
 Fernando Marquez Roig, pharmacist, Rio Piedras.

José A. Diaz, M. D., San Juan.

José S. Belaval, M. D., San Juan.

G. A. Ramirez de Arellano, engineer, San Juan.

**Executive health officer:**

\*Alejandro Ruiz Soler, M. D., commissioner of health, San Juan.

\*Antonio Fernós Isern, M. D., assistant commissioner of health, San Juan.

**Division of property and accounts:**

\*Antonio Llabres, chief, San Juan.

**Division of sanitary engineering:**

\*G. A. Ramirez de Arellano, sanitary engineer, San Juan.

**Bacteriological laboratory:**

\*F. J. Hernández, M. D., director, San Juan.

**Chemical laboratory:**

\*R. del Valle Sárraga, chemist, director, San Juan.

**Division of transmissible diseases and statistics:**

\*Pedro N. Ortiz, M. D., chief, San Juan.

**Appropriations for fiscal year ending**

June 30, 1922:

Department of health (proper), salaries and contingent expense.....	\$190,197.25
Leper colony.....	24,070.50
Quarantine hospital.....	13,705.00
Mosquito extermination.....	30,000.00
Suppression of anemia.....	30,000.00
Emergency fund for control and suppression of epidemics (unexpended balance previous year).....	12,274.03
Trust funds for control and suppression of epidemics (fines for violation of sanitary regulations).....	3,464.63
Insular sanatorium.....	161,795.00
Care of tuberculosis patients.....	10,000.00
Education and support of poor deaf-mute children.....	1,200.00
Girls' charity school.....	75,465.25
Boys' charity school.....	110,461.65
Blind asylum.....	39,544.50
Insane asylum.....	120,417.00
<b>Total.....</b>	<b>822,594.81</b>

**Publication issued by health department:**

Annual report.

**RHODE ISLAND.****Board of health:**

R. Morton Smith, M. D., president, Riverpoint.  
 Thomas J. McLaughlin, M. D., vice president, Woonsocket.

**RHODE ISLAND—Continued.**

**Board of health—Continued.**

- Alexander B. Briggs, M. D., Ashaway.
- Norman M. MacLeod, M. D., Newport.
- William F. Williams, M. D., Bristol.
- Joseph M. Bennett, M. D., Providence.
- M. S. Budlong, M. D., Providence.

**Executive health officer:**

- B. U. Richards, M. D., secretary State board of health and State registrar, Statehouse, Providence.

**Pathologist:**

- Lester A. Round, Providence.

**Chemist:**

- Stephen De M. Gage, Providence.

**Appropriations for fiscal year ending Dec. 31, 1921:**

Executive department.....	\$16,500
Chemical laboratory.....	15,000
Pathological laboratory.....	18,000
Child-welfare division.....	16,000
Prosecuting cases of illegal medical practice.....	1,900
<b>Total.....</b>	<b>67,300</b>

**Publications issued by health department:**

- Quarterly bulletin.
- Annual report of births, deaths, and marriages.
- Annual report of State board of health.

**SOUTH CAROLINA.**

**Executive committee, board of health:**

- Robert Wilson, jr., M. D., chairman, Charleston.
- R. A. Marsh, M. D., Edgefield.
- C. C. Gambrell, M. D., Abbeville.
- E. A. Hines, M. D., Seneca.
- Miles J. Walker, M. D., York.
- William Egleston, M. D., Hartsville.
- S. C. Calder, Ph. G., Greenville.
- W. M. Lester, M. D., Columbia.
- Samuel M. Wolfe, attorney general, Columbia.
- Walter E. Duncan, comptroller general, Columbia.

**Executive health officer:**

- \*James A. Hayne, M. D., State health officer, Columbia.

**Department of county health units:**

- \*L. A. Riser, M. D., Columbia.

**Bureau of child hygiene and supervisor of public health nursing:**

- \*Mrs. Ruth A. Dodd, R. N., Columbia.

**Bureau of venereal diseases:**

- \*C. V. Akin, M. D., U. S. P. H. S., Columbia.

**Laboratory department:**

- \*F. A. Coward, M. D., in charge, Columbia.
- \*J. R. Cain, chief bacteriologist, Columbia.
- \*H. M. Smith, M. D., serologist, Columbia.

**Bureau of vital statistics:**

- \*C. W. Miller, Columbia.

**Bacteriologist and chemist:**

- F. L. Parker, jr., M. D., Ph. D., Columbia.

**South Carolina Sanatorium:**

- \*Ernest Cooper, M. D., superintendent, Columbia.

**Epidemiologist:**

- A. H. Hayden, M. D., Columbia.

**Sanitary engineer:**

- \*E. L. Filby, C. E., Columbia.

**State hotel inspector:**

- \*J. H. Woodward, Columbia.

**SOUTH CAROLINA—Continued.**

**Appropriations for fiscal year ending**

Dec. 31, 1921:

Administrative office.....	\$47,820.00
Bureau of child hygiene.....	12,480.00
Bureau of vital statistics.....	6,480.00
Division of venereal disease control.....	33,886.00
Laboratory.....	11,650.00
Bureau of rural sanitation.....	10,000.00
Malaria cooperative work.....	15,000.00
Tuberculosis sanatoria.....	61,989.95

**Total..... 199,255.95**

**Publications issued by health department:**

- Annual report.
- Bulletins of various departments.

**SOUTH DAKOTA.**

**Board of health:**

- J. W. Freeman, M. D., president, Lead.
- R. D. Alway, M. D., vice president, Aberdeen.
- J. Howard Smith, M. D., Huron.
- H. R. Kenaston, M. D., Bonesteel.
- Park B. Jenkins, M. D., superintendent, Waubay.

**Executive health officer:**

- Park B. Jenkins, M. D., superintendent and executive officer, Waubay.

**Division of vital statistics:**

- Park B. Jenkins, M. D., director.

**Division of sanitary engineering:**

- A. H. Wieters, director.

**Division of education and publicity:**

- M. C. Haecker, director.

**Division of public health nursing:**

- Mrs. E. P. Wanzer, director.

**Division of records and accounts:**

- Edna Jenkins, director.

**Division of medical licensure:**

- H. R. Kenaston, M. D., director.

**Laboratories at Vermilion:**

- J. C. Ohlmacher, M. D., director.

**Division of preventable diseases:**

- \_\_\_\_\_, director.

**Division of child hygiene:**

- \_\_\_\_\_, director.

**Appropriations for fiscal year ending June 30, 1922:**

Salary of superintendent.....	\$4,000
Salary of employees, administration expense, per diem, mileage, and expense of members, printing and necessary publications, division of medical licensure, division of venereal diseases, division of public health nursing.....	42,700
<b>Total.....</b>	<b>46,700</b>

**Publications issued by health department:**

- Mothers' book.
- Biennial report.

**TENNESSEE.**

**Board of health:**

- W. J. Miller, M. D., president, Johnson City.
- E. M. Sanders, M. D., vice president, Nashville.
- C. B. A. Turner, M. D., Dyer.
- T. F. Peck, Nashville.

**Executive health officer:**

- \*Olin West, M. D., secretary State board of health, Nashville.

## TENNESSEE—Continued.

Division of vital statistics:  
 \*C. B. Crittenden, M. D., director, Nashville.

Division of rural sanitation:  
 \*E. L. Bishop, M. D., director, Nashville.

Division of laboratories:  
 William Litterer, M. D., director, Nashville.

Division of sanitary engineering:  
 \*C. N. Harrub, director, Nashville.

Division of venereal disease control:  
 \*Olin West, M. D., acting director, Nashville.

Division of oral hygiene:  
 \*A. G. Buckner, D. D. S., director, Nashville.

State directing nurse:  
 \*Miss M. G. Nisbet, R. N., Nashville.

Pure food and drugs commissioner:  
 D. J. Frazier, Nashville.

Appropriations for biennial period ending July 1, 1923:

Administration, office, etc.....	\$20,300.00
Epidemic fund.....	5,000.00
Malaria control fund.....	6,000.00
Trachoma control fund.....	4,000.00
Vital statistics fund.....	21,800.00
Rural sanitation fund.....	23,000.00
Sanitary engineering fund.....	21,200.00
Laboratories fund.....	23,640.00
Venereal diseases.....	29,956.72
Total.....	154,896.72

Other sources of revenue:

International health board, rural sanitation,	\$23,000.
International health board, malaria control,	amount not definitely determined.
American Red Cross, cooperation in nursing service.	
United States public health service, cooperation in malaria control.	
United States Government, cooperation in venereal disease control.	
Individual counties and cities in State, cooperation in malaria control, venereal disease control, and rural sanitation.	

## TEXAS.

Board of health:

Manton M. Carrick, M. D., president, Austin.  
 Dickson G. Thompson, M. D., Waxahachie.  
 Thomas B. Fisher, M. D., Dallas.  
 M. M. Brown, M. D., Mexia.  
 Nettie Klein, M. D., Texarkana.  
 M. F. Bledsoe, M. D., Port Arthur.  
 M. P. Smart, M. D., Manor.

Executive health officer:  
 Manton M. Carrick, M. D., Austin, State health officer.

Assistant State health officer:  
 James D. Blevins, M. D., Austin.

Bureau of venereal disease:  
 James D. Blevins, M. D., director, Austin.

Bureau of child hygiene and public health nursing:  
 Mrs. Lyda K. King, R. N., director, Austin.

Bureau of sanitary engineering:  
 V. M. Ehlers, C. E., director, Austin.  
 E. G. Eggert, assistant, Austin.

## TEXAS—Continued.

Bureau of rural sanitation:  
 Alex P. Harrison, M. D., director, Austin.

Bureau of food and drugs:  
 E. H. Golaz, chemist, director, Austin.  
 O. C. Gehrhardt, assistant chemist.  
 W. W. Battle, assistant chemist.

Bureau of laboratories:  
 G. M. Graham, M. D., director.

Bureau of vital statistics:  
 Mrs. June Agee, deputy State registrar.

Appropriations for fiscal year ending Aug. 31, 1921:

General.....	\$72,200.00
Special for rural sanitation.....	31,400.00
Venereal disease control work.....	46,293.46
Bureau of vital statistics.....	7,850.00
Maintenance of lepers.....	24,018.35
Total.....	181,761.81

Publications issued by health department:  
 Biennial report.  
 Monthly health magazine.  
 Pamphlets, leaflets, and placards.

## UTAH.

Board of health:

Fred Stauffer, M. D., president, Salt Lake City.  
 T. B. Beatty, M. D., secretary, Salt Lake City.  
 H. K. Merrill, M. D., Logan.  
 Ezra Rich, M. D., Ogden.  
 Clarence Snow, M. D., Salt Lake City.  
 A. F. Doremus, C. E., Salt Lake City.  
 S. S. Burnham, D. D. S., Salt Lake City.

Executive health officer:  
 \*T. B. Beatty, M. D., State health commissioner, Salt Lake City.

Appropriations for biennial period ending Mar. 31, 1923:

Salaries.....	\$15,000
Contingent account.....	10,500
Vital-statistics account.....	3,000
Venereal disease control work.....	3,600
Total.....	32,100

Publications issued by health department:  
 Quarterly bulletin.  
 Biennial report.  
 Fiscal year ends Dec. 31.

## VERMONT.

Board of health:

F. Thomas Kidder, M. D., president, Woodstock.  
 William T. Slayton, M. D., Morrisville.  
 Charles F. Dalton, M. D., secretary, Burlington.

Executive health officer:  
 \*Charles F. Dalton, M. D., secretary State board of health, Burlington.

Laboratory of hygiene:  
 \*B. H. Stone, M. D., director, Burlington.

Sanitary engineer:  
 J. W. Votey, C. E., Burlington.

Sanitary inspector:  
 \*Henri L. Pache, M. D., Burlington.

**VERMONT—Continued.**

Division of venereal diseases:  
 \*Heari L. Pache, M. D., Burlington.  
 Division of tuberculosis:  
 \*H. W. Slocum, Burlington.  
 Division of poliomyelitis:  
 \*W. L. Aycock, M. D., research, Burlington.  
 \*Bertha E. Weisbrod, R. N., after-care, Burlington.  
 Division of public health nursing:  
 \*Elizabeth P. Van Patten, R. N., Burlington.  
 Appropriations for fiscal year ending June 30, 1922.  
 Total budget, \$80,000.  
 Other source of revenue:  
 Private donations for study and treatment of infantile paralysis.  
 Publications issued by health department:  
 Quarterly bulletin.  
 Biennial report.

**VIRGINIA.**

Board of health:  
 W. M. Smith, M. D., president, Alexandria.  
 W. T. Wilson, Richmond.  
 J. B. Fisher, M. D., secretary, Midlothian.  
 Mrs. Chas. Hall Davis, Petersburg.  
 Isaac Peirce, M. D., Tazewell.  
 W. F. Drewry, M. D., Petersburg.  
 H. T. Marshall, M. D., University of Virginia.  
 Guy B. Harrison, D. D. S., Richmond.  
 George B. Lawson, M. D., Roanoke.  
 S. A. Sutton, M. D., Norfolk.  
 G. L. Morris, M. D., Buckingham.  
 Executive health officer:  
 \*Ennio G. Williams, M. D., State health commissioner, Richmond.  
 Assistant health commissioner:  
 \*Roy K. Flanagan, M. D., Richmond.  
 Registrar of vital statistics:  
 \*W. A. Flecker, M. D., Richmond.  
 Bacteriologist:  
 \*A. H. Straus, Richmond.  
 Sanitary engineer:  
 \*Richard Messer, C. E., Richmond.  
 Appropriations for fiscal year ending Feb. 28, 1922:

Administration.....	\$20,294.00
Sanitary engineering.....	15,750.00
Publicity.....	6,000.00
Rural sanitation.....	20,000.00
Malaria.....	5,000.00
Inspection of hotels and convict camps.....	3,500.00
Laboratory.....	10,000.00
Child welfare and school inspection.....	28,500.00
Public health nursing.....	6,100.00
Venereal diseases.....	22,415.58
Control of epidemics.....	5,000.00
Vital statistics.....	18,510.00
Prevention of blindness.....	2,500.00
Total.....	163,569.58

Publications issued by health department:  
 Monthly bulletin.  
 Annual report.

**WASHINGTON.**

Board of health:  
 Paul A. Turner, M. D., director of health, chairman.  
 W. W. Brand, M. D.  
 James H. Egan, M. D.  
 R. E. Elvins, M. D.  
 Herbert C. Lieser, M. D.  
 C. E. Dorisy, secretary, Seattle.  
 Executive health officer:  
 \*Paul A. Turner, M. D., director of health, Seattle.  
 Epidemiologist:  
 \*A. U. Simpson, M. D., Seattle.  
 Chief of laboratory:  
 \*A. U. Simpson, M. D., Seattle.  
 Sanitary engineer:  
 \*C. E. Dorisy, Seattle.  
 Registrar:  
 \*C. E. Dorisy, Seattle.  
 Appropriations for biennial period ending Mar. 31, 1923:

Salary of director.....	\$10,000
Salaries and wages.....	48,000
Supplies, material, and service.....	28,230
Total.....	86,230

**WEST VIRGINIA.**

Public health council:  
 J. L. Pyle, M. D., president, Chester.  
 W. T. Henshaw, M. D., commissioner of health, Charleston.  
 H. G. Camper, M. D., Welch.  
 B. F. Shuttleworth, M. D., Clarksburg.  
 W. M. Babb, M. D., Keyser.  
 V. T. Churchman, M. D., Charleston.  
 Thos. L. Harris, Parkersburg.  
 Executive health officer:  
 \*W. T. Henshaw, M. D., commissioner of health, Charleston.  
 Division of preventable diseases:  
 \*Vacant; commissioner acting.  
 Division of sanitary engineering:  
 \*Ellis S. Tisdale, director, Charleston.  
 \*R. C. Beckett, Charleston.  
 \*Chas. H. Young, Charleston.  
 Division of vital statistics:  
 \*Carl F. Raver, M. D., M. P. H., Charleston.  
 Division of child welfare and public-health nursing:  
 \*Jean T. Dillon, R. N., director, Charleston.  
 \*Edna M. Hardsaw, R. N., field supervisor.  
 \*Gertrude H. Wuesthoff, R. N., assistant field supervisor.  
 Hygienic laboratory:  
 \*Chas. E. Gabel, Ph. D., Charleston.  
 \*Luch F. Gabel, chemist, Charleston.  
 \*Winifred Lamberson, assistant bacteriologist, Charleston.  
 Bureau of venereal diseases:  
 \*F. F. Farnsworth, M. D., director, Charleston.  
 Bureau of rural sanitation:  
 \_\_\_\_\_, director, Charleston.

**WEST VIRGINIA—Continued.**

**Appropriations for fiscal year ending June 30, 1922:**

For general use.....	\$60,000
Salary of commissioner.....	4,900
Bureau of venereal diseases.....	10,000
<b>Total.....</b>	<b>74,800</b>

**Other sources of revenue:**

- Fees for granting certificates to practice medicine.
- Fees from laboratory work for private individuals.

**Publications issued by health department:**

- Quarterly bulletin.
- Annual report.

**WISCONSIN.**

- Board of health:**
- Wm. F. Whyte, M. D., president, Madison.
  - I. D. Steffen, M. D., Antigo.
  - E. S. Hayes, M. D., Eau Claire.
  - G. Windesheim, M. D., Kenosha.
  - C. A. Richards, M. D., Rhinelander.
  - Otho Fiedler, M. D., Sheboygan.
  - C. A. Harper, M. D., State health officer, Madison.
  - L. W. Hutchcroft, assistant State health officer, Madison.
- Executive health officer:**
- \*C. A. Harper, M. D., State health officer, Madison.
- Bureau of vital statistics:**
- \*C. A. Harper, M. D., State registrar, Madison.
- Bureau of communicable diseases:**
- \*Robert Olesen, M. D., acting director, Madison.
- Bureau of sanitary engineering:**
- \*C. M. Baker, State sanitary engineer, Madison.
  - \*E. J. Tully, chemical engineer, Madison.
- Bureau of education:**
- \*L. W. Bridgman, acting director, Madison.
- Bureau of child welfare and public health nursing:**
- \*Mrs. Mary P. Morgan, director, Madison.
- Bureau of nursing education:**
- ....., director, Madison.
- Bureau of plumbing and domestic sanitary engineering:**
- \*Frank R. King, State domestic sanitary engineer, Madison.
- Bureau of social hygiene:**
- \*I. F. Thompson, M. D., director, Madison.
- Laboratory service:**
- \*W. D. Stovall, M. D., director State laboratories, Madison.
  - \*M. S. Nichols, chemist State laboratory, Madison.
  - \*Katherine Wattawa, director branch laboratory, Rhinelander.

**WISCONSIN—Continued.**

**Laboratory service—Continued.**

- \*Gladys Hadley, director cooperative laboratory, Superior.
- \*Lucille Works, director cooperative laboratory, Oshkosh.
- \*Henry Miller, director cooperative laboratory, Kenosha.
- \*C. D. Partridge, M. D., director cooperative laboratory, Wausau.
- \*Lydia Lacey, director, cooperative laboratory, Green Bay.
- \*Walter Ashby, director, cooperative laboratory, Beloit.

**Appropriations for fiscal year ending June 30, 1922:**

General administration.....	\$51,000
Emergency appropriation for epidemics.....	7,500
Branch laboratory and State cooperative laboratories.....	7,950
Prevention of infantile blindness.....	1,500
Venereal disease control work.....	41,250
Bureau of sanitary engineering.....	10,000
Bureau of communicable diseases.....	13,300
Bureau of child welfare and public health nursing.....	31,100
Comfort station supervision.....	5,000
Licensing of embalmers, hotels and restaurants, plumbers, and barbers..	38,000
<b>Total.....</b>	<b>206,600</b>

**Publications issued by health department:**

- Quarterly bulletin.
- Biennial report.

**WYOMING.**

- Board of health:**
- Fred A. Hodson, M. D., president, Sheridan.
  - G. A. Fox, M. D., vice president, Cheyenne.
  - Albert B. Tonkin, M. D., secretary and executive officer, Cheyenne.
  - Edw. S. Lauzer, M. D., Rock Springs.
  - J. D. Lewellen, M. D., Powell.
  - J. F. O'Donnell, M. D., Casper.
- Executive health officer:**
- \*Albert B. Tonkin, M. D., State health officer, Cheyenne.
- Venereal disease control:**
- J. F. O'Donnell, M. D., Casper.
- Appropriations for biennial period ending Mar. 31, 1923:**
- |   |               |
|---|---------------|
| State board of health.....              | \$19,000      |
| Salary of secretary.....                | 8,000         |
| Salary of venereal disease officer..... | 6,000         |
| <b>Total.....</b>                       | <b>33,000</b> |
- Publications issued by health department:**
- Biennial report.
  - Bimonthly bulletin.

**DEATHS DURING WEEK ENDED OCT. 29, 1921.**

*Summary of information received by telegraph from industrial insurance companies for week ended Oct. 29, 1921, and corresponding week, 1920. (From the Weekly Health Index, Nov. 1, 1921, issued by the Bureau of the Census, Department of Commerce.)*

	Week ended Oct. 29, 1921.	Corresponding week, 1920.
Policies in force.....	48,053,197	44,375,549
Number of death claims.....	8,114	7,445
Death claims per 1,000 policies in force.....	8.8	8.7

Deaths from all causes in certain large cities of the United States during the week ended Oct. 29, 1921, infant mortality, annual death rate, and comparison with corresponding week of preceding years. (From the Weekly Health Index, Nov. 1, 1921, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1921.	Week ended Oct. 29, 1921.		Average annual death rate per 1,000. <sup>1</sup>	Deaths under 1 year.		Infant mortality rate, week ended Oct. 29, 1921. <sup>2</sup>
		Total deaths.	Death rate. <sup>3</sup>		Week ended Oct. 29, 1921.	Previous year or years. <sup>4</sup>	
Akron, Ohio.....	229,195	30	6.8	48.8	6		24
Albany, N. Y.....	115,071	34	15.4	C 11.4	3	C	3
Atlanta, Ga.....	207,473	55	13.8	C 12.3	6	C	8
Baltimore, Md.....	752,863	188	13.0	A 14.8	36	A	28
Birmingham, Ala.....	186,133	51	14.3	A 16.8	4	A	5
Boston, Mass.....	757,634	191	13.1	A 14.3	22	A	31
Bridgeport, Conn.....	149,967	33	11.5	A 14.7	6	A	7
Buffalo, N. Y.....	519,608	120	12.0	C 16.9	26	C	19
Cambridge, Mass.....	110,444	20	9.4	A 13.1	3	A	4
Camden, N. J.....	119,672	24	10.5		3		45
Chicago, Ill.....	2,780,655	596	11.2	A 12.1	97	A	105
Cincinnati, Ohio.....	403,418	105	12.6	C 11.4	9	C	11
Cleveland, Ohio.....	831,138	176	11.0	C 16.0	28	C	32
Columbus, Ohio.....	245,358	71	15.1	C 11.7	8	C	6
Dallas, Tex.....	165,282	40	12.6	A 12.6	3	A	2
Dayton, Ohio.....	158,119	31	10.2	C 12.8	6	C	2
Denver, Colo.....	263,452	73	14.5	A 13.0	16		
Detroit, Mich.....	1,070,450	167	8.1	C 8.8	26	C	39
Fall River, Mass.....	120,668	25	10.8	C 17.3	2	C	14
Grand Rapids, Mich.....	141,197	28	10.3	C 13.1	5	C	11
Houston, Tex.....	144,340	38	13.7		9		
Indianapolis, Ind.....	325,215	71	11.4	C 12.5	4	C	13
Jersey City, N. J.....	302,788	62	10.7	C 11.8	10	C	14
Kansas City, Kans.....	103,884	35	17.6	C 9.7	3	C	2
Kansas City, Mo.....	336,157	82	12.7	C 13.3	15	C	22
Los Angeles, Calif.....	611,921	139	11.8	A 12.5	13	A	11
Louisville, Ky.....	236,083	68	15.0	C 13.7	5	C	10
Lowell, Mass.....	113,757	32	14.7	A 13.8	11	A	9
Memphis, Tenn.....	165,389	55	17.3	C 9.9	6	C	6
Milwaukee, Wis.....	466,396	82	9.1	A 10.3	15	A	17
Minneapolis, Minn.....	362,815	86	11.4	C 8.0	15	C	7
Nashville, Tenn.....	122,036	53	22.6	C 17.1	2	C	5
New Bedford, Mass.....	125,012	22	9.2	A 12.8	4	A	6
New Haven, Conn.....	167,007	25	7.8	C 12.7	4	C	7
New Orleans, La.....	294,657	147	19.4	A 18.9	12	A	16
New York, N. Y.....	5,751,867	1,177	10.7	C 10.0	161	C	185
Newark, N. J.....	424,885	70	8.6	C 11.9	14	C	21
Norfolk, Va.....	121,260	30	12.9		5		
Oakland, Calif.....	226,472	40	9.2	A 10.7		A	5
Omaha, Nebr.....	197,666	49	13.0		5		58
Paterson, N. J.....	137,463	32	12.1		2		34
Philadelphia, Pa.....	1,866,212	425	11.9	13.2	67	C	69
Pittsburgh, Pa.....	602,452	164	14.2	C 12.8	29	C	21
Portland, Oreg.....	284,859	43	8.5	C 10.8	2	C	6
Providence, R. I.....	226,645	53	11.5	C 9.6	8	C	9
Richmond, Va.....	175,686	39	11.6	C 12.4	6	C	3
Rochester, N. Y.....	305,229	61	16.4	C 8.0	12	C	11
St. Louis, Mo.....	786,164	174	11.5	C 12.5	18	C	24
St. Paul, Minn.....	237,781	42	9.2	C 6.2	3	C	1
Salt Lake City, Utah.....	121,595	28	12.0	A 9.4	5		30
San Francisco, Calif.....	520,546	112	11.2	C 11.9	5	C	12
Spokane, Wash.....	104,442	29	14.5	C 13.5	2	C	5
Springfield, Mass.....	135,877	27	10.4	C 11.5	7	C	5
Syracuse, N. Y.....	177,265	32	9.4	C 13.2	5	C	3
Toledo, Ohio.....	253,696	63	12.9	A 13.0	8	A	9
Trenton, N. J.....	122,760	28	11.9	A 17.2	7	A	9
Washington, D. C.....	454,026	128	14.7	A 13.6	16	A	12
Wilmington, Del.....	113,408	15	6.9	C 15.5	5	C	8
Worcester, Mass.....	184,972	42	11.8	C 11.2	3	C	7
Yonkers, N. Y.....	103,324	18	9.1	A 12.1	3	A	5

<sup>1</sup> Annual rate per 1,000 population.

<sup>2</sup> "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1920.

<sup>3</sup> Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1920. Cities left blank are not in the registration area for births.

<sup>4</sup> Data based on statistics of 1915, 1916, and 1917.



FLORIDA.	Cases.
Cerebrospinal meningitis.....	1
Diphtheria.....	36
Influenza.....	19
Malaria.....	16
Ophthalmia neonatorum.....	1
Scarlet fever.....	6
Typhoid fever.....	2
GEORGIA.	Cases.
Cerebrospinal meningitis.....	1
Chicken pox.....	3
Dengue.....	3
Diphtheria.....	90
Dysentery (amebic).....	1
Dysentery (bacillary).....	1
German measles.....	3
Hookworm disease.....	17
Malaria.....	13
Measles.....	4
Mumps.....	1
Pneumonia.....	3
Scarlet fever.....	29
Septic sore throat.....	6
Smallpox.....	9
Tetanus.....	1
Tuberculosis (all forms).....	4
Typhoid fever.....	22
ILLINOIS.	Cases.
Cerebrospinal meningitis:	
Berwyn.....	1
Peoria.....	1
Rockford.....	1
Diphtheria:	
Aurora.....	12
Blue Island.....	11
Chicago.....	293
Cicero.....	12
Decatur.....	20
East St. Louis.....	18
Havana.....	8
Joliet.....	11
Mattoon.....	16
North Chicago.....	9
Peoria.....	22
Robinson.....	8
Rockford.....	22
Scattering.....	244
Influenza.....	22
Lethargic encephalitis:	
Aurora.....	1
Chicago.....	1
Stephenson County—Rock Grove Town-	
ship.....	1
Pneumonia.....	166
Poliomyelitis:	
Alton.....	1
Chicago.....	4
Cook County—New Trier Township.....	1
Jasper County—South Muddy Township..	1
La Salle County—	
Eagle Township.....	1
Rutland Township.....	1
Princeton.....	1
Saunemin.....	1
Towanda.....	1

ILLINOIS—continued.	Cases.
Scarlet fever:	
Chicago.....	112
Decatur.....	8
Peoria.....	9
Rockford.....	9
Scattering.....	146
Smallpox.....	15
Typhoid fever:	
Chicago.....	11
Scattering.....	39
Whooping cough.....	54
INDIANA.	Cases.
Cerebrospinal meningitis:	
Henry County.....	1
Marion County.....	1
Diphtheria.....	426
Rabies in animals:	
Lake County.....	1
Sullivan County.....	1
Scarlet fever.....	193
Smallpox.....	23
Typhoid fever.....	38
IOWA.	Cases.
Cerebrospinal meningitis:	
Dyersville.....	2
Steamboat Rock.....	1
Diphtheria.....	86
Poliomyelitis.....	4
Scarlet fever.....	149
Smallpox.....	11
KANSAS.	Cases.
Cerebrospinal meningitis.....	3
Chicken pox.....	51
Diphtheria.....	480
German measles.....	1
Influenza.....	2
Measles.....	2
Pneumonia.....	6
Poliomyelitis.....	2
Scarlet fever.....	194
Smallpox.....	19
Tuberculosis.....	44
Typhoid fever.....	25
Whooping cough.....	17
LOUISIANA.	Cases.
Cerebrospinal meningitis.....	1
Diphtheria.....	30
Influenza.....	13
Pellagra.....	7
Scarlet fever.....	14
Smallpox.....	3
Typhoid fever.....	20
MAINE.	Cases.
Chicken pox.....	6
Diphtheria.....	38
German measles.....	1
Measles.....	1
Mumps.....	11
Pneumonia.....	1
Poliomyelitis.....	1
Scarlet fever.....	44



MAINE—continued.		MISSOURI.	
	Cases.		Cases.
Smallpox.....	1	Cerebrospinal meningitis.....	2
Tuberculosis.....	15	Chicken pox.....	39
Typhoid fever.....	7	Diphtheria.....	230
Whooping cough.....	33	Epidemic sore throat.....	13
MARYLAND. <sup>1</sup>		Influenza.....	19
Chicken pox.....	8	Measles.....	5
Diphtheria.....	2	Mumps.....	5
Dysentery.....	92	Poliomyelitis.....	4
Influenza.....	3	Scarlet fever.....	117
Malaria.....	21	Smallpox.....	60
Measles.....	5	Tetanus.....	3
Mumps.....	24	Trachoma.....	2
Ophthalmia neonatorum.....	5	Tuberculosis.....	35
Paratyphoid fever.....	2	Typhoid fever.....	18
Pneumonia (all forms).....	1	Whooping cough.....	12
Poliomyelitis.....	47	MONTANA.	
Scarlet fever.....	7	Cerebrospinal meningitis—Columbia Falls.....	1
Tuberculosis.....	55	Diphtheria.....	12
Typhoid fever.....	46	Poliomyelitis:	
Vincent's angina.....	33	Dooley.....	1
Whooping cough.....	1	Helena.....	1
MASSACHUSETTS.		Scarlet fever.....	7
Cerebrospinal meningitis.....	21	Smallpox.....	18
Chicken pox.....	6	Typhoid fever.....	2
Conjunctivitis (suppurative).....	123	NEBRASKA.	
Diphtheria.....	15	Anthrax—Omaha.....	1
German measles.....	248	Cerebrospinal meningitis:	
Measles.....	6	Johnson County.....	1
Mumps.....	107	Wayne County.....	1
Ophthalmia neonatorum.....	38	Chicken pox.....	29
Pellagra.....	16	Diphtheria:	
Pneumonia (lobar).....	1	Omaha.....	47
Poliomyelitis.....	66	Scattering.....	22
Scarlet fever.....	6	German measles.....	2
Septic sore throat.....	152	Measles.....	7
Smallpox.....	1	Mumps.....	5
Tetanus.....	1	Scarlet fever.....	30
Trachoma.....	3	Smallpox.....	5
Tuberculosis (all forms).....	3	Tuberculosis.....	10
Typhoid fever.....	167	Typhoid fever.....	2
MINNESOTA.		Whooping cough.....	1
Cerebrospinal meningitis.....	1	NEW JERSEY.	
Chicken pox.....	15	Chicken pox.....	80
Diphtheria:		Diphtheria.....	186
Minneapolis.....	64	Dysentery.....	1
Scattering.....	80	Influenza.....	7
Measles.....	4	Malaria.....	1
Pneumonia.....	2	Measles.....	40
Poliomyelitis.....	1	Pneumonia.....	107
Scarlet fever.....	163	Poliomyelitis.....	4
Smallpox.....	21	Scarlet fever.....	134
Trachoma.....	2	Smallpox.....	6
Tuberculosis.....	61	Trachoma.....	2
Typhoid fever.....	13	Typhoid fever.....	20
Whooping cough.....	6	Whooping cough.....	58
MISSISSIPPI.		NEW MEXICO.	
Diphtheria.....	72	Chicken pox.....	3
Scarlet fever.....	31	Diphtheria:	
Smallpox.....	5	Belen.....	8
Typhoid fever.....	14	Scattering.....	27

<sup>1</sup> Week ended Friday.

NEW MEXICO—continued.

	Cases.
Measles.....	2
Mumps.....	6
Paratyphoid fever.....	1
Pneumonia.....	6
Scarlet fever.....	14
Septic sore throat.....	1
Tuberculosis.....	29
Typhoid fever.....	10

NEW YORK.  
(Exclusive of New York City.)

Cerebrospinal meningitis.....	6
Diphtheria.....	390
Influenza.....	10
Lethargic encephalitis.....	3
Measles.....	33
Pneumonia.....	169
Poliomyelitis.....	23
Scarlet fever.....	230
Typhoid fever.....	97
Whooping cough.....	98

NORTH CAROLINA.

Cerebrospinal meningitis.....	2
Chicken pox.....	41
Diphtheria.....	239
Measles.....	7
Scarlet fever.....	149
Septic sore throat.....	11
Smallpox.....	12
Typhoid fever.....	27
Whooping cough.....	61

OREGON.

Chicken pox.....	7
Diphtheria:	
Portland.....	42
Scattering.....	14
Impetigo contagiosa.....	4
Influenza.....	1
Malaria.....	1
Measles.....	2
Pneumonia.....	2
Poliomyelitis:	
Eugene.....	2
Portland.....	1
Salem.....	1
Puerperal septicemia.....	1
Scabies.....	1
Scarlet fever:	
Portland.....	13
Scattering.....	5
Smallpox.....	23
Trachoma.....	1
Tuberculosis.....	6
Typhoid fever.....	4

SOUTH DAKOTA.

Cerebrospinal meningitis.....	2
Chicken pox.....	5
Diphtheria.....	13
Ophthalmia neonatorum.....	3
Pneumonia.....	1
Poliomyelitis.....	2
Scarlet fever.....	56
Smallpox.....	12
Typhoid fever.....	3

TEXAS.

	Cases.
Chicken pox.....	15
Diphtheria.....	205
Influenza.....	14
Pellagra.....	15
Scarlet fever.....	64
Typhoid fever.....	13

VERMONT.

Chicken pox.....	66
Diphtheria.....	14
Measles.....	5
Mumps.....	21
Pneumonia.....	2
Poliomyelitis.....	4
Scarlet fever.....	27
Typhoid fever.....	3
Whooping cough.....	9

WASHINGTON.

Chicken pox.....	78
Diphtheria:	
Chehalis.....	28
Scattering.....	42
Measles.....	4
Mumps.....	10
Poliomyelitis:	
Aberdeen.....	1
Chehalis.....	1
Davenport.....	1
Fife.....	1
Kelso.....	1
King County.....	2
Lincoln County.....	1
Pierce County.....	1
Seattle.....	2
Spokane.....	2
Spokane County.....	1
Sumner.....	3
Tacoma.....	1
Scarlet fever:	
Spokane.....	11
Scattering.....	15
Smallpox:	
Spokane.....	18
Tacoma.....	12
Scattering.....	41
Tuberculosis.....	14
Typhoid fever.....	11
Whooping cough.....	38

WEST VIRGINIA.

Diphtheria:	
Charleston.....	15
Clarksburg.....	13
Elkins.....	20
Fairmont.....	9
Huntington.....	14
Parkersburg.....	9
Scattering.....	26
Scarlet fever.....	27
Smallpox.....	5
Typhoid fever.....	7

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis.....	1
Chicken pox.....	57
Diphtheria.....	44

WISCONSIN—continued.

	Cases.
Milwaukee—Continued.	
German measles.....	1
Measles.....	3
Pneumonia.....	8
Scarlet fever.....	31
Smallpox.....	6
Tuberculosis.....	13
Typhoid fever.....	2
Whooping cough.....	14
Scattering:	
Cerebrospinal meningitis.....	1
Chicken pox.....	50

WISCONSIN—continued.

	Cases.
Scattering—Continued.	
Diphtheria.....	103
Influenza.....	3
Measles.....	10
Pneumonia.....	1
Poliomyelitis.....	4
Scarlet fever.....	167
Smallpox.....	35
Tuberculosis.....	18
Typhoid fever.....	7
Whooping cough.....	38

Delayed Reports for Week Ended Oct. 29, 1921.

DISTRICT OF COLUMBIA.

	Cases.
Chicken pox.....	4
Diphtheria.....	25
Influenza.....	2
Lethargic encephalitis.....	1
Measles.....	8
Scarlet fever.....	19
Smallpox.....	1
Tuberculosis.....	19
Typhoid fever.....	3
Whooping cough.....	3

KENTUCKY.

Chicken pox.....	2
Diphtheria:	
Christian County.....	13
Davies County.....	48
Henderson County.....	9
Jefferson County.....	74
Logan County.....	8
Scattering.....	55
German measles.....	2
Influenza.....	13
Measles:	
Grant County.....	2
Jefferson County.....	9
Pneumonia.....	17
Poliomyelitis—Ohio County.....	1
Scarlet fever:	
Jefferson County.....	13
Owen County.....	8
Scattering.....	28

KENTUCKY—continued.

	Cases.
Smallpox:	
Fulton County.....	11
Scattering.....	4
Tonsillitis.....	3
Trachoma.....	22
Tuberculosis:	
Jefferson County.....	10
Scattering.....	3
Typhoid fever.....	24
Whooping cough.....	1

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis.....	4
Diphtheria.....	313
Influenza.....	14
Lethargic encephalitis.....	4
Measles.....	29
Pneumonia.....	162
Poliomyelitis:	
Deposit.....	1
Hempstead.....	1
Parishville.....	1
Rochester.....	1
Webster.....	1
Wilna.....	1
Scarlet fever.....	241
Smallpox.....	2
Typhoid fever.....	106
Whooping cough.....	38

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Fellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1921.										
Arizona (September).....		5			1					9
California (September).....	11	527	38	47	49	2	65	236	246	115
Colorado (September).....		263			9			58	29	93
Iowa (August).....	11	66					48	80	18	
Montana (September).....		27	4		5		12	25	64	25
Ohio (September).....	5	2,196	29	3	53		69	758	39	761
Virginia (September).....	14	734	243	581	102	22	16	230	15	320

## TYPHUS FEVER.

New York, N. Y.

Two cases of typhus fever have been reported in New York City as follows: One case on October 27 and one on November 2.

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921.

## CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Missouri:			
San Francisco.....	0	1		Kansas City.....	0	1	
District of Columbia:				New Jersey:			
Washington.....	0	1	1	Jersey City.....	0	1	
Illinois:				New York:			
Chicago.....	2	1	1	Cohoes.....	0		1
Maryland:				New York.....	2	6	2
Baltimore.....	0	2		Ohio:			
Massachusetts:				Cleveland.....	0	1	
Woburn.....	0	1	1	Oklahoma:			
Michigan:				Tulsa.....		1	
Ann Arbor.....	0		1	West Virginia:			
Muskegon.....		1		Huntington.....	0		1
Minnesota:							
Duluth.....	0	1					

## DIPHTHERIA.

See p. 2802; also Telegraphic weekly reports from States, p. 2791, and Monthly summaries by States, p. 2795.

## INFLUENZA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Massachusetts—Continued.		
Birmingham.....		1	Lawrence.....	2	
California:			Michigan:		
Los Angeles.....	1		Detroit.....	2	
San Francisco.....	1		Grand Rapids.....	2	
Stockton.....	1		Missouri:		
Connecticut:			Kansas City.....		1
Bridgeport.....	1	1	New Jersey:		
Hartford.....	1		New Brunswick.....	1	
District of Columbia:			New York:		
Washington.....	1		New York.....	29	4
Florida:			Rochester.....	1	1
Tampa.....	5		Saratoga Springs.....	3	
Georgia:			Troy.....		1
Albany.....	1		Ohio:		
Atlanta.....	5		Cleveland.....	1	
Illinois:			Cleveland Heights.....	1	
Chicago.....	12	1	Portsmouth.....	1	
Chicago Heights.....		1	Pennsylvania:		
Danville.....	1		Philadelphia.....	2	2
Indiana:			Rhode Island:		
Kokomo.....		1	Providence.....	1	
Louisiana:			South Dakota:		
New Orleans.....	2	2	Sioux Falls.....	2	
Maryland:			Texas:		
Baltimore.....	4	1	Dallas.....		1
Massachusetts:			Fort Worth.....	1	
Boston.....	2		Wisconsin:		
Everett.....	1		Kenosha.....	1	
Haverhill.....	2				

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## LETHARGIC ENCEPHALITIS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			Kansas:		
Sacramento.....	1	.....	Topeka.....	1	.....
Connecticut:					
Danbury.....	1	.....			

## MALARIA.

Alabama:			Illinois:		
Birmingham.....	1	1	Chicago.....	1	.....
Arkansas:			Louisiana:		
Fort Smith.....	2	1	New Orleans.....	3	.....
Little Rock.....	1	.....	Maryland:		
North Little Rock.....	2	.....	Baltimore.....	2	.....
California:			Massachusetts:		
Los Angeles.....	1	.....	Northampton.....	1	1
Sacramento.....	1	.....	Michigan:		
San Bernardino.....	1	.....	Detroit.....	3	.....
Florida:			Missouri:		
Tampa.....	3	.....	Kansas City.....	1	.....
Georgia:			New York:		
Atlanta.....	1	.....	New York.....	1	.....
Brunswick.....	4	.....	Tennessee:		
Some.....	1	.....	Memphis.....	10	5
Savannah.....	2	.....			

## MEASLES.

See p. 2802; also Telegraphic weekly reports from States, p. 2791, and Monthly summaries by States, p. 2795.

## PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Tennessee:		
Birmingham.....	1	2	Nashville.....		1
Georgia:			Texas:		
Atlanta.....	1	1	Dallas.....		1
Savannah.....		2	Waco.....		1
Louisiana:			Virginia:		
Baton Rouge.....	1	.....	Portsmouth.....		1
North Carolina:			Roanoke.....		1
Raleigh.....		1			
Winston-Salem.....	2	.....			

## PNEUMONIA (ALL FORMS).

Alabama:			Delaware:		
Birmingham.....		5	Wilmington.....		3
Mobile.....		1	District of Columbia:		
Arizona:			Washington.....		8
Tucson.....		1	Florida:		
Arkansas:			Tampa.....		1
Fort Smith.....	1	.....	Georgia:		
Little Rock.....	1	.....	Albany.....	1	.....
California:			Atlanta.....		4
Los Angeles.....	18	7	Macon.....		3
Oakland.....	6	5	Savannah.....		3
Pasadena.....		3	Illinois:		
Sacramento.....		2	Alton.....	1	.....
San Bernardino.....		1	Aurora.....		1
San Francisco.....	6	4	Blue Island.....		1
San Jose.....		1	Chicago.....	121	24
Colorado:			Cicero.....	1	.....
Denver.....		3	Danville.....	2	.....
Pueblo.....		1	East St. Louis.....		1
Connecticut:			Elgin.....	3	1
Bridgeport.....		4	Freeport.....		1
Hartford.....		3	Galesburg.....		1
Meriden.....	2	1	Kewanee.....	2	.....
New Haven.....		2	Mattoon.....	2	.....
New London.....	1	.....	Oak Park.....	2	.....
Norwalk.....		1	Peoria.....		1
			Springfield.....	1	.....

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
<b>Indiana:</b>			<b>New Jersey:</b>		
East Chicago.....		1	Atlantic City.....		1
Elkhart.....	1	1	Clifton.....	2	1
Frankfort.....		1	Elizabeth.....		3
Gary.....	2	1	Englewood.....	1	1
Hammond.....		11	Hackensack.....		1
Indianapolis.....		1	Hoboken.....	2	1
Muncie.....		2	Jersey City.....		2
Terre Haute.....			Kearny.....		2
<b>Kansas:</b>			Morristown.....		1
Hutchinson.....	1		New Brunswick.....		3
Kansas City.....	1		Newark.....		1
Topeka.....	3		Orange.....	1	
Wichita.....		3	Passaic.....	2	
<b>Kentucky:</b>			Paterson.....	1	
Covington.....		4	Phillipsburg.....		1
Louisville.....		7	Plainfield.....	1	
<b>Louisiana:</b>			Trenton.....	3	1
New Orleans.....		11	West Orange.....	2	
<b>Maine:</b>			<b>New York:</b>		
Bangor.....	2		Albany.....	7	
Portland.....		1	Auburn.....		1
<b>Maryland:</b>			Binghamton.....	2	
Baltimore.....	23	13	Buffalo.....	11	8
Cumberland.....		1	Cartland.....	3	
<b>Massachusetts:</b>			Elmira.....	3	
Belmont.....		1	Ithaca.....	1	
Boston.....	13	9	Jamestown.....	2	1
Brockton.....		2	Middletown.....	1	
Brookline.....		1	Mount Vernon.....	2	1
Cambridge.....		2	New York.....	200	83
Chelsea.....		2	Niagara Falls.....	2	1
Chicopee.....		1	Olean.....	1	
Fall River.....	3		Port Chester.....	1	
Frammingham.....		2	Rochester.....		4
Haverhill.....	1		Saratoga Springs.....		1
Holyoke.....		1	Schenectady.....	1	
Lawrence.....	2		Syracuse.....	3	1
Leominster.....		1	Troy.....		2
Lowell.....		2	Yonkers.....	2	1
Lynn.....	2		<b>North Carolina:</b>		
Malden.....		2	Charlotte.....		2
New Bedford.....		1	Wilmington.....	5	
Newton.....	3	1	Winston-Salem.....		2
Pittsfield.....	2	1	<b>Ohio:</b>		
Somerville.....		1	Akron.....	4	
Springfield.....	1		Canton.....		2
Taunton.....		2	Cincinnati.....		7
Watertown.....		1	Cleveland.....	19	
Webster.....	1		Columbus.....		5
Worcester.....		6	Cuyahoga Falls.....		1
<b>Michigan:</b>			Dayton.....	1	
Ann Arbor.....		1	Hamilton.....		1
Detroit.....	46	12	Kenmore.....	1	
Flint.....	1		Portsmouth.....		1
Grand Rapids.....	4	2	Salem.....		1
Hamtramck.....	2		Sandusky.....	1	
Ishpeming.....		1	Springfield.....		2
Jackson.....	3	1	Toledo.....		3
Kalamazoo.....	2	1	Zanesville.....		1
Muskegon.....		1	<b>Oklahoma:</b>		
Port Huron.....	4		Oklahoma City.....		1
<b>Minnesota:</b>			<b>Oregon:</b>		
Hibbing.....		1	Portland.....		4
Minneapolis.....		8	<b>Pennsylvania:</b>		
St. Paul.....		6	Philadelphia.....	42	28
<b>Missouri:</b>			<b>Rhode Island:</b>		
Kansas City.....	5	4	Pawtucket.....		2
<b>Montana:</b>			Providence.....		3
Anaconda.....		1	<b>South Carolina:</b>		
Great Falls.....		2	Charleston.....		2
Missoula.....		1	<b>Tennessee:</b>		
<b>Nebraska:</b>			Memphis.....		6
Lincoln.....		2	Nashville.....		1
Omaha.....		3	<b>Texas:</b>		
<b>New Hampshire:</b>			El Paso.....		3
Concord.....		1	Waco.....		1

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Utah:			West Virginia:		
Salt Lake City.....		6	Charleston.....		2
Vermont:			Huntington.....		1
Burlington.....		3	Wheeling.....		1
Virginia:			Wisconsin:		
Alexandria.....	1		Oshkosh.....		1
Danville.....		1	Racine.....		2
Norfolk.....		2			
Richmond.....		3			

## POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Missouri:			
Los Angeles.....	0	2	1	Kansas City.....	0	2	1
Sacramento.....	0	1	1	Springfield.....		1	
San Bernardino.....		1		St. Louis.....	0	1	
San Francisco.....	0	2	1	New Jersey:			
Stockton.....	0	6		Belleville.....		1	
Connecticut:				Elizabeth.....	0		1
New Haven.....	0	4	1	Jersey City.....	0	1	
Illinois:				New York:			
Chicago.....	3	8		Middletown.....	0	1	1
Cicero.....		1		New York.....	3	42	5
Danville.....	0	1	1	Ohio:			
Indiana:				Cleveland.....	1	1	
Mishawaka.....	0	1		Pennsylvania:			
Louisiana:				Chester.....		2	
Baton Rouge.....		1		Philadelphia.....	0	8	1
Maryland:				Pittsburgh.....	1	1	
Baltimore.....	0	6		Wilksburg.....	0	2	
Massachusetts:				Rhode Island:			
Adams.....		1		Cumberland.....		1	
Cambridge.....	0	1		Texas:			
Chelsea.....	0	1		El Paso.....	0	1	
Chicopee.....	0	1		Utah:			
Haverhill.....	0	1		Salt Lake City.....	0	1	
Newburyport.....	0	1	1	Virginia:			
Pittsfield.....	0	1	1	Norfolk.....	0	2	
Michigan:				Washington:			
Detroit.....	1	3	1	Seattle.....	0	7	
Jackson.....	0	2		Tacoma.....	0	1	
Minnesota:				Wisconsin:			
Rochester.....		1		Madison.....	0	1	
St. Paul.....	0	1					

## RABIES IN ANIMALS.

City.	Cases.
Massachusetts:	
Lawrence.....	1
Missouri:	
Kansas City.....	3

## SCARLET FEVER.

See p. 2802; also Telegraphic weekly reports from States, p. 2791, and Monthly summaries by States, p. 2795.

**CITY REPORTS FOR WEEK ENDED OCT: 22, 1921—Continued.**

**SMALLPOX.**

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Nebraska:			
Mobile.....	0	1	.....	Lincoln.....	1	1	.....
California:				Ohio:			
Long Beach.....	0	1	.....	Dayton.....	0	5	.....
Los Angeles.....	0	17	.....	Fremont.....	0	2	.....
Oakland.....	0	7	.....	Springfield.....	0	2	.....
Riverside.....	0	1	.....	South Carolina:			
San Francisco.....	0	2	.....	Columbia.....	0	1	.....
San Jose.....	0	5	.....	Tennessee:			
Santa Cruz.....	0	1	.....	Nashville.....	0	1	.....
Colorado:				Texas:			
Denver.....	6	5	.....	Waco.....	0	1	.....
Indiana:				Utah:			
South Bend.....	0	1	.....	Salt Lake City.....	2	3	.....
Iowa:				Washington:			
Mason City.....	0	2	.....	Aberdeen.....	0	4	.....
Kansas:				Bellingham.....	0	1	.....
Kansas City.....	0	2	.....	Seattle.....	1	2	.....
Topeka.....	0	1	.....	Spokane.....	5	7	.....
Minnesota:				Tacoma.....	0	20	.....
Minneapolis.....	4	1	.....	Vancouver.....	0	2	.....
St. Paul.....	3	2	.....	West Virginia:			
Virginia.....	.....	1	.....	Bluefield.....	0	1	.....
Missouri:				Parkersburg.....	0	2	.....
Kansas City.....	5	16	5	Wisconsin:			
Montana:				Milwaukee.....	2	4	.....
Great Falls.....	0	29	.....	Oshkosh.....	1	1	.....
				Racine.....	0	1	.....

**TETANUS.**

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Ohio:		
Mobile.....		1	Fiqua.....	1	1
Indiana:			Pennsylvania:		
Indianapolis.....		1	Philadelphia.....	1	.....
Massachusetts:			Rhode Island:		
Chelsea.....	1	.....	Newport.....		1
Haverhill.....	1	1	South Carolina:		
New Bedford.....	1	.....	Charleston.....		1
Missouri:			Tennessee:		
St. Louis.....	1	.....	Memphis.....		1
New York:					
Schenectady.....	1	.....			

**TUBERCULOSIS.**

See p. 2802; also Telegraphic weekly reports from States, p. 2791.



## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
<b>Alabama:</b>				<b>Minnesota:</b>			
Birmingham.....	1	2		Rochester.....		1	
Gadsden.....		1		St. Paul.....	0	2	1
Mobile.....	0	1	1	<b>Missouri:</b>			
<b>California:</b>				Kansas City.....	3	3	1
Los Angeles.....	2	3	1	St. Joseph.....	1	3	
Sacramento.....	0	5	1	St. Louis.....	8	4	2
San Francisco.....	2	3		<b>Montana:</b>			
<b>Colorado:</b>				Billings.....	0	1	
Denver.....	3	3		<b>Nebraska:</b>			
Pueblo.....	1		1	Omaha.....	1	4	
<b>Connecticut:</b>				<b>New Jersey:</b>			
Bridgeport.....	0	1	1	Atlantic City.....	1	1	1
Manchester.....	0	2		East Orange.....	0	2	
New Haven.....	2	2		Hoboken.....	0	1	
<b>District of Columbia:</b>				Jersey City.....	2	1	
Washington.....	7	3	1	Newark.....	1	1	
<b>Georgia:</b>				Trenton.....	2	5	
Atlanta.....	3	1		<b>New Mexico:</b>			
Brunswick.....	0	1	1	Albuquerque.....	1	1	
Rome.....	0	1		<b>New York:</b>			
Savannah.....	1	2		Buffalo.....	4	4	1
<b>Idaho:</b>				Elmira.....	0	6	
Boise.....	0	1		Glens Falls.....	0	3	
<b>Illinois:</b>				Ithaca.....	0	1	
Champaign.....		1		Lockport.....	0	1	
Chicago.....	15	13	2	Newburgh.....	0	2	
Cicero.....		1		New York.....	31	19	4
Danville.....	1	2		Niagara Falls.....	0	3	
Decatur.....	1	1		Oneida.....		1	1
Freeport.....	0	1		Peekskill.....	0	1	
Kewanee.....	0	3		Port Chester.....	0	1	
Springfield.....	0	4	1	Rochester.....	1	2	
<b>Indiana:</b>				Syracuse.....	1	1	
Elkhart.....	0	2		Yonkers.....	0	2	
Indianapolis.....	5	2		<b>North Carolina:</b>			
Marion.....	0	1	1	Durham.....	1	1	
Muncie.....	1	1		Greensboro.....	0		1
South Bend.....	0	2		Raleigh.....	0	1	
<b>Iowa:</b>				Wilmington.....	0	5	
Muscatine.....	0	2		<b>Ohio:</b>			
Waterloo.....		1		Cleveland.....	4	16	
<b>Kansas:</b>				Columbus.....	1	8	1
Kansas City.....	1	6		East Cleveland.....	0	3	
<b>Kentucky:</b>				Fremont.....	1	3	
Lexington.....	1	1		Lima.....	1		1
Louisville.....	3	4	1	Sandusky.....	0	2	
<b>Louisiana:</b>				Springfield.....	1	1	1
New Orleans.....	4	12	1	Toledo.....	4	29	3
<b>Maine:</b>				<b>Oklahoma:</b>			
Portland.....	1	1		Oklahoma City.....	0	1	1
<b>Maryland:</b>				<b>Oregon:</b>			
Baltimore.....	17	11	1	Portland.....	2	1	2
Cumberland.....	1	2	1	<b>Pennsylvania:</b>			
<b>Massachusetts:</b>				Carrick.....		1	
Adams.....	0	3		Coatesville.....	0	4	
Boston.....	3	10	1	Johnstown.....	1	2	
Clinton.....	0	1		Lancaster.....	0	1	
Fall River.....	5	1		New Castle.....	1	1	
Haverhill.....	0	2		Philadelphia.....	14	14	2
Lawrence.....	0	1		Pittsburgh.....	3	9	
Lowell.....	0	1		Reading.....	4	2	
New Bedford.....	2	4		Sunbury.....	0	1	
Northbridge.....		1		West Chester.....	0	1	
Norwood.....		1		<b>South Carolina:</b>			
Worcester.....	2	1		Charleston.....	0	1	
<b>Michigan:</b>				<b>South Dakota:</b>			
Detroit.....	10	2	3	Sioux Falls.....	0	2	
Flint.....	2	2		<b>Tennessee:</b>			
Jackson.....	0	1		Knoxville.....	3	2	1
Kalamazoo.....	0	1		Memphis.....	2	1	1
Pontiac.....	0	1		Nashville.....	3	2	2

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

TYPHOID FEVER—Continued.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Texas:				Washington:			
Dallas.....	0	2		Aberdeen.....	0	1	
Fort Worth.....	0	2		Seattle.....	0	3	
Utah:				Spokane.....	0	1	
Salt Lake City.....	1	1		West Virginia:			
Vermont:				Bluefield.....	0	15	
Burlington.....	0	1		Charleston.....	0	1	
Virginia:				Fairmont.....	0	1	
Alexandria.....	0	3		Farkersburg.....	0	1	
Danville.....	0	8	1	Wheeling.....	2		1
Lynchburg.....	0	1	1	Wisconsin:			
Norfolk.....	2	1		Beloit.....	0	1	
Richmond.....	2	1		Green Bay.....	0	4	
Roanoke.....	1	2		Racine.....	0	1	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Anniston.....	17,734		3						1	
Birmingham.....	178,270	51	28	1		14			4	5
Gadsden.....	14,737		17							
Mobile.....	60,151	20	4							
Montgomery.....	43,464	14	5	2						
Tuscaloosa.....	11,996		4							
Arizona:										
Tucson.....	20,292	17		1						4
Arkansas:										
Fort Smith.....	28,811	9	6	3		1			2	1
Hot Springs.....	11,695	4	3			2				
Little Rock.....	64,997		6			5			7	
North Little Rock.....	14,048		1						5	
California:										
Alameda.....	28,806	2			1					
Berkeley.....	55,886	9	2		1		1			1
Eureka.....	12,923	5							9	
Long Beach.....	55,583	22	4			4				
Los Angeles.....	576,673	151	88	1	3	14			51	12
Oakland.....	216,361	50	10			8			1	4
Pasadena.....	45,354	21				1			5	1
Richmond.....	16,843	3	1			1				
Riverside.....	19,341	5	4	1						2
Sacramento.....	65,857	18	10			1			3	
San Bernardino.....	18,721	8		1						3
San Diego.....	74,643	27	2			6			2	1
San Francisco.....	508,410	147	37	6	2	7			26	10
San Jose.....	39,604	6	5		1					
Santa Barbara.....	19,441	3	4							1
Santa Cruz.....	10,917	2								
Stockton.....	40,296	9	5		4		4			2
Vallejo.....	21,107	2		1						
Colorado:										
Colorado Springs.....	30,105	10	1			1				2
Denver.....	256,369	49	12	1		9				11
Pueblo.....	42,908	8	15	1		3				
Trinidad.....	10,906					1				
Connecticut:										
Bridgeport.....	143,538	21	13	1	1		7			2
Bristol.....	20,620	4								
Danbury (city).....	18,943	3	1		1					
Derby.....	11,238	2								
Fairfield (town).....	11,475	0							1	
Hartford.....	138,086	29	16	2	4		1	1		
Manchester (town).....	18,370	2					1			

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Connecticut—Continued.										
Meriden (town).....	34,739		5							1
Milford (town).....	10,193	2								2
New Haven.....	162,519	27	6	1	1				5	
New London.....	25,688	6				4			1	
Norwalk.....	27,706	6								1
Norwich (town).....	29,685	6				3			2	
Delaware:										
Wilmington.....	110,168	21	2			7				1
District of Columbia:										
Washington.....	437,574	128	23	1	3	9			13	18
Florida:										
Tampa.....	51,252	15	5			1			1	1
Georgia:										
Atlanta.....	200,616	61	7			8				2
Brunswick.....	14,413	6							1	
La Grange.....	17,038									2
Macon.....	52,995	26								2
Rome.....	13,282		13			7				
Savannah.....	83,252	32	7	1		1			5	2
Valdosta.....	10,783	2	1							
Idaho:										
Boise.....	21,393	2	1			13				
Pocatello.....	15,001	4	4			1				
Illinois:										
Alton.....	24,682	4	3							
Aurora.....	36,397	14	24			2			6	2
Bloomington.....	28,725	11	8						2	
Blue Island.....	11,424	6	7	1						
Centralia.....	12,491	3				1			1	
Champaign.....	15,873					2				
Chicago.....	2,701,705	577	263	13	12	92	1	229		34
Chicago Heights.....	19,653	6		1						
Cicero.....	44,995	7	16	1		5				
Danville.....	33,750	8				9				
Decatur.....	43,818	16	15	2		5				1
East St. Louis.....	66,740	16	10			1				
Elgin.....	27,454	3	2						1	
Evanston.....	37,215	7	4							
Freeport.....	19,669	5	5			1				
Galesburg.....	23,834	5				6				
Jacksonville.....	15,713	5				1				
Kewanee.....	16,026	4	3		1	3				
La Salle.....	14,050	2	2							
Mattoon.....	13,552	3	15	1		3			2	
Oak Park.....	39,830	9				1			4	
Pekin.....	12,086		8	1	1	2				
Peoria.....	76,121	20	10			13				
Quincy.....	35,978	8	1	1		1			1	
Rockford.....	65,651	11	21			8				
Rock Island.....	35,177	5								
Springfield.....	59,183	20	5	1		4			5	1
Indiana:										
Bloomington.....	11,595	2	2			1				
East Chicago.....	35,967	9							1	
Elkhart.....	24,277					2				
Frankfort.....	11,585	4				2				
Gary.....	55,378	13	5	1		2				1
Hammond.....	36,004	10	3			6			1	
Huntington.....	14,000	3	6	2		5				
Indianapolis.....	314,194	72	94	2	21	2		2		5
Kokomo.....	30,067	4				6				
La Fayette.....	22,486	10	3			1				1
Logansport.....	21,626	3	1							
Marion.....	23,747	11	7	1		2				
Mishawaka.....	15,195	2	1			2			1	1
Muncie.....	33,624	7	3	1						
Richmond.....	26,765	2	1			1				
South Bend.....	70,983	12	5						1	
Terre Haute.....	66,083	15	29	2		2				1
Iowa:										
Burlington.....	24,057	3	1							
Council Bluffs.....	36,162	4	2			1				

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Iowa—Continued.										
Davenport.....	56,727						3			
Des Moines.....	126,468		6	2			14			
Iowa City.....	11,267		1				1			
Mason City.....	20,065	4					6			
Muscatine.....	16,068	4					1			
Ottumwa.....	23,003		6				5			
Sioux City.....	71,227		14	2			2			
Waterloo.....	33,230		4	1			2			
Kansas:										
Atchison.....	12,630		10				3			
Coffeyville.....	13,452	3	5		1				2	
Fort Scott.....	10,693	6	12				1			
Hutchinson.....	23,298		20							
Kansas City.....	101,177		28				5		4	
Lawrence.....	12,456	2					5			
Leavenworth.....	16,912		20	1			2		1	
Parsons.....	16,028	6	2				2			
Salina.....	15,035	6	4				1			
Topeka.....	50,022	20	60	1			5			1
Wichita.....	72,128	22	41				14			
Kentucky:										
Covington.....	57,121	19	4							5
Lexington.....	41,534	20	4	1			2			
Louisville.....	234,891	70	53	1	4		3		15	6
Louisiana:										
Baton Rouge.....	21,782	7	2	1			2		1	1
Monroe.....	12,675	5		1						
New Orleans.....	337,219	124	16				8		21	13
Maine:										
Auburn.....	16,985	6								
Bangor.....	25,978						3		1	
Bath.....	14,731	1					1			
Lewiston.....	31,791	8	1				5			
Portland.....	69,272	26	11							1
Sanford.....	10,691	3								1
Waterville.....	13,351		2				2			
Maryland:										
Baltimore.....	733,826	210	43	2	9		26		22	19
Cumberland.....	29,837	9	4		1		6			
Massachusetts:										
Adams.....	12,967	2					1			
Amesbury.....	10,036	0	1							
Arlington.....	13,665	3								
Attleboro.....	19,731	4							2	
Belmont.....	10,749	1								
Beverly.....	22,561	5								
Boston.....	748,060	173	55	3	21		43		34	16
Braintree.....	10,580	1			1					
Brockton.....	66,138	12	4						2	
Brookline.....	37,733	11								
Cambridge.....	109,624	24	3		1		3		10	3
Chelsea.....	43,184	13	2				1			1
Chicopee.....	33,214	9	4	1			1		1	
Clinton.....	12,979	3								
Danvers.....	11,103								2	
Dedham.....	10,792	1								
Easthampton.....	11,261		3				1			
Everett.....	40,120	5	5				3			
Fall River.....	120,483	37	3				1		3	3
Frammingham.....	17,033	7	3						3	1
Gardner.....	16,971	3					1			1
Greenfield.....	15,462	5	1				3			
Haverhill.....	53,884	13	7	1			2		1	1
Holyoke.....	60,203	7	3				1		3	1
Lawrence.....	94,270	16	3				2		2	
Leominster.....	19,744	4					1			
Lowell.....	112,479	33	9	1	2		2		2	1
Lynn.....	99,148	17	12	2	3		1		2	1
Malden.....	49,103	14	4	2					3	
Medford.....	39,038	4	1		22				1	
Melrose.....	18,204	4	1						1	
Methuen.....	15,189	3	1				1			

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Natick.....	10,907									1
New Bedford.....	121,217	24	10	1			4		5	2
Newburyport.....	15,618	4								
Newton.....	46,054	6	6	1			1			
North Adams.....	22,252	4					1		1	
Northampton.....	21,951	9			1					
Northbridge.....	10,174	0							1	
Norwood.....	12,627	1			1					
Peabody.....	19,552	2							2	
Pittsfield.....	41,751	11	11				1	1		2
Plymouth.....	13,045	4								
Quincy.....	47,878	7			1		1		2	2
Salem.....	42,529	7	2		1		1		1	
Somerville.....	55,091	14	5		1		2		3	1
Southbridge.....	14,245	1					2			
Springfield.....	129,563	29	8		1		4		6	4
Taunton.....	37,137	22								1
Wakefield.....	13,025	1	2				2		1	
Waltham.....	30,915	7	4				1		1	
Watertown.....	20,457	5	2						1	
Webster.....	13,258	4								
West Springfield.....	13,443	4							1	1
Westfield.....	18,604	4								1
Winthrop.....	15,455	2	3							
Woburn.....	16,574	5								
Worcester.....	179,754	36	14	1	2		14	1	4	3
Michigan:										
Alpena.....	11,101		1				9			
Ann Arbor.....	19,516	12	6	1	1		1			
Battle Creek.....	36,164	7					6			
Benton Harbor.....	12,233	3	1				3		1	
Detroit.....	993,739	190	100	9	27		63	2	42	6
Flint.....	91,599	17	20				22			1
Grand Rapids.....	137,634	33	18	1			9		2	
Hamtramck.....	48,615	12	8						1	
Highland Park.....	46,499	8	3		2		2			
Ishpeming.....	10,500	1								
Jackson.....	48,374	8	5	1			8		9	
Kalamazoo.....	48,858	17	13							
Marquette.....	12,718	3					1			
Muskegon.....	36,570	8	3				3			
Pontiac.....	34,273	9	6				6		1	
Port Huron.....	25,944	4	4				1		2	
Sault Ste. Marie.....	12,096	3								
Minnesota:										
Austin.....	10,118	4					4			
Duluth.....	98,917	13	12				1		4	1
Hibbing.....	15,089	1					2			
Minneapolis.....	380,582	71	108	1	3		55	2	37	5
Rochester.....	13,722	20					1			
St. Cloud.....	15,873		4				6			
St. Paul.....	234,565	45	15				27		13	6
Winona.....	19,143	4	3				3			
Missouri:										
Independence.....	11,686	5								
Joplin.....	29,855		3				2			
Kansas City.....	324,410	76	91	2	2	1	16		1	3
St. Joseph.....	77,939	26	10	2			14	1		
St. Louis.....	772,897	190	102	1	1		14	1	28	9
Springfield.....	39,631	11	38				2			
Montana:										
Billings.....	15,100	3	1							
Butte.....	41,611	9								
Great Falls.....	24,121	8	2				1			
Missoula.....	12,668	4							1	
Nebraska:										
Lincoln.....	54,934	14	3		1				1	
Omaha.....	191,601	41	36	2			6			
Nevada:										
Reno.....	12,016	4								
New Hampshire:										
Berlin.....	16,104	1								
Concord.....	22,167	5					2			

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Hampshire—Continued.										
Dover.....	13,029	4								
Keene.....	11,210	3					1			1
New Jersey:										
Asbury Park.....	12,400	7							1	
Atlantic City.....	50,682	11	2				1			1
Bavonnc.....	76,754	3							2	
Belleville.....	15,060	1								
Bloomfield.....	22,019	0	2				3			
Clifton.....	26,470	5	4							
East Orange.....	50,710								6	
Elizabeth.....	95,682		12			1				1
Englewood.....	11,627	1								
Garfield.....	19,981	3	2							
Gloucester City.....	12,162		1							
Hackensack.....	17,667	6								
Harrison.....	15,721								2	
Hoboken.....	68,166	17	5				2		2	1
Irvington.....	25,480		2							
Jersey City.....	297,964		17			6		6		3
Kearny.....	26,724	5	1				1		8	
Montclair.....	23,810	5	1			1		5		
Morristown.....	12,548	11	1							1
New Brunswick.....	32,779	6	3	1					5	
Newark.....	414,216	70	19		7		14		19	6
Orange.....	33,268	4	4						1	
Passaic.....	63,824	7	3				1		5	1
Paterson.....	135,866		3				5		1	
Perth Amboy.....	41,707	7	7			1		3		1
Phillipsburg.....	16,923	3								
Plainfield.....	27,700	6	9		1		2			1
Rahway.....	11,042	1	4				1			
Summit.....	10,174	1								
Trenton.....	119,289	44	3	1			3		6	1
Union.....	20,651	2	2							
West Hoboken.....	40,068	2	2			1			1	
West New York.....	28,925	0	2			1				
West Orange.....	15,573	1							1	
New Mexico:										
Albuquerque.....	15,157	12	2				2		2	7
New York:										
Albany.....	113,344		9				2		3	
Auburn.....	36,192	11	5				2			1
Binghamton.....	66,800	14	12	1			8			
Buffalo.....	506,775	106	33	2	1		33	1		8
Cohoes.....	22,987	5					2			1
Cortland.....	13,294	0	8				2		1	
Elmira.....	45,305	14	2			3	6			1
Geneva.....	14,648	9								
Glens Falls.....	16,638	7	1				1			
Herkimer.....	10,453	2	3	1			1		1	
Hudson.....	11,745	3	3							
Ithaca.....	17,004	4	13				1		3	
Jamestown.....	38,917	5	5				1			1
Lockport.....	21,308	4	3				1			
Middletown.....	18,420		1							
Mount Vernon.....	42,726	5	2				1			
Newburgh.....	30,366	4					2		2	
New York.....	5,621,151	1,211	184	14	41	1	97	2	1,279	191
Niagara Falls.....	50,760	8	3			2	14			
North Tonawanda.....	15,482	7	7							
Olean.....	20,506	6	2							
Oneida.....	10,541	1					1			
Peekskill.....	15,968	3					1			1
Port Chester.....	16,573	2	2				3			1
Poughkeepsie.....	95,000	9					1			
Rochester.....	285,750	64	16	2			7		4	2
Rome.....	26,341	12	1							
Saratoga Springs.....	13,181	9							1	
Schenectady.....	68,723	11	13	1						1
Syracuse.....	171,717	41	25	1	4		19		4	2
Troy.....	72,013	12	1				1		7	1

<sup>1</sup> Pulmonary tuberculosis only.

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
White Plains.....	21, 031	5	1				3			
Yonkers.....	100, 226	14	4	1			6			2
North Carolina:										
Charlotte.....	46, 338	17	20				1		2	2
Durham.....	21, 719	4	3							1
Greensboro.....	19, 861	5		1						
Raleigh.....	24, 418	14	10				3			1
Rocky Mount.....	12, 742	6								1
Salisbury.....	13, 884	1								
Wilmington.....	33, 372	12	3				5		4	
Winston-Salem.....	48, 395	13	6			1	4	2	2	2
North Dakota:										
Fargo.....	21, 961	0					9			
Ohio:										
Akron.....	208, 435	31	25				23		19	
Alliance.....	21, 603	4								
Barberton.....	18, 811	3	1				2			
Bucyrus.....	10, 425	0	1							
Canton.....	87, 091	14	16	2			10			
Cincinnati.....	401, 247	102	32	3	3		7		10	13
Cleveland.....	796, 836	60	60		10		49			
Columbus.....	237, 031	73	40	2			15	1	4	4
Cuyahoga Falls.....	10, 200	1	1		1					
Dayton.....	152, 559	38	17				6		3	
East Cleveland.....	27, 292	2					1		1	
Elyria.....	20, 474	4					6			
Findlay.....	17, 021	5					1			
Fremont.....	12, 468	4	3							
Hamilton.....	39, 675	18	6	1			7			1
Ironton.....	14, 007	3	2				1			
Kenmore.....	12, 683	2	2							
Lancaster.....	14, 706	8	6	1			1			
Lima.....	41, 906	12	14							
Lorain.....	37, 295	10	10				12			
Marion.....	27, 691	11	11							
Middletown.....	23, 594	5	9	2						
Newark.....	26, 718	9	20				4			
New Philadelphia.....	10, 718	10	10							
Norwood.....	24, 966	3								
Piqua.....	15, 044	3	1							
Portsmouth.....	33, 011	10	5				2			
Salem.....	10, 305	3								
Sandusky.....	22, 897	7								1
Springfield.....	60, 840	23	75	2						
Steubenville.....	28, 508	9	1				1		1	
Tiffin.....	14, 375	9								1
Toledo.....	243, 109	46	54	1	1		3		1	7
Youngstown.....	132, 358	13	5	1	2		8			
Zanesville.....	29, 569	13	9	1						
Oklahoma:										
Oklahoma City.....	91, 258	25	11	1			12		2	
Tulsa.....	72, 075	6	6		2		7			
Oregon:										
Portland.....	258, 288	55	28	3			7		1	2
Pennsylvania:										
Allentown.....	73, 502	8	7				2		2	
Altoona.....	60, 331	12	7				5			
Ambridge.....	12, 730	1	2				2			
Berwick.....	12, 181	2	2							
Bethlehem.....	50, 358	8					6			
Braddock.....	20, 879						1		1	
Butler.....	23, 778		1				2			
Canonsburg.....	10, 632						2			
Carbondale.....	18, 640		2							
Carnegie.....	11, 516		1							
Carrick.....	10, 504						1			
Charleroi.....	11, 516		2							
Chester.....	58, 030		1				1			
Dickson City.....	11, 049		2							
Donora.....	14, 131		2							
Dubois.....	13, 681		6							
Duquesne.....	19, 011		5							
Easton.....	33, 813		2				1			

## CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

## DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Erie.....	93,372		3				1		5	
Farrell.....	15,596				9		1			
Greensburg.....	15,033		1				1			
Harrisburg.....	75,917		1				3			
Hazleton.....	32,277		3						2	
Johnstown.....	67,327		3		9					
Lancaster.....	53,150		3				5			
McKeesport.....	45,975		3		1		1			
McKees Rocks.....	16,713		3						4	
McE.....	14,388						1			
Meadville.....	18,179		4				1			
Monessen.....	18,179		5				1			
Nanticoke.....	22,614		4							
New Castle.....	44,938		1				11			
New Kensington.....	11,987		1		1					
Norristown.....	32,319		6							
Oil City.....	21,274				1					
Oid Forge.....	12,237		2							
Philadelphia.....	1,823,158	403	50	3	3		73		73	44
Phoenixville.....	10,484		1							
Pittsburgh.....	588,193		46		3		36		27	
Pittston.....	18,497		1							
Plymouth.....	16,500		3							
Pottstown.....	17,431						6			
Pottsville.....	21,876		1							
Punxsutawney.....	10,311						1			
Reading.....	107,784		9				1		1	
Scranton.....	137,783		14		1		2		5	
Sunbury.....	15,721		1							
Uniontown.....	15,692		2				1			
Warren.....	14,256						4			
Washington.....	21,480		1		1		1			
West Chester.....	11,717						1			
Wilkes-Barre.....	73,833		9		2		2			
Wilkinsburg.....	24,403		2							
Williamsport.....	36,198		1				1		1	
Woodlawn.....	12,495		2				1			
York.....	47,512		7				2			
Rhode Island:										
Cranston.....	29,407	6	1							
Newport.....	30,255	7	1				7			
Pawtucket.....	64,248	17	10							
Providence.....	237,595	61	4		1		2			7
South Carolina:										
Charleston.....	67,957	19	7		1		13		1	2
Columbia.....	37,524	6	6				6			
South Dakota:										
Sioux Falls.....	25,176	10	1				1			
Tennessee:										
Knoxville.....	77,818		13	2			1		2	2
Memphis.....	162,351	73	19		3		4		3	3
Nashville.....	118,342	31	27	1			2		4	3
Texas:										
Beaumont.....	40,422	14	1							
Corpus Christi.....	10,522	3	1	1						
Dallas.....	158,976	44	7				5		2	3
El Paso.....	77,543	32	2				1			5
Fort Worth.....	106,482		2				2			
Galveston.....	44,255	9								
Houston.....	138,076	37	7							4
Waco.....	38,500	11	3	1					3	2
Utah:										
Salt Lake City.....	118,110	30	6				8			
Vermont:										
Burlington.....	22,779	7	11	2			2			
Rutland.....	14,954	2					2			1
Virginia:										
Alexandria.....	18,060	4							1	
Danville.....	21,539	9	10				3			
Lynchburg.....	29,955	12	7				1		1	2
Norfolk.....	115,777		4				2		1	3
Petersburg.....	31,002	8	2				3		3	2
Portsmouth.....	54,387	10	5				1		1	1
Richmond.....	171,667	39	13		1		13		9	4
Rosauke.....	50,812	9	25	1			13		1	1





## FOREIGN AND INSULAR.

### PLAGUE RATS ON VESSELS.

#### Australia.

Under date of September 21, 1921, plague-infected rats were stated to have been conveyed from Brisbane, Queensland, to other ports in the State, and to Sydney in the State of New South Wales.

#### AUSTRALIA.

##### Plague—Plague-infected Rats—Queensland.

The occurrence of plague in Queensland, Australia, has been reported under dates of September 17 and 24, 1921, as follows: At Brisbane, one case ending fatally August 23, 1921, occurring in an employee in a produce store; at Kelvin Grove, September 20, 1921, a death from plague in a person employed as office cleaner in the city of Brisbane; at Townsville, a fatal case occurring September 21, 1921.

During the period September 17 to 24, 1921, of 4,269 rats examined at Brisbane, 28 rats were found plague infected. One plague-infected rat was reported found on the steamship *Kuranda*.

##### Plague-infected Rats—Sydney.<sup>1</sup>

At Sydney, New South Wales, Australia, the finding of plague rats on the wharves and of one plague rat on a vessel arriving from Brisbane was reported during the two weeks ended September 24, 1921.

#### JAMAICA.

##### Infectious Disease (Alastrim or Kaffir Pox).

During the week ended October 15, 1921, 37 new cases of alastrim or Kaffir pox were reported in the Island of Jamaica.

##### Typhoid Fever—Kingston and Vicinity.

During the period under report two cases of typhoid fever were reported in Kingston and 27 cases in the surrounding country.

#### MEXICO.

##### Yellow Fever—Manzanillo.

A case of yellow fever was reported at Manzanillo, Mexico, during the week ended October 15, 1921.

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<sup>1</sup> See Public Health Reports, Nov. 4, 1921, p. 2753.

## PERU.

## Plague—September, 1921.

During the month of September, 1921, 45 cases of plague with 22 deaths were reported in Peru. The cases were distributed according to Departments as follows: *Cajamarca*, present in country district of Cajamarca, and at Bambamarca and vicinity; *Callao*, one case with one death at Callao; *Lambayeque*, 2 cases at Chiclayo; *Libertad*, 3 cases at San Pedro; *Lima*, 16 cases with 4 deaths occurring at Huacho (9 cases, one death), Lima city, (2 cases with one death); Lima country district (5 cases with 2 deaths); *Piura*, 23 cases with 17 deaths at Sechura.

## RHODES.

## Plague.

A fatal case of plague was reported in the Island of Rhodes, Ægean Sea, late in August, 1921. Under date of October 3, 1921, three additional cases were reported as occurring during the period September 20–24, 1921.

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

Reports Received During Week Ended Nov. 11, 1921.<sup>1</sup>

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Shanghai.....	Sept. 26–Oct. 2.....	6		One case, foreign.
India:				Aug. 31–Sept. 13, 1921: Deaths, 46,051.
Bombay.....	Sept. 11–17.....	3	3	
Karachi.....	Sept. 25–Oct. 1.....	9	8	
Indo-China:				
Saigon.....	Aug. 28–Sept. 3.....	1	1	
Philippine Islands:				
Manila.....	Sept. 10–17.....	2		
Siam:				
Bangkok.....	Aug. 28–Sept. 3.....	1	1	

## PLAGUE.

Algeria:				
Algiers.....	Oct. 1–10.....	1		
Australia:				
New South Wales—				
Sydney.....	Sept. 11–24.....			Plague rats found on wharves and one rat from vessel from Brisbane.
Queensland.....	Sept. 17–24.....			Plague rats found, 28.
Brisbane.....	Aug. 23.....		1	Employee in produce store.
Kelvin Grove.....	Sept. 20.....		1	Office cleaner at Brisbane. One plague rat.
Townsville.....	Sept. 21.....		1	Two plague rats found.
China:				
Amoy.....	Sept. 11–24.....			Present.
Ecuador:				
Guayaquil.....	Sept. 16–30.....	5	2	Plague rats found, 79.
Egypt.....				Jan. 1–Oct. 6, 1921: Cases, 306, deaths, 129.

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources.

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

### Reports Received During Week Ended Nov. 11, 1921—Continued.

#### PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Bombay .....	Sept. 11-17 .....	7	6	
Karachi .....	Sept. 25-Oct. 1 .....	1	1	
Madras Presidency .....	do. ....	149	97	
Rangoon .....	Sept. 11-24 .....	58	59	
<b>Italy:</b>				
Naples .....	Oct. 7 .....	1		Workman in mill, in commune of San Giovanni a Teduccio.
<b>Java:</b>				
East Java— Surabaya .....	Aug. 28-Sept. 17 .....	10	10	
<b>Peru</b>				
Department— Cajamarca .....	Sept. 1-30 .....			Sept. 1-30, 1921: Cases, 45; deaths, 22. Present. At Bambamarca, Cajamarca, and other localities.
Callao .....	do. ....	1	1	At Callao.
Lambayeque .....	do. ....	2		At Chiclayo.
Libertad .....	do. ....	3		At San Pedro.
Lima .....	do. ....	16	4	At Huacho, cases 9, deaths, 1; Lima city, cases, 2, deaths, 1; country, cases, 5, deaths, 2.
Piura .....	do. ....	23	17	At Sechura.
Rhodes (Island) .....	Sept. 20-24 .....	3		One fatal case reported late in August, 1921.
<b>Siam:</b>				
Bangkok .....	Aug. 28-Sept. 3 .....	2	1	
On vessels .....				Plague rats reported, Sept. 21, 1921, on vessels from Brisbane, Australia, at Sydney and other ports.

#### SMALLPOX.

<b>Asia Minor:</b>				
Smyrna .....	Oct. 2-8 .....	1		In district.
<b>Brazil:</b>				
Rio de Janeiro .....	Sept. 18-Oct. 1 .....	17	8	
<b>British East Africa:</b>				
Zanzibar .....	Aug. 1-31 .....	14	6	Districts and towns.
<b>Canada:</b>				
New Brunswick— St. Stephen .....	Oct. 23-29 .....	1		
<b>Chile:</b>				
Concepcion .....	Sept. 5-19 .....	3		Reported present in Chillan and
Valparaiso .....	Sept. 11-Oct. 1 .....		24	Mulchen.
<b>China:</b>				
Amoy .....	Sept. 11-24 .....			Present.
Chungking .....	Sept. 11-17 .....			Do.
<b>Dominican Republic:</b>				
San Pedro de Macoris .....	Oct. 9-15 .....	2	2	
<b>Ecuador:</b>				
Guayaquil .....	Sept. 16-30 .....	3		
<b>Haiti:</b>				
Cape Haitien .....	Oct. 2-22 .....	28	2	
Port au Prince .....	Oct. 9-22 .....			Present.
<b>India:</b>				
Madras .....	Sept. 25-Oct. 1 .....	17	7	July 31-Aug. 6, 1921: Deaths, 295.
<b>Mesopotamia:</b>				
Bagdad .....	Aug. 1-31 .....	20	4	
<b>Mexico:</b>				
Mexico City .....	Sept. 4-17 .....	22		Including localities in Federal district.
<b>Portugal:</b>				
Lisbon .....	Sept. 18-24 .....	9	2	
Oporto .....	Oct. 9-15 .....	1		
<b>Straits Settlements:</b>				
Singapore .....	Sept. 9-15 .....	2	1	
<b>Tunis:</b>				
Tunis .....	Oct. 8-14 .....	1		
On vessel:				
S. S. Montoro .....	Aug. 31 .....	1		At Batavia, Java, from Singapore, Aug. 27. Vessel proceeded from Batavia to Port Darwin and Townsville.

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

**Reports Received During Week Ended Nov. 11, 1921—Continued.**

**TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Oct. 1-10.....	1		
Asia Minor:				
Smyrna.....	Oct. 2-8.....	1		In district.
Chile:				
Valparaiso.....	Sept. 11-17.....		1	
China:				
Antung.....	Sept. 26-Oct. 2.....	1		From report of Japanese Settlement and Danish Mission among Chinese.
Egypt:				
Alexandria.....	Oct. 1-7.....	2	1	
Cairo.....	Aug. 13-19.....	10	7	
Great Britain:				
Dublin.....	Oct. 9-15.....	1		
Mesopotamia:				
Bagdad.....	Aug. 1-31.....	1		
Mexico:				
Mexico City.....	Sept. 4-17.....	25		Including municipalities in Federal district.
Russia:				
Latvia—				
Libau.....	Sept. 8-15.....	2		
Siberia—				
Vladivostok.....	Aug. 1-31.....	18		
Turkey:				
Constantinople.....	Sept. 26-Oct. 8.....	7		

**YELLOW FEVER.**

Mexico:				
Manzanillo.....	Oct. 9-15.....	1		

**Reports Received from July 2 to Nov. 4, 1921.**

**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	July 3-Sept. 10.....		15	
Hongkong.....	Aug. 22-28.....	37	8	Cases: Chinese, 34; foreign, 3. Deaths, Chinese, 5; foreign, 3.
Shanghai.....	Aug. 1-Sept. 24.....	61	10	Cases: Chinese, 18; foreign, 43.
Swatow.....	Aug. 14-20.....	1	1	
Germany:				
East Prussia—				
Königsberg.....	Oct. 10.....	3	1	
India:				
Bombay.....	May 1-June 18.....	11	10	Mar. 6-June 25, 1921: Deaths, 75,281. July 3-30, 1921; Deaths, 46,999.
Do.....	June 26-Sept. 3.....	74	45	
Calcutta.....	May 8-June 25.....	597	521	
Do.....	June 25-Sept. 10.....	163	143	
Karachi.....	July 10-Sept. 17.....	141	126	
Madras.....	May 15-June 25.....	3	2	
Do.....	June 25-Aug. 27.....	13	6	
Rangoon.....	Apr. 24-June 25.....	18	17	
Do.....	June 25-Sept. 10.....	21	14	
Indo-China:				
City—				
Cholon.....	June 6-12.....	5	4	Jan. 1-31, 1921: Cases, 80; deaths, 15. May 29-June 12, 1921: Cases, 251; deaths, 202.
Saigon.....	May 9-June 12.....	65	44	
Do.....	July 4-Aug. 27.....	103	94	Disseminated in neighboring Provinces.
Province—				
Anam.....	Jan. 1-31.....	42		In January, 1920: No cases.
Cambodia.....	do.....	8	2	January, 1920: Cases, 27; deaths, 14.
Cochin-China.....	do.....	18	9	January, 1920: Cases, 13; deaths, 10.
Tonkin.....	do.....	12	4	January, 1920: No cases.

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

**CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Philippine Islands:</b>				
Manila.....	May 22-June 25.....	4		
Do.....	July 3-Sept. 3.....	31	2	
<b>Province—</b>				
Batangas.....	June 12-18.....	2	1	
Do.....	July 3-23.....	7	3	
Cavite.....	July 10-Aug. 6.....	2	1	
Cebu.....	June 26-July 2.....	1		
Laguna.....	June 19-25.....	1		
Do.....	July 3-6.....	1	1	
Mindoro.....	June 12-18.....	1	1	
Pampanga.....	June 5-11.....	1	1	
Tarlac.....	June 19-25.....	1	1	
Union.....	June 26-Aug. 13.....	3	1	
<b>Poland:</b>				
Baranowicz.....	Aug. 18.....			Present.
Bialystok.....	July 25.....			Do.
Pinsk.....	do.....			Do.
<b>Russia:</b>				
<b>Districts—</b>				
Astrakan.....	Jan. 1-Aug. 10.....	5,132		Jan. 1-Aug. 10, 1921: Cases, 78,011. City of Moscow, cases, 289.
Black Sea.....	do.....	3,152		From Jan. 1 to July 13, 1921; 1,718 cases reported in Kuban Territory.
Kazan.....	Jan. 1-July 13.....	494		
Kharkov.....	do.....	257		
Kursk.....	Jan. 1-Aug. 10.....	1,227		City, 192 cases.
Moscow.....	Jan. 1-July 13.....	2,886		
Orel.....	Jan. 1-Aug. 10.....	1,968		
Rjasan.....	Jan. 1-July 13.....	129		
Samara.....	Jan. 1-Aug. 10.....	5,315		
Saratov.....	do.....	7,201		
Simbirsk.....	do.....	1,160		
Tambov.....	do.....	2,561		
Tsaritzyn.....	do.....	3,028		
Ufa.....	do.....	5,196		
Voronezh.....	do.....	3,621		
Petrograd.....	July 6.....	6		
<b>Republics—</b>				
Basjkir.....	Jan. 1-Aug. 10.....	1,839		
Kirghiz.....	do.....	5,887		
Tartar.....	do.....	1,178		
Tchuvash.....	do.....	233		
Rostov-on-Don.....	June 1.....	747		Present on Orenburg-Tashkent line, and at Cheljabinsk, Perm, Petropavlosk, Ufa, and in Smolevsk and Vitebsk districts during period under report.
<b>Territories—</b>				
Azerbeidjan.....	Jan. 1-Aug. 10.....	614		Very prevalent; reports incomplete.
Don.....	do.....	2,806		Far Eastern Republic.
Turkestan.....	do.....	5,683		
Ukraine.....	do.....			
Siberia.....	do.....	1,264		
<b>Siam:</b>				
Bangkok.....	Apr. 24-June 11.....	19	4	
Do.....	June 26-Aug. 27.....	5	1	
<b>Straits Settlements:</b>				
Singapore.....	June 12-18.....	1	1	

**PLAGUE.**

<b>Algeria:</b>				
Algiers.....	Aug. 1-31.....	1	1	
Annala district.....	May 31-July 3.....	77	22	Native district about 140 kilometers from Algiers.
Douar Megnine.....	May 31-Aug. 24.....	185	97	
Oran.....	Sept. 20-30.....	1	1	
<b>Asia Minor:</b>				
Smyrna.....	June 19-25.....	1		In suburbs.
Do.....	July 3-Sept. 3.....	4		
<b>Australia:</b>				
Sydney.....	Oct. 8.....			Dead plague-infected rats found on wharf.
<b>Azores:</b>				
<b>Fayal Island—</b>				
Horta.....	Sept. 4-10.....	1		
<b>St. Michael Island—</b>				
Capelas.....	Aug. 6-12.....	1	1	
Ribeira Grande.....	Aug. 6-Sept. 24.....	33	10	10 miles from port of Ponta Delgada.

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Brazil:</b>				
Bahia.....	May 15-June 18....	3	2	
Do.....	July 31-Aug. 27....	2	2	
Maranhao.....	June 23.....	1	1	
Pindobassu.....				Locality 200 miles west of Bahia; plague reported epidemic during August, 1921, with 60 deaths.
<b>British East Africa:</b>				
Kenya Colony—				
Kisumu.....	Apr. 24-May 21....			Present.
Do.....	June 26-Aug. 6....			Do.
Uganda.....	Mar. 1-June 30....	133	101	Reports of native chiefs show 2,709 deaths during same period.
<b>Cape Verde Islands:</b>				
St. Vincent.....	Aug. 12-18.....	6	3	
<b>Ceylon:</b>				
Colombo.....	May 8-June 11....	2	2	
Do.....	June 26-Aug. 27....	5	5	7 cases rodent plague.
<b>Chile:</b>				
Iquique.....	Sept. 17.....	1		
<b>China:</b>				
Amoy.....	May 15-June 25....	7	2	
Do.....	July 3-Sept. 10....		42	
Foochow.....	May 15-21.....			Present.
Hongkong.....	Apr. 24-June 25....	81	59	May 1-7, 1921: Plague rats found.
Do.....	June 26-Aug. 20....	38	27	
Manchuria—				
Harbin.....	May 3-22.....	46		
<b>Ecuador:</b>				
Guayaquil.....	May 1-June 15....	10	1	
Do.....	July 16-Sept. 15....	4	2	Plague rats found: Aug. 1-31, 1921, 54.
<b>Egypt:</b>				
City—				Jan. 1-Sept. 1, 1921: Cases, 266; deaths, 107.
Alexandria.....	May 21-June 24....	10	3	
Do.....	July 1-Sept. 30....	47	11	
Port Said.....	June 16-27.....	4	2	
Do.....	July 1-Sept. 30....	18	7	
Suez.....	May 20-June 30....	9	5	
Do.....	July 1-18.....	5	3	
Province—				
Assiout.....	May 24-June 16....	9	7	
Do.....	July 30.....	1		
Beni-Souef.....	July 10.....	1		
Gharbieh.....	June 2-25.....	7		
Do.....	July 9-Sept. 1....	9		
Girgeh.....	July 6-13.....	5	4	
Minieh.....	May 23-June 10....	2	1	
Do.....	July 13-Aug. 18....	7	3	
<b>Greece:</b>				
Piræus.....	Sept. 23.....	3		
<b>Hawaii:</b>				
Honokaa.....				Plague rat found, Sept. 8, 1921.
Kalopa.....	July 15-19.....	1	1	
Paauhau.....	May 21.....	1		
<b>India:</b>				
Bombay.....	May 1-June 25....	287	204	May 1-June 25, 1921: Cases, 2,093; deaths, 1,624. June 26-Sept. 3, 1921: Cases 3,570; deaths, 2,572.
Do.....	June 26-Sept. 3....	62	44	
Calcutta.....	May 8-June 18....	11	11	
Do.....	July 24-Aug. 6....	23	21	
Central Provinces.....	Aug. 14-20.....	27	16	
Karachi.....	May 8-June 25....	18	14	
Do.....	June 26-Sept. 17....	4	4	
Madras.....	Aug. 20-27.....	1	1	
Madras Presidency.....	May 22-June 25....	112	72	
Do.....	June 26-Sept. 17....	1,103	706	
Rangoon.....	Apr. 24-June 25....	162	142	
Do.....	June 26-Sept. 10....	446	385	
<b>Indo-China:</b>				
Saigon.....	May 23-June 12....	4	1	Jan. 1-31, 1921: Cases, 57; deaths, 51.
Do.....	July 10-Aug. 27....	16	11	Isolated cases in vicinity of Saigon.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**
**Reports Received from July 3 to Nov. 4, 1921—Continued.**
**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Italy:</b>				
Catania.....	Oct. 24.....	1		
Naples.....	Sept. 4.....	1		Worker in mill. Plague-infected rat found on premises.
<b>Java:</b>				
East Java— Surabaya.....	July 10-16.....	4	2	
<b>Madagascar:</b>				
Tananarive.....	June 20-July 24.....	49	46	Pneumonic.
<b>Mauritius:</b>				
Port Louis.....	Aug. 24.....			Present.
<b>Mesopotamia:</b>				
Bagdad.....	Apr. 1-May 31.....	32	35	
Do.....	July 1-31.....	1	1	
<b>Mexico:</b>				
Ciudad Victoria.....	June 7.....	1		In State of Tamaulipas; Case confirmed June 20, 1921.
Progreso.....				Plague rat reported found Sept. 10, 1921.
Tampico.....	June 11-30.....	36		
Do.....	July 1-Aug. 21.....	21	8	Infected rodents found July 1-Oct. 22, 1921, 171. Total, Jan. 1 to Oct. 22, 1921, 283.
<b>Morocco:</b>				
Spanish Zone.....				Reported present in epidemic form Sept. 29, 1921.
<b>Peru.....</b>				Mar. 1-Apr. 30, 1921: Cases, 119; deaths, 64. June 1-30, 1921: Cases, 14; deaths, 10. July 1-15, 1921: Cases, 9; deaths, 3. Sept. 16-30, 1921: Cases, 24; deaths, 9.
<b>Department—</b>				
Ancachs.....	Apr. 1-30.....	4	1	At Huarmey.
Arequipa.....	Mar. 1-Apr. 30.....	5	3	At Mollendo.
Do.....	July 1-15.....	2		Do.
Callao.....	Mar. 1-June 30.....	16	1	At Callao.
Do.....	July 1-Sept. 30.....	6	3	Do.
Lambayeque.....	Mar. 1-Apr. 30.....	3	2	At Chiclayo.
Libertad.....	Mar. 1-June 15.....	31	15	In 5 localities.
Lima.....	Mar. 1-June 30.....	43	23	At Lima City; Cases, 28; deaths, 18.
Do.....	July 1-Sept. 15.....	4	3	At Lima City.
Piura.....	Mar. 1-June 15.....	31	29	In 4 localities.
Do.....	Sept. 1-15.....	19	15	Deaths occurred at Sechura.
<b>Poland.....</b>				In border province, Aug. 9, 1921: Cases, 8.
<b>Porto Rico.....</b>				Total plague-infected rats found from beginning of outbreak to July 9, 1921: 90.
Caguas.....	Aug. 7-20.....	4	2	Sept. 4-24, 1921: Two plague-infected-rats found.
Fajardo.....				Aug. 23-Sept. 3, 1921: One plague rat found.
Manati.....	July 17-23.....	1	1	
Martin Pena.....	July 3-9.....	1		Suburb coextensive with San-turce.
San Juan.....				Plague rat on steamship San Luis, in San Juan harbor: Sept. 9, 1921.
<b>Portugal:</b>				
Lisbon.....	July 29-Sept. 3.....	7		
<b>Portuguese West Africa:</b>				
Angola—				
Loanda.....	Apr. 24-June 18.....	16		
Do.....	July 17-23.....		1	
<b>Russia:</b>				
Siberia—				
Vladivostok.....	Apr. 1-June 30.....		252	First case occurred Apr. 10, 1921.
Do.....	July 1-31.....		4	
<b>Senegal:</b>				
Dakar.....	May 1-June 30.....	54	47	
Do.....	July 1-Aug. 31.....	117	93	
<b>Siam:</b>				
Bangkok.....	Apr. 24-June 18.....	7	6	
Do.....	July 24-Aug. 27.....	14	11	



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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Straits Settlements:</b>				
Singapore.....	May 8-June 18.....	5	5	
Do.....	June 26-Aug. 20.....	4	4	
<b>Syria:</b>				
Alexandretta.....	July 10-Aug. 6.....	18	4	
Beirut.....	May 31-June 30.....	2		
Do.....	July 1-Sept. 4.....	17		
<b>Turkey:</b>				
Constantinople.....	July 10-Sept. 24.....	6	2	
<b>Union of South Africa</b>				
Jan.-Apr., 1921: Cases (white), 6; deaths, 4. Cases (native), 13; deaths, 6. Occurring in the Orange Free State.				
<b>On vessels:</b>				
Steamship Kishenev.....	May 2.....	1		At Chefoo, China. Plague death en route. Vessel sent to quarantine, Kentucky Island, where to May 6 a total of 16 deaths was reported. (Public Health Reports, July 1, 1921, p. 1534.)
Steamship Oreland.....				At Genoa, Italy, June 12, 1921; from La Plata, Argentina. Two fatal cases plague in crew en route.
Steamship Ralph Moller.....	June 8.....	4	1	At Chefoo, China, from Vladivostok, Siberia. Three fatal cases en route. One case with fatal termination removed at Vladivostok.
Steamship San Luis.....	Sept. 9.....			In harbor, San Juan, Porto Rico, Sept. 9, 1921; 1 plague rat.
Steamship Tenyo Maru.....				En route between Nagasaki and Kobe, Japan, June 28, 1921, 1 fatal case.

### SMALLPOX.

<b>Algeria:</b>				
Algiers.....	May 1-June 30.....	3		
Oran.....	Sept. 1-10.....	1		
<b>Asia Minor:</b>				
Smyrna.....	May 22-28.....	1		On the steamship Nicholas.
Do.....	July 24-30.....	2		
<b>Australia:</b>				
Victoria—				
Geelong.....	May 5-16.....	2		Mild.
Do.....	July 12-29.....	2		
Melbourne.....	Apr. 9-23.....	4	1	Mild epidemic.
Do.....	July 17-23.....	1	1	Slight epidemic reported.
<b>Bolivia:</b>				
La Paz.....	Apr. 1-30.....	5	4	
<b>Brazil:</b>				
Pernambuco.....	Mar. 28-May 22.....	28	4	
Rio de Janeiro.....	May 8-June 18.....	11	2	
Do.....	June 26-Sept. 17.....	100	19	
Sao Paulo.....	May 23-June 26.....	7	2	
Do.....	June 27-Sept. 4.....	13	2	
<b>British East Africa:</b>				
Kenya Colony—				
Zanzibar.....	May 8-14.....	12	4	Origin, India.
<b>Bulgaria:</b>				
Sofia.....	May 15-31.....	6		
<b>Canada:</b>				
Alberta—				
Calgary.....	May 26-June 18.....	3		
British Columbia—				
Vancouver.....	May 28-June 25.....	8		
Manitoba—				
Winnipeg.....	do.....	6		
Do.....	June 26-Oct. 15.....	13	1	

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
New Brunswick—				
Charlotte County.....	July 10-Oct. 15....	11	.....	
Madawaska County.....	Aug. 7-Oct. 15....	3	.....	
Restigouche County.....	June 19-25.....	1	.....	
Westmoreland County.....	June 26-July 2....	2	.....	
Nova Scotia—				
Sydney.....	June 5-18.....	2	.....	
Do.....	June 26-July 2....	4	.....	
Ontario—				
Fort William and Port Arthur.....	Aug. 7-27.....	2	.....	
Hamilton.....	June 12-18.....	3	.....	
Do.....	July 3-9.....	1	.....	
Kingston.....	June 5-11.....	1	.....	
London.....	June 5-25.....	2	.....	At 2 localities in vicinity, 2 cases.
Montreal.....	June 12-18.....	1	.....	
Do.....	July 17-Oct. 22....	3	.....	
North Bay.....	June 11-25.....	3	.....	
Do.....	June 26-July 9....	2	.....	
Ottawa.....	June 12-25.....	21	.....	
Do.....	June 26-Aug. 13....	35	.....	
Toronto.....	Aug. 28-Sept. 24....	3	.....	
Saskatchewan—				
Moose Jaw.....	Sept. 4-Oct. 15....	3	.....	
Saskatoon.....	Sept. 26-Oct. 17....	12	.....	
Chile:				
Antofagasta.....	May 16-June 19....	228	106	
Arica.....	May 31.....	2	.....	
Mejillones.....	May 30-June 5....	.....	.....	Present. Also at interior nitrate plants.
Valparaiso.....	June 26-Sept. 10....	.....	25	
China:				
Amoy.....	May 8-June 4.....	4	.....	June 5-25: Present.
Do.....	June 26-Sept. 3....	2	.....	
Antung.....	May 16-June 26....	12	2	
Canton.....	Apr. 1-30.....	.....	.....	Present.
Chungking.....	May 1-June 25....	.....	.....	Do.
Do.....	June 26-Aug. 20....	.....	.....	Do.
Foochow.....	May 8-June 25....	.....	.....	Do.
Do.....	June 26-Aug. 27....	.....	.....	Do.
Hankow.....	May 15-21.....	4	1	
Do.....	July 10-16.....	1	.....	
Hongkong.....	Apr. 24-June 25....	99	81	
Do.....	July 21-Aug. 20....	3	1	
Manchuria—				
Dairen.....	May 9-June 26....	44	5	
Do.....	June 27-Aug. 14....	8	3	
Harbin.....	May 16-June 13....	5	.....	
Do.....	June 27-July 10....	2	.....	
Mukden.....	May 22-June 11....	.....	.....	Do.
Do.....	July 3-Aug. 20....	.....	.....	Do.
Nanking.....	May 8-June 25....	.....	.....	Do.
Do.....	June 26-Aug. 27....	.....	.....	Do.
Shanghai.....	June 20-26.....	1	.....	
Do.....	July 3-Sept. 17....	5	1	
Tientsin.....	May 8-June 25....	31	.....	Mission hospital.
Do.....	June 26-Aug. 20....	9	1	
Tsingtau.....	May 9-June 12....	4	1	
Do.....	July 25-31.....	1	.....	
Chosen (Korea):				
Chemulpo.....	May 1-June 30....	11	3	
Fusan.....	do.....	12	3	
Gensan.....	do.....	5	2	
Seoul.....	do.....	3	.....	
Colombia:				
Santa Marta.....	June 5-25.....	.....	.....	Present.
Do.....	June 26-Aug. 27....	.....	.....	Do.
Cuba:				
Antilla.....	June 5-25.....	7	.....	
Do.....	June 26-Oct. 1....	71	.....	
Cienfuegos.....	June 26-Sept. 3....	3	.....	
Matanzas.....	June 12-18.....	1	1	
Do.....	July 3-31.....	4	2	
Nuevitas.....	July 4-Sept. 25....	15	.....	6 of these reported found in vicinity.
Preston.....	Oct. 2-15.....	4	.....	
Santiago.....	June 1-30.....	28	2	
Do.....	July 1-Sept. 30....	47	1	

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Dominican Republic.....				In eastern Provinces, Aug. 25, 1921, 2,000 cases, estimated. Cases numerous.
La Ramona.....	Aug. 25.....			
San Pedro de Macoris.....	Aug. 19-Oct. 8.....	48	4	On sugar estates in same Province, about 400 cases, Aug. 19-25. Estimated 500 cases in the District of Macoris, 50 of which were within city limits.
Santo Domingo.....	Sept. 1-Oct. 13.....	22		In surrounding country.
Ecuador:				
Eloy Alfaro.....	Aug. 1-15.....	1		
Guayaquil.....	May 1-June 30.....	31		
Do.....	July 1-Sept. 15.....	24	1	
Egypt:				
Cairo.....	Mar. 19-Apr. 29.....	2	1	
Port Said.....	Apr. 2-May 20.....	10		
Finland.....	May 1-15.....	1		
France:				
Brest.....	May 22-June 4.....	18		
Cherbourg.....	Aug. 1-31.....	1		Varioloid.
Paris.....	July 22-31.....	2	1	
Rouen.....	May 1-29.....	2		
Germany.....				Apr. 24-May 28, 1921: Cases, 12. Additional, Apr. 17-May 7, 1921: Cases, 57; deaths, 7.
Great Britain:				
Nottingham.....	May 29-June 4.....	1		
Do.....	July 3-Sept. 24.....	56		Stated Aug. 17 to be epidemic and to have begun about two months previous to date; 57 cases reported.
Queenstown.....	July 3-9.....	1		
Southampton.....	July 26-July 2.....	1		
Greece:				
Saloniki.....	June 6-12.....		1	
Haiti:				
Cape Haitien.....	June 19-25.....	24	2	
Do.....	June 26-Oct. 1.....	198	18	
Port au Prince.....	Sept. 11-17.....			Present.
India:				Mar. 20-May 21, 1921: Deaths, 3,232. June 5-25, 1921: Deaths, 958. July 3-9, 1921: Deaths, 393. July 24-30, 1921, 118 deaths.
Bombay.....	May 1-June 25.....	84	50	
Do.....	June 26-Sept. 3.....	61	42	
Calcutta.....	May 8-June 25.....	8	8	
Do.....	June 26-Sept. 10.....	9	7	
Karachi.....	May 29-June 25.....	25	17	
Do.....	June 26-July 30.....	8	2	
Madras.....	May 8-June 25.....	33	11	
Do.....	June 26-Sept. 17.....	57	34	
Rangoon.....	Apr. 24-June 4.....	20	3	
Do.....	July 10-Aug. 13.....	4	1	
Indo-China:				Jan. 1-31, 1921: Cases, 102; deaths, 15.
City—				
Saigon.....	May 9-15.....	2	1	
Do.....	Aug. 21-27.....	1	1	
Province—				
Anam.....	Jan. 1-31.....	35		January, 1920: Cases, 16; deaths, 3.
Cambodia.....	do.....	21	3	January, 1920: Cases, 139; deaths, 54.
Cochin China.....	do.....	19	12	January, 1920: Cases, 8; deaths, 1.
Tonkin.....	do.....	27		January, 1920: Cases, 224; deaths, 43.
Italy:				
Catania.....				Province: June 6-20, 1921: Cases, 5.
Do.....	July 18-Aug. 14.....			In Province: Cases, 7.
Genoa.....	Apr. 1-May 31.....	11		
Do.....	July 4-10.....	2		
Messina.....	May 23-June 26.....	2	1	
Do.....	July 11-17.....	1		In Province, July 4-17, 1921: Cases, 9.
Palermo.....	May 18-June 21.....	7	1	
Milan.....	Apr. 1-30.....	2		
Do.....	June 29-July 19.....	3		
Japan:				
Kobe.....	May 24-June 26.....	3		
Nagasaki.....	May 23-June 26.....	6	1	
Taiwan Island.....	July 1-10.....	1		

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

**Reports Received from July 2 to Nov. 4, 1921—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Java:</b>				
East Java—				
Surabaya	June 19-25	2		
Do.	July 10-Aug. 20	10	1	
West Java—				
Bandceng	May 27-June 3	1		
Do.	July 8-21	1		
Batavia	May 6-June 23	17	15	
Do.	July 1-Sept. 1	106	40	
Buitenzorg.	Apr. 29-June 23	16		
Do.	July 22-Aug. 4	2	1	
Garcet	May 6-12	1		
Do.	July 8-Aug. 4	4		
Krawang.	Apr. 29-June 30	33	5	
Do.	July 22-Aug. 4	14	2	
Lebak	Apr. 29-May 26	12	1	
Pandeglang	June 3-30	2	1	
Do.	July 8-14	1		
Jugoslavia				Mar. 14-May 13, 1921: Cases, 334; deaths, 83. June 27-July 10, 1921: Cases, 111; deaths, 27.
<b>Mesopotamia:</b>				
Bagdad	Apr. 1-May 31	3	1	
<b>Mexico:</b>				
Chihuahua	May 23-June 27		3	
Do.	Oct. 3-16		4	
Guadalajara	June 1-30	3		
Do.	July 1-Sept. 30	13	3	
Mexico City	May 15-June 25	246		Including municipalities in Federal District.
Do.	June 28-Sept. 3	204		Do.
San Luis Potosi	July 17-Oct. 15		3	
Tampico	July 11-20	1		
Torreon	Sept. 1-30	2		
Vera Cruz	June 13-19		1	
Do.	July 11-Sept. 11		3	
<b>Newfoundland:</b>				
Tilton	Aug. 20-26	3		
<b>Panama</b>				
Canal Zone	Apr. 1-May 31	2		Jan. 1-Sept. 19, 1921: Cases, 205, of which 33 were nonresidents.
Colon	Jan. 1-May 31	111		
Do.	Aug. 30	1		From the interior.
Panama	Feb. 1-June 30	54		Sept. 4-19; 1 from interior.
Do.	July 1-Sept. 19	4		
<b>Poland</b>				
District—				
Bialystok	Mar. 1-Apr. 30	3		
Cracovia	do.	56	6	
Kielce	do.	180	26	
Leopol	do.	52	16	
Lodz	do.	72	9	
Lublin	do.	397	30	
Posen	do.	26	2	
Silesia	do.	10		
Stani lawow	do.	30	5	
Tarnopol	do.	156	31	
Warsaw	do.	36	4	
Warsaw City	do.	90	13	
<b>Portugal:</b>				
Lisbon	May 15-June 25		34	
Do	June 26-Sept. 17	33	3	
Oporto	June 19-25	1		
Do	Sept. 11-17	1		
<b>Portuguese East Africa:</b>				
Lourenco Marques	May 8-28	8		
Do	July 10-Sept. 10	14	4	
<b>Rumania:</b>				
District—				
Hotin	Apr. 1-30	40	9	
Orthei	Mar. 1-31	2		

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

**Reports Received from July 2 to Nov. 4, 1921—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Province—				
Estonia.....	Apr. 1-June 30....	9		
Do.....	July 1-Aug. 30....	55		
Latvia.....	Apr. 1-May 31....	41		
Do.....	July 1-31.....	12		
Siberia—				
Vladivostok.....	June 1-30.....	1		
Serbia.....				Mar. 21-May 21: Cases, 205; deaths, 41.
Belgrade.....	Aug. 7-20.....	2	1	
Senegal:				
Dakar.....	May 1-31.....	1	1	
Spain:				
Barcelona.....	May 12-June 22....		13	
Do.....	July 7-Sept. 28....		10	
Huelva.....	July 1-31.....		2	
Madrid.....	June 1-30.....	2		
Do.....	Aug. 1-31.....		1	
Malaga.....	May 1-June 30....		57	
Do.....	July 1-Aug. 31....		57	
Tarragona.....	May 9-15.....		1	
Valencia.....	May 22-28.....	1		
Do.....	July 2-Aug. 20....	9	2	
Straits Settlements:				
Singapore.....	June 12-18.....	1		
Do.....	July 10-Aug. 27....	7	3	
Switzerland:				
Basel.....	Sept. 11-Oct. 1....	5		
Zurich.....	May 28-June 11....	10		
Do.....	July 3-Sept. 2....	4		
Syria:				Present.
Aleppo.....	Apr. 9-16.....			
Beirut.....	May 10-30.....	1	1	
Do.....	Aug. 8-14.....	1	1	
Tunis:				
Tunis.....	May 30-June 17....	2	3	
Do.....	July 2-Sept. 30....	14	11	
Turkey:				
Constantinople.....	June 12-25.....	5		
Do.....	June 26-Sept. 24....	9		
Union of South Africa.....				January-April, 1921: Cases (white), 18; deaths, 1. Cases (native), 192; deaths, 5. May 1-31, 1921: Cases, 65; deaths, 3, all natives. June 1-30, 1921: Cases, 61, of which 1 white. July 1-31, 1921: Natives—Cases, 129; deaths, 2. White—1 case. Aug. 28-Sept. 3, outbreaks in Cape Province, Orange Free State, and Transvaal.
Cape Province.....	Apr. 24-June 25....			Fresh outbreaks.
Do.....	July 1-Aug. 27....	118		
Natal.....	Apr. 21-June 25....			Do.
Do.....	July 1-Aug. 27....	1		Do.
Durban.....	Aug. 7-27.....	3		Stated to have been imported.
Orange Free State.....	May 29-June 25....			Outbreaks.
Do.....	Aug. 21-27.....			Present.
Southern Rhodesia.....	July 14-Aug. 31....	52	19	
Transvaal.....	May 22-June 18....			Do.
Do.....	July 1-31.....	11		
Johannesburg.....	do.....	2		
Do.....	Sept. 1-10.....	32	11	District.
On vessels:				
Steamship Craster Hall.....				Arrived Mobile, Ala., Oct. 8, 1921, from Buenos Aires, Rio de Janeiro, and Barbados. One case in crew removed at Barbados, Sept. 28, 1921.
Steamship Niagara.....	June 1.....	1		At Sydney, Australia, from Vancouver via Fiji and New Zealand.

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Algeria:</b>				
Algiers.....	May 1-June 30.....	109	25	
Do.....	July 1-Aug. 31.....	22	7	
Oran.....	May 22-June 30.....	35	28	
Do.....	July 1-Sept. 10.....	15	13	
<b>Asia Minor:</b>				
Smyrna.....	June 12-18.....	1		In district.
Do.....	Aug. 28-Sept. 3.....	1		
<b>Bolivia:</b>				
La Paz.....	Apr. 1-June 30.....	50	51	
Do.....	July 1-31.....	19	3	
<b>Brazil:</b>				
Bahia.....	June 19-25.....	1	1	
Do.....	Aug. 7-13.....	1	1	
Porto Alegre.....	June 19-25.....		3	
Do.....	Aug. 7-13.....		1	
<b>Canary Islands:</b>				
Teneriffe.....	Aug. 14-Sept. 10.....		2	
<b>Chile:</b>				
Concepcion.....	Apr. 12-June 20.....		8	July 25-Aug. 29, 1921: In hospital,
Do.....	July 12-Sept. 5.....		14	30 cases; in city, estimated, 100
				cases.
Los Angeles.....	July 26-Aug. 8.....			Prevalent.
Valparaiso.....	Mar. 27-May 28.....		4	
Do.....	June 28-Sept. 10.....		3	
<b>China:</b>				
Antung.....	May 30-June 5.....	1		
Do.....	June 27-Sept. 11.....	10		
Hankow.....	May 22-June 11.....	3		
<b>Manchuria—</b>				
Harbin.....	May 23-29.....	1		
Do.....	July 4-10.....	1		
<b>Chosen (Korea):</b>				
Chemulpo.....	June 1-30.....	2		
Fusan.....	May 1-31.....	1		
Gensan.....	May 1-June 30.....	4		
Seoul.....	May 1-31.....	1		
<b>Cuba:</b>				
Matanzas.....	Oct. 4-10.....	1		
<b>Czechoslovakia:</b>				
Prague.....	June 5-26.....	5	2	
<b>Egypt:</b>				
Alexandria.....	May 21-June 23.....	21	8	
Do.....	June 24-Sept. 30.....	47	18	
Cairo.....	Mar. 19-June 24.....	235	102	
Do.....	June 24-Aug. 5.....	58	32	
Port Said.....	Apr. 2-May 13.....	8	2	
Finland.....	May 1-15.....	5		
<b>Germany:</b>				
Hamburg.....	May 27-June 4.....	1		Apr. 24-June 4, 1921: Cases, 7.
<b>Great Britain:</b>				
Dublin.....	May 29-June 4.....	1		
<b>Greece:</b>				
Saloniki.....	May 23-June 26.....	21	6	
Do.....	June 27-Aug. 14.....	1	2	
<b>Guatemala:</b>				
Guatemala City.....	July 1-Sept. 30.....		2	
<b>Hungary:</b>				
				Jan. 1-July 13, 1921: Cases, 71; occurring in 4 counties.
<b>Italy:</b>				
Messina (Province).....	Aug. 29-Sept. 4.....	2		In 2 localities.
<b>Japan:</b>				
Nagasaki.....	May 23-June 5.....	7	2	
<b>Jugoslavia:</b>				
Belgrade.....	May 1-14.....	6		Jan. 30-May 14, 1921: Cases, 288;
Zagreb.....	June 19-25.....	3		deaths, 40; June 27-July 10,
Do.....	July 10-Sept. 3.....	37	4	1921: Cases, 23; deaths, 7.
<b>Mesopotamia:</b>				
Bagdad.....	May 1-31.....	1	3	
<b>Mexico:</b>				
Mexico City.....	May 15-June 25.....	102		Including municipalities in Fed-
Do.....	June 26-Sept. 3.....	148		eral District.
Saltillo.....	Oct. 2-8.....		1	
San Luis Potosi.....	July 31-Aug. 6.....			Present.

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Morocco:				
Spanish Zone.....				Reported present in epidemic form Sept. 29, 1921.
Poland.....				Mar. 1-Apr. 30, 1921: Cases, 11,489; deaths, 1,131.
District—				
Bialystok.....	Mar. 1-Apr. 30.....	853	45	
Cracovia.....	do.....	603	90	
Kielce.....	do.....	848	62	
Leopol.....	do.....	2,508	277	
Podz.....	do.....	521	53	
Lublin.....	do.....	1,446	83	
Posen.....	do.....	77	5	
Silisia.....	do.....	26	.....	In Teschen.
Stanislawow.....	do.....	1,557	232	
Tarnopol.....	do.....	1,855	194	
Warsaw.....	do.....	972	61	
Warsaw city.....	do.....	223	29	
Portugal:				
Oporto.....	July 12-Aug. 20.....	2	.....	
Rumania:				
District—				
Hotin.....	Apr. 1-30.....	107	10	
Kishinev.....	Apr. 1-June 30.....	89	.....	
Do.....	July 1-31.....	11	.....	District.
Orhei.....	Mar. 1-May 30.....	146	.....	
Russia:				
Province—				
Esthonia.....	Apr. 1-June 30.....	113	.....	
Do.....	July 1-Aug. 31.....	56	.....	
Latvia.....	Apr. 1-June 30.....	599	.....	
Do.....	July 1-31.....	52	.....	
Siberia—				
Vladivostok.....	Mar. 1-June 30.....	5	3	
Do.....	July 1-31.....	4	3	
Serbia.....				Mar. 24-May 21, 1921: Cases, 70; deaths, 7.
Spain:				
Madrid.....	May 1-June 30.....	3	2	
Do.....	July 1-31.....	1	3	
Syria:				
Beirut.....	May 20-June 10.....	1	1	
Tunis:				
Tunis.....	June 11-17.....	.....	3	
Do.....	July 30-Sept. 9.....	.....	2	
Turkey:				
Constantinople.....	May 22-June 18.....	11	.....	
Do.....	June 28-Sept. 24.....	43	2	
Union of South Africa.....				January-April, 1921: Cases (white), 34; deaths, 2. Cases (native), 3,376; deaths, 437. June 1-30, 1921: Cases, 738; deaths, 66. July 1-31, 1921: Native—cases, 868; deaths, 121. White—cases, 15; deaths, 2. Orange Free State and Natal: Cases, 25; deaths, 10. Apr. 24-June 25, 1921: Outbreaks; May 1-31, 1921: Cases, 542; deaths, 51. July 1-31, 1921: Cases, 883; deaths, 123. At native cantonment in vicinity.
Cape Province.....				
Capetown.....	May 13-19.....	10	3	
East London.....	May 22-June 18.....	1	1	
Do.....	Aug. 21-27.....	1	.....	
Port Elizabeth.....	Aug. 7-20.....	7	.....	
Natal.....	July 10-Aug. 27.....	.....	.....	Outbreaks.
Orange Free State.....				Apr. 24-May 23, 1921: Outbreaks.
Do.....	July 10-Sept. 3.....	.....	.....	Outbreaks.
Transvaal—				
Johannesburg.....	Sept. 4-10.....	.....	.....	Outbreaks in surrounding country.
Venezuela:				
Maracaibo.....	June 21-27.....	.....	1	
On vessel:				
Steamship Norden.....	Aug. 18.....	1	.....	At Marcus Hook Quarantine, Pa., from Tampico, Mexico, via Nuevitas, Cuba.

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

Reports Received from July 2 to Nov. 4, 1921—Continued.

### YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
British Honduras:				
Belize.....	Aug. 22-Oct. 1....	17	6	
Mexico:				
Alamo.....	June 1-30.....	10		State of Vera Cruz.
Do.....	July 19.....	4	1	
Barra de Penn.....	July 17-23.....	1	1	Do.
Casamalcapam.....	do.....	3	1	Do.
El Dorado.....	Oct. 7.....			Present. Sept. 25-Oct. 2, 1921, deaths, 40. Oct. 2, deaths, 5.
Manzanillo.....				June 1-Sept. 30, 1921: Cases, 19; deaths, 10.
Do.....	Oct. 7.....			Present.
Mazatlan.....	do.....			Do.
Playa Obispo.....	Aug. 23.....	4		Territory of Quintana Roo.
Tampico.....	July 11-17.....	3	2	State of Tamaulipas.
Tierra Blanca.....	Sept. 19.....	1		Case arrived at Vera Cruz on steamship Monterey from Progreso, Mexico.
Tlacoalpan.....	Sept. 25.....			Present.
Tuxpam.....	July 25-Oct. 14....	2	1	State of Vera Cruz. Oct. 15: Several cases present in vicinity.
Vera Cruz.....	June 13-27.....	7		Do.
Do.....	July 25-Sept. 25....	6	4	Do.
Zapotal.....	July 14.....	1	1	Do.
Peru:				
Department—				
Callao—				
Callao.....	Apr. 1-30.....	1		At quarantine station. From Chiclayo.
Lambayeque—				
Chiclayo.....	Mar. 1-June 15.....	47	18	
Chongollape.....	Mar. 1-Apr. 30.....	12	3	
Ferrenafe.....	Mar. 1-31.....		1	
Jayanca.....	Apr. 1-30.....	5	2	
Lambayeque.....	Mar. 1-Apr. 30.....	20	7	
Monsefu.....	Mar. 1-June 15.....	29	9	
Motupe.....	Mar. 1-Apr. 30.....	46	12	
Olmos.....	Apr. 1-30.....	2	4	
Pacora.....	June 1-15.....	1		
Pomalca.....	Mar. 1-31.....	5	1	
Villa Eten.....	Mar. 1-Apr. 30.....	7	1	
Zana.....	Apr. 1-30.....	1		
Libertad—				
Casa Grande.....	June 1-15.....	1		On farm.
Guadalupe.....	Apr. 1-30.....	2		
Montesecco.....	July 16-31.....	1		
Pacanga.....	June 1-30.....	2	2	
Pacasmayo.....	July 1-15.....	1		
Paijan.....	June 1-30.....	13	7	
Do.....	July 1-15.....	1		
Pueblo Nuevo.....	Apr. 1-30.....	1	1	
Trujillo.....	Apr. 1-June 15.....	2	2	Country.
On vessels:				
Barge J. S. McGaughy.....	Oct. 6.....	1		At quarantine station, Pensacola, Fla., from Tampico, Mexico, Sept. 30.
Steamship Lurline.....	Aug. 13-27.....	2	1	At Mazatlan, Mexico, from Manzanillo, Mexico (Public Health Reports, Sept. 16, 1921, p. 2292).
Steamship Monterey.....	Sept. 18.....	1		At Vera Cruz from Progreso, Mexico, Sept. 15, 1921. Patient went to Tierra Blanca.
Steamship Washington.....	Aug. 29.....	1		At Mazatlan, Mexico.