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STREAM POLLUTION BY WASTES FROM BY-PRODUCT COKE OVENS

A Review, With Special Reference to Methods of Disposal

By R. D. LEITCH, Associate Chemical Engineer, U. S. Bureau of Mines

The discharging of wastes from highly specialized chemical processes has given rise to a large number of polluting materials that are harmful or disagreeable. Wastes such as those from by-product coke ovens and gas works stand out at present as being of importance.

EFFECT OF POLLUTION

It has been shown that phenol is responsible for trouble experienced by a great number of municipalities the source of the drinking water of which is, or has been, streams containing these wastes (45, 82).¹ While it is not known whether habitual consumption of drinking water so contaminated presents any health hazard in itself, the fact remains that as small an amount of phenol as 1 in 10,000,000 parts of water gives a noticeable medicinal taste to water (45), and, after chlorination, some observers have been able to detect the taste in a dilution as high as 1 in 750,000,000 (82). It is generally admitted that a proportion of 1 in 50,000,000 renders water unfit for drinking purposes (52, 60). Since chlorination is the method now commonly used for treatment by water companies, and since it intensifies rather than obscures the objectionable taste, the temptation is great to reduce the proper amount of chlorine for bacteriological purification, to do away with it entirely for greater or less lengths of time, or to substitute other and often less efficient methods (32, 69, 70).

Shelford (58), Wells (59), Forbes and Richardson (57), and others found that small amounts of gas-house wastes will not only kill fish exposed to them in streams, but that fish react positively to these wastes—that is, they swim toward the polluting source rather than away from it, and thus into higher concentrations. In some streams and rivers the result has been an economic loss (53), not only to the fishing industry but to municipalities which have been forced to abandon existing sources of supply or expend large sums of money in studying and developing new processes of treatment and equipment for the same (30).

¹ The numbers in the text refer to corresponding numbers in the bibliography.

EXTENT OF POLLUTION

According to information gathered by a committee of the American Water Works Association in 1921, there are 250 water supplies widely distributed in the United States and Canada that are affected by industrial wastes. About 100 of these cases of pollution are caused by acid mine drainage, leaving approximately 150 for all other sources of pollution. At a conference of State health officers and manufacturers held in 1924 it was stated that on the Ohio River watershed 19 plants producing phenol wastes were polluting 25 water supplies, and that 31 towns and cities in the district had already reported trouble from these wastes and approximately 25 more were potentially liable to have trouble from the same sources (70, H. R. Crohurst).

SOURCES OF POLLUTION

Figures for the volumes of phenol wastes are not easily determined. In 1923, more than 55,000,000 net tons of coke were produced; and of this amount about 37,000,000 tons were from by-product ovens. Some of these plants dispose of the wastes by quenching the coke (70); but if we assume 250 gallons per ton, which seems a fair estimate, there are more than 38,000,000 tons of still wastes to be disposed of annually. It may be estimated that only 60 to 75 per cent of this total is being run into streams, as some of the largest coke producers are utilizing the wastes for coke quenching. On January 1, 1924, there were 709 ovens under construction, of which 541 were as additions to existing plants and the remainder divided among seven small new plants. These additions will increase coke production in 1924 by about 4,500,000 tons, making the total for 1924 approximately 60,000,000 tons, and the total from by-product ovens about 40,000,000 tons.

METHODS OF DISPOSAL

There are several methods of disposing of phenol wastes at present being utilized, and while not by any means ideal they offer partial solutions of the problem.

The use of these wastes for coke quenching is the most common method of disposal, and, when applicable, is the most certain method, i. e., evaporation.

Recirculation has also been found adequate in various gas works as well as systems of skimmers, settling basins, and filters (40, 72, 73).

The Milwaukee Sewerage Commission has found (45) that phenol wastes may be easily disposed of, at least in amounts not exceeding 2 per cent by volume of the total sewage, by admitting these wastes to municipal sewage, when the activated sludge method of disposal is in operation. Comparatively little work has been done toward

determining the maximum percentage that can be taken care of in this manner; but it is thought that a volume of 10 per cent or even more may be satisfactorily handled (45, 85).

The Bradford Road Gas Works, Manchester, England, as early as 1908-1914 successfully disposed of these wastes, for six years, at least, by using the bacterial filter. An improved design (74) has had apparent success on a laboratory scale, as it ran satisfactorily and continuously for a year and was functioning as well at the end of that time as at the beginning. The method in principle is the same as that in the activated sludge sewage disposal plants, i. e., it consists in the oxidizing action of certain bacteria on organic substances. A filter of peat or other humus material is mixed with coke to prevent packing, activated sludge or manure is added to plant the bacteria, and a mixture of clean water and still wastes, in the proportion of 85 per cent or 90 per cent water and the remainder waste, is allowed to trickle slowly through the filter bed. The phenol bodies are oxidized and 10 to 15 per cent of the clear effluent is discarded and a like amount of fresh still waste is added for make-up to be recirculated. The operation is continuous and is said to be very satisfactory (35).

A German patent (78) claims, in addition to successful operation, a recovery of the contained phenols in salable form. This method consists in passing the still wastes through acid resins obtained in the purification of benzol, agitating the resulting liquor with benzol in a washer containing two-thirds benzol and one-third wastes, by which the phenol dissolves in benzol. The phenol-free waste is then drawn off, caustic soda solution is pumped into the washer, and the mixture again agitated. The phenol soda is formed and drawn off, while the benzol may be used over again. The phenol-soda solution is used in chemical plants in the manufacture of tar paints for rust proofing.

Other processes have been patented (79, 80, 81) based on reduction by carbon monoxide or sulphur dioxide, with and without the use of catalyzers, and ozonization, but no evidence is apparent indicating their commercial use. So far as is known the three methods previously outlined are the most feasible, exclusive of coke quenching.

COST OF SYSTEMS

Since there are no known installations of the types mentioned in commercial operation in this country, we can only make estimates of the costs of the different methods.

When the amount does not exceed 2 per cent of the total and the activated sludge method is used, addition to municipal sewage is, of course, the cheapest method and means only the cost of piping to the nearest sewer.

The bacterial filter is estimated to cost about \$15,000 for a capacity of 20,000 gallons of still wastes per day; but doubling the capacity will not double this cost by any means.

In spite of the fact that the cost of disposal by coke-quenching is estimated by the largest by-product coke company in the world (70) to be \$60,000 per year for repairs and replacement of equipment destroyed by corrosive gases resulting from this method of disposal, it is still the cheapest method now available per ton of coke produced. Its use may be limited, however, to those plants manufacturing coke for industrial rather than domestic use. In the latter case the appearance of the coke and the odors from it hinder its sale to a very great extent (70, page 12, Mr. Marquard; page 19, Mr. Critchfield).

Assuming that the patented methods of ozonization, reduction, etc., are successful, it is likely that their cost would exceed that of any of the others.

There are two general methods involving washing of the liquors with benzol, previously mentioned, and possibly others of the same classification that appear very promising, but no data are at present available to warrant any definite statement as to cost or efficiency in operation.

SUMMARY

(1) The discharge of phenol wastes into streams may create a serious public nuisance by the effect of these wastes upon municipal water supplies, fish, etc.

(2) In the absence of preventive measures this nuisance will tend to increase as a result of the expansion of the industry.

(3) Various methods have been more or less fully developed for preventing nuisance in the disposal of these wastes. They may not yield a profit to the industry, but are practicable at a cost that does not seem unduly burdensome.

(4) Unless one or two processes patented in Germany for phenol recovery by benzol scrubbing prove otherwise, coke-quenching seems to be the best and most efficient method for phenol-bearing waste disposal.

(5) At least one method of benzol scrubbing seems promising enough to be tried out on a practical scale.

(6) In view of the serious character of the nuisance resulting from the discharge of these wastes, it seems proper that industrial concerns should be required to keep them out of streams.

(7) There is some promise of the development of some methods now in the experimental stage which may enable manufacturers to achieve this result at less cost than at present.

ACKNOWLEDGMENTS

Acknowledgment is gratefully made for assistance and advice, to Dr. R. R. Sayers, Chief Surgeon, and Mr. A. C. Fieldner, Chief Chemist and Superintendent of the Pittsburgh experiment station of the Bureau of Mines, under whose direction these studies were conducted.

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STATE AND INSULAR HEALTH AUTHORITIES, 1925

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 1924 have been published in the Public Health Reports ¹ for the information of health officers and others interested in public-health activities. These directories have been compiled from information 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 "whole-time" health officer, that fact is indicated by an asterisk (*). For this purpose a "whole-time" health 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:

W. W. Brandon, governor, ex officio chairman, Montgomery.

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

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

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

W. S. Britt, Eufaula.

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

E. S. Sledge, M. D., Mobile.

A. N. Steele, M. D., Anniston.

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:

*W. T. Fales, Montgomery.

Laboratories of the State board of health:

General director—

*L. C. Havens, M. D., Montgomery.

*Sophie Dehler, assistant, Montgomery.

Anniston branch—

*B. F. Alexander, director, Anniston.

Birmingham branch—

*Geo. A. Denison, acting director, Birmingham.

Mobile branch—

*G. E. Davis, director, Mobile.

Tennessee Valley branch—

*A. J. Perollo, M. D. director, Albany.

Tuscaloosa branch—

*Katie Mae Wilson, director, Tuscaloosa.

State sanitary engineer:

*G. H. Hazelhurst, M. C. E., Montgomery.

Assistant sanitary engineers:

*H. G. Menke, B. C. E., Montgomery.

*C. C. Kiker, B. C. E., Montgomery.

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

*F. H. Downs, Montgomery.

Epidemiologists:

*C. N. Leach, M. D., acting director, Montgomery.

*K. F. Maxey, assistant surgeon, United States Public Health Service, Montgomery.

*D. G. Gill, malariologist, Montgomery.

County organization:

*D. L. Cannon, M. D., C. P. H., first director, Montgomery.

*B. F. Austin, M. D., second director, Albany.

*W. G. Smillie, M. D., I. H. B., third director, Andalusia.

Public health nursing:

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

*Francis Montgomery, assistant director, Montgomery.

Venereal disease control:

*W. C. Blasingame, director, Montgomery.

Inspection:

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

*T. B. S. Matthews, deputy inspector, Montgomery.

*H. J. Thrasher, deputy inspector, Montgomery.

*L. C. Frank, U. S. P. H. S., associate sanitary engineer, in charge of milk inspection, Montgomery.

*F. A. Clarke, D. V. M., milk inspector, Montgomery.

*U. D. Franklin, milk inspector, Montgomery.

Tuberculosis control:

*J. M. Graham, director, Montgomery.

¹ Reprints Nos. 83, 123, 190, 268, 344, 405, 488, 544, 605, 706, 775, 871, and 949, from the Public Health Reports.

Chief clerk:

*Bessie A. Tucker, Montgomery

Financial secretary:

*Adna Eley, Montgomery.

ALASKA**Board of health:**

George A. Parks, governor, Juneau.

Harry C. De Vigne, M. D., commissioner of health, Juneau.

Executive health officer:

Harry C. De Vigne, M. D., commissioner of health, Juneau.

Assistant commissioners of health:

Curtis Welch, M. D., Nome.

J. A. Sutherland, M. D., Fairbanks.

W. H. Chase, M. D., Cordova.

Appropriation for 1925-26, \$14,100.

ARIZONA**State board of health:**

George W. P. Hunt, governor, president, Phoenix.

John W. Murphy, attorney general, vice president, Phoenix.

F. T. Fahlen, M. D., secretary, Phoenix.

Executive health officer:

F. T. Fahlen, M. D., State superintendent of public health.

Executive secretary:

*Texana Lea Williams, Phoenix.

State registrar of vital statistics:

F. T. Fahlen, M. D., Phoenix.

Child hygiene division:

*Mrs. Charles R. Howe, director, Phoenix.

*Carolina Valenzuela, R. N., field nurse.

*J. Frances Ross, R. N., field nurse.

*Mary S. Keileher, R. N., field nurse.

State bureau of vital statistics:

*Mrs. Ruby L. Jacquemin, statistician, Phoenix.

Director State laboratory:

*Miss Jane H. Rider, Tucson.

Appropriations for fiscal year ending June 30, 1925:**State board of health—**

| | |
|------------------------|------------|
| Salaries..... | \$9,500.00 |
| Operating expense..... | 6,755.00 |
| Traveling expense..... | 2,800.00 |

State laboratory, Tucson—

| | |
|------------------------|----------|
| Salaries..... | 4,500.00 |
| Operating expense..... | 766.00 |
| Traveling expense..... | 334.00 |

Child hygiene division, Sheppard-Towner work—

| | |
|---------------------------------------|-----------|
| Salaries..... | 14,175.00 |
| Operating expense..... | 1,052.42 |
| Traveling expense..... | 4,280.00 |
| Unexpended balance of 1924 funds..... | 7,570.13 |

Total.....51,732.55

ARKANSAS**Board of health:**

E. H. Stevenson, M. D., president, Fort Smith.

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

A. S. Gregg, M. D., Fayetteville.

R. O. Norris, M. D., Tuckerman.

L. L. Marshall, M. D., Little Rock.

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

F. O. Mahoney, M. D., El Dorado.

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:

*H. V. Stewart, associate director, Little Rock.

Bureau of sanitation and malaria control:

*M. Z. Blair, chief sanitary engineer, Little Rock.

Bureau of venereal disease control:

*C. W. Garrison, M. D., director, Little Rock.

Bureau of child hygiene:

*Margaret Koenig, M. D., associate director, Little Rock.

Appropriations for biennial period ending June 30, 1925:

| | |
|---|----------|
| Executive department, salaries and miscellaneous..... | \$27,800 |
| Bureau of vital statistics..... | 30,800 |
| Payment local registrars..... | 30,000 |
| Bureau of venereal disease control..... | 25,000 |
| Malaria control..... | 10,000 |
| Bureau of sanitation..... | 16,600 |
| Bureau of child hygiene..... | 12,000 |
| Hygienic laboratory..... | 18,400 |
| Total..... | 180,600 |

CALIFORNIA**Board of health:**

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

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

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

A. J. Scott, Jr., M. D., Los Angeles.

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

Adelaide Brown, M. D., San Francisco.

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

Executive health officer:

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

*Daniel H. Blood, assistant to secretary, Sacramento.

Epidemiologist:

*Charles H. Halliday, M. D., Berkeley.

District health officers:

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

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

Sanitary inspector:

*Edward T. Ross, Sacramento.

Bureau of vital statistics:

*L. E. Ross, director, Sacramento.

Bureau of registration nurses:

*Anne C. Jamme, R. N., director, San Francisco.

Bureau of tuberculosis:

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

Bureau of food and drugs:**Bureau of communicable diseases:**

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

Bureau of sanitary engineering:

*C. G. Gillespie, C. E., director, Berkeley.

Bureau of child hygiene:

*Ellen S. Stadtmuller, M. D., director, San Francisco.

Appropriations for biennial period ending June 30, 1927:

| | |
|-------------------------------------|-----------------|
| Administration— | |
| Salaries..... | \$316, 085 |
| Support..... | 132, 885 |
| Nurses' bureau— | |
| Salaries..... | 24, 360 |
| Support..... | 9, 820 |
| Tuberculosis (office)— | |
| Salaries..... | 24, 000 |
| Support..... | 21, 000 |
| Tuberculosis (subsides)..... | 400, 000 |
| Total..... | 928, 150 |

Other sources of revenue:

Fees for registration of nurses, \$15 each.
Renewal of registration certificates, \$1 per year.
Licensing of cold-storage warehouses, rated according to capacity.

Fines for violation of pure food and drugs act
Fees for certified copies of records.

Publications issued by health department:

Biennial report.
Weekly bulletin.

COLORADO**Board of health:**

Charles W. Thompson, M. D., president, Pueblo.

J. M. Barney, M. D., vice president, Denver.

S. R. McKelvey, M. D., secretary, Denver.

Tracy R. Love, M. D., Denver.

M. Ethel V. Fraser, M. D., Denver.

Ralph M. Jones, D. O., Denver.

Sherman Williams, M. D., Denver.

A. W. Scott, Fort Collins.

H. C. Homer, M. D., Cheyenne Wells.

Executive health officer:

*S. R. McKelvey, M. D., secretary State board of health, Denver.

Bacteriologist:

*William C. Mitchell, M. D., Denver.

Medical inspector:

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

State food and drug commissioner:

*S. H. Loeb, Denver.

Division of venereal diseases:

*S. R. McKelvey, M. D., Director, Denver.

Division of sanitary engineering:

*Dana E. Kepner, director, Denver.

Appropriations for fiscal year ending Nov. 30, 1925:

| | |
|--------------------------------|--------------------|
| Salaries..... | \$16, 766. 60 |
| Detention-home fund..... | 12, 500 |
| Laboratory equipment..... | 750. 00 |
| Printing and publications..... | 1, 250 |
| Traveling expenses..... | 4, 800 |
| Samples and supplies..... | 600 |
| Sanitary engineering..... | 7, 000. 00 |
| Venereal diseases..... | 20, 000 |
| Incidental expenses..... | 1, 000. 00 |
| Total..... | 64, 666. 60 |

CONNECTICUT**Public health council:**

Edward K. Root, M. D.

S. B. Overlock, M. D.

C.-E. A. Winslow, D. P. H.

James W. Knox.

Edward P. Jones.

James A. Newlands.

Executive health officer:

*Stanley H. Osborn, M. D., C. P. H., commissioner of health, Hartford.

Bureau of preventable diseases:

*Millard Knowlton, M. D., C. P. H., director.

Bureau of vital statistics:

*William C. Welling, director.

Bureau of public health nursing:

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

Bureau of child hygiene:

*A. Elizabeth Ingraham, M. D.

Bureau of public health instruction:

*Elizabeth C. Nickerson, C. P. H.

Bureau of laboratories:

*F. Lee Mickle, director.

Bureau of sanitary engineering:

*Warren J. Scott, director.

Division of venereal diseases:

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

Division of mental hygiene:

H. A. Bancroft, M. D.

Appropriations for fiscal year ending June 30, 1926:

| | |
|--|-----------------|
| General administrative expenses..... | \$17, 500 |
| Salary, commissioner..... | 6, 000 |
| Purchase and free distribution of | |
| antitoxin..... | 25, 000 |
| Preventable diseases..... | 17, 500 |
| Vital statistics..... | 20, 000 |
| Sanitary engineering..... | 22, 500 |
| Laboratory..... | 42, 300 |
| Child hygiene..... | 32, 500 |
| Public health nursing..... | 10, 000 |
| Venereal-disease control work..... | 12, 500 |
| Mental hygiene..... | 5, 000 |
| Total..... | 210, 800 |

Publications issued by health department:

Weekly bulletin.

Monthly bulletin.

Annual vital statistics report.

Annual report of State department of health.

Miscellaneous pamphlets.

DELAWARE**State board of health:**

William P. Orr, M. D., president, Lewes.

Mrs. Charles Warner, vice president, Wilmington.

Robert E. Ellegood, M. D., State Road.

Margaret I. Handy, M. D., Wilmington.

Mrs. Julia Ashbrook, Wilmington.

Mrs. Harlan I. Huston, secretary, Seaford.

W. P. Pierce, M. D., Milford.

Executive health officer:

*Arthur T. Davis, M. D., Dover.

Pathologist and bacteriologist:

*Roland D. Herdman, Dover.

Tuberculosis:

*Lawrence D. Phillips, M. D., Dover.

¹ To be closed Oct. 1, 1925.

Supervisor of nurses:

*Marie T. Lockwood, R. N., Middletown.

Sanitary Engineer:

*Richard C. Beckett, Dover.

Superintendent of Brandywine Sanatorium:

*Seth Hurdle, M. D., Marshallton.

Superintendent of Edgewood Sanatorium:

*Elizabeth Van Vranken, R. N., Marshallton.

Appropriations for each fiscal year ending June 30, 1926, and June 30, 1927:

| | |
|--|----------|
| General administration..... | \$8, 500 |
| Vital statistics..... | 2, 000 |
| Venereal disease..... | 2, 000 |
| Pathological and bacteriological laboratory..... | 9, 000 |
| Diphtheria antitoxin..... | 3, 000 |
| Child welfare..... | 25, 000 |
| Tuberculosis..... | 20, 000 |
| Brandywine sanatorium for white patients..... | 40, 000 |
| Edgewood sanatorium for colored patients..... | 12, 000 |
| Total..... | 121, 500 |

DISTRICT OF COLUMBIA

Executive health officer:

*William C. Fowler, M. D., health officer, Washington.

Assistant health officer:

*Rowland H. Ford, M. D., Washington.

Chief clerk and deputy health officer:

*Arthur G. Cole, Washington.

Chief bureau of preventable diseases and director bacteriological laboratory:

*James G. Cumming, M. D., Washington.

Bacteriologist:

*John E. Noble, Washington.

Serologist:

*Jesse P. Porch, D. V. M., 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, 1926:

| | |
|--|------------|
| Salaries..... | \$135, 000 |
| Prevention of communicable diseases..... | 39, 260 |
| Disinfecting service..... | 5, 880 |
| Isolation wards at hospitals..... | 20, 000 |
| Milk and food inspection and regulation..... | 7, 782 |
| Dispensary service, including treatment of tuberculosis and venereal diseases..... | 14, 500 |
| Maintaining a child hygienic service.. | 25, 000 |
| Miscellaneous..... | 8, 940 |
| Total..... | 256, 362 |

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:

Chas. H. Mann, president, Jacksonville.

H. Mason Smith, M. D., Tampa.

W. D. Nobles, M. D., Pensacola.

Executive health officer:

*B. L. Arms, M. D., State health officer, Jacksonville.

Bureau of vital statistics:

*Stuart G. Thompson, D. P. H., director, Jacksonville.

Bureau of sanitary engineering:

*E. L. Filby, director, Jacksonville.

Bureau of communicable disease:

*F. A. Brink, M. D., director, Jacksonville.

Bureau of child welfare and public health nursing:

*Mrs. Laurie Jean Reid, R. N., director, Jacksonville.

Appropriation for health department:

One-half mill tax levied upon the assessable property of the State.

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.

Florida health notes.

Annual reports.

GEORGIA

Board of health:

Robert F. Maddox, president, Atlanta.

James H. McDuffie, M. D., vice president, Columbus.

T. F. Abercrombie, M. D., secretary, Atlanta.

Charles H. Richardson, M. D., Macon.

A. D. Little, M. D., Thomasville.

John W. Daniel, M. D., Savannah.

W. I. Hailey, M. D., Hartwell.

Fred D. Patterson, M. D., Cuthbert.

John A. Rhodes, M. D., Crawfordville.

A. C. Shamblin, M. D., Rome.

C. R. Brice, D. D. S., Gainesville.

A. A. Lawry, D. D. S., Valdosta.

M. S. Brown, M. D., Fort Valley.

F. A. Land, 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:

*T. F. Abercrombie, M. D., acting director.

Division of laboratories:

*T. F. Sellers, director, Atlanta.

Division of sanitary engineering:

*H. C. Woodfall, director, Atlanta.

*L. M. Clarkson, assistant sanitary engineer.

Division of serology:

*E. L. Webb, director, Atlanta.

State tuberculosis sanatorium:

*Edson W. Glidden 2d, M. D., superintendent, Alto.

Bureau of vital statistics:

*W. A. Davis, M. D., director, Atlanta.

Division of child hygiene:

*Joe P. Bowdoin, M. D., director, Atlanta.

*Anne L. Gallagher, supervisor of nurses.

Georgia training school for mental defectives:

*R. W. Todd, M. D., acting superintendent.

Division of accounting and purchasing:

*C. L. Tinsley, director, Atlanta.

Appropriations for the fiscal year ending Dec. 31, 1924:

| | |
|--|----------|
| General appropriation..... | \$81,431 |
| Venereal-disease control..... | 10,000 |
| Maternity and infant hygiene..... | 5,000 |
| State tuberculosis sanatorium..... | 50,000 |
| Georgia training school for mental defectives..... | 25,000 |

Total appropriation by legislature..... 171,431

Maternity and infancy (Federal Government funds, fiscal year ending June 30, 1924)..... 27,290

Central administration, county health work (International Health Board funds)..... 1,680

Central administration, malaria control (International Health Board funds)..... 5,900

Field studies in malaria control, Leesburg, Ga. (International Health Board funds)..... 9,120

Grand total..... 215,421

Special appropriation for construction and equipment of State tuberculosis sanatorium, Alto, Ga., year 1924, \$250,000; year 1925, \$250,000; total, \$500,000.

HAWAII**Board of health:**

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

J. A. Matthewman, attorney general, Honolulu.

P. Withington, M. D., Honolulu.

D. S. Bowman, Honolulu.

J. D. McVeigh, Honolulu.

J. Ordenstein, Honolulu.

George Denison, 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., physician, 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:

*A. B. Eckerdt, M. D., superintendent, Honolulu.

Lepers settlement:

*R. L. Cooke, superintendent. Kalaupapa, Molokai.

*H. K. Marshall, M. D., physician, Kalaupapa, Molokai.

Chief sanitary inspector, Hawaii:

*C. Charlock, Hilo.

Chief sanitary inspector, Maui:

*R. C. Lane, Wailuku.

Chief sanitary inspector, Kauai:

*F. B. Cook, Waimea.

Appropriations, 1923-1925:**Board of health—**

| | |
|--|----------|
| Salary, president..... | \$12,000 |
| Salary, public health officer..... | 8,400 |
| Salary, secretary..... | 6,600 |
| Salaries, office employees..... | 22,200 |
| Expenses, office..... | 10,200 |
| Expenses, board of medical examiners..... | 200 |
| Revision public health laws and sanitary code..... | 1,200 |

Bureau of vital statistics—

| | |
|---|-------|
| Salary, registrar general..... | 5,400 |
| Salaries, deputies and clerks..... | 9,000 |
| Salary, registrar, Honolulu..... | 3,600 |
| Expenses, office registrar general..... | 7,000 |
| Expenses, office registrar, Honolulu..... | 600 |

Printing vital statistics, 1921-1923..... 1,600

Purchase of equipment..... 700

Bureau of sanitary engineering—

| | |
|--------------------------------|-------|
| Salary, sanitary engineer..... | 9,600 |
| Salary, draftsman..... | 3,600 |
| Expenses..... | 2,400 |

Sanitation—

Salary, chief sanitary inspector, Oahu..... 6,000

Salaries, clerks, sanitary and mosquito inspectors, Oahu..... 66,720

Salary, chief sanitary inspector, Hawaii..... 9,000

Salaries, sanitary inspectors and clerks, Hawaii..... 34,800

Salary, chief sanitary inspector, Maui..... 5,400

Salary, chief sanitary inspector, Kauai..... 5,400

Sanitary expenses, Territory..... 21,600

Salaries and expenses, plague campaign..... 60,000

Expenses, mosquito campaign..... 5,400

Pure food and drug bureau—

Salaries..... 18,300

Expenses and assistants..... 4,200

Bacteriological bureau—

Salary, bacteriologist and pathologist..... 6,000

Expenses and assistants..... 3,000

Government physicians—

Salaries..... 58,800

Hawaii..... 27,240

Maui..... 13,800

Kauai..... 8,160

Oahu..... 9,600

(Provided, however, that no salary shall be allowed or paid unless physicians employed or appointed in the several districts shall treat the indigent sick free of charge in such district or districts, as the case may be.)

Medical supplies for schools..... 5,000

Appropriations, 1923-1925—Continued.

Quarantine and medical service—

| | |
|---------------|----------|
| Salaries..... | \$22,200 |
| Expenses..... | 31,200 |

Quarantine stations—

| | |
|--|--------|
| Repairs, maintenance, equipment, and salaries, Honolulu..... | 17,500 |
| Repairs, maintenance, equipment, and salaries, Hilo..... | |

Care of lepers and their children—

KALAUPAPA

| | |
|--|--------|
| Salary, superintendent..... | 11,400 |
| Salary, physician..... | 10,800 |
| Salary, dentist (not prorated)..... | 8,100 |
| Eye treatment (not prorated)..... | 2,500 |
| Salaries, assistants and attendants, Bishop Home and Baldwin Home..... | 9,000 |
| Salaries, sheriff and police..... | 4,800 |
| Allowance, patients..... | 37,050 |
| Allowance, needy blind patients, extra \$5 per month..... | 4,800 |
| Transfer buildings, Kalawao to Kalaupapa..... | 12,000 |
| Construction, roads..... | 3,600 |

KALIHI HOSPITAL

| | |
|----------------------------------|--------|
| Salary, matron..... | 4,200 |
| Salary, officer for lepers..... | 4,200 |
| New buildings and equipment..... | 19,800 |
| Automobile truck..... | 1,000 |

KALAUPAPA AND KALIHI

| | |
|--|---------|
| Wages, nurses, laborers, attendants, and mechanic..... | 112,850 |
| Expenses, segregation hospitals and maintenance..... | 298,000 |
| Medical supplies and equipment..... | 26,344 |
| Amusements..... | 3,000 |
| Incidentals..... | 2,000 |

KAPOLANI GIRLS' HOME

| | |
|------------------|--------|
| Salaries..... | 12,840 |
| Maintenance..... | 27,500 |

KALIHI BOYS' HOME

| | |
|---|---------|
| Salaries..... | 15,600 |
| Maintenance..... | 21,000 |
| Repairs, segregation hospital, Hilo..... | 2,000 |
| Prevention and cure of tuberculosis— | |
| Salaries..... | 81,360 |
| Expenses, including purchase of automobiles..... | 48,648 |
| Purchase and installation of X-ray machine..... | 3,500 |
| Cure and treatment of tubercular patients in sanitariums..... | 288,768 |
| Oahu, Leahi Home..... | 126,000 |
| Maui, Kula Sanitarium..... | 60,000 |
| Kauai, Samuel Mahelona Memorial Hospital..... | 48,000 |
| Hawaii, Puumale Home..... | 54,768 |
| Improvements, Puumale Home..... | 7,200 |

Appropriations, 1923-1925—Continued.

Insane asylum—

| | |
|---|---------|
| Salary, superintendent..... | \$8,400 |
| Pay roll..... | 166,116 |
| Maintenance..... | 99,300 |
| New buildings for female patients..... | 20,000 |
| Amusements..... | 600 |
| Upkeep and repairs to buildings..... | 5,500 |
| Compensation to patients for labor..... | 600 |
| Dental supplies..... | 600 |

Sanitarium—

| | |
|--------------------------|--------|
| Salaries, employees..... | 19,680 |
| Maintenance..... | 15,800 |

Venereal disease clinic—

| | |
|-------------------------------------|--------|
| Salaries..... | 10,800 |
| Expenses..... | 4,200 |
| Insuring and protecting radium..... | 1,000 |
| Purchase of radium..... | 2,500 |

Total..... 1,923,776

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 adviser.
- *E. H. Bramhall, bacteriologist.
- *William Vernon Leonard, 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 December 31, 1925:

| | |
|-------------------------------|----------|
| Salaries and wages..... | \$44,640 |
| Other expense..... | 13,205 |
| Venereal disease control..... | 6,200 |
| Total..... | 64,045 |

ILLINOIS

Board of public health advisors:

- T. D. Doan, M. D., president.
- Herman N. Bundesen, M. D., secretary.
- W. A. Evans, M. D.
- E. P. Sloan, M. D.
- Mrs. E. N. Monroe.

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:

- *Edith B. Lowry, M. D., superintendent.

Division of tuberculosis:

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

Division of laboratories:

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

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:

*Arch Lewis, superintendent.

Appropriations for biennial period ending June 30, 1927:

| | |
|---------------------------------------|-------------|
| Salaries..... | \$648, 730 |
| Salaries State officers..... | 30, 400 |
| Office expenses..... | 21, 030 |
| Traveling expenses..... | 123, 600 |
| Operating, supplies and expenses..... | 188, 076 |
| Equipment and repairs..... | 28, 101 |
| Contingent..... | 27, 700 |
| Printing..... | 45, 000 |
| Postage..... | 17, 250 |
| Pasteurization of milk..... | 5, 000 |
| Rabies..... | 4, 000 |
| Total..... | 1, 138, 887 |

Publications issued by health department:

Illinois Health News (monthly).

Weekly press bulletin.

INDIANA

Board of health:

John H. Green, M. D., president, North

Vernon.

T. Victor Keene, M. D., vice president, Indianapolis.

Homer C. Haas, M. D., Peru.

James A. Turner, M. D., Nashville.

William F. King, M. D., secretary, Indianapolis.

Executive health officer:

*William F. King, M. D., State health commissioner, Indianapolis.

Assistant State health commissioner:

*J. G. Royse, M. D., Indianapolis.

Division of vital statistics:

*H. M. Wright, director, Indianapolis.

Laboratory of hygiene:

*Thurman B. Rice, M. D., director, Indianapolis.

Division of food and drugs:

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

Milk laboratory:

*Frank C. Wilson, director, Indianapolis.

Water and sewage laboratory:

*B. H. Jeup, acting sanitary engineer, Indianapolis.

Division of child hygiene:

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

Division of communicable diseases:

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

*Arthur L. Oilar, M. D., epidemiologist, Indianapolis.

Division of venereal diseases:

*J. G. Royse, M. D., director, Indianapolis.

Division of school hygiene:

*H. R. Condney, director, Indianapolis.

Division of housing:

*A. E. Wert, director, Indianapolis.

Department of public health nursing:

*Isabel Glover, R. N., director, Indianapolis.

Appropriations for fiscal year ending September 30, 1925. \$170,000.

IOWA

Board of health:

H. L. Saylor, M. D., president, Des Moines.

John Hammill, LL. B., governor, Des Moines.

W. C. Ramsay, secretary of State, Des Moines.

J. C. McClune, LL. B., auditor of State, Des Moines.

R. E. Johnson, treasurer of State, Des Moines.

M. G. Thornburg, secretary of agriculture, Des Moines.

Don M. Griswold, M. D., D. P. H., Des Moines.

E. M. Williams, M. D., Oskaloosa.

C. W. Stewart, M. D., Washington.

H. E. Sugg, M. D., Clinton.

W. D. Hayes, C. D. H., Sioux City.

Executive health officers:

*Don M. Griswold, M. D., D. P. H., State health commissioner, Des Moines.

Director division of examinations:

*H. W. Grefe, Des Moines.

Chief clerk:

*L. V. Clemens, Des Moines.

Laboratories:

*Don M. Griswold, M. D., D. P. H., director, Iowa City.

Sanitary engineer:

*Hans V. Pedersen, Des Moines.

Appropriations for fiscal year ending June 30, 1926:

State department of health work..... \$17, 350

Bacteriological laboratory..... 15, 000

Antitoxin department..... 2, 000

Salaries of employees..... 44, 060

Total..... 78, 410

Housing department, vital statistics, and social hygiene combined in State department of health appropriation.

(The above includes special appropriation for clerical assistance.)

Publications issued by health department:

Biennial report.

Quarterly bulletin.

KANSAS

Board of health:

Clarence A. McGuire, M. D., president, Topeka.

Earle G. Brown, M. D., secretary, Topeka.

Walter A. Carr, M. D., Junction City.

Arthur E. Hertzler, M. D., Halstead.

John H. Henson, M. D., Mound Valley.

Addison Kendall, M. D., Great Bend.

Clay E. Coburn, M. D., Kansas City.

Arthur J. Anderson, M. D., Lawrence.

V. C. Eddy, M. D., Colby.

Walter J. Eilerts, M. D., Eldorado.

Thomas Amory Lee, attorney, Topeka.

Executive health officer:

Earle G. Brown, M. D., secretary State board of health, Topeka.

Division of vital statistics:

Burt E. Brown, State registrar.

Division of communicable diseases:

C. H. Kinnaman, M. D., epidemiologist, Topeka.

Division of foods and drugs:

Thomas I. Dalton, assistant chief food and drug inspector, Topeka.

Division of child hygiene:

J. C. Montgomery, M. D., chief, Topeka.

Division of rural sanitation:

J. C. Montgomery, M. D., director, Topeka.

Division of water and sewage:

Ernest Boyce, chief, Lawrence.

Division of public health education:

Earle G. Brown, M. D., director, Topeka.

Division of venereal diseases:

Earle G. Brown, M. D., director, Topeka.

Water and sewage laboratories at Kansas University:

Ernest Boyce, director, Lawrence.

Food laboratory at Kansas University:

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

Drug laboratory at Kansas University:

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

Food laboratory at Kansas Agricultural College:

Prof. H. H. King, director of food analysis, Manhattan.

Public health laboratory, Topeka.

Earle G. Brown, M. D., acting director, Topeka.

Appropriations for fiscal year ending June 30, 1926:

| | |
|--|----------|
| Salaries..... | \$20,700 |
| Miscellaneous..... | 3,500 |
| Water and sewage division..... | 3,000 |
| Free distribution of antitoxins, etc..... | 3,500 |
| Public health laboratory, and the department of division of venereal disease control; distribution of arsenamine (606) to the indigent poor of the State; assistance and maintenance of clinics..... | 10,000 |
| Division of child hygiene..... | 5,000 |
| Division of food and drugs..... | 6,000 |
| Total..... | 51,700 |

Other sources of revenue:

Marriage fees, approximately \$20,000.

Water and ice analysis 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:

Quarterly bulletin.

Biennial report.

KENTUCKY

Board of health:

Joseph E. Wells, M. D., president, Cynthiana.

A. T. McCormack, M. D., secretary, Louisville.

R. Julian Estill, M. D., Lexington

V. A. Stilley, M. D., Benton.

Board of health—Continued.

George T. Fuller, M. D., Mayfield.

H. H. Carter, D. O., Shelbyville.

George S. Coon, M. D., Louisville.

J. W. Kinsaid, M. D., Catlettsburg.

Executive health officer:

*A. T. McCormack, M. D., D. P. H., State health officer, 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, C. E., director, Louisville.

Bureau of food, drugs, and hotels:

*Sarah Vance Dugan, 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:

*Margaret East, R. N., director, Louisville.

Bureau of maternity and child health:

*Annie S. Veech, M. D., Louisville.

Bureau of prevention of trachoma and blindness:

*C. B. Kobert, M. D., director, Louisville.

*J. W. Duke, M. D., assistant, Louisville.

Bureau of public health education:

*Adelbert Thomas, educational secretary.

Bureau of county health work:

*P. E. Blackerby, M. D., director and assistant State health officer, Louisville.

Bureau of mental hygiene:

Frank O'Brien, Ph. D., director, Louisville.

State tuberculosis sanitarium:

*S. W. Bates, M. D., superintendent, Louisville.

Total income for fiscal year ending June 30, 1925, \$211,000.

Publications issued by health department:

Monthly bulletin.

LOUISIANA

Board of health:

Oscar Dowling, M. D., Shreveport, president.

T. T. Tarlton, M. D., Grand Coteau, vice president.

Miss Fannie B. Nelken, secretary.

Fred Ratzburg, D. D. S., Shreveport.

E. S. Matthews, M. D., Bunkie.

Mrs. L. C. McVoy, Baton Rouge.

M. P. Boebinger, M. D., New Orleans.

A. O. Hoefeld, M. D., New Orleans.

T. E. Wright, M. D., Monroe.

T. J. Labbe, St. Martinville.

Executive health officer:

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

Bacteriologist:

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

Registrar:

J. E. Doussan, M. D., New Orleans.

Sanitary engineer:

*John H. O'Neill, New Orleans.

Child hygiene:

*Agnes Morris, director, New Orleans.

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

Food and drug commissioner:

*E. S. Kelly, M. D., New Orleans.

Analyst:

*J. Roy Keeny, Phar. D., New Orleans.

Bureau of research and information:*Leonard C. Scott, acting assistant surgeon.
U. S. P. H. S., New Orleans.**Bureau of public health administration:**

*K. E. Miller, surgeon, U. S. P. H. S., New Orleans.

Medical entomologist:

*George E. Beyer, New Orleans.

Appropriations for fiscal year ending June

30, 1924..... \$75,000

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:**

C. F. Kendall, M. D., chairman, Augusta.

Hiram Ricker, South Portland.

H. A. Kelley, D. D. S., Portland.

Miss Annie Peabody, Portland.

J. G. Towne, M. D., Waterville.

O. R. Emerson, M. D., Newport.

Executive health officer:

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

Division of administration:

*C. F. Kendall, M. D., Augusta.

Division of communicable diseases:

*A. G. Young, M. D., director, Augusta.

Division of laboratories:

*Walter C. Nelson, Ph. D., Augusta.

Division of sanitary engineering:

*Elmer W. Campbell, D. P. H., Augusta.

Division of vital statistics:

*C. F. Kendall, M. D., State registrar, Augusta.

Division of social hygiene:

*George H. Coombs, M. D., director, Augusta.

Division of public health nursing and child hygiene:

*Edith L. Soule, R. N., Augusta.

Division of dental hygiene:

*Dorothy Bryant, D. H., Augusta.

District health officers:

*J. L. Pepper, M. D., South Portland.

*E. P. Goodrich, M. D., Lewiston.

*H. D. Worth, M. D., Bangor.

*G. H. Hutchins, M. D., Waterville.

*L. W. Hadley, M. D., Machias.

*G. E. Parsons, M. D., Rockland.

Appropriations for fiscal year ending June

30, 1925:

Salaries and clerk hire..... \$33,000

Office expense and epidemic fund.... 20,000

District and local health officers..... 38,000

Venereal-disease control work..... 14,000

Maternity and child-welfare work.... 10,000

Branch State laboratory, Caribou... 2,000

Total..... 117,000

Other sources of revenue:

Census Bureau, Washington, D. C., about \$800.

Publications issued by the department of health:

Annual report on vital statistics.

MARYLAND**Board of health:**

John S. Fulton, M. D., chairman, Baltimore.

William H. Welch, M. D., Baltimore.

Thomas H. Robinson, attorney general, Baltimore.

William W. Ford, M. D., Baltimore.

C. Hampson Jones, M. D., Baltimore

Tolley A. Biays, Baltimore.

Benjamin C. Perry, M. D., Bethesda.

E. F. Kelly, Phar. D., Baltimore.

Executive health officer:

*John S. Fulton, M. D., director of health, Baltimore.

Division of legal administration:

*J. Davis Donovan, chief, Baltimore.

Division of public health education:

*Gertrude B. Knipp, chief, Baltimore.

Bureau of communicable diseases:

*Robert H. Riley, M. D., chief, Baltimore.

Bureau of vital statistics:

Frederic V. Beitler, 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:

*Abel Wolman, B. S. E., chief, Baltimore.

Bureau of chemistry:

*Wyatt W. Randall, Ph. D., chief, Baltimore.

Bureau of personnel and accounts:

*Walter N. Kirkman, chief, Baltimore.

Bureau of child hygiene:

*J. H. Mason Knox, jr., M. D., chief, Baltimore.

Appropriations for fiscal year ending Sept.

30, 1925:

Salaries..... \$221,600

Expenses..... 103,615

Total..... 325,215

Publications issued by health department:

Annual report.

Weekly News Letter.

MASSACHUSETTS**Public health council:**

Eugene R. Kelley, M. D., chairman, Boston.

Roger I. Lee, M. D., Boston.

Francis H. Lally, M. D., Milford.

Richard P. Strong, M. D., Boston.

Warren C. Jewett, Worcester.

Sylvester E. Ryan, M. D., Springfield.

James L. Tighe, Holyoke

Executive health officer:

*Eugene R. Kelley, M. D., State commissioner of public health, Boston.

Secretary:

*Frances L. McCloskey.

Division of administration:

(Under direction of secretary.)

Division of communicable diseases:

*George H. Bigelow, M. D., director, Boston.

Division of sanitary engineering:

*X. H. Goodnough, director and chief engineer, Boston.

Division of water and sewage laboratories:

*H. W. Clark, director and chemist, Boston.

Division of biologic laboratories:

*Benjamin White, Ph. D., director and pathologist, Boston.

Division of food and drugs:

*Herman C. Lythgoe, director and analyst, Boston.

Division of hygiene:

*Merrill E. Champion, M. D., director, Boston.

Division of tuberculosis sanatoria:

*Sumner H. Remick, M. D., director, Boston.

Appropriations for department of public health, 1925:

Division of administration—

| | |
|------------------------------------|---------|
| Salary of commissioner | \$7,500 |
| Personal services | 13,000 |
| Services other than personal | 8,500 |

Division of hygiene—

| | |
|--|--------|
| Personal services of director and assistants | 28,500 |
| Services other than personal | 18,300 |
| Personal services in connection with maternal and infant hygiene | 26,366 |
| Expenses in connection with maternal and infant hygiene | 10,725 |

Division of communicable diseases—

| | |
|---|--------|
| Personal services of director, district health officers, etc. | 53,530 |
| Services other than personal | 15,210 |
| Personal services in connection with control of venereal diseases | 10,300 |
| Expenses in connection with control of venereal diseases | 21,600 |

Manufacture and distribution of arspenamine—

| | |
|------------------------------------|-------|
| For personal services | 9,700 |
| Services other than personal | 6,400 |

Wassermann Laboratory—

| | |
|----------------------------------|--------|
| For personal services | 12,500 |
| For expenses of laboratory | 6,000 |

Antitoxin and vaccine lymph—

| | |
|-----------------------------|--------|
| For personal services | 43,200 |
| Other services | 34,500 |

Inspection of food and drugs—

| | |
|-----------------------------|--------|
| For personal services | 47,500 |
| Other services | 10,186 |

Water supply and disposal of sewage, engineering division—

| | |
|-----------------------------|--------|
| For personal services | 47,900 |
| For other services | 10,450 |

Water supply and disposal of sewage, division of water and sewage laboratories—

| | |
|-----------------------------|--------|
| For personal services | 33,000 |
| For other services | 7,700 |

State examiners of plumbers—

| | |
|--|-------|
| For personal services and expenses | 5,450 |
|--|-------|

Appropriations for department of public health, 1925—Continued.

Division of tuberculosis—

| | |
|--|----------|
| For personal services | \$33,450 |
| Services other than personal | 45,000 |
| For personal services of tuberculosis clinic units | 37,000 |
| Payment of subsidies | 173,000 |

For maintenance of and for certain improvements at the Lakeville, North Reading, Rutland, and Westfield State sanatoria

1,035,595

Total

1,812,062

MICHIGAN

Advisory council of health:

Guy L. Kiefer, M. D., president, Detroit.
C. C. Slemmons, M. D., Grand Rapids.
Leland W. Carr, Lansing.
Robert B. Harkness, M. D., Houghton.
Chalmers J. Lyons, D. D. Sc., Ann Arbor.

Executive health officer:

*Richard M. Olin, M. D., State health commissioner, Lansing.

Deputy health commissioner:

*George H. Ramsey, M. D., C. P. H., Lansing.

Bureau of engineering:

*E. D. Rich, C. E., director.
*William Hirn, C. E., assistant engineer.
*John M. Hepler, assistant engineer.
*Willard F. Shephard, B. S. E., assistant engineer.

*Raymond J. Faust, assistant engineer.

*Charles L. Orr, water inspector.

Bureau of laboratories:

*C. C. Young, Ph. D., D. P. H., director.
*Minna Crooks, R. N., bacteriologist.
*R. L. Kahn, immunologist.
*Pearl Kendrick, assistant immunologist.
*Margret Taylor, assistant bacteriologist.
*E. F. Eldridge, chemist.
*Max Marshall, Ph. D., research bacteriologist.
*A. B. Haw, clinical pathologist.
*Chas. L. Bliss, toxicologist.
*W. W. Redfern, assistant bacteriologist.

Bureau of child hygiene and public health nursing:

*Lillian R. Smith, M. D., director.
*Iva M. Lickly, M. D., epidemiologist.
*Helen de Spelder Moore, R. N., assistant director.

Bureau of records and statistics:

*W. J. V. Deacon, M. D., director.

Bureau of institutional health administration:

*W. B. Huntley, M. D., director.
*C. V. Spawr, M. D., acting director.
*James H. McCall, M. D., physician.
*Alexander Borland, M. D., physician.
*Geo. H. Steel, D. D. S., dentist.
*Leroy F. Hill, D. D. S., dentist.
*A. S. Rowley, M. D., psychiatrist.
*Florence Dizard, nutrition worker.

Bureau of education:

*Marjorie Delavan, director.
*Frank A. Poole, M. D., lecturer.
*Juliet Bell, assistant director.
*Melita Hutzel, lecturer.

Bureau of embalming:

*F. J. Pienta, director.

Bureau of epidemiology:

*George H. Ramsey, M. D., C. P. H., director.

*E. L. Rose, M. D., clinician.

*C. H. Benning, M. D., medical inspector.

*Paul F. Orr, M. D., medical inspector.

Appropriations for fiscal year ending June 30, 1925:

| | |
|---------------------------|-----------|
| Personal service..... | \$175,000 |
| Supplies..... | 34,000 |
| Contractual service..... | 31,000 |
| Fixed charges..... | 26,000 |
| Outlay for equipment..... | 4,936 |

| | |
|------------|---------|
| Total..... | 270,936 |
|------------|---------|

Institutional health—

Personal service..... 25,400

Supplies..... 500

Traveling expense..... 3,000

Outlay for equipment..... 1,000

| | |
|------------|--------|
| Total..... | 29,900 |
|------------|--------|

Antitoxin operation..... 67,500

Child hygiene and public health nursing..... 30,000

| | |
|------------------|---------|
| Grand total..... | 398,336 |
|------------------|---------|

Publications issued by health department:

Monthly bulletin.

Annual report.

Communicable disease pamphlets.

Sex hygiene pamphlets.

Child hygiene pamphlets.

Engineering bulletins.

MINNESOTA**Board of health:**

C. L. Scofield, M. D., president, Benson.

S. Marx White, M. D., vice president, Minneapolis.

N. M. Watson, M. D., Red Lake Falls.

N. G. Mortensen, M. D., St. Paul.

L. P. Wolff, C. E., St. Paul.

O. F. Mellby, M. D., Thief River Falls.

R. C. Hunt, M. D., Fairmont.

H. R. Weirick, M. D., Hibbing.

J. A. Thabes, M. D., Brainerd.

Executive health officer, Capitol, St. Paul:

*A. J. Chesley, M. D., secretary and executive officer.

*Hortense Hilbert, R. N., educational agent.

Division of records, Capitol, St. Paul:

*O. C. Pierson, director.

Division of hotel inspection, Capitol, St. Paul:

*W. A. Wittbecker, State hotel inspector.

Division of preventable diseases, university campus, Minneapolis:

*O. McDaniel, M. D., director.

*E. M. Wade, chief of laboratories.

Division of sanitation, university campus, Minneapolis:

*H. A. Whittaker, director.

Division of vital statistics, Capitol, St. Paul:

*Gerda C. Pierson, director.

Division of venereal diseases, university campus, Minneapolis:

H. G. Irvine, M. D., director.

Division of child hygiene, university campus, Minneapolis:

*Ruth E. Boynton, M. D., director.

*Ruth Houlton, R. N., superintendent of public health nursing.

Appropriations for fiscal year ending June 30, 1925:

| | |
|---|----------|
| General fund..... | \$20,000 |
| Vital statistics..... | 15,000 |
| Hotel inspection..... | 36,800 |
| Preventable diseases..... | 25,000 |
| Preventable diseases laboratory..... | 32,000 |
| Sanitary engineering laboratory..... | 13,000 |
| Sanitary engineering..... | 7,000 |
| Free antitoxin..... | 15,000 |
| Prevention of blindness..... | 1,000 |
| Venereal diseases..... | 30,000 |
| Protection for maternity and infancy..... | 21,000 |

| | |
|------------|---------|
| Total..... | 215,800 |
|------------|---------|

Other sources of revenue:

Aid from county and city for branch laboratory at Duluth..... 1,416

Sheppard-Towner aid, \$21,000; \$5,000 (gift)..... 26,000

Publications issued by health department:

Educational pamphlets.

Biennial report.

MISSISSIPPI**Board of health:**

W. W. Crawford, M. D., president, Hattiesburg.

F. J. Underwood, M. D., secretary, Jackson.

J. P. Wall, M. D., Jackson.

J. J. Haralson, M. D., Forest.

S. E. Eason, M. D., New Albany.

L. B. Austin, M. D., Rosedale.

J. W. Lipscomb, M. D., Columbus.

T. W. Holmes, M. D., Winona.

J. M. Dampeer, M. D., Crystal Springs.

W. H. Watson, M. D., Brandon.

E. M. Gavin, M. D., Ovett.

Ira B. Seale, M. D., Holly Springs.

A. J. Brown, M. D., Clarksdale.

Executive health officer:

*F. J. Underwood, M. D., executive officer, State board of health, Jackson.

Bureau of vital statistics:

*R. N. Whitfield, M. D., director, Jackson.

Bureau of child hygiene and public health nursing:

*F. J. Underwood, M. D., acting director, Jackson.

*Mary D. Osborne, R. N., supervisor, public health nursing, Jackson.

*Gladys Eyrick, supervisor oral hygiene.

Hygienic laboratory:

*T. W. Kemmerer, M. D., director, Jackson.

Bureau of sanitary engineering and inspection:

*H. A. Kroeze, C. E., director, Jackson.

*I. L. Lyons, inspector, Hattiesburg.

*Thos. Townsend, Winona.

Bureau of rural sanitation:

- *C. C. Applewhite, M. D., director, Jackson.
- *C. M. Shipp, M. D., epidemiologist in charge of malaria-control work, Jackson.

Bureau of venereal diseases:

- *Hardie Hayes, M. D., director, Jackson.

Appropriations for fiscal year ending Dec. 31, 1924:

| | |
|---------------------------------|----------------|
| Administrative office..... | \$20,700 |
| Bureau of vital statistics..... | 12,000 |
| Municipal sanitation..... | 10,800 |
| Rural sanitation..... | 24,300 |
| Hygienic laboratory..... | 20,000 |
| Child welfare..... | 27,000 |
| Venereal diseases..... | 10,000 |
| Total..... | 124,800 |

Publications issued by health department:

Biennial report.

Weekly health letters published in all newspapers of the State.

MISSOURI**Board of health:**

- Emmett P. North, M. D., president, St. Louis.
- J. R. McVay, M. D., vice president, Kansas City.
- James Stewart, M. D., secretary, Jefferson City.
- Herman Gove, M. D., Linn.
- T. H. Wilcoxon, M. D., Bowling Green.
- Homer L. Kerr, M. D., Crane.

Executive health officer:

- *James Stewart, M. D., State health commissioner, Jefferson City.

Bureau of vital statistics:

- G. A. Theilman, statistician, Jefferson City

Division of Child Hygiene:

- *Irl Brown Krause, M. D., director, Jefferson City.

Division of rural sanitation:

- *Joseph Mountin, M. D., director, Jefferson City.

Division of venereal diseases:

- *R. L. Russell, M. D., director, Jefferson City.

Division for the control of contagious diseases:

- *Ross Hopkins, M. D., assistant epidemiologist, Jefferson City.

Division of sanitary engineering:

- *George W. Putnam, director, Jefferson City.
- R. L. Laybourn, bacteriologist, Jefferson City.

Appropriations for biennial period ending Dec. 31, 1926:

| | |
|--|----------------|
| Board of health fund, bureau of license..... | \$20,000 |
| Salaries..... | 85,800 |
| Contingent expense..... | 36,000 |
| Cooperative health work..... | 100,000 |
| Control of contagion..... | 50,000 |
| Total..... | 291,800 |

Of the above appropriation \$70,000 is being withheld by the Governor until State revenues are sufficient for a release.

MONTANA**Board of health:**

- E. G. Balsam, M. D., president, Billings.
- L. H. Fligman, M. D., vice president, Helena.
- E. M. Porter, M. D., Great Falls.
- B. L. Pampel, M. D., Livingston.
- George M. Jennings, M. D., Missoula.

Executive health officer:

- *W. F. Cogswell, M. D., secretary, Helena.

Division of communicable diseases:

- *W. F. Cogswell, M. D., director.

Division of child welfare:

- *Hazel Dell Bonness, M. D., director, Helena.
- Frances Sage Bradley, M. D., acting director, Helena.

Division of food and drugs:

- *Glenn D. Wiles, director, Helena.

Division of statistics:

- *W. F. Cogswell, M. D., State registrar, Helena.

- *L. L. Benepe, deputy State registrar, Helena.

Division of water and sewage:

- *H. B. Foote, director, Helena.
- W. M. Cobleigh, consultant, Bozeman.
- *H. D. Cashmore, analyst, Helena.

Food and drug laboratory:

- *Glenn D. Wiles, director, Helena.
- W. M. Cobleigh, consultant, Bozeman.

Hygienic laboratory:

- *John X. Newman, director, Helena.

Appropriations for the year ending June 30, 1924:

(Appropriations for salaries and expenses of State board of health are made in lump sum. The budget given is tentative and not arbitrarily fixed. Unexpended sums of one division may be diverted to other divisions when deemed necessary.)

General administration:

| | |
|--|------------------|
| Salaries..... | \$6,800.00 |
| Expenses..... | 1,910.00 |
| Division of child welfare..... | 8,701.92 |
| Hygienic laboratory..... | 6,900.00 |
| Inspection of water plants..... | 4,000.00 |
| Food and water laboratory..... | 3,325.00 |
| Enforcing food and drugs law..... | 4,650.00 |
| Division of communicable diseases..... | 4,425.00 |
| Division of vital statistics..... | 2,975.00 |
| Board of entomology (Rocky Mountain spotted fever work)..... | 14,228.00 |
| Total..... | 57,914.92 |

Other sources of revenue:

- Rockefeller Foundation..... 4,000.00
- Fees for embalmers' licenses.

Publication issued by health department:

- Special bulletins on communicable diseases.
- Biennial report.

NEBRASKA**Department of public welfare:**

- Lincoln Frost, secretary, Lincoln.

Bureau of health—**Executive health officer—**

- *W. H. Wilson, M. D., Lincoln.

Acting epidemiologist—

- *P. H. Bartholomew, M. D.

Bacteriologist—

- *Lila B. Love, Lincoln.

Division of venereal diseases—

- *P. H. Bartholomew, M. D., director, Lincoln.

Statistician—

- *Hattie M. Summers, Lincoln.

Division of child hygiene—

- *Louise M. Murphy, R. N., director, 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, 1925:

| | |
|------------------|----------|
| Salaries..... | \$45,000 |
| Maintenance..... | 23,000 |
| Total..... | 68,000 |

NEVADA

State board of health:

James G. Scrugham, governor, president,
Carson City.
S. L. Lee, M. D., secretary, Carson City.
W. G. Greathouse, secretary of state.
W. H. Hood, M. D., Reno.
Henry Albert, M. D., Reno.

Executive health officer:

*S. L. Lee, M. D., secretary State board of health, Carson City.

State hygienic laboratory at State University:

*Henry Albert, M. D., director, Reno.

Appropriation for fiscal year ending Dec. 31, 1924:

| | |
|----------------------------|---------|
| Salary of secretary..... | \$5,000 |
| State board of health..... | 3,800 |

Total..... 8,800

Publications issued by health department:

Biennial report.
Special bulletins.

NEW HAMPSHIRE

Board of health:

Robert Fletcher, C. E., president, Hanover.
D. E. Sullivan, M. D., Concord.
George C. Wilkins M. D., Manchester.
Sibley G. Morrill, M. D., Concord.
John G. Winant, governor.
Jeremy M. Waldron, attorney general, Lancaster.

Executive health officer:

Charles Duncan, M. D., secretary State board of health, Concord.

Laboratory of hygiene:

*Charles D. Howard, chemist, Concord.
William R. McLeod, bacteriologist, Concord.
*Joseph X. Duval, inspector, Concord.
Robert Fletcher, C. E., engineer, Hanover.

Bacteriological laboratory:

H. N. Kingsford, M. D., pathologist, Hanover.

Veneral disease division:

*Charles A. Weaver, M. D., Manchester.

Appropriations for fiscal year ending June 30, 1925:

| | |
|----------------------------|----------|
| State board of health..... | \$28,650 |
| Laboratory of hygiene..... | 18,300 |
| Vital statistics..... | 5,300 |

Total..... 52,250

Publications issued by health department:

Bulletin.
Biennial report.

NEW JERSEY

Board of health:

Clyde Potts, C. E., president, Morristown.
David D. Chandler, vice president, Newark.
H. E. Winter, V. M. D., Plainfield.
J. Oliver McDonald, M. D., Trenton.
Harold J. Harder, C. E., Paterson.
Henry Spence, M. D., Jersey City.
Mrs. James E. Van Horne, Trenton.

Board of health—Continued.

Miss Margaret McNaughton, Jersey City.
J. E. H. Guthrie, D. D. S., Newark.
J. Lynn Mahaffey, M. D., Camden.

Executive health officer:

*Henry B. Costill, M. D., director of health, Trenton.

Bureau of bacteriology:

*John V. Mulcahy, chief, Trenton.

Bureau of chemistry:

*John E. Bacon, chief, Trenton.

Bureau of administration:

*Charles J. Merrell, chief, Trenton.

Bureau of food and drugs:

*Walter W. Scofield, 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 or venereal disease control:

A. J. Casselman, M. D., consultant, Trenton.

Appropriations for fiscal year ending June 30, 1926:

| | |
|------------------------------|-----------|
| Salaries..... | \$156,920 |
| Miscellaneous..... | 72,300 |
| Child hygiene..... | 65,000 |
| Veneral disease control..... | 25,000 |
| Tuberculosis..... | 10,000 |

Total..... 329,220

Publications issued by health department:

Monthly bulletin.
Annual report.

NEW MEXICO

Board of public welfare:

Dr. R. O. Brown, chairman, Santa Fe.
Mrs. Francis S. Wilson, secretary, Santa Fe.
Mrs. C. C. Meacham, Albuquerque.
Mr. Joseph Gill, Albuquerque.
Dr. H. A. Miller, Clovis.

Executive health officer:

*G. S. Luckett, M. D., director of public health, Santa Fe.

Division of preventable diseases:

*G. S. Luckett, M. D., chief, Santa Fe.

Division of vital statistics:

*P. M. Ruleau, chief, Santa Fe.

Division of sanitary engineering and sanitation:

*Paul S. Fox, M. S., in C. E., chief, Santa Fe.

Division of public health nursing and child hygiene:

*Dorothy R. Anderson, R. N., Santa Fe.

Division of county health work:

*D. B. Williams, M. D., chief, Santa Fe.

Public health laboratory:

*Myrtle Greenfield, chief, Albuquerque.

Appropriation for years 1926 and 1927, per annum, \$24,500. Fiscal year ends July 1.

NEW YORK

Public health council:

Simon Flexner, M. D., LL. D., chairman, New York.
Homer Folks, LL. D., New York.
Henry N. Ogden, C. E., Ithaca.

Public health council—Continued.

Frederick F. Russell, M. D., New York.

Jacob Goldberg, M. D., Buffalo.

Stanton P. Hull, M. D., Petersburg.

Executive health officer:

*Mathias Nicoll, jr., M. D., commissioner of health, Albany.

Deputy commissioner of health:

*Paul B. Brooks, M. D., Albany.

Secretary:

*Edward H. Marsh, M. D.

Executive officer:

*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:

*Joseph V. De Porte, Ph. D., director, Albany.

Division of child hygiene:

*Florence L. McKay, M. D., director, Albany.

Division of communicable diseases:

*Edward S. Godfrey, M. D., director, Albany.

Division of tuberculosis:

*Robert Plunkett, M. D., director, Albany.

Division of venereal diseases:

*Albert Pfeiffer, M. D., director, Albany.

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, 1926.

| | |
|---|-----------|
| Personal service..... | \$708,700 |
| Maintenance and operation..... | 336,460 |
| Division of maternity, infancy, and child hygiene..... | 206,085 |
| For State aid to county laboratories.. | 75,000 |
| Construction of addition to laboratories and repairs..... | 40,000 |
| Investigation of oyster beds..... | 15,000 |
| Rehabilitation of physically disabled persons..... | 15,000 |
| State aid to county health activities.. | 38,725 |

Total..... 1,434,970

Other sources of revenue:

Fees from certified transcripts of birth, death, and marriage certificates, \$1,660 per annum.
 Licensing laboratories, \$380.
 Sale of serums, \$3,033.

Publications issued by health department:

Weekly Health News.

Monthly Vital Statistics Review.

NORTH CAROLINA

Board of health:

J. Howellway, M. D., president, Waynesville.

Richard H. Lewis, M. D., LL. D., Raleigh.

Thomas E. Anderson, M. D., Statesville.

A. J. Crowell, M. D., Charlotte.

Charles O'H. Laughinghouse, M. D., Greenville.

E. J. Tucker, D. D. S., Roxboro.

Cyrus Thompson, M. D., Jacksonville.

D. A. Stanton, M. D., High Point.

James P. Stowe, Ph. G., Charlotte.

Executive health officer:

G. M. Cooper, M. D., acting secretary State board of health and State health officer, Raleigh.

Laboratory of hygiene:

*C. A. Shore, M. D., director, Raleigh.

Deputy State registrar:

*F. M. Register, M. D., Raleigh.

Bureau of engineering and inspection:

*H. E. Miller, C. E., director, Raleigh.

Deputy State health officers:

*E. F. Long, M. D., western district, Raleigh.

*H. A. Taylor, M. D., eastern district.

Bureau of health education:

*M. L. Townsend, M. D., director, Raleigh.

Appropriations for fiscal year ending June 30, 1924:

| | |
|---|-------------|
| State board of health (executive office)..... | \$46,140.34 |
| Vital statistics..... | 20,000.00 |
| Laboratory of hygiene..... | 75,000.00 |
| School inspection..... | 60,000.00 |
| County health work..... | 121,600.00 |
| Epidemiology..... | 30,000.00 |
| Venereal-disease control work..... | |
| Maternity and infancy..... | 22,259.66 |
| Engineering and inspection..... | 50,000.00 |
| Total..... | 425,000.00 |

Other sources of revenue:

| | |
|--------------------------------------|------------|
| International Health Board..... | 23,300.00 |
| Federal Government..... | 32,706.63 |
| Counties, for county health work.... | 150,000.00 |
| Fees paid the laboratory..... | 23,000.00 |

Publications issued by health department:

Monthly bulletin—The Health Bulletin.

Special bulletins.

Biennial report.

Constructive Medicine—a monthly bulletin issued only to physicians.

NORTH DAKOTA

Advisory health council:

Minnie J. Nielson, superintendent public instruction, ex officio, Bismarck.

J. Grassick, M. D., president North Dakota Tuberculosis Association, ex officio, Grand Forks.

Arne Oftedal, M. D., Fargo.

Fannie Dunn Quain, M. D., Bismarck.

R. S. Towne, D. D. S., Bismarck.

Executive health officer:

*A. A. Whittemore, M. D., State health officer, Bismarck.

Child hygiene and public health nursing:

*Maysil M. Williams, M. D., director, Bismarck.

Bureau of venereal diseases:

*F. R. Smyth, acting assistant surgeon, U. S.

P. H. S., director, Bismarck

Appropriations for biennial period ending June 30, 1925:

| | |
|--|---------|
| Salaries— | |
| State health officer, per year..... | \$3,600 |
| Clerical assistants, per year..... | 6,200 |
| Maintenance..... | 4,575 |
| Maternity and child hygiene, per year.. | 1,500 |
| Appropriation for venereal disease work, per year..... | 4,200 |

OHIO**Public health council:**

John E. Monger, M. D., chairman, Columbus.
James E. Bauman, secretary.
G. D. Lummis, M. D.
C. O. Probst, M. D.
F. C. Croxton.
R. M. Calfee.

Executive health officer:

*John E. Monger, M. D., director of health,
Columbus.

Assistant director of health:

*James E. Bauman.

Division of administration:

*James E. Bauman, chief.

*C. A. Orrison, chief clerk.

Bureau of publicity—

*Paul Mason, director.

Bureau of local health organization—

*E. R. Shafer, M. D., chief.

Division of communicable diseases:

*C. P. Robbins, M. D., chief.

*T. W. Mahoney, M. D., chief epidemiologist.

Bureau of venereal diseases—

*C. P. Robbins, M. D., chief.

Bureau of trachoma clinics—

*R. B. Tate, M. D., chief.

Division of sanitary engineering:

*W. H. Dittoe, chief.

Bureau of plumbing inspection—

*A. A. Manchester, chief.

Division of laboratories:

*Fred Berry, chief.

Division of vital statistics:

*Irvin C. Plummer, chief.

Division of hygiene:

*R. G. Leland, M. D., chief.

Bureau of tuberculosis—

*J. A. Frank, M. D., chief.

Bureau of child hygiene—

_____, chief.

Bureau of hospitals—

*James A. Weis, chief.

Division of public health nursing:

*Zoe McCaleb, R. N., chief.

Division of industrial hygiene:

*Daniel J. Kindel, M. D., chief.

Appropriations for biennium ending June 30, 1926:

Personal service..... \$371,480

Maintenance..... 271,002

State aid for health districts..... 500,000

Total..... 1,142,482

Publications issued by health department:

Quarterly, Public Health Journal.

Semimonthly, Ohio Health News.

OKLAHOMA**Executive health officer:**

*Carl Puckett, M. D., State health commissioner, Oklahoma.

Assistant State health commissioner:

*J. P. Folan, Oklahoma.

Bureau of vital statistics:

*W. B. Dennis, registrar, Oklahoma.

Bureau of bacteriology:

Miss Rhea C. Ingle.

State chemist:

*Henry C. Ricks, M. D.

Bureau of child hygiene:

*Lucille Spire Blachly, M. D., director.

Bureau of venereal disease control:

*J. C. Mahr, M. D.

Bureau of sanitary engineering:

*H. J. Darcey, director, Oklahoma.

Appropriations for fiscal year ending June

30, 1925:

Salary of commissioner of health..... \$3,600.00

Salary of assistant commissioner of health..... 2,400.00

Salary of chief clerk..... 1,800.00

Salary of bookkeeper..... 2,000.00

Salaries, 3 stenographers (1 at \$1,800, 1 at \$1,500, 1 at \$1,200)..... 4,500.00

Contingent fund—administrative..... 10,000.00

Salary of director of publicity..... 2,400.00

Salary of stenographer..... 1,500.00

Contingent fund—public health education..... 1,000.00

Salary of State chemist..... 3,000.00

Salary of assistant State chemist..... 2,400.00

Salary of bacteriologist..... 3,000.00

Salary of assistant bacteriologist..... 2,400.00

Salary of record clerk..... 1,800.00

Contingent fund—laboratory..... 10,000.00

Salary of engineer..... 3,000.00

Contingent fund—sanitary engineering..... 1,800.00

Salary, 4 supervisors, \$2,400 each per annum..... 9,600.00

Hotel and traveling expenses, 4 supervisors..... 9,600.00

Salaries, 8 inspectors, \$1,800 each per annum..... 14,400.00

Contingent fund—sanitary inspection..... 14,400.00

Salary of registrar..... 2,400.00

Salary of assistant registrar..... 1,800.00

Salaries, 3 statistical clerks, \$1,500 each..... 4,500.00

Contingent—vital statistics..... 4,000.00

Contingent—bureau of control epidemics..... 15,000.00

Contingent—bureau distribution biologics..... 10,000.00

Contingent—bureau of venereal diseases..... 20,000.00

Bureau of child welfare..... 21,370.52

Total..... 183,670.52

OREGON**Board of health:**

C. M. Barbee, M. D., president, Portland.

W. T. Phy, M. D., vice president, Hot Lake.

Frederick D. Stricker, M. D., secretary and

State health officer, Portland.

J. H. Rosenberg, Prineville.

C. J. Smith, Portland.

W. B. Morse, Salem.

E. B. Pickel, Medford.

Executive health officer:

*Frederick D. Stricker, M. D., secretary and State health officer, Portland.

Registrar of vital statistics:

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

Division of child hygiene and public health nursing:

*Mrs. Glendora Blakely, R. N., Portland.

Director laboratory:

*William Levin, D. P. H., Portland.

Appropriations for fiscal year ending December 31, 1925, \$42,500.

Publications issued by health department:

Annual report.

Biennial report.

Pamphlets and posters.

Weekly letter.

PENNSYLVANIA**Department of health:****Advisory board—**

Edgar M. Green, M. D., Easton.

A. A. Cairns, M. D., City Hall, Philadelphia.

Samuel R. Haythorn, M. D., Pittsburgh.

Howard C. Frontz, M. D., Huntington.

Louis Taylor, M. D., Wilkes-Barre.

Charles F. Mebus, C. E., Philadelphia.

Executive health officer—

*Charles H. Miner, M. D., secretary of health, Harrisburg.

*William G. Turnbull, M. D., deputy secretary of health, Harrisburg.

Bureau of communicable diseases—

*J. Moore Campbell, M. D., Harrisburg.

Division of epidemiology—

*J. Moore Campbell, M. D., Harrisburg.

Division of tuberculosis clinics—

*Edgar T. Shields, M. D., Harrisburg.

Division of genito-urinary clinics—

*Edgar S. Everhart, M. D., Lemoyne.

Division of restaurant hygiene—

*Howard M. Haines, acting chief, Harrisburg.

Bureau of vital statistics—

*Wilmer R. Batt, M. D., Harrisburg.

Bureau of engineering—

*W. L. Stevenson, chief engineer, Harrisburg.

Division of sanitary engineering—

*H. E. Moses, Harrisburg.

Division of housing—

*H. F. Bronson, Harrisburg.

Division of milk control—

*Ralph E. Irwin, Camp Hill.

Bureau of tuberculosis sanatoria—**Mont Alto Sanatorium—**

*Royal H. McCutcheon, M. D., Mont Alto.

Cresson Sanatorium—

*Thomas H. A. Stites, M. D., Cresson.

Hamburg Sanatorium—

*Henry A. Gorman, M. D., Hamburg.

Bureau of child health—

*J. Bruce McCreary, M. D., chief, Shipensburg.

Preschool division—

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

School division—

*J. Bruce McCreary, M. D., Shipensburg.

Dental division—

*C. J. Hollister, D. D. S., Harrisburg.

Department of health—Continued.**Bureau of finance—**

*Clinton T. Williams, Harrisburg.

Bureau of accounts—

*Clinton T. Williams, Harrisburg.

Bureau of purchases—

*Charles H. Clappier, jr., Harrisburg.

Bureau of supplies—

*Roy Miller, Harrisburg.

Bureau of laboratories—

*John L. Laird, M. D., Philadelphia.

Bureau of nursing—

*Alice M. O'Halloran, R. N., Harrisburg.

Bureau of drug control—

*James M. Lightner, Lancaster.

Appropriations for biennial period ending June 1, 1927:

| | |
|---|---------------|
| General health purposes..... | \$4, 520, 000 |
| Construction of crippled children's hospital..... | 250, 000 |
| Total..... | 4, 770, 000 |

PHILIPPINE ISLANDS**Director of health:**

*Jacobo Fajardo, M. D., Manila.

Assistant director of health:**Council of hygiene, advisory board to the director of health:**

Fernando Calderon, 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.

Eulogio P. Revilla, LL. B., Manila.

Thomas Earnshaw, Manila.

Executive officer:

*Jose P. Zantug, M. D., acting executive officer, Manila.

Office of records and finance:

*Mamerto Tianco, chief, Manila.

Office of property:

*Bonifacio Mencias, M. D., acting chief, Manila.

Office of vital statistics:

*Jose Guidote, M. D., chief, Manila.

Office of general inspection:

*Rafael Villafranca, M. D., chief, Manila.

Public health nursing:

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

Office of sanitary engineering:

*Manuel Mañosa, C. E., chief.

Division of communicable diseases:

*Leoncio Lopez Rizal, M. D., acting chief, Manila.

Division of metropolitan sanitation:

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

Division of hospitals, dispensaries, and laboratories:

*Sixto Y. Orosa, M. D., acting chief, Manila.

Culion leper colony:

*Jose Avellana Basa, M. D., chief, Culion.

Division of provincial sanitation:

*Gabriel Intengan, M. D., chief, Manila.

Appropriations for fiscal year ending

Dec. 31, 1924:

| | |
|------------------------------------|----------------|
| Salaries and wages..... | \$429, 749. 00 |
| Miscellaneous expenses..... | 840, 107. 50 |
| Treatment of segregated lepers.... | 125, 000. 00 |

Appropriations for fiscal year ending Dec. 31, 1924—Continued.

| | |
|---|--------------|
| Aid to specially organized provisions..... | \$203,450.00 |
| School of nursing in Baguio..... | 3,600.00 |
| Medicines, medical and surgical supplies, to be distributed among the dispensaries of the public schools..... | 2,500.00 |
| Total..... | 1,604,406.50 |
| Publications issued by the Philippine health service: | |
| Daily Service News. | |
| Monthly Bulletin. | |
| Annual report. | |
| Occasional pamphlets. | |

PORTO RICO

Insular board of health:

- Gustavo Muñoz Diaz, M. D., president, San Juan.
 José Y. De Guzmán Soto, M. D., secretary, San Juan.
 Angel M. Pasquera, pharmacist, San Juan.
 W. A. Glines, M. D., San Juan.
 A. Martínez Alvarez, M. D., San Juan.
 Luis Samalea Iglesias, San Juan.
 G. A. Ramirez de Arellano, San Juan.

Executive health officer:

- *Pedro N. Ortiz, M. D., commissioner of health, San Juan.
 *A. Fernós Isern, M. D., assistant commissioner of health, San Juan.

Division of property and accounts:

- *Abelardo Santiago, chief, San Juan.

Division of sanitary engineering:

- *Octavio Marciano, sanitary engineer, San Juan.

Bacteriological laboratory:

- *Pablo Morales Otero, M. D., director, San Juan.

Chemical laboratory:

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

Division of transmissible diseases:

- *M. O. de la Rosa, M. D., chief, San Juan.

Bureau of statistics:

- *Manuel A. Perez, chief, San Juan.

Appropriations for each of the fiscal years ending June 30, 1924, and June 30, 1925:

| | |
|--|--------------|
| Office of the commissioner of health..... | \$265,483.50 |
| Lepor colony..... | 33,150.25 |
| Quarantine hospital..... | 14,185.00 |
| Antituberculosis sanatorium of Porto Rico..... | 194,171.90 |
| Blind asylum..... | 51,071.00 |
| Insular insane asylum..... | 125,943.00 |
| Education and maintenance of poor deaf and dumb children.... | 1,200.00 |
| Care of tuberculosis patients in the sanatorium at Ponce under the control of the department health..... | 20,000.00 |
| Control and prevention of tuberculosis..... | 100,000.00 |

Appropriations, etc.—Continued.

| | |
|---|--------------|
| For the control and prevention of venereal diseases..... | \$12,000.00 |
| Bureau of social welfare..... | 60,000.00 |
| Extermination of mosquitoes and control and suppression of malaria..... | 60,000.00 |
| Suppression of anemia..... | 60,000.00 |
| Extermination of rats..... | 40,000.00 |
| Control and suppression of infantile tetanus and ophthalmia neonatorum..... | 3,000.00 |
| Emergency fund for the control and suppression of epidemics.... | 10,000.00 |
| Girls' charity school..... | 87,941.75 |
| Boys' charity school..... | 120,392.60 |
| Sanitation fund, trust fund..... | 188,367.50 |
| Total..... | 1,446,966.50 |

RHODE ISLAND

Board of health:

- Thomas J. McLaughlin, M. D., president, Woonsocket.
 William F. Williams, M. D., vice president, Bristol.
 Alexander B. Briggs, M. D., Ashaway.
 Berton W. Storrs, M. D., Portsmouth.
 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, Ph. D., Providence.

Chemist:

- Stephen De M. Gage, Providence.

Appropriations for fiscal year ending November 30, 1925:

| | |
|------------------------------|----------|
| Executive department..... | \$28,000 |
| Chemical laboratory..... | 17,500 |
| Pathological laboratory..... | 20,000 |
| Child welfare..... | 20,000 |
| Venereal diseases..... | 10,000 |
| Total..... | 95,500 |

SOUTH CAROLINA

Executive committee, board of health:

- Robert Wilson, jr., M. D., chairman, Charleston.
 Ben F. Wyman, M. D., Aiken.
 Davis Furman, M. D., Greenville.
 E. A. Hines, M. D., Seneca.
 W. R. Wallace, M. D., Chester.
 Wm. Egleston, M. D., Hartsville.
 S. C. Calder, Ph. G., Greenville.
 W. M. Lester, M. D., Columbia.
 Jno. M. Daniel, Atty. Gen., Columbia.
 A. J. Beattie, Compt. Gen., 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:

*Miss Ada Taylor Graham, R. N., supervisor of public health nursing, Columbia.

Laboratory department:

*H. M. Smith, M. D., in charge, Columbia.
*J. R. Cain, chief bacteriologist, Columbia.

Bureau of vital statistics:

*C. W. Miller, Columbia.

Bacteriologist and chemist:

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

South Carolina Sanitorium:

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

Epidemiologist:

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

Sanitary engineer:

*A. E. Legare, C. E., Columbia.

State hotel inspector:

*J. H. Woodward, Columbia.

Appropriations for fiscal year ending

Dec. 31, 1925:

| | |
|---------------------------------|-------------|
| Administrative office..... | \$56,284.30 |
| Bureau of child hygiene..... | 16,492.00 |
| Bureau of vital statistics..... | 7,625.00 |
| Laboratory..... | 11,830.00 |
| Bureau of rural sanitation..... | 26,322.94 |
| Malaria cooperative work..... | 16,245.00 |
| Tuberculosis sanatoria..... | 93,600.00 |
| Hotel inspection..... | 5,240.00 |
| Aid for crippled children..... | 10,000.00 |

Total.....243,639.24

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.
Albert C. Clark, M. D., Woonsocket.
H. R. Kenaston, M. D., Bonesteel.
J. F. D. Cook, M. D., superintendent, Waubay.

Executive health officer:

*J. F. D. Cook, M. D., superintendent and executive officer, Waubay.

Division of vital statistics:

*J. F. D. Cook, M. D., Waubay.

Division of preventable diseases:

*J. F. D. Cook, M. D., director.

Division of child hygiene:

*Clara Edna Hayes, M. D., director.
*Miss Edith Olson, R. N., supervisor of public health nursing.

Division of sanitary engineering:

*A. H. Wleters, director.

Division of education and publicity:

M. C. Haecker, director.

Division of medical licensure:

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

Division of records and accounts:

*Esther A. Larson, director.

State laboratories at Vermillion:

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

Appropriations available July 1, 1925:

| | 1925-26 | 1926-27 |
|--|---------|---------|
| Salary, superintendent board of health..... | \$3,200 | \$3,200 |
| Biological products..... | 2,500 | 2,500 |
| Sheppard-Towner maternity and infancy act..... | 10,000 | 10,000 |
| Salaries and wages..... | 19,000 | 19,000 |
| Other compensations..... | 1,500 | 1,500 |
| Supplies and materials..... | 2,500 | 2,500 |
| Communication and travel..... | 4,000 | 4,000 |
| Subsistence, care, and support..... | 500 | 500 |
| Printing, binding, advertising..... | 3,500 | 3,500 |
| Light and power..... | 250 | 250 |
| Repairs and replacements..... | 1,500 | 1,500 |
| Rents..... | 1,560 | 1,560 |
| Dues..... | 50 | 50 |
| Crippled children..... | 4,000 | 4,000 |
| Total..... | 54,060 | 54,060 |

TENNESSEE

Department of public health:

*E. L. Bishop, M. D., C. P. H., commissioner, Nashville.

Division of epidemiology:

*E. A. Lane, M. D., C. P. H., director, Nashville.

Division of local organization:

*W. K. Sharp, jr., M. D., acting director, Nashville.

Division of vital statistics:

*J. B. Bond, M. D., director, Nashville.

Division of laboratories:

*William Litterer, M. D., director, Nashville.

Division of sanitary engineering:

*Howard R. Fullerton, C. E., director, Nashville.

Division of health education:

*W. J. Breeding, M. D., director, Nashville.

Division of child hygiene and public health nursing:

*H. C. Stewart, M. D., C. P. H., director, Nashville.

*Miss Nell G. Taylor, R. N., State supervising nurse, Nashville.

Appropriations for the biennial period ending June 30, 1927:

| | |
|---|-------------|
| Administration..... | \$21,000.00 |
| Sera, vaccines, and medical supplies..... | 6,000.00 |
| Epidemic fund..... | 5,000.00 |
| Trachoma fund..... | 4,000.00 |
| Vital statistics fund..... | 25,060.00 |
| Sanitary engineering fund..... | 30,200.00 |
| Laboratory fund..... | 40,040.00 |
| Epidemiology and local organization fund (former rural sanitation fund)..... | 60,500.00 |
| Child hygiene and public health nursing fund (former maternity and child welfare fund)..... | 42,435.10 |
| Health education fund..... | 10,600.00 |
| Venereal disease control fund (unexpended balance)..... | 2,772.49 |
| Total..... | 247,607.56 |

Other sources of revenue:

United States Department of Labor, maternity and child welfare, \$25,000.

International Health Board, \$22,500 (variable).
United States Public Health Service, venereal disease control, \$552.90.

International Health Board, cooperation in malaria control, epidemiology and local organization, vital statistics. United States Public Health Service in malaria control. Individual counties and cities in State co. operation in malaria control, county health work and child hygiene and public health nursing. United States Public Health Service, cooperation in county health work, \$7,000.

TEXAS**Board of health:**

H. O. Sappington, M. D., president, Austin.
M. F. Bledsoe, M. D., Port Arthur.
R. W. Noble, M. D., Temple.
Phil Russell, M. D., Fort Worth.
E. L. Rose, M. D., Port Arthur.
A. H. Braden, M. D., Houston.
E. L. Lawrence, M. D., Thorndale.

Executive health officer:

*H. O. Sappington, M. D., State health officer.

Food and drug division:

E. H. Golaz, director, Austin.

Bureau of child hygiene:

H. N. Barnett, M. D., acting director, Austin.

Bureau of statistics and State registrar:

*C. E. Durham, M. D., acting director, Austin.

Bureau of communicable diseases:**Bureau of venereal diseases:****Bureau of water, waste, control and inspection:**

V. M. Ehlers, C. E., chief engineer, Austin.
E. G. Eggert, C. E., assistant chief engineer, Austin.
Carl Martin, sanitarian, Jacksonville.
E. W. Steel, C. E., sanitary engineer, Austin.
Edgar Whedbee, C. E., sanitary engineer, Bonham.
Edward Hopkins, C. E., sanitary engineer, Dallas.

Appropriations for fiscal year ending August 31, 1926:

| | |
|--------------------|--------------|
| General..... | \$131,740.52 |
| Special funds..... | 55,400.41 |
| Total..... | 187,140.93 |

Publications issued by Texas State health department:

Biennial report.
Monthly magazine.
Weekly newspaper articles.
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.
Joseph R. Morrell, M. D., Ogden.
Mrs. Valeria B. Young, Salt Lake City.
Carl Hopkins, Ogden.
S. S. Burnham, D. D. S., Salt Lake City.
Chas. J. Ullrich, C. E., Salt Lake City.

Executive health officer:

*T. B. Beatty, M. D., State health commissioner, Salt Lake City.

Bureau of vital statistics:

*T. B. Beatty, M. D., State registrar.
Anna M. Bowen, deputy registrar.

Bureau of child hygiene:

H. Y. Richards, M. D., director.

Epidemiologist:

James Wallace, M. D.

Sanitary engineer:

W. H. Larkin.

Bacteriological laboratory:

Edmund K. Kline, bacteriologist.

Appropriations for biennial period ending March 31, 1927:

| | |
|---------------------|----------|
| Salaries..... | \$33,960 |
| Office expense..... | 8,000 |
| Travel..... | 3,500 |
| Equipment..... | 1,000 |
| Child hygiene..... | 13,000 |
| Total..... | 59,460 |

Publications issued by health department:

Quarterly bulletin.
Biennial report.

Fiscal year ends March 31.**VERMONT****Board of health:**

Edward J. Rogers, M. D., chairman, Pittsford.
William G. Ricker, M. D., St. Johnsbury.
John P. Gifford, M. D., Randolph.

Executive health officer:

*Charles F. Dalton, M. D., secretary State board of health, Burlington.

Laboratory of hygiene:

*Charles F. Whitney, M. D., director, Burlington.

Sanitary engineering:

J. W. Votey, C. E., Burlington.

Sanitary inspecting:

*Fred S. Kent, M. D., Burlington.

Division of venereal diseases:

*Fred S. Kent, 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., Burlington.

Division of maternal and infant hygiene:

Harriet M. Gardner, R. N., field nurse, St. Johnsbury.

Appropriations for fiscal year ending June 30, 1924:

Total budget, \$40,000.

Other sources of revenue:

Private donations for study and treatment of infantile paralysis.
Sheppard-Towner funds from Federal Government.

Publications issued by health department:

Biennial report.

VIRGINIA**Board of health:**

W. M. Smith, M. D., president, Alexandria.
W. T. Graham, M. D., Richmond.
John T. Daniel, Cape Charles.
H. M. Miles, M. D., Norton.
Guy R. Harrison, D. D. S., Richmond.
George B. Lawson, M. D., Roanoke.
L. T. Royster, M. D., Norfolk.

Executive health officer:

***Ennion G. Williams, M. D.**, State health commissioner, Richmond.

Assistant health commissioner:

***Roy K. Flannagan, M. D.**, Richmond.

Registrar of vital statistics:

***W. A. Piecker, M. D.**, Richmond.

Bacteriologist:

***A. H. Straus, Richmond.**

Sanitary engineer:

***Richard Messer, C. E.**, Richmond.

Bureau of child welfare:

***Mary E. Brydon, M. D.**, director.

Public health nursing:

***Nannie J. Minor, R. N.**, director.

Tuberculosis education:

***Agnes D. Randolph, R. N.**, director.

Appropriations for fiscal year ending February 28, 1925:

| | |
|--|-----------|
| Administration..... | \$22, 110 |
| Sanitary engineering..... | 16, 200 |
| Publicity..... | 5, 600 |
| Rural sanitation..... | 25, 000 |
| Malaria..... | 5, 000 |
| Inspection of convict camps..... | 750 |
| Laboratory..... | 24, 150 |
| Child welfare and public health nursing..... | 38, 000 |
| Venereal diseases..... | 2, 200 |
| Control of epidemics..... | 5, 000 |
| Vital statistics..... | 22, 530 |
| For collection and publication of marriage and divorce statistics..... | 2, 855 |
| Prevention of blindness..... | 2, 300 |
| Tuberculosis education..... | 23, 350 |
| Total..... | 195, 045 |

Publications issued by health department:

Monthly bulletin.

Biennial report.

WASHINGTON**Board of health:**

A. E. Stuhlt, 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, C. E., secretary, Seattle.

Executive health officer:

***A. E. Stuhlt, M. D.**, State 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, C. E.**, Seattle.

Registrar:

***C. E. Dorisy, C. E.**, Seattle.

Division of child hygiene:

***A. E. Stuhlt, M. D.**, chief.

***Ella S. Erikson**, advisory nurse.

Appropriation for one year ending Mar. 31, 1926:

Operations..... \$40, 000

Division of child hygiene—

State..... 5, 000

Federal..... 10, 000

Tuberculosis hospitals (biennium)

(State aid to local sanatoria)..... 190, 000

WEST VIRGINIA**Public health council:**

H. G. Camper, M. D., president, Welch.

W. M. Babb, M. D., Keyser.

J. L. Pyle, M. D., Chester.

O. H. Jennings, M. D., Williamson.

H. A. Barbee, M. D., Point Pleasant.

Benj. O. Robinson, M. D., Parkersburg.

W. T. Henshaw, M. D., commissioner of health, Charleston.

Executive health officer:

***W. T. Henshaw, M. D.**, commissioner of health, Charleston.

Division of sanitary engineering:

***Ellis S. Tisdale**, chief engineer, Charleston.

***Louis F. Warrick**, assistant engineer, Charleston.

***John B. Harrington**, assistant engineer, Charleston.

Division of vital statistics:

***Carl F. Raver, M. D., M. P. H.**, director, Charleston.

Division of child welfare and public health nursing:

***Jean T. Dillon, R. N.**, director, Charleston.

***Edna M. Hardsaw, R. N.**, field advisory nurse, Charleston.

***Helen E. Bond, R. N.**, field advisory nurse, Charleston.

***Ruth E. Occomy, R. N.**, field advisory nurse for negroes, Charleston.

Hygienic laboratory:

***Chas. E. Gabel, Ph. D.**, director, Charleston.

***Lucy F. Gabel**, chemist, Charleston.

***Catherine V. Offutt**, technician, Charleston.

Division of preventable diseases:

***David Littlejohn, M. D.**, director, Charleston.

Bureau of venereal diseases:

***David Littlejohn, M. D.**, acting director, Charleston.

***Ada L. Coddington**, associate director, Charleston.

Bureau of rural sanitation:

***J. G. Townsend, M. D.**, surgeon, U. S. P. H. S., director, Charleston.

Division of public health education:

***Medara M. Mason**, director, Charleston.

Appropriations for fiscal year ending June 30, 1926:

| | |
|-----------------------------|------------|
| For general use..... | \$100, 000 |
| Salary of commissioner..... | 4, 800 |
| State Sheppard-Towner..... | 5, 000 |

Total..... 109, 800

Other sources of revenue:

Fees for granting certificates to practice medicine.

Fees from laboratory work for private individuals

Expense of cooperative work with the Federal Government Sheppard-Towner Act relating to maternal and infant hygiene, \$10,000.

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

WISCONSIN

Board of health:

Otho Fielder, M. D., president, Sheboygan.
Joseph Dean, M. D., vice president, Madison.
L. A. Steffen, M. D., Antigo.
J. J. Seelman, M. D., Milwaukee.
G. Windesheim, M. D., Kenosha.
Mina B. Glasier, M. D., Bloomington.
C. A. Harper, M. D., 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:

*H. M. Guilford, M. D., 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:

*Adda Eldredge, R. N., director, Madison.

Bureau of plumbing and domestic sanitary engineering:

*Frank R. King, State domestic sanitary engineer, Madison.

Bureau of social hygiene:

*H. M. Guilford, M. D., director, Madison.

Laboratory service:

*W. D. Stovall, M. D., director, State laboratories, Madison.

*M. S. Nichols, chemist, State laboratory, Madison.

*Etta Spence, director branch laboratory, Rhinelander.

*Dorothy Packard, director cooperative laboratory, Superior.

*A. H. Broche, M. D., director, cooperative laboratory, Oshkosh.

*Henry Miller, director cooperative laboratory, Kenosha.

Laboratory service—Continued.

*Josephine Foote, director cooperative laboratory, Wausau.

*Marion Anderson, director cooperative laboratory, Beloit.

*Clarissa McPetridge, director, cooperative laboratory, Green Bay.

Appropriations for fiscal year ending June 30, 1925:

| | |
|--|----------------|
| General administration..... | \$51,000 |
| Emergency appropriation for epidemics..... | 7,500 |
| Branch laboratory and State cooperative laboratories..... | 9,000 |
| Prevention of infantile blindness..... | 1,000 |
| Veneral disease control work..... | 36,370 |
| Bureau of sanitary engineering..... | 17,000 |
| Bureau of communicable diseases..... | 13,300 |
| Bureau of child welfare and public health nursing..... | 23,000 |
| Comfort station supervision..... | 5,000 |
| Licensing of embalmers, hotels and restaurants, plumbers, beauty parlors, nurses, and barbers..... | 57,650 |
| Total..... | 220,820 |

Publications issued by health department:

Quarterly bulletin.
Biennial report.

WYOMING

Board of health:

C. Y. Beard, M. D., president, Cheyenne.

R. W. Hale, M. D., vice president, Thermopolis.

G. M. Anderson, M. D., secretary and executive officer, Cheyenne.

Earl E. Whedon, M. D., Sheridan.

Edward S. Lauzer, M. D., Rock Springs.

Executive health officer:

*G. M. Anderson, M. D., State health officer Cheyenne.

Infant and maternal hygiene:

Louise Buford, R. N., supervisor.

Appropriations for biennial period ending

Mar. 31, 1927:

| | |
|---|---------------|
| State board of health..... | \$10,000 |
| Salary of secretary..... | 8,000 |
| Salary board members..... | 500 |
| Bureau of maternity and infant hygiene..... | 3,200 |
| Total..... | 21,700 |

Publications issued by health department:

Biennial report.
Bimonthly bulletin.

DEATH RATES IN A GROUP OF INSURED PERSONS

COMPARISON OF PRINCIPAL CAUSES OF DEATH, JUNE AND JULY, 1925, AND JULY AND YEAR 1924

The accompanying table is taken from the August issue of the Statistical Bulletin, published by the Metropolitan Life Insurance Co., and presents the mortality experience of the company for July, 1925, as compared with June, 1925, and with July and year, 1924.

The rates are based on a strength of approximately 16,000,000 insured persons.

The death rate for this group of the industrial populations of the United States and Canada for July was 8.1, as per 1,000 compared with a rate of 8.6 for the corresponding month of 1924 and with 8.4 in 1923.

The Bulletin makes the following comment:

Heart disease, the leading cause of death, with a rate of 108 per 100,000, showed a marked reduction as compared with June and a slight decline from last year's July figure. July rates for the other "degenerative diseases," cerebral hemorrhage and Bright's disease, were also lower than in 1924.

Tuberculosis, with a rate of 95.6 per 100,000, recorded for the seventh successive time this year a lower death rate than for the corresponding month of 1924. Unless there shall be an unexpected and sharp change in the tendency of the tuberculosis death rate during the remainder of 1925, the year will register a new minimum in the mortality from this disease.

The situation for the principal epidemic diseases of childhood continues very favorable, the combined death rate showing a marked decline as compared with July, 1924. The rate for diarrheal diseases (40.6 per 100,000) is higher than for the same month of last year and two years ago. This is due more to a considerable increase in the number of infants exposed to risk than it is to actual increase in the prevalence of diarrheal complaints. Pneumonia and influenza show a seasonal decline as compared with the preceding month, and the combined total of the two diseases shows improvement over 1924. Deaths from puerperal conditions also were fewer than at this time last year.

Death rates (annual basis) for principal causes per 100,000 lives exposed, June and July, 1925, and July and year 1924

[Industrial department, Metropolitan Life Insurance Co.]

| Cause of death | Rate per 100,000 lives exposed ¹ | | | |
|---|---|------------|------------|-----------|
| | July, 1925 | June, 1925 | July, 1924 | Year 1924 |
| Total, all causes..... | 810.5 | 938.7 | 857.5 | 905.2 |
| Typhoid fever..... | 5.2 | 3.0 | 4.3 | 4.4 |
| Measles..... | 3.9 | 7.0 | 3.7 | 7.2 |
| Scarlet fever..... | 2.2 | 3.4 | 3.5 | 4.4 |
| Whooping cough..... | 8.1 | 8.9 | 8.5 | 7.4 |
| Diphtheria..... | 6.6 | 8.2 | 7.8 | 13.1 |
| Influenza..... | 6.8 | 12.9 | 5.1 | 16.0 |
| Tuberculosis (all forms)..... | 95.6 | 106.5 | 102.3 | 104.2 |
| Tuberculosis of respiratory system..... | 84.0 | 91.7 | 90.0 | 92.3 |
| Cancer..... | 68.1 | 68.7 | 72.4 | 70.2 |
| Diabetes mellitus..... | 12.7 | 14.9 | 12.5 | 14.8 |
| Cerebral hemorrhage..... | 46.7 | 51.3 | 54.2 | 60.1 |
| Organic diseases of heart..... | 108.0 | 134.4 | 111.7 | 123.4 |
| Pneumonia (all forms)..... | 40.4 | 74.2 | 47.6 | 88.6 |
| Other respiratory diseases..... | 8.5 | 12.0 | 11.8 | 13.8 |
| Diarrhea and enteritis..... | 40.6 | 31.0 | 35.8 | 32.2 |
| Bright's disease (chronic nephritis)..... | 59.5 | 72.9 | 61.4 | 65.6 |
| Puerperal state..... | 14.7 | 17.2 | 15.4 | 16.8 |
| Suicides..... | 7.1 | 6.5 | 6.0 | 7.2 |
| Homicides..... | 6.6 | 7.1 | 9.3 | 7.1 |
| Other external causes (excluding suicides and homicides)..... | 73.5 | 88.3 | 84.5 | 62.5 |
| Traumatism by automobile..... | 17.9 | 15.9 | 18.3 | 15.7 |
| All other causes..... | 196.0 | 210.3 | 199.7 | 186.5 |

¹ All figures include infants insured under 1 year of age.

DEATHS DURING WEEK ENDED SEPTEMBER 12, 1925

Summary of information received by telegraph from industrial insurance companies for week ended September 12, 1925, and corresponding week of 1924. (From the Weekly Health Index, September 15, 1925, issued by the Bureau of the Census, Department of Commerce)

| | Week ended Sept. 12, 1925 | Corresponding week, 1924 |
|--|------------------------------|-----------------------------|
| Policies in force..... | 60, 986, 892 | 56, 910, 062 |
| Number of death claims..... | 8, 782 | 10, 047 |
| Death claims per 1,000 policies in force, annual rate..... | 7. 5 | 9. 2 |

Deaths from all causes in certain large cities of the United States during the week ended September 12, 1925, infant mortality, annual death rate, and comparison with corresponding week of 1924. (From the Weekly Health Index, September 15, 1925, issued by the Bureau of the Census, Department of Commerce)

| City | Week ended Sept. 12, 1925 | | Annual death rate per 1,000 corre- sponding week, 1924 | Deaths under 1 year | | Infant mortality rate week ended Sept. 12, 1925 ¹ |
|-------------------------------|------------------------------|----------------------------|---|------------------------------------|-------------------------------------|--|
| | Total deaths | Death rate ¹ | | Week ended Sept. 12, 1925 | Corre- sponding week, 1924 | |
| Total (67 cities) | 5, 877 | 11. 0 | ² 10. 5 | 858 | ³ 849 | ⁴ 72 |
| Akron..... | 38 | | | 7 | 1 | 78 |
| Albany ⁵ | 31 | 13. 5 | 12. 8 | 3 | 4 | 65 |
| Atlanta..... | 82 | | | 10 | 7 | |
| Baltimore ⁵ | 172 | 11. 3 | 12. 8 | 36 | 26 | 108 |
| Birmingham..... | 55 | 13. 9 | 10. 9 | 9 | 6 | |
| Boston..... | 169 | 11. 3 | 9. 1 | 36 | 25 | 95 |
| Bridgeport..... | 27 | | | 3 | 3 | 48 |
| Buffalo..... | 122 | 11. 5 | 11. 9 | 18 | 27 | 73 |
| Cambridge..... | 16 | 7. 4 | 14. 4 | 1 | 4 | 17 |
| Camden..... | 29 | 11. 8 | 11. 6 | 3 | 2 | 48 |
| Chicago ⁵ | 543 | 9. 5 | 11. 1 | 84 | 109 | 74 |
| Cincinnati..... | 142 | 18. 1 | 13. 6 | 22 | 17 | 130 |
| Cleveland..... | 185 | 10. 3 | 7. 7 | 39 | 37 | 97 |
| Columbus..... | 79 | 14. 7 | 9. 5 | 10 | 6 | 92 |
| Dallas..... | 53 | 14. 3 | 9. 4 | 3 | 5 | |
| Dayton..... | 35 | 10. 6 | 9. 2 | 1 | 7 | 16 |
| Denver..... | 72 | 13. 4 | 13. 4 | 12 | 14 | |
| Des Moines..... | 34 | 11. 9 | 8. 6 | 1 | 2 | 17 |
| Detroit..... | 248 | | | 71 | 48 | 122 |
| Duluth..... | 15 | 7. 1 | 14. 4 | 1 | 6 | 22 |
| El Paso..... | 30 | 14. 9 | 12. 4 | 7 | 5 | |
| Erie..... | 18 | | | 1 | 3 | 19 |
| Fall River ⁵ | 20 | 8. 6 | 15. 5 | 3 | 5 | 43 |
| Flint..... | 26 | 10. 4 | 2. 1 | 9 | 1 | 142 |
| Fort Worth..... | 35 | 12. 0 | 8. 1 | 4 | 2 | |
| Grand Rapids..... | 22 | 7. 5 | 4. 6 | 2 | 2 | 31 |
| Houston..... | 33 | 10. 4 | 8. 8 | 4 | 4 | |
| Indianapolis..... | 95 | 13. 8 | 14. 6 | 12 | 17 | 85 |
| Jersey City..... | 52 | 8. 6 | 9. 5 | 9 | 8 | 64 |
| Kansas City, Kans..... | 27 | 11. 4 | 9. 8 | 4 | 1 | 84 |
| Kansas City, Mo..... | 80 | 12. 3 | 12. 0 | 13 | 14 | |
| Los Angeles..... | 178 | | | 19 | 18 | 52 |
| Louisville..... | 78 | 15. 7 | 14. 5 | 14 | 14 | 122 |
| Lowell..... | 25 | 11. 2 | 11. 3 | 2 | 3 | 35 |
| Lynn..... | 19 | 9. 5 | 7. 5 | 2 | 0 | 53 |
| Memphis..... | 70 | 20. 9 | 18. 2 | 12 | 15 | |
| Milwaukee..... | 85 | 8. 8 | 9. 1 | 19 | 14 | 89 |
| Minneapolis..... | 72 | 8. 8 | 8. 6 | 9 | 7 | 48 |
| Nashville ⁵ | 35 | 13. 4 | 17. 3 | 8 | 7 | |
| New Bedford..... | 27 | 10. 4 | 5. 5 | 5 | 4 | 83 |
| New Haven..... | 30 | 8. 7 | 12. 4 | 3 | 7 | 39 |
| New Orleans..... | 147 | 18. 5 | 15. 4 | 27 | 22 | |

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1924. Cities left blank are not in the registration area for births.

³ Data for 66 cities.

⁴ Data for 61 cities.

⁵ Deaths for week ended Friday, Sept. 11, 1925.

Deaths from all causes in certain large cities of the United States during the week ended September 12, 1925, infant mortality, annual death rate, and comparison with corresponding week of 1924. (From the Weekly Health Index, September 15, 1925, issued by the Bureau of the Census, Department of Commerce)—Con.

| City | Week ended Sept. 12, 1925 | | Annual death rate per 1,000 corresponding week, 1924 | Deaths under 1 year | | Infant mortality rate week ended Sept. 12, 1925 |
|-----------------------------------|---------------------------|------------|--|---------------------------|--------------------------|---|
| | Total deaths | Death rate | | Week ended Sept. 12, 1925 | Corresponding week, 1924 | |
| New York..... | 1,088 | 9.3 | 9.0 | - 136 | 131 | 55 |
| Bronx Borough..... | 135 | 7.8 | 6.2 | 10 | 7 | 34 |
| Brooklyn Borough..... | 360 | 8.4 | 8.2 | 52 | 45 | 54 |
| Manhattan Borough..... | 468 | 10.8 | 10.8 | 54 | 67 | 56 |
| Queens Borough..... | 40 | 8.2 | 7.5 | 19 | 8 | 88 |
| Richmond Borough..... | 35 | 13.6 | 15.2 | 1 | 4 | 18 |
| Newark, N. J..... | 97 | 11.2 | 9.7 | 20 | 20 | 91 |
| Norfolk..... | 29 | | | 4 | 0 | 74 |
| Oakland..... | 42 | 8.6 | 9.5 | 3 | 8 | 35 |
| Oklahoma City..... | 18 | | | 1 | 2 | |
| Omaha..... | 38 | 9.4 | 12.3 | 6 | 12 | 62 |
| Paterson..... | 24 | 8.8 | 9.6 | 0 | 3 | 0 |
| Philadelphia..... | 428 | 11.3 | 11.1 | 57 | 67 | 72 |
| Pittsburgh..... | 145 | 12.0 | 9.9 | 24 | 24 | 80 |
| Portland, Oreg..... | 51 | 9.4 | 9.8 | 0 | 1 | 0 |
| Providence..... | 51 | 10.8 | 13.3 | 5 | 7 | 40 |
| Richmond..... | 53 | 14.8 | 13.6 | 4 | 6 | 48 |
| Rochester..... | 60 | 9.4 | 9.8 | 11 | 4 | 88 |
| St. Louis..... | 285 | 18.1 | 12.2 | 33 | 19 | |
| St. Paul..... | 41 | 8.7 | 11.5 | 5 | 7 | 42 |
| Salt Lake City ¹ | 23 | 9.2 | 10.5 | 5 | 6 | 78 |
| San Antonio..... | 45 | 11.8 | 8.4 | 9 | 11 | |
| San Diego..... | 26 | 12.8 | 12.4 | 0 | 0 | 0 |
| San Francisco..... | 128 | 12.0 | 11.6 | 13 | 7 | 75 |
| Schenectady..... | 19 | 9.7 | 10.4 | 3 | 2 | 84 |
| Seattle..... | 46 | | | 1 | 4 | 10 |
| Somerville..... | 16 | 8.2 | 5.7 | 4 | 1 | 107 |
| Spokane..... | 23 | 11.0 | 9.0 | 2 | 2 | 45 |
| Springfield, Mass..... | 26 | 8.9 | 10.5 | 3 | 5 | 45 |
| Syracuse..... | 38 | 10.3 | 12.2 | 5 | 7 | 63 |
| Tacoma..... | 21 | 10.5 | 13.2 | 2 | 3 | 47 |
| Toledo..... | 72 | 13.1 | 6.7 | 12 | 6 | 108 |
| Trenton..... | 30 | 11.8 | 16.9 | 5 | 8 | 82 |
| Washington, D. C..... | 116 | 12.1 | 12.9 | 22 | 14 | 124 |
| Waterbury..... | 10 | | | 1 | 4 | 22 |
| Wilmington, Del..... | 28 | 12.0 | 11.7 | 4 | 5 | 91 |
| Worcester..... | 43 | 11.3 | 11.7 | 9 | 2 | 104 |
| Yonkers..... | 12 | 5.6 | 9.0 | 0 | 7 | 0 |
| Youngstown..... | 41 | 13.4 | 8.7 | 9 | 5 | 111 |

¹ Deaths for week ended Friday Sept. 11, 1925.

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Week Ended September 19, 1925

| ALABAMA | | CALIFORNIA | |
|-------------------------------|-------|---|-----------------------|
| | Cases | | Cases |
| Cerebrospinal meningitis..... | 1 | Cerebrospinal meningitis—Santa Barbara..... | 1 |
| Chicken pox..... | 1 | Diphtheria..... | 80 |
| Diphtheria..... | 37 | Influenza..... | 12 |
| Influenza..... | 8 | Leprosy: | |
| Malaria..... | 137 | Los Angeles County..... | 1 |
| Measles..... | 1 | Sacramento..... | 1 |
| Mumps..... | 5 | Lethargic encephalitis: | |
| Pellagra..... | 9 | Oakland..... | 1 |
| Pneumonia..... | 14 | San Francisco..... | 1 |
| Polioomyelitis..... | 1 | Measles..... | 13 |
| Scarlet fever..... | 14 | Polioomyelitis: | |
| Smallpox..... | 10 | Alhambra..... | 1 |
| Tetanus..... | 4 | Chico..... | 1 |
| Tuberculosis..... | 73 | Fresno..... | 1 |
| Typhoid fever..... | 50 | Fresno County..... | 1 |
| Whooping cough..... | 11 | Hermosa..... | 1 |
| | | Lodi..... | 1 |
| | | Los Angeles..... | 3 |
| | | Madera..... | 1 |
| | | Oakland..... | 2 |
| | | San Diego..... | 3 |
| | | San Francisco..... | 2 |
| | | Stockton..... | 1 |
| | | Tulare County..... | 1 |
| | | Scarlet fever..... | 33 |
| | | Smallpox: | |
| | | Los Angeles..... | 10 |
| | | Scattering..... | 8 |
| | | Typhoid fever..... | 18 |
| ARIZONA | | COLORADO | |
| | | | (Exclusive of Denver) |
| Chicken pox..... | 2 | Chicken pox..... | 4 |
| Diphtheria..... | 2 | Diphtheria..... | 42 |
| Measles..... | 1 | Measles..... | 2 |
| Mumps..... | 2 | Mumps..... | 5 |
| Polioomyelitis..... | 2 | Pneumonia..... | 1 |
| Scarlet fever..... | 3 | Scarlet fever..... | 12 |
| Trachoma..... | 1 | Septic sore throat..... | 2 |
| Tuberculosis..... | 2 | Tuberculosis..... | 29 |
| Typhoid fever..... | 5 | Typhoid fever..... | 3 |
| Whooping cough..... | 3 | Vincent's angina..... | 1 |
| | | Whooping cough..... | 19 |
| ARKANSAS | | | |
| Chicken pox..... | 2 | | |
| Diphtheria..... | 3 | | |
| Hookworm disease..... | 3 | | |
| Influenza..... | 9 | | |
| Malaria..... | 137 | | |
| Measles..... | 1 | | |
| Mumps..... | 2 | | |
| Paratyphoid fever..... | 1 | | |
| Pellagra..... | 12 | | |
| Polioomyelitis..... | 1 | | |
| Scarlet fever..... | 4 | | |
| Trachoma..... | 1 | | |
| Tuberculosis..... | 15 | | |
| Typhoid fever..... | 52 | | |

CONNECTICUT

Cases

| | |
|-------------------------------|-----|
| Cerebrospinal meningitis..... | 2 |
| Chicken pox..... | 3 |
| Diphtheria..... | 16 |
| German measles..... | 1 |
| Influenza..... | 1 |
| Lethargic encephalitis..... | 1 |
| Measles..... | 12 |
| Pneumonia..... | 17 |
| Poliomyelitis..... | 5 |
| Scarlet fever..... | 14 |
| Tuberculosis..... | 34 |
| Typhoid fever..... | 18 |
| Whooping cough..... | 109 |

DELAWARE

| | |
|---------------------|---|
| Chicken pox..... | 1 |
| Tuberculosis..... | 7 |
| Typhoid fever..... | 1 |
| Whooping cough..... | 2 |

FLORIDA

| | |
|-----------------------------|----|
| Chicken pox..... | 2 |
| Dengue..... | 1 |
| Diphtheria..... | 14 |
| Influenza..... | 16 |
| Lethargic encephalitis..... | 1 |
| Malaria..... | 28 |
| Mumps..... | 3 |
| Pneumonia..... | 52 |
| Poliomyelitis..... | 8 |
| Smallpox..... | 2 |
| Tetanus..... | 10 |
| Tuberculosis..... | 72 |
| Typhoid fever..... | 32 |
| Whooping cough..... | 10 |

GEORGIA

| | |
|----------------------------------|----|
| Anchyllostomiasis..... | 3 |
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 3 |
| Conjunctivitis (infectious)..... | 2 |
| Dengue..... | 7 |
| Diphtheria..... | 15 |
| Dysentery..... | 11 |
| Influenza..... | 5 |
| Malaria..... | 65 |
| Mumps..... | 15 |
| Paratyphoid fever..... | 3 |
| Pellagra..... | 1 |
| Pneumonia..... | 7 |
| Scarlet fever..... | 5 |
| Septic sore throat..... | 18 |
| Smallpox..... | 1 |
| Trichinosis..... | 1 |
| Tuberculosis..... | 8 |
| Typhoid fever..... | 44 |
| Whooping cough..... | 5 |

ILLINOIS

| | |
|--|----|
| Cerebrospinal meningitis—Du Page County..... | 1 |
| Diphtheria: | |
| Cook County..... | 45 |
| Scattering..... | 22 |
| Influenza..... | 7 |
| Lethargic encephalitis—Cook County..... | 2 |

ILLINOIS—continued

Cases

| | |
|------------------------|-----|
| Measles..... | 21 |
| Pneumonia..... | 74 |
| Poliomyelitis: | |
| Cook County..... | 5 |
| Fulton County..... | 2 |
| Henry County..... | 1 |
| Kane County..... | 1 |
| Knox County..... | 1 |
| Livingston County..... | 2 |
| McLean County..... | 1 |
| Stark County..... | 1 |
| Scarlet fever: | |
| Cook County..... | 26 |
| Scattering..... | 35 |
| Smallpox: | |
| Cook County..... | 1 |
| Scattering..... | 5 |
| Tuberculosis..... | 347 |
| Typhoid fever: | |
| Cook County..... | 17 |
| Crawford County..... | 5 |
| Monroe County..... | 5 |
| Saline County..... | 8 |
| Scattering..... | 42 |
| Whooping cough..... | 111 |

INDIANA

| | |
|---------------------|----|
| Chicken pox..... | 5 |
| Diphtheria..... | 19 |
| Influenza..... | 20 |
| Measles..... | 7 |
| Pneumonia..... | 3 |
| Poliomyelitis..... | 1 |
| Scarlet fever..... | 36 |
| Smallpox..... | 6 |
| Tuberculosis..... | 49 |
| Typhoid fever..... | 45 |
| Whooping cough..... | 23 |

IOWA

| | |
|--------------------|----|
| Chicken pox..... | 2 |
| Diphtheria..... | 11 |
| Impetigo: | |
| Holstein..... | 3 |
| Ida..... | 2 |
| Measles..... | 1 |
| Mumps..... | 6 |
| Poliomyelitis: | |
| Ames..... | 1 |
| Anamosa..... | 1 |
| Decorah..... | 1 |
| Des Moines..... | 2 |
| Exira..... | 1 |
| Holstein..... | 2 |
| Milford..... | 1 |
| Oelwein..... | 1 |
| Oskaloosa..... | 1 |
| Spencer..... | 1 |
| Winnebago..... | 1 |
| Woodward..... | 1 |
| Scarlet fever..... | 17 |
| Smallpox..... | 3 |
| Typhoid fever..... | 7 |

| KANSAS | | MARYLAND—continued | |
|------------------------------------|--------|-----------------------------------|--------|
| | Cases. | | Cases. |
| Cerebrospinal meningitis: | | Pneumonia (broncho)..... | 11 |
| Doniphan County..... | 1 | Pneumonia (lobar)..... | 11 |
| Leavenworth City..... | 1 | Poliomyelitis..... | 2 |
| Chicken pox..... | 2 | Scarlet fever..... | 13 |
| Diphtheria..... | 13 | Septic sore throat..... | 1 |
| German measles..... | 1 | Tetanus..... | 1 |
| Influenza..... | 2 | Tuberculosis..... | 62 |
| Lethargic encephalitis—Topeka..... | 1 | Typhoid fever..... | 61 |
| Malaria..... | 1 | Whooping cough..... | 88 |
| Measles..... | 1 | | |
| Mumps..... | 5 | MASSACHUSETTS | |
| Pellagra..... | 2 | Cerebrospinal meningitis..... | 1 |
| Pneumonia..... | 6 | Chicken pox..... | 24 |
| Poliomyelitis: | | Conjunctivitis (suppurative)..... | 22 |
| Chanute..... | 1 | Diphtheria..... | 88 |
| Jennings..... | 1 | German measles..... | 8 |
| Lyndon..... | 1 | Influenza..... | 4 |
| Oneida..... | 1 | Lethargic encephalitis..... | 2 |
| Scottsville..... | 1 | Measles..... | 73 |
| Valley Falls..... | 1 | Mumps..... | 10 |
| Scarlet fever..... | 26 | Ophthalmia neonatorum..... | 30 |
| Tuberculosis..... | 35 | Pneumonia (lobar)..... | 40 |
| Typhoid fever: | | Poliomyelitis..... | 12 |
| Parsons..... | 8 | Scarlet fever..... | 46 |
| Scattering..... | 40 | Septic sore throat..... | 2 |
| Whooping cough..... | 50 | Smallpox..... | 1 |
| | | Trachoma..... | 1 |
| LOUISIANA | | Tuberculosis (pulmonary)..... | 110 |
| Diphtheria..... | 10 | Tuberculosis (other forms)..... | 11 |
| Influenza..... | 8 | Typhoid fever..... | 19 |
| Malaria..... | 17 | Whooping cough..... | 206 |
| Paratyphoid fever..... | 1 | | |
| Pneumonia..... | 25 | MICHIGAN | |
| Scarlet fever..... | 6 | Diphtheria..... | 34 |
| Tuberculosis..... | 32 | Measles..... | 17 |
| Typhoid fever..... | 75 | Pneumonia..... | 38 |
| Whooping cough..... | 9 | Scarlet fever..... | 83 |
| | | Smallpox..... | 8 |
| MAINE | | Tuberculosis..... | 64 |
| Chicken pox..... | 3 | Typhoid fever..... | 17 |
| Diphtheria..... | 7 | Whooping cough..... | 177 |
| Dysentery..... | 1 | | |
| Measles..... | 1 | MINNESOTA | |
| Mumps..... | 4 | Chicken pox..... | 11 |
| Pneumonia..... | 4 | Diphtheria..... | 77 |
| Poliomyelitis..... | 1 | Measles..... | 3 |
| Scarlet fever..... | 8 | Pneumonia..... | 1 |
| Tuberculosis..... | 8 | Poliomyelitis..... | 62 |
| Typhoid fever..... | 8 | Scarlet fever..... | 88 |
| Vincent's angina..... | 2 | Smallpox..... | 1 |
| Whooping cough..... | 10 | Tuberculosis..... | 47 |
| | | Typhoid fever..... | 16 |
| MARYLAND ¹ | | Whooping cough..... | 19 |
| Cerebrospinal meningitis..... | 1 | | |
| Chicken pox..... | 7 | MISSISSIPPI | |
| Diphtheria..... | 22 | Diphtheria..... | 24 |
| Dysentery..... | 15 | Scarlet fever..... | 14 |
| Impetigo contagiosa..... | 1 | Smallpox..... | 3 |
| Influenza..... | 7 | Typhoid fever..... | 45 |
| Lethargic encephalitis..... | 1 | | |
| Malaria..... | 1 | MISSOURI | |
| Measles..... | 10 | (Exclusive of Kansas City) | |
| Mumps..... | 6 | Cerebrospinal meningitis..... | 1 |
| Ophthalmia neonatorum..... | 1 | Chicken pox..... | 4 |
| Paratyphoid fever..... | 3 | Diphtheria..... | 33 |

¹ Week ended Friday.

MISSOURI—continued

| | Cases |
|---------------------|-------|
| Influenza..... | 1 |
| Malaria..... | 12 |
| Measles..... | 2 |
| Mumps..... | 1 |
| Pneumonia..... | 8 |
| Poliomyelitis..... | 5 |
| Scarlet fever..... | 28 |
| Smallpox..... | 2 |
| Trachoma..... | 3 |
| Tuberculosis..... | 29 |
| Typhoid fever..... | 61 |
| Whooping cough..... | 73 |

MONTANA

| | |
|---------------------|----|
| Chicken pox..... | 4 |
| Diphtheria..... | 3 |
| Measles..... | 2 |
| Mumps..... | 4 |
| Poliomyelitis..... | 1 |
| Scarlet fever..... | 12 |
| Smallpox..... | 1 |
| Tuberculosis..... | 5 |
| Typhoid fever..... | 9 |
| Whooping cough..... | 10 |

NEBRASKA

| | |
|---------------------|----|
| Diphtheria..... | 8 |
| Influenza..... | 1 |
| Mumps..... | 2 |
| Pneumonia..... | 1 |
| Poliomyelitis..... | 13 |
| Scarlet fever..... | 9 |
| Smallpox..... | 1 |
| Tuberculosis..... | 1 |
| Typhoid fever..... | 2 |
| Whooping cough..... | 13 |

NEW JERSEY

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 14 |
| Diphtheria..... | 48 |
| Dysentery..... | 1 |
| Influenza..... | 3 |
| Measles..... | 18 |
| Paratyphoid fever..... | 1 |
| Pneumonia..... | 39 |
| Poliomyelitis..... | 9 |
| Scarlet fever..... | 28 |
| Trachoma..... | 1 |
| Typhoid fever..... | 39 |
| Whooping cough..... | 93 |

NEW MEXICO

| | |
|-----------------------|----|
| Chicken pox..... | 2 |
| Diphtheria..... | 2 |
| Hookworm disease..... | 1 |
| Mumps..... | 4 |
| Pneumonia..... | 2 |
| Scarlet fever..... | 2 |
| Tuberculosis..... | 42 |
| Typhoid fever..... | 21 |
| Whooping cough..... | 16 |

¹ Deaths.

NEW YORK

(Exclusive of New York City)

| | Cases |
|-------------------------------|-------|
| Cerebrospinal meningitis..... | 3 |
| Diphtheria..... | 51 |
| Influenza..... | 3 |
| Lethargic encephalitis..... | 2 |
| Measles..... | 32 |
| Pneumonia..... | 68 |
| Poliomyelitis..... | 34 |
| Scarlet fever..... | 44 |
| Smallpox..... | 1 |
| Typhoid fever..... | 71 |
| Whooping cough..... | 171 |

NORTH CAROLINA

| | |
|-------------------------------|-----|
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 4 |
| Diphtheria..... | 111 |
| German measles..... | 1 |
| Measles..... | 4 |
| Poliomyelitis..... | 1 |
| Scarlet fever..... | 40 |
| Septic sore throat..... | 2 |
| Smallpox..... | 13 |
| Typhoid fever..... | 35 |
| Whooping cough..... | 56 |

OKLAHOMA

(Exclusive of Tulsa and Oklahoma City)

| | |
|---------------------|----|
| Chicken pox..... | 1 |
| Diphtheria..... | 7 |
| Influenza..... | 11 |
| Malaria..... | 49 |
| Mumps..... | 5 |
| Pneumonia..... | 4 |
| Scarlet fever..... | 6 |
| Typhoid fever..... | 83 |
| Whooping cough..... | 13 |

OREGON

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 7 |
| Diphtheria..... | 13 |
| Dysentery..... | 16 |
| Influenza..... | 1 |
| Mumps..... | 8 |
| Pneumonia..... | 12 |
| Scarlet fever..... | 9 |
| Smallpox..... | 3 |
| Tuberculosis..... | 12 |
| Typhoid fever..... | 8 |
| Whooping cough..... | 15 |

SOUTH DAKOTA

| | |
|---------------------|----|
| Diphtheria..... | 2 |
| Pneumonia..... | 1 |
| Scarlet fever..... | 12 |
| Typhoid fever..... | 3 |
| Whooping cough..... | 2 |

Reports for week ended September 12, 1925

| DISTRICT OF COLUMBIA | | NORTH DAKOTA | |
|----------------------|-------|---------------------|-------|
| | Cases | | Cases |
| Chicken pox..... | 1 | Chicken pox..... | 1 |
| Diphtheria..... | 11 | Diphtheria..... | 6 |
| Measles..... | 3 | Mumps..... | 5 |
| Pneumonia..... | 9 | Pneumonia..... | 2 |
| Poliomyelitis..... | 1 | Poliomyelitis..... | 13 |
| Scarlet fever..... | 7 | Scarlet fever..... | 17 |
| Tuberculosis..... | 13 | Tuberculosis..... | 1 |
| Whooping cough..... | 14 | Typhoid fever..... | 3 |
| | | Whooping cough..... | 17 |

SUMMARY OF MONTHLY REPORTS FROM 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 | Cerebro-spinal meningitis | Diphtheria | Influenza | Malaria | Measles | Pellagra | Polio-myelitis | Scarlet fever | Small-pox | Typhoid fever |
|---------------------|---------------------------|------------|-----------|---------|---------|----------|----------------|---------------|-----------|---------------|
| <i>August, 1925</i> | | | | | | | | | | |
| Delaware..... | | 7 | | 2 | 8 | | | | | 16 |
| Florida..... | 3 | 57 | 36 | 67 | 2 | 12 | 18 | 5 | 5 | 75 |
| Georgia..... | 3 | 72 | 51 | 425 | 2 | 52 | 4 | 22 | 18 | 430 |
| Indiana..... | 3 | 97 | 194 | | | | 10 | 103 | | 219 |
| Iowa..... | 1 | 21 | 0 | 0 | 1 | 0 | 24 | 28 | 12 | 2 |
| Massachusetts..... | 5 | 200 | 9 | 2 | 338 | 8 | 29 | 179 | | 69 |
| Missouri..... | 4 | 137 | 12 | 10 | 25 | 0 | 51 | 223 | 3 | 242 |
| New Jersey..... | 6 | 211 | 5 | 3 | 138 | | 49 | 116 | 2 | 101 |

Number of Cases of Certain Communicable Diseases Reported for the Month of June, 1925, by State Health Officers

| State | Chicken pox | Diphtheria | Measles | Mumps | Scarlet fever | Small-pox | Tuberculosis | Typhoid fever | Whooping cough |
|----------------------------|-------------|------------|---------|-------|---------------|-----------|------------------|----------------|----------------|
| Alabama ¹ | | | | | | | | | |
| Arizona..... | 16 | 2 | 46 | 7 | 31 | | 64 | 16 | 25 |
| Arkansas..... | 45 | 11 | 78 | 90 | 12 | 10 | ² 63 | 169 | 88 |
| California..... | 624 | 336 | 258 | 852 | 368 | 399 | 770 | 70 | 1,232 |
| Colorado..... | 94 | 98 | 33 | 125 | 88 | 1 | ² 253 | 15 | 133 |
| Connecticut..... | 225 | 123 | 1,049 | 89 | 180 | | 147 | 14 | 458 |
| Delaware..... | 7 | 4 | 41 | | | 2 | 24 | 3 | |
| District of Columbia..... | 18 | 31 | 106 | | 44 | 2 | 111 | 8 | 60 |
| Florida..... | 34 | 42 | 12 | 157 | 12 | 19 | 126 | 70 | 41 |
| Georgia..... | 64 | 31 | 174 | 92 | 15 | 68 | 105 | 317 | 161 |
| Idaho..... | | 23 | | | 5 | | | 4 | |
| Illinois..... | 941 | 323 | 4,010 | 447 | 909 | 192 | 1,189 | 123 | 1,172 |
| Indiana..... | | 78 | | | 292 | | | 45 | |
| Iowa..... | 61 | 38 | 17 | 43 | 42 | 59 | | ² 4 | 32 |
| Kansas..... | 162 | 39 | 36 | 262 | 99 | 47 | 190 | 56 | 412 |
| Kentucky ⁴ | | | | | | | | | |
| Louisiana..... | 8 | 30 | 7 | 2 | 45 | 33 | ² 134 | 302 | 73 |
| Maine..... | 54 | 20 | 25 | 238 | 43 | | 32 | 7 | 13 |
| Maryland..... | 340 | 74 | 303 | 249 | 112 | 3 | 295 | 44 | 422 |
| Massachusetts..... | 601 | 357 | 3,094 | 161 | 563 | | 755 | 27 | 522 |
| Michigan..... | 821 | 296 | 2,359 | 228 | 1,001 | 117 | 592 | 31 | 916 |
| Minnesota..... | 618 | 228 | 96 | | 562 | 28 | 348 | 9 | 150 |
| Mississippi..... | 287 | 33 | 202 | 868 | 13 | 119 | 341 | 653 | 694 |
| Missouri..... | 140 | 176 | 61 | 145 | 390 | 99 | 256 | 41 | 200 |
| Montana..... | 18 | 12 | 6 | 48 | 73 | 17 | 53 | 4 | 17 |
| Nebraska..... | | 26 | | | 20 | | | 3 | |
| Nevada ⁴ | | | | | | | | | |
| New Hampshire ⁴ | | | | | | | | | |
| New Jersey..... | 686 | 274 | 1,575 | | 511 | 17 | 494 | 29 | 781 |
| New Mexico..... | 15 | 10 | 21 | 19 | 6 | 1 | 71 | 25 | 39 |
| New York..... | 2,421 | 1,363 | 3,807 | 777 | 1,222 | 83 | 2,018 | 191 | 1,287 |
| North Carolina..... | 196 | 82 | 36 | | 43 | 174 | | 159 | 453 |
| North Dakota..... | 42 | 6 | 3 | 19 | 67 | 15 | 5 | 1 | 62 |
| Ohio..... | 1,037 | 237 | 2,135 | 226 | 824 | 464 | 648 | 91 | 1,024 |
| Oklahoma..... | 62 | 28 | 15 | 46 | 58 | 37 | 122 | 295 | 325 |
| Oregon..... | 55 | 104 | 17 | 65 | 58 | 62 | 63 | 11 | 96 |
| Pennsylvania..... | 976 | 714 | 5,601 | 824 | 1,217 | 21 | 492 | 117 | 1,193 |
| Rhode Island..... | | 27 | | | 33 | 6 | | 7 | |
| South Carolina..... | 4 | 115 | 25 | 9 | 20 | 101 | 289 | 518 | 626 |
| South Dakota..... | 3 | 11 | 10 | 6 | 88 | 10 | 7 | 6 | 18 |
| Tennessee ¹ | | | | | | | | | |
| Texas ⁴ | | | | | | | | | |
| Utah..... | 395 | 54 | 24 | 135 | 50 | 5 | 12 | 21 | 403 |
| Vermont..... | 114 | 6 | 203 | 181 | 26 | | 31 | 1 | 34 |
| Virginia..... | 304 | 54 | 903 | | 62 | 61 | 139 | 153 | 580 |
| Washington..... | 260 | 79 | 32 | 221 | 99 | 153 | 142 | 24 | 485 |
| West Virginia..... | 84 | 20 | 338 | | 88 | 57 | 37 | 38 | 179 |
| Wisconsin..... | 559 | 144 | 1,477 | 577 | 425 | 188 | 148 | 9 | 433 |
| Wyoming..... | 29 | 5 | | 18 | 23 | 2 | | 3 | 16 |

¹ Report not received at time of going to press.² Pulmonary.³ Reports not required by law.⁴ Reports received weekly.⁵ Reports received annually.

Case Rates per 1,000 Population (Annual Basis) for the Month of June, 1925

| State | Chick- en pox | Diph- theria | Meas- les | Mumps | Scarlet fever | Small- pox | Tuber- culosis | Ty- phoid fever | Whoop- ing cough |
|----------------------------|---------------------|-----------------|--------------|-------|------------------|---------------|-------------------|-----------------------|------------------------|
| Alabama ¹ | | | | | | | | | |
| Arizona | 0.50 | 0.06 | 1.43 | 0.22 | 0.96 | | 1.99 | 0.50 | 0.78 |
| Arkansas | .31 | .08 | .53 | .62 | .08 | .07 | 1.43 | 1.16 | .60 |
| California | 1.97 | 1.06 | .81 | 2.68 | 1.16 | 1.26 | 2.43 | .22 | 3.88 |
| Colorado | 1.17 | 1.22 | .41 | 1.55 | 1.09 | .01 | 3.14 | .19 | 1.65 |
| Connecticut | 1.86 | 1.02 | 8.68 | .74 | 1.49 | | 1.22 | .12 | 3.79 |
| Delaware | .38 | .22 | 2.21 | | .22 | .11 | 1.30 | .16 | |
| District of Columbia | .46 | .79 | 2.70 | | 1.12 | .05 | 2.82 | .20 | 1.53 |
| Florida | .39 | .49 | .14 | 1.82 | .14 | .22 | 1.46 | .81 | .48 |
| Georgia | .27 | .13 | .72 | .38 | .06 | .28 | .43 | 1.31 | .67 |
| Idaho | | .59 | | | .13 | | | .10 | |
| Illinois | 1.71 | .59 | 7.29 | .81 | 1.65 | .35 | 2.16 | .22 | 2.13 |
| Indiana | | .32 | | | 1.21 | | | .19 | |
| Iowa | .31 | .19 | .09 | .22 | .21 | .30 | | 1.02 | .16 |
| Kansas | 1.13 | .27 | .25 | 1.83 | .69 | .33 | 1.33 | .39 | 2.88 |
| Kentucky ⁴ | | | | | | | | | |
| Louisiana | .05 | .20 | .05 | .01 | .30 | .22 | 1.90 | 2.04 | .49 |
| Maine | .87 | .32 | .40 | 3.85 | .70 | | .52 | .11 | .21 |
| Maryland | 2.80 | .61 | 2.50 | 2.05 | .92 | .02 | 2.43 | .36 | 3.45 |
| Massachusetts | 1.84 | 1.10 | 9.50 | .49 | 1.73 | | 2.32 | .08 | 1.60 |
| Michigan | 2.50 | .90 | 7.19 | .70 | 3.05 | .36 | 1.81 | .09 | 2.79 |
| Minnesota | 3.05 | 1.13 | .47 | | 2.78 | .14 | 1.72 | .04 | .74 |
| Mississippi | 2.03 | .23 | 1.43 | 6.14 | .09 | .84 | 2.41 | 4.62 | 4.91 |
| Missouri | .51 | .64 | .22 | .53 | 1.43 | .36 | .94 | .15 | .73 |
| Montana | .35 | .23 | .12 | .94 | 1.43 | .33 | 1.04 | .08 | .33 |
| Nebraska | | .24 | | | .19 | | | .03 | |
| Nevada ⁵ | | | | | | | | | |
| New Hampshire ⁵ | | | | | | | | | |
| New Jersey | 2.48 | .99 | 5.69 | | 1.85 | .06 | 1.78 | .10 | 2.82 |
| New Mexico | .50 | .33 | .70 | .63 | .20 | .03 | 2.37 | .84 | 1.30 |
| New York | 2.76 | 1.54 | 4.34 | .89 | 1.39 | .09 | 2.30 | .22 | 1.47 |
| North Carolina | .90 | .38 | .17 | | .20 | .80 | | .73 | 2.08 |
| North Dakota | .78 | .11 | .06 | .35 | 1.24 | .28 | .09 | .02 | 1.14 |
| Ohio | 2.08 | .47 | 4.28 | .45 | 1.65 | .93 | 1.30 | .18 | 2.05 |
| Oklahoma | .35 | .16 | .08 | .28 | .33 | .21 | .69 | 1.67 | 1.84 |
| Oregon | .82 | 1.56 | .25 | .97 | .87 | .93 | .94 | .16 | 1.44 |
| Pennsylvania | 1.33 | .97 | 7.61 | 1.12 | 1.65 | .03 | .67 | .16 | 1.62 |
| Rhode Island | | .53 | | | .65 | .12 | | .14 | |
| South Carolina | .03 | .82 | .18 | .06 | .14 | .72 | 2.06 | 3.69 | 4.46 |
| South Dakota | .06 | .21 | .19 | .11 | 1.67 | .19 | .13 | .11 | .34 |
| Tennessee ¹ | | | | | | | | | |
| Texas ⁴ | | | | | | | | | |
| Utah | 10.16 | 1.39 | .62 | 3.47 | 1.29 | .13 | .31 | .54 | 10.37 |
| Vermont | 4.10 | .22 | 7.30 | 6.51 | .93 | | 1.11 | .04 | 1.22 |
| Virginia | 1.57 | .28 | 4.67 | | .32 | .32 | .72 | .79 | 3.00 |
| Washington | 2.23 | .68 | .27 | 1.89 | .85 | 1.31 | 1.22 | .21 | 4.16 |
| West Virginia | .66 | .16 | 2.67 | | .70 | .45 | .29 | .30 | 1.42 |
| Wisconsin | 2.53 | .65 | 6.68 | 2.61 | 1.92 | .85 | .67 | .04 | 1.96 |
| Wyoming | 1.66 | .29 | | 1.03 | 1.31 | .11 | | .17 | .91 |

¹ Report not received at time of going to press.² Pulmonary.³ Reports not required by law.⁴ Reports received weekly.⁵ Reports received annually.

PLAGUE-ERADICATIVE MEASURES IN THE UNITED STATES

The following items were taken from the reports of plague-eradicative measures from the cities named:

Los Angeles, Calif.

Week ended Sept. 5, 1925:

| | |
|---|-------|
| Number of rats trapped | 2,456 |
| Number of rats found plague infected | 0 |
| Number of squirrels examined | 635 |
| Number of squirrels found plague infected | 0 |
| Number of mice trapped | 3,079 |
| Number of mice found plague infected | 0 |

Date of discovery of last plague-infected rodent, Aug. 22, 1925.

Date of last human case, Jan. 15, 1925.

Oakland, Calif.

(Including other East Bay communities)

Week ended Sept. 5, 1925:

| | |
|---|-----|
| Number of rats trapped..... | 688 |
| Number of rats found plague infected..... | 0 |

Totals:

| | |
|---|---------|
| Number of rats trapped Jan. 1 to Sept. 5, 1925..... | 67, 108 |
| Number of rats found plague infected..... | 21 |
| Number of squirrels examined May 1 to Aug. 1, 1925..... | 7, 277 |
| Number of squirrels found plague infected..... | 0 |

Date of discovery of last plague-infected rat, Mar. 4, 1925.

Date of last human case, Sept. 10, 1919.

New Orleans, La.

Week ended Sept. 5, 1925:

| | |
|---|--------|
| Number of vessels inspected..... | 19 |
| Number of inspections made..... | 41 |
| Number of vessels fumigated with cyanide gas..... | 8 |
| Number of rodents examined for plague..... | 2, 966 |
| Number of rodents found plague infected..... | 0 |

Totals, Dec. 5, 1924, to Sept. 5, 1925:

| | |
|--|---------|
| Number of rodents examined for plague..... | 165,921 |
| Number of rodents found plague infected..... | 12 |

Date of discovery of last plague-infected rat, Jan. 17, 1925.

Date of last human case occurring in New Orleans, Aug. 20, 1920.

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

Diphtheria.—For the week ended September 5, 1925, 33 States reported 783 cases of diphtheria. For the week ended September 6, 1924, the same States reported 1,123 cases of this disease. One hundred and two cities, situated in all parts of the country and having an aggregate population of nearly 28,700,000, reported 398 cases of diphtheria for the week ended September 5, 1925. Last year for the corresponding week they reported 455 cases. The estimated expectancy for these cities was 600 cases. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Measles.—Thirty States reported 245 cases of measles for the week ended September 5, 1925, and 307 cases of this disease for the week ended September 6, 1924. One hundred and two cities reported 123 cases of measles for the week this year and 108 cases last year.

Poliomyelitis.—The health officers of 34 States reported 306 cases of poliomyelitis for the week ended September 5, 1925. The same States reported 195 cases for the week ended September 6, 1924.

Scarlet fever.—Scarlet fever was reported for the week as follows: 33 States—this year, 679 cases; last year, 724 cases; 102 cities—this year, 309, last year, 247 cases; estimated expectancy, 260 cases.

Smallpox.—For the week ended September 5, 1925, 33 States reported 86 cases of smallpox. Last year, for the corresponding week, they reported 195 cases. One hundred and two cities reported

smallpox for the week as follows: 1925, 27 cases; 1924, 66 cases; estimated expectancy, 18 cases. One death from smallpox was reported by these cities for the week this year—at Los Angeles, Calif.

Typhoid fever.—Nine hundred and ninety-eight cases of typhoid fever were reported for the week ended September 5, 1925, by 32 States. For the corresponding week of 1924 the same States reported 824 cases. One hundred and two cities reported 218 cases of typhoid fever for the week this year and 199 cases for the corresponding week last year. The estimated expectancy for these cities was 258 cases.

Influenza and pneumonia.—Deaths from influenza and pneumonia (combined) were reported for the week by 102 cities as follows: 1925, 405 deaths; 1924, 317 deaths.

City reports for week ended September 5, 1925

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during nonepidemic years.

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1915 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

| Division, State, and city | Population July 1, 1923, estimated | Chicken pox, cases reported | Diphtheria | | Influenza | | Measles, cases reported | Mumps, cases reported | Pneumonia, deaths reported |
|---------------------------|------------------------------------|-----------------------------|-----------------------------|----------------|----------------|-----------------|-------------------------|-----------------------|----------------------------|
| | | | Cases, estimated expectancy | Cases reported | Cases reported | Deaths reported | | | |
| NEW ENGLAND | | | | | | | | | |
| Maine: | | | | | | | | | |
| Portland..... | 73, 129 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| New Hampshire: | | | | | | | | | |
| Concord..... | 22, 408 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermont: | | | | | | | | | |
| Barre..... | ¹ 10, 008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Burlington..... | 23, 613 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Massachusetts: | | | | | | | | | |
| Boston..... | 770, 400 | 4 | 33 | 9 | 1 | 0 | 6 | 0 | 14 |
| Fall River..... | 120, 912 | 0 | 2 | 1 | 0 | 0 | 4 | 0 | 0 |
| Springfield..... | 144, 227 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| Worcester..... | 191, 927 | 0 | 3 | 1 | 0 | 0 | 6 | 0 | 2 |
| Rhode Island: | | | | | | | | | |
| Pawtucket..... | 68, 799 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Providence..... | 242, 378 | 0 | 6 | 2 | 0 | 0 | 3 | 0 | 1 |
| Connecticut: | | | | | | | | | |
| Bridgeport..... | ¹ 143, 555 | 0 | 4 | 3 | 0 | 0 | 1 | 1 | 2 |
| Hartford..... | ¹ 138, 036 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 1 |
| New Haven..... | 172, 967 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIDDLE ATLANTIC | | | | | | | | | |
| New York: | | | | | | | | | |
| Buffalo..... | 536, 718 | 0 | 12 | 4 | 0 | 0 | 0 | 0 | 7 |
| New York..... | 5, 927, 625 | 14 | 92 | 61 | 3 | 2 | 16 | 6 | 93 |
| Rochester..... | 317, 867 | 0 | 3 | 3 | 0 | 1 | 4 | 0 | 7 |
| Syracuse..... | 184, 511 | 0 | 4 | 0 | 0 | 0 | 0 | 7 | 5 |
| New Jersey: | | | | | | | | | |
| Camden..... | 124, 157 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Newark..... | 438, 699 | 5 | 7 | 4 | 3 | 0 | 4 | 3 | 3 |
| Trenton..... | 127, 390 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 3 |

¹ Population Jan. 1, 1920.

City reports for week ended September 5, 1925—Continued

| Division, State, and city | Population July 1, 1923, estimated | Chicken pox, cases reported | Diphtheria | | Influenza | | Measles, cases reported | Mumps, cases reported | Pneumonia, deaths reported |
|---------------------------|------------------------------------|-----------------------------|-----------------------------|----------------|----------------|-----------------|-------------------------|-----------------------|----------------------------|
| | | | Cases, estimated expectancy | Cases reported | Cases reported | Deaths reported | | | |
| MIDDLE ATLANTIC—continued | | | | | | | | | |
| Pennsylvania: | | | | | | | | | |
| Philadelphia..... | 1,922,788 | 6 | 29 | 39 | 1 | 0 | 11 | 0 | 24 |
| Pittsburgh..... | 613,442 | 2 | 17 | 9 | 1 | 2 | 8 | 0 | 23 |
| Reading..... | 110,917 | 0 | 2 | 1 | 0 | 0 | 6 | 0 | 1 |
| Scranton..... | 140,636 | 0 | 2 | 6 | 0 | — | 1 | 0 | — |
| EAST NORTH CENTRAL | | | | | | | | | |
| Ohio: | | | | | | | | | |
| Cincinnati..... | 406,312 | 0 | 5 | 3 | 1 | 3 | 0 | 0 | 4 |
| Cleveland..... | 888,519 | 5 | 23 | 18 | 0 | 0 | 5 | 1 | 12 |
| Columbus..... | 261,082 | 1 | 2 | 3 | 0 | 0 | 1 | 0 | 0 |
| Toledo..... | 268,338 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 3 |
| Indiana: | | | | | | | | | |
| Fort Wayne..... | 93,573 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indianapolis..... | 342,718 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 9 |
| South Bend..... | 70,709 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 2 |
| Terre Haute..... | 68,939 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| Illinois: | | | | | | | | | |
| Chicago..... | 2,886,121 | 5 | 71 | 28 | 5 | 1 | 16 | 1 | 32 |
| Cicero..... | 55,968 | — | 1 | — | — | — | — | — | — |
| Springfield..... | 61,833 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Michigan: | | | | | | | | | |
| Detroit..... | 995,668 | 3 | 36 | 21 | 1 | 0 | 0 | 1 | 11 |
| Flint..... | 117,968 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 1 |
| Grand Rapids..... | 145,947 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 2 |
| Wisconsin: | | | | | | | | | |
| Madison..... | 42,519 | 0 | 1 | 1 | — | — | 4 | 1 | — |
| Milwaukee..... | 484,595 | 3 | 11 | 3 | 0 | 0 | 0 | 3 | 9 |
| Racine..... | 64,393 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Superior..... | 139,671 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST NORTH CENTRAL | | | | | | | | | |
| Minnesota: | | | | | | | | | |
| Duluth..... | 106,289 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| Minneapolis..... | 409,125 | 2 | 14 | 22 | 0 | 1 | 1 | 0 | 2 |
| St. Paul..... | 241,891 | 1 | 12 | 2 | 0 | 0 | 0 | 0 | 5 |
| Iowa: | | | | | | | | | |
| Davenport..... | 61,262 | 0 | 1 | 0 | 0 | — | 0 | 0 | — |
| Des Moines..... | 140,923 | 0 | 2 | 5 | 0 | — | 0 | 0 | — |
| Sioux City..... | 79,662 | 1 | 1 | 0 | 0 | — | 0 | 1 | — |
| Waterloo..... | 39,667 | — | 1 | — | — | — | — | — | — |
| Missouri: | | | | | | | | | |
| Kansas City..... | 351,819 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 2 |
| St. Joseph..... | 78,232 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| St. Louis..... | 803,853 | 1 | 22 | 17 | 0 | 0 | 0 | 2 | 0 |
| North Dakota: | | | | | | | | | |
| Fargo..... | 24,841 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| Grand Forks..... | 14,547 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| South Dakota: | | | | | | | | | |
| Aberdeen..... | 15,829 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sioux Falls..... | 20,206 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Nebraska: | | | | | | | | | |
| Lincoln..... | 58,761 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Omaha..... | 204,382 | 3 | 8 | 2 | 0 | 0 | 2 | 0 | 3 |
| Kansas: | | | | | | | | | |
| Topeka..... | 52,555 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| Wichita..... | 79,261 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| SOUTH ATLANTIC | | | | | | | | | |
| Delaware: | | | | | | | | | |
| Wilmington..... | 117,728 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| Maryland: | | | | | | | | | |
| Baltimore..... | 773,580 | 0 | 16 | 20 | 3 | 0 | 6 | 3 | 8 |
| Cumberland..... | 32,361 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Frederick..... | 11,301 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| District of Columbia: | | | | | | | | | |
| Washington..... | 1,437,571 | 0 | 4 | 1 | 0 | 0 | 1 | 0 | 6 |

¹ Population Jan. 1, 1920.

City reports for week ended September 5, 1925—Continued

| Division, State, and city | Population July 1, 1923, estimated | Chick- en pox, cases re- ported | Diphtheria | | Influenza | | Meas- les, cases re- ported | Mumps, cases re- ported | Pneu- monia, deaths re- ported |
|---------------------------|------------------------------------|---------------------------------|---------------------------------|------------------|------------------|-------------------|-----------------------------|-------------------------|--------------------------------|
| | | | Cases, esti- mated expec- tancy | Cases re- ported | Cases re- ported | Deaths re- ported | | | |
| SOUTH ATLANTIC—CON. | | | | | | | | | |
| Virginia: | | | | | | | | | |
| Lynchburg..... | 30, 277 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Norfolk..... | 159, 089 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Richmond..... | 181, 044 | 0 | 7 | 14 | 0 | 0 | 1 | 5 | 5 |
| Roanoke..... | 55, 502 | 0 | 2 | 8 | 0 | 0 | 0 | 0 | 0 |
| West Virginia: | | | | | | | | | |
| Charleston..... | 45, 597 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Huntington..... | 57, 918 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wheeling..... | 56, 208 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| North Carolina: | | | | | | | | | |
| Raleigh..... | 29, 171 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Wilmington..... | 35, 719 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| Winston-Salem..... | 56, 230 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| South Carolina: | | | | | | | | | |
| Charleston..... | 71, 245 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Columbia..... | 39, 688 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greenville..... | 25, 789 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 |
| Georgia: | | | | | | | | | |
| Atlanta..... | 222, 963 | 0 | 4 | 2 | 4 | 0 | 1 | 0 | 2 |
| Brunswick..... | 15, 937 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Savannah..... | 89, 448 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Florida: | | | | | | | | | |
| St. Petersburg..... | 24, 403 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tampa..... | 56, 050 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| EAST SOUTH CENTRAL | | | | | | | | | |
| Kentucky: | | | | | | | | | |
| Covington..... | 57, 877 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Louisville..... | 257, 671 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 8 |
| Tennessee: | | | | | | | | | |
| Memphis..... | 170, 067 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 5 |
| Nashville..... | 121, 128 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| Alabama: | | | | | | | | | |
| Birmingham..... | 195, 901 | 0 | 4 | 2 | 3 | 0 | 0 | 0 | 4 |
| Mobile..... | 63, 858 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Montgomery..... | 45, 383 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 |
| WEST SOUTH CENTRAL | | | | | | | | | |
| Arkansas: | | | | | | | | | |
| Fort Smith..... | 30, 635 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Little Rock..... | 70, 916 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Louisiana: | | | | | | | | | |
| New Orleans..... | 404, 575 | 0 | 7 | 1 | 2 | 1 | 0 | 0 | 9 |
| Shreveport..... | 54, 590 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oklahoma: | | | | | | | | | |
| Oklahoma..... | 101, 150 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Texas: | | | | | | | | | |
| Dallas..... | 177, 274 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 2 |
| Galveston..... | 46, 877 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Houston..... | 154, 970 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| San Antonio..... | 184, 727 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| MOUNTAIN | | | | | | | | | |
| Montana: | | | | | | | | | |
| Billings..... | 16, 927 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Great Falls..... | 27, 787 | 1 | 1 | 2 | 0 | 0 | 0 | 4 | 0 |
| Helena..... | 12, 037 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missoula..... | 12, 668 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Idaho: | | | | | | | | | |
| Boise..... | 22, 806 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado: | | | | | | | | | |
| Denver..... | 272, 031 | 2 | 8 | 5 | 0 | 2 | 0 | 1 | 6 |
| Pueblo..... | 43, 519 | 3 | 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico: | | | | | | | | | |
| Albuquerque..... | 10, 648 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Arizona: | | | | | | | | | |
| Phoenix..... | 33, 899 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah: | | | | | | | | | |
| Salt Lake City..... | 126, 241 | 4 | 2 | 8 | 0 | 0 | 0 | 8 | 3 |
| Nevada: | | | | | | | | | |
| Reno..... | 12, 429 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

City reports for week ended September 5, 1925—Continued

| Division, State, and city | Population July 1, 1923, estimated | Chick- en pox, cases re- ported | Diphtheria | | Influenza | | Meas- les, cases re- ported | Mumps, cases re- ported | Pneu- monia, deaths re- ported |
|---------------------------|------------------------------------|---------------------------------|---------------------------------|------------------|------------------|-------------------|-----------------------------|-------------------------|--------------------------------|
| | | | Cases, esti- mated expec- tancy | Cases re- ported | Cases re- ported | Deaths re- ported | | | |
| PACIFIC | | | | | | | | | |
| Washington: | | | | | | | | | |
| Seattle..... | 1 315,685 | 3 | 3 | | | | 1 | 3 | |
| Spokane..... | 104,573 | | 2 | | | | | | |
| Tacoma..... | 101,731 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| California: | | | | | | | | | |
| Los Angeles..... | 666,853 | 3 | 21 | 15 | 0 | 0 | 5 | 5 | 14 |
| Sacramento..... | 69,950 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| San Francisco..... | 539,038 | 7 | 14 | 8 | 0 | 0 | 3 | 6 | 10 |

| Division, State, and city | Scarlet fever | | Smallpox | | | Tuberculosis, deaths reported | Typhoid fever | | | Whooping cough, cases reported | Deaths, all causes |
|---------------------------|-----------------------------|----------------|-----------------------------|----------------|-----------------|-------------------------------|-----------------------------|----------------|-----------------|--------------------------------|--------------------|
| | Cases, estimated expectancy | Cases reported | Cases, estimated expectancy | Cases reported | Deaths reported | | Cases, estimated expectancy | Cases reported | Deaths reported | | |
| NEW ENGLAND | | | | | | | | | | | |
| Maine: | | | | | | | | | | | |
| Portland..... | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 24 |
| New Hampshire: | | | | | | | | | | | |
| Concord..... | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 |
| Vermont: | | | | | | | | | | | |
| Barre..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Burlington..... | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 8 |
| Massachusetts: | | | | | | | | | | | |
| Boston..... | 14 | 9 | 0 | 0 | 0 | 11 | 4 | 6 | 0 | 33 | 192 |
| Fall River..... | 1 | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 7 | 23 |
| Springfield..... | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 26 |
| Worcester..... | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 16 | 34 |
| Rhode Island: | | | | | | | | | | | |
| Pawtucket..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Providence..... | 2 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 3 | 53 |
| Connecticut: | | | | | | | | | | | |
| Bridgeport..... | 1 | 2 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 8 | 26 |
| Hartford..... | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 31 |
| New Haven..... | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 0 | 5 | 42 |
| MIDDLE ATLANTIC | | | | | | | | | | | |
| New York: | | | | | | | | | | | |
| Buffalo..... | 4 | 7 | 0 | 0 | 0 | 10 | 4 | 0 | 2 | 6 | 120 |
| New York..... | 23 | 20 | 0 | 0 | 0 | 104 | 50 | 40 | 9 | 52 | 1,187 |
| Rochester..... | 3 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 6 | 68 |
| Syracuse..... | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 10 | 48 |
| New Jersey: | | | | | | | | | | | |
| Camden..... | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 4 | 25 |
| Newark..... | 4 | 4 | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 15 | 88 |
| Trenton..... | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 2 | 25 |
| Pennsylvania: | | | | | | | | | | | |
| Philadelphia..... | 13 | 16 | 0 | 0 | 0 | 31 | 15 | 7 | 0 | 44 | 394 |
| Pittsburgh..... | 8 | 10 | 1 | 0 | 0 | 8 | 5 | 1 | 0 | 5 | 161 |
| Reading..... | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 15 | 32 |
| Scranton..... | 0 | 2 | 0 | 0 | | | 1 | 0 | | | |
| EAST NORTH CENTRAL | | | | | | | | | | | |
| Ohio: | | | | | | | | | | | |
| Cincinnati..... | 3 | 3 | 0 | 0 | 0 | 9 | 3 | 2 | 1 | 2 | 112 |
| Cleveland..... | 8 | 6 | 0 | 0 | 0 | 14 | 5 | 2 | 0 | 49 | 158 |
| Columbus..... | 2 | 0 | 0 | 4 | 0 | 0 | 2 | 1 | 0 | 7 | 69 |
| Toledo..... | 5 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 1 | 8 | 55 |
| Indiana: | | | | | | | | | | | |
| Fort Wayne..... | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 1 | 17 |
| Indianapolis..... | 3 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 8 | 107 |
| South Bend..... | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Terre Haute..... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |

¹ Population Jan. 1, 1920.² Pulmonary tuberculosis only.

City reports for week ended September 5, 1925—Continued

| Division, State, and city | Scarlet fever | | Smallpox | | | Tuber- culosis, deaths re- ported | Typhoid fever | | | Whoop- ing cough, cases re- ported | Deaths, all causes |
|------------------------------|---|------------------------|---|------------------------|-------------------------|---|---|------------------------|-------------------------|---|--------------------------|
| | Cases, esti- mated expect- ancy | Cases re- ported | Cases, esti- mated expect- ancy | Cases re- ported | Deaths re- ported | | Cases, esti- mated expect- ancy | Cases re- ported | Deaths re- ported | | |
| SOUTH ATLANTIC— continued | | | | | | | | | | | |
| Georgia: | | | | | | | | | | | |
| Atlanta..... | 4 | 0 | 1 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 60 |
| Brunswick..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Savannah..... | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 32 |
| Florida: | | | | | | | | | | | |
| St. Petersburg..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 |
| Tampa..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 26 |
| EAST SOUTH CEN- TRAL | | | | | | | | | | | |
| Kentucky: | | | | | | | | | | | |
| Covington..... | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 2 | 1 | 0 | ----- |
| Louisville..... | 1 | 7 | 0 | 1 | 0 | 1 | 6 | 1 | 0 | 4 | 77 |
| Tennessee: | | | | | | | | | | | |
| Memphis..... | 1 | 1 | 0 | 0 | 0 | 5 | 6 | 17 | 4 | 3 | 65 |
| Nashville..... | 2 | 4 | 0 | 0 | 0 | 4 | 6 | 7 | 2 | 0 | 31 |
| Alabama: | | | | | | | | | | | |
| Birmingham.... | 3 | 12 | 0 | 1 | 0 | 9 | 7 | 3 | 0 | 8 | 56 |
| Mobile..... | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 11 |
| Montgomery..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | ----- |
| WEST SOUTH CEN- TRAL | | | | | | | | | | | |
| Arkansas: | | | | | | | | | | | |
| Fort Smith..... | 0 | 2 | 0 | 0 | ----- | ----- | 0 | 0 | ----- | 0 | ----- |
| Little Rock..... | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 5 | 1 | 0 | ----- |
| Louisiana: | | | | | | | | | | | |
| New Orleans..... | 1 | 3 | 0 | 0 | 0 | 14 | 5 | 7 | 1 | 12 | 135 |
| Shreveport..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 0 | 0 | ----- |
| Oklahoma: | | | | | | | | | | | |
| Oklahoma..... | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 35 |
| Texas: | | | | | | | | | | | |
| Dallas..... | 1 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 2 | 4 | 46 |
| Galveston..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 11 |
| Houston..... | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 41 |
| San Antonio..... | 1 | 0 | 0 | 0 | 0 | 9 | 0 | 3 | 1 | 0 | 55 |
| MOUNTAIN | | | | | | | | | | | |
| Montana: | | | | | | | | | | | |
| Billings..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Great Falls..... | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 10 |
| Helena..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Missoula..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 |
| Idaho: | | | | | | | | | | | |
| Boise..... | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| Colorado: | | | | | | | | | | | |
| Denver..... | 2 | 3 | 1 | 0 | 0 | 9 | 6 | 1 | 1 | 12 | 75 |
| Pueblo..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | ----- | 11 |
| New Mexico: | | | | | | | | | | | |
| Albuquerque..... | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 8 |
| Arizona: | | | | | | | | | | | |
| Phoenix..... | ----- | 1 | ----- | 0 | 0 | 5 | ----- | 0 | 0 | 2 | 15 |
| Utah: | | | | | | | | | | | |
| Salt Lake City.. | 1 | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 19 | 29 |
| Nevada: | | | | | | | | | | | |
| Reno..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| PACIFIC | | | | | | | | | | | |
| Washington: | | | | | | | | | | | |
| Seattle..... | 4 | ----- | 2 | 3 | ----- | ----- | 2 | 2 | ----- | 8 | ----- |
| Spokane..... | 3 | ----- | 1 | ----- | ----- | ----- | 1 | ----- | ----- | ----- | ----- |
| Tacoma..... | 1 | 4 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 17 |
| California: | | | | | | | | | | | |
| Los Angeles..... | 6 | 8 | 1 | 7 | 1 | 23 | 5 | 4 | 1 | 21 | 203 |
| Sacramento..... | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 18 |
| San Francisco.... | 5 | 5 | 1 | 2 | 0 | 11 | 2 | 2 | 1 | 8 | 125 |

City reports for week ended September 5, 1925—Continued

| Division, State, and city | Cerebrospinal meningitis | | Lethargic encephalitis | | Pellagra | | Poliomyelitis (infantile paralysis) | | |
|---------------------------|--------------------------|--------|------------------------|--------|----------|--------|-------------------------------------|-------|--------|
| | Cases | Deaths | Cases | Deaths | Cases | Deaths | Cases, estimated expectancy | Cases | Deaths |
| WEST SOUTH CENTRAL | | | | | | | | | |
| Louisiana: | | | | | | | | | |
| New Orleans..... | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Oklahoma: | | | | | | | | | |
| Oklahoma City..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Texas: | | | | | | | | | |
| Houston..... | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| San Antonio..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| MOUNTAIN | | | | | | | | | |
| Montana: | | | | | | | | | |
| Missoula..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Idaho: | | | | | | | | | |
| Boise..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Colorado: | | | | | | | | | |
| Denver..... | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Utah: | | | | | | | | | |
| Salt Lake City..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| PACIFIC | | | | | | | | | |
| Washington: | | | | | | | | | |
| Seattle..... | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| Tacoma..... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| California: | | | | | | | | | |
| Los Angeles..... | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| Sacramento..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| San Francisco..... | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 1 |

The following table gives the rates per hundred thousand population for 105 cities for the 10-week period ended September 5, 1925. The population figures used in computing the rates were estimated as of July 1, 1923, as this is the latest date for which estimates are available. The 105 cities reporting cases had an estimated aggregate population of nearly 29,000,000 and the 97 cities reporting deaths had more than 28,000,000 population. The number of cities included in each group and the aggregate populations are shown in a separate table below.

Summary of weekly reports from cities, June 28 to September 5, 1925—Annual rates per 100,000 population¹

DIPHTHERIA CASE RATES

| | Week ended— | | | | | | | | | |
|-------------------------|-------------|---------|---------|---------|--------|--------|---------|---------|---------|---------|
| | July 4 | July 11 | July 18 | July 25 | Aug. 1 | Aug. 8 | Aug. 15 | Aug. 22 | Aug. 29 | Sept. 5 |
| 105 cities..... | 293 | 296 | 279 | 278 | 278 | 287 | 280 | 270 | 275 | 272 |
| New England..... | 117 | 62 | 62 | 62 | 62 | 82 | 92 | 52 | 42 | 45 |
| Middle Atlantic..... | 96 | 127 | 97 | 91 | 92 | 83 | 78 | 73 | 63 | 62 |
| East North Central..... | 287 | 289 | 273 | 268 | 274 | 2101 | 272 | 255 | 272 | 261 |
| West North Central..... | 131 | 98 | 85 | 106 | 100 | 107 | 113 | 102 | 118 | 103 |
| South Atlantic..... | 41 | 55 | 26 | 45 | 50 | 57 | 73 | 63 | 72 | 112 |
| East South Central..... | 6 | 23 | 11 | 11 | 11 | 29 | 34 | 63 | 40 | 34 |
| West South Central..... | 60 | 42 | 28 | 70 | 46 | 23 | 51 | 60 | 97 | 32 |
| Mountain..... | 181 | 105 | 124 | 115 | 153 | 168 | 162 | 76 | 172 | 315 |
| Pacific..... | 12145 | 125 | 99 | 104 | 67 | 148 | 84 | 104 | 110 | 1280 |

MEASLES CASE RATES

| 105 cities..... | 228 | 2193 | 2159 | 2105 | 273 | 253 | 248 | 231 | 228 | 222 |
|-------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| New England..... | 350 | 283 | 261 | 216 | 186 | 132 | 129 | 97 | 89 | 52 |
| Middle Atlantic..... | 258 | 249 | 199 | 128 | 77 | 69 | 57 | 38 | 34 | 25 |
| East North Central..... | 2321 | 225 | 2191 | 2119 | 272 | 247 | 237 | 219 | 222 | 221 |
| West North Central..... | 31 | 35 | 29 | 19 | 29 | 11 | 30 | 6 | 4 | 6 |
| South Atlantic..... | 262 | 211 | 148 | 95 | 71 | 45 | 43 | 35 | 25 | 24 |
| East South Central..... | 97 | 120 | 80 | 63 | 29 | 11 | 17 | 6 | 11 | 0 |
| West South Central..... | 5 | 0 | 0 | 5 | 0 | 0 | 9 | 9 | 0 | 0 |
| Mountain..... | 38 | 57 | 29 | 38 | 105 | 120 | 19 | 29 | 29 | 0 |
| Pacific..... | 1237 | 41 | 64 | 20 | 35 | 29 | 20 | 12 | 6 | 128 |

SCARLET FEVER CASE RATES

| 105 cities..... | 296 | 290 | 261 | 257 | 256 | 253 | 259 | 253 | 246 | 256 |
|-------------------------|------|-----|-----|-----|-----|------|-----|-----|-----|------|
| New England..... | 112 | 147 | 80 | 72 | 75 | 102 | 84 | 92 | 70 | 47 |
| Middle Atlantic..... | 79 | 81 | 45 | 43 | 37 | 33 | 35 | 23 | 27 | 30 |
| East North Central..... | 2122 | 297 | 267 | 267 | 264 | 252 | 258 | 258 | 248 | 262 |
| West North Central..... | 198 | 143 | 108 | 122 | 124 | 120 | 137 | 147 | 112 | 126 |
| South Atlantic..... | 59 | 45 | 47 | 16 | 35 | 22 | 41 | 43 | 22 | 59 |
| East South Central..... | 74 | 126 | 80 | 29 | 63 | 63 | 40 | 34 | 29 | 143 |
| West South Central..... | 46 | 9 | 23 | 32 | 31 | 56 | 70 | 51 | 19 | 37 |
| Mountain..... | 105 | 153 | 86 | 162 | 86 | 1139 | 95 | 67 | 29 | 76 |
| Pacific..... | 1271 | 52 | 61 | 46 | 49 | 64 | 87 | 44 | 70 | 1252 |

SMALLPOX CASE RATES

| 105 cities..... | 214 | 216 | 215 | 210 | 210 | 29 | 27 | 26 | 28 | 25 |
|-------------------------|------|-----|-----|-----|-----|------|----|----|----|------|
| New England..... | 0 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middle Atlantic..... | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| East North Central..... | 214 | 212 | 210 | 28 | 24 | 26 | 23 | 22 | 28 | 25 |
| West North Central..... | 17 | 21 | 17 | 12 | 15 | 29 | 11 | 6 | 4 | 24 |
| South Atlantic..... | 10 | 24 | 8 | 16 | 2 | 2 | 2 | 4 | 10 | 2 |
| East South Central..... | 63 | 80 | 46 | 40 | 23 | 51 | 23 | 40 | 57 | 11 |
| West South Central..... | 5 | 5 | 14 | 5 | 5 | 14 | 9 | 5 | 14 | 5 |
| Mountain..... | 29 | 19 | 19 | 0 | 57 | 1120 | 10 | 10 | 10 | 10 |
| Pacific..... | 1289 | 102 | 119 | 67 | 84 | 67 | 67 | 44 | 29 | 1240 |

¹ The figures given in this table are rates per 100,000 population, annual basis, and not the number of cases reported. Populations used are estimated as of July 1, 1923.

² Cicero, Ill., and Spokane, Wash., not included. Reports not received at time of going to press.

³ Cicero, Ill., not included.

⁴ Cicero, Ill., and Tampa, Fla., not included.

⁵ Cicero, Ill., Waterloo, Iowa, and Helena, Mont., not included.

⁶ Cicero, Ill., and Greenville, S. C., not included.

⁷ Cicero, Ill., Waterloo, Iowa, and Spokane, Wash., not included.

⁸ Waterloo, Iowa, not included.

⁹ Tampa, Fla., not included.

¹⁰ Greenville, S. C., not included.

¹¹ Helena, Mont., not included.

¹² Spokane, Wash., not included.

*Summary of weekly reports from cities, June 28 to September 5, 1925—Annual rates
per 100,000 population—Continued*

TYPHOID FEVER CASE RATES

| | Week ended— | | | | | | | | | |
|-------------------------|-------------|---------|---------|---------|--------|--------|---------|---------|---------|---------|
| | July 4 | July 11 | July 18 | July 25 | Aug. 1 | Aug. 8 | Aug. 15 | Aug. 22 | Aug. 29 | Sept. 5 |
| 105 cities..... | 35 | 35 | 38 | 34 | 41 | 41 | 48 | 57 | 47 | 740 |
| New England..... | 22 | 25 | 32 | 22 | 22 | 27 | 40 | 32 | 27 | 30 |
| Middle Atlantic..... | 15 | 17 | 25 | 21 | 30 | 23 | 33 | 45 | 30 | 29 |
| East North Central..... | 10 | 14 | 12 | 8 | 10 | 21 | 19 | 31 | 28 | 19 |
| West North Central..... | 21 | 44 | 44 | 39 | 48 | 43 | 58 | 48 | 35 | 21 |
| South Atlantic..... | 69 | 59 | 55 | 53 | 66 | 59 | 91 | 110 | 94 | 61 |
| East South Central..... | 200 | 177 | 223 | 177 | 183 | 274 | 217 | 183 | 177 | 183 |
| West South Central..... | 246 | 185 | 134 | 172 | 178 | 130 | 102 | 134 | 111 | 176 |
| Mountain..... | 10 | 29 | 19 | 48 | 57 | 107 | 105 | 105 | 115 | 29 |
| Pacific..... | 22 | 17 | 32 | 29 | 46 | 17 | 44 | 64 | 55 | 31 |

INFLUENZA DEATH RATES

| 105 cities..... | 4 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 4 | 3 |
|-------------------------|----|----|----|----|----|----|----|----|----|----|
| New England..... | 2 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| Middle Atlantic..... | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 3 | 3 |
| East North Central..... | 5 | 2 | 3 | 1 | 10 | 3 | 3 | 1 | 4 | 3 |
| West North Central..... | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 2 |
| South Atlantic..... | 6 | 0 | 4 | 4 | 2 | 6 | 0 | 0 | 2 | 2 |
| East South Central..... | 11 | 17 | 0 | 6 | 0 | 6 | 6 | 11 | 6 | 0 |
| West South Central..... | 10 | 10 | 10 | 0 | 0 | 5 | 0 | 10 | 15 | 5 |
| Mountain..... | 0 | 0 | 0 | 10 | 0 | 11 | 10 | 10 | 11 | 19 |
| Pacific..... | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |

PNEUMONIA DEATH RATES

| 105 cities..... | 58 | 61 | 57 | 50 | 61 | 56 | 63 | 55 | 64 | 73 |
|-------------------------|----|----|----|----|-----|----|----|----|-----|-----|
| New England..... | 45 | 45 | 50 | 52 | 55 | 37 | 30 | 40 | 42 | 55 |
| Middle Atlantic..... | 62 | 64 | 63 | 52 | 65 | 65 | 73 | 65 | 65 | 84 |
| East North Central..... | 45 | 59 | 47 | 40 | 52 | 38 | 51 | 43 | 54 | 64 |
| West North Central..... | 42 | 39 | 55 | 42 | 42 | 53 | 44 | 31 | 53 | 33 |
| South Atlantic..... | 75 | 67 | 51 | 55 | 63 | 73 | 81 | 63 | 84 | 57 |
| East South Central..... | 97 | 91 | 74 | 63 | 74 | 69 | 63 | 80 | 69 | 143 |
| West South Central..... | 61 | 61 | 76 | 66 | 111 | 71 | 87 | 82 | 112 | 76 |
| Mountain..... | 67 | 76 | 86 | 57 | 76 | 29 | 57 | 67 | 76 | 86 |
| Pacific..... | 82 | 74 | 45 | 65 | 69 | 78 | 90 | 53 | 69 | 106 |

² Cicero, Ill., and Spokane, Wash., not included. Reports not received at time of going to press.

³ Cicero, Ill., not included.

⁴ Cicero, Ill., and Tampa, Fla., not included.

⁵ Cicero, Ill., Waterloo, Iowa, and Helena, Mont., not included.

⁶ Cicero, Ill., and Greenville, S. C., not included.

⁷ Cicero, Ill., Waterloo, Iowa, and Spokane, Wash., not included.

⁸ Waterloo, Iowa, not included.

⁹ Tampa, Fla., not included.

¹⁰ Greenville, S. C., not included.

¹¹ Helena, Mont., not included.

¹² Spokane, Wash., not included.

¹³ Cicero, Ill., and Helena, Mont., not included.

*Number of cities included in summary of weekly reports and aggregate population
of cities in each group, estimated as of July 1, 1923*

| Group of cities | Number of cities reporting cases | Number of cities reporting deaths | Aggregate population of cities reporting cases | Aggregate population of cities reporting deaths |
|-------------------------|----------------------------------|-----------------------------------|--|---|
| Total..... | 105 | 97 | 28,898,350 | 28,140,934 |
| New England..... | 12 | 12 | 2,098,746 | 2,098,746 |
| Middle Atlantic..... | 10 | 10 | 10,304,114 | 10,304,114 |
| East North Central..... | 17 | 17 | 7,032,535 | 7,032,535 |
| West North Central..... | 14 | 11 | 2,515,330 | 2,381,454 |
| South Atlantic..... | 22 | 22 | 2,566,901 | 2,566,901 |
| East South Central..... | 7 | 7 | 911,885 | 911,885 |
| West South Central..... | 8 | 6 | 1,124,564 | 1,023,013 |
| Mountain..... | 9 | 9 | 546,445 | 546,445 |
| Pacific..... | 6 | 3 | 1,797,830 | 1,275,841 |

FOREIGN AND INSULAR

CANADIAN QUARANTINE REGULATIONS AMENDED

Under order in council of August 20, 1925, sections 9, 32, 43, 43 (a), and 45 of the Canadian quarantine regulations were amended to read as follows:

9. Vessels enumerated below, except when coming from an infected port, and provided they are free from quarantinable or other infectious disease, shall be regarded as coastwise vessels, and as such exempted from quarantine inspection:

(a) Vessels operating exclusively between Newfoundland ports and ports of Canada. Such vessels passing through the Panama Canal to ports of Canada on the Pacific coast do not thereby lose their coastwise status, provided they have not touched at other than United States ports and Panama Canal way ports en route.

(b) Vessels operating exclusively between ports of the United States and ports of Canada. Such vessels passing through the Panama Canal from United States ports on the Atlantic coast to ports of Canada on the Pacific coast or vice versa do not thereby lose their coastwise status, provided they have not touched at any foreign port other than way ports on the Panama Canal en route.

32. Vessels coming from a plague-infected port shall produce evidence satisfactory to the quarantine officer that every precaution has been taken to prevent rats from getting aboard by the use of mooring line guards, breasting out from wharf, guarding gangways when in use and removing same at night, inspection of cargo that might harbor rats, etc.; otherwise such vessels shall be fumigated.

Such vessels on arrival at any port of Canada shall exercise the same precaution to prevent rats from leaving the vessel or getting aboard as are referred to in the preceding paragraph.

43. All costs incurred in the maintenance of an attendance upon all persons, other than crews, who are ill with, or under observation for any infectious disease, as well as upon all healthy persons (whether passengers or members of crew) who may have been exposed to infection or who have refused vaccination (see sections 28 and 29), detained at a quarantine station, will be a charge upon the vessel from which such persons are removed, according to a scale of fees approved by the minister.

(a) No charge will, however, be made against a vessel for the treatment and maintenance at quarantine of any sick member of a vessel's crew, such cost being already provided for by the payment on the part of the vessel of the duty levied under Part V of the Canada shipping act as amended July 1, 1920, covering the treatment of sick and distressed mariners.

45. The cost of all disinfection, disinfestation, and fumigation of ships shall be a charge against such vessels, according to a scale of fees approved by the minister. The collection of these fees shall be made by the collector of customs and excise of the port at which a vessel is fumigated.

EGYPT

Plague—Port Said—Suez—Summary (comparative).—During the week ended August 19, 1925, two cases of plague, occurring respectively at Port Said and Suez, were reported in Egypt. The total number of cases reported from January 1 to August 19, 1925, was 98, as compared with 347 cases occurring during the corresponding period of the year 1924.

FINLAND

Typhoid and paratyphoid fever—July, 1925.—During the month of July, 1925, 55 cases of typhoid fever and 59 cases of paratyphoid fever were reported in the Republic of Finland. Population, 3,469,402.

GREECE

Malaria—Typhus fever—Saloniki—July 21–August 17, 1925.—During the four-week period ended August 17, 1925, 70 deaths from malaria and two cases of typhus fever with one death were reported at Saloniki, Greece.

JAMAICA

Smallpox (reported as alastrim).—During the four-week period from August 2 to 29, 1925, 43 cases of smallpox (reported as alastrim) of which 13 cases occurred in the town and parish of Kingston, were reported in the island of Jamaica.

Chicken pox—Typhoid fever.—During the same period 29 cases of chicken pox, of which three cases occurred in the town and parish of Kingston, were reported in the island. The typhoid fever prevalence was reported as follows: Island, 35 cases; Kingston, 4 cases.

SPAIN

Contamination of drinking water—Vigo.—Information dated August 27, 1925, states that the drinking water at Vigo, Spain, is contaminated and that the sanitary authorities have recommended that all water consumed for domestic purposes be boiled.

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

The reports contained in the following tables must not be considered as complete or final as regards either the lists of countries included or the figures for the particular countries for which reports are given.

Reports Received During Week Ended September 25, 1925 ¹**CHOLERA**

| Place | Date | Cases | Deaths | Remarks |
|---------------|----------------------|-------|--------|---------|
| Ceylon..... | May 31-June 27..... | 94 | 62 | |
| Do..... | June 28-July 11..... | 19 | 15 | |
| India: | | | | |
| Bombay..... | July 19-Aug. 1..... | 2 | 1 | |
| Calcutta..... | July 26-Aug. 1..... | 12 | 11 | |
| Madras..... | Aug. 2-15..... | 7 | 2 | |
| Rangoon..... | July 26-Aug. 1..... | 1 | 1 | |

PLAGUE

| | | | | |
|----------------|----------------------|----|----|------------------------------------|
| Ceylon: | | | | |
| Colombo..... | Aug. 2-8..... | 1 | 1 | |
| China: | | | | |
| Nanking..... | July 25-Aug. 15..... | | | Present. |
| Egypt: | | | | Aug. 13-19, 1925: Cases, 2. Total, |
| City— | | | | Jan. 1-Aug. 19, 1925, cases, 98. |
| Port Said..... | Aug. 16..... | 1 | 1 | For corresponding period year |
| Suez..... | Aug. 19..... | 1 | 1 | 1924, cases, 347. |
| France: | | | | Septicemic. |
| Marseille..... | Aug. 13..... | 3 | | Two of these cases previously |
| India: | | | | reported as of Aug. 18. |
| Bombay..... | July 19-Aug. 25..... | 4 | 3 | |
| Karachi..... | July 31-Aug. 6..... | 1 | 1 | |
| Rangoon..... | July 28-Aug. 1..... | 27 | 25 | |
| Java: | | | | |
| Batavia..... | July 25-31..... | 23 | 23 | Province. |
| Nigeria..... | May..... | 7 | 4 | |
| Siam: | | | | |
| Bangkok..... | July 26-Aug. 1..... | 1 | 1 | . |

SMALLPOX

| | | | | |
|---------------------|----------------------|-------|-----|---------------------------------|
| Canada: | | | | |
| British Columbia— | | | | |
| Vancouver..... | Aug. 17-23..... | 2 | 1 | Secondary. |
| Ontario— | | | | |
| Kingston..... | Aug. 23-29..... | 1 | | |
| China: | | | | |
| Amoy..... | July 26-Aug. 8..... | | | Present. |
| Antung..... | Aug. 3-9..... | 1 | | |
| Foochow..... | July 25-31..... | | | Do. |
| Hongkong..... | July 19-25..... | 1 | | |
| Manchuria— | | | | |
| Dairen..... | July 20-26..... | 1 | | |
| Nanking..... | July 26-Aug. 15..... | | | Do. |
| Swatow..... | Aug. 2-8..... | | | Stated to be endemic. |
| Chosen..... | January-April..... | 1,067 | 243 | |
| France..... | June 1-30..... | 25 | | |
| Gold Coast..... | May..... | 12 | | |
| Greece..... | June..... | 1 | | |
| Haiti: | | | | |
| Port au Prince..... | Aug. 23-29..... | 1 | | Reported at Jean Rabel Aug. 27. |
| India: | | | | |
| Bombay..... | July 19-Aug. 1..... | 6 | 5 | |
| Calcutta..... | July 26-Aug. 1..... | 5 | 5 | |
| Madras..... | Aug. 2-15..... | 49 | 20 | |
| Rangoon..... | July 26-Aug. 1..... | 1 | | |
| Italy..... | May 31-June 27..... | 25 | | |
| Do..... | June 28-July 4..... | 9 | | |
| Jamaica..... | Aug. 2-29..... | 43 | | Reported as alastrim. |
| Kingston..... | do..... | 13 | | Do. |
| Japan: | | | | |
| Taiwan..... | June 1-30..... | 11 | | |

¹ 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 September 25, 1925—Continued

SMALLPOX—Continued

| Place | Date | Cases | Deaths | Remarks |
|----------------|--------------------|-------|--------|--|
| Java: | | | | |
| Batavia..... | July 25-31..... | 2 | | Province. |
| Soerabaya..... | July 5-18..... | 112 | 14 | |
| Lithuania..... | May..... | 1 | | |
| Mexico: | | | | |
| Durango..... | Aug. 1-31..... | | 9 | Later than previously published reports. |
| Nigeria..... | May..... | 161 | 9 | |
| Russia..... | January-March..... | 5,243 | | |
| Do..... | April..... | 490 | | |
| Rumania..... | March-May..... | 2 | 1 | |
| Spain: | | | | |
| Malaga..... | Aug. 16-22..... | | 2 | |
| Sumatra: | | | | |
| Padang..... | July 12-18..... | 1 | | |
| Tunis: | | | | |
| Tunis..... | Aug. 16-25..... | 3 | 7 | |
| Uruguay..... | April..... | 6 | | |

TYPHUS FEVER

| | | | | |
|------------------------|--------------------|--------|-----|--|
| Bulgaria..... | April-June..... | 88 | 5 | Later than previously published reports. |
| Chile: | | | | |
| Iquique..... | Aug. 8-15..... | | 1 | |
| Greece..... | June..... | 3 | | |
| Lithuania..... | May..... | 40 | 2 | |
| Mexico: | | | | |
| Tampico..... | Aug. 20-31..... | 1 | | |
| Morocco..... | June..... | 59 | | |
| Russia..... | January-March..... | 24,595 | | |
| Do..... | April..... | 5,512 | | |
| Rumania..... | January-May..... | 1,360 | 152 | |
| Union of South Africa: | | | | Outbreaks. |
| Cape Province..... | July 19-25..... | | | |

Reports Received from June 27 to September 18, 1925¹

CHOLERA

| Place | Date | Cases | Deaths | Remarks |
|------------------------|----------------------|-------|--------|--|
| Algeria: | | | | |
| Algiers..... | May 11-20..... | 1 | | Jan. 25-May 30, 1925: Cases, 78; deaths, 58. |
| Ceylon: | | | | |
| Colombo..... | May 10-16..... | 2 | 2 | |
| China: | | | | |
| Shanghai..... | July 26-Aug. 15..... | 82 | 39 | Apr. 26-June 27, 1925: Cases, 33,647; deaths, 19,950. June 28-July 4, 1925: Cases, 1,813; deaths, 1,104. |
| India: | | | | |
| Bombay..... | May 10-June 27..... | 2 | 1 | |
| Do..... | June 28-July 18..... | 7 | 6 | Feb. 8-14, 1925: Cases, 2; deaths, 2. (Received out of date.) |
| Calcutta..... | May 3-9..... | 58 | 49 | |
| Do..... | May 17-23..... | 79 | 61 | |
| Do..... | June 14-20..... | 12 | 11 | |
| Do..... | July 5-25..... | 29 | 20 | |
| Madras Presidency..... | June 6-20..... | 4 | 1 | |
| Do..... | July 5-Aug. 1..... | 6 | 5 | |
| Rangoon..... | May 3-June 6..... | 22 | 15 | |
| Do..... | June 14-27..... | 12 | 8 | Including 100 square kilometers of surrounding territory. |
| Do..... | June 28-July 25..... | 2 | 3 | |
| Indo-China: | | | | |
| Saigon..... | May 4-June 7..... | 4 | 3 | |
| Do..... | June 22-July 12..... | 3 | | |
| Japan: | | | | |
| Kobe..... | Sept. 4-6..... | 5 | 2 | |
| Yokohama..... | Sept. 2..... | 5 | 3 | |

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

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

Reports Received from June 27 to September 18, 1925—Continued

CHOLERA—Continued

| Place | Date | Cases | Deaths | Remarks |
|------------------------|----------------------|-------|--------|---------------------------------|
| Philippine Islands: | | | | |
| Albay— | | | | |
| Tabaco..... | June 14-20..... | 1 | 1 | |
| Bulacan..... | do..... | 1 | 1 | |
| Do..... | June 28-July 18..... | 3 | 2 | |
| Camarines Sur..... | July 3-9..... | 1 | — | |
| Lagonoy..... | June 6-12..... | 2 | 1 | |
| Leyte..... | July 8-14..... | 1 | 1 | |
| Manila..... | June 15-28..... | 3 | — | |
| Do..... | June 29-Aug. 2..... | 16 | 4 | June 1-Aug. 8, 1925: Cases, 17. |
| Mountain Province..... | June 23-29..... | 1 | 1 | |
| Siam: | | | | |
| Bangkok..... | Apr. 29-June 27..... | 9 | 4 | |
| Turkey: | | | | |
| Constantinople..... | May 16-22..... | 1 | — | |

PLAGUE

| | | | | |
|-----------------------------|----------------------|-----|----|--|
| Brazil: | | | | |
| Bahia..... | May 3-June 13..... | 5 | 4 | |
| British East Africa: | | | | |
| Uganda..... | Feb. 1-28..... | 28 | 28 | |
| Entebbe..... | May 4-June 4..... | 78 | 73 | Apr. 1-May 31, 1925: Cases, 129; deaths, 118. |
| Ceylon: | | | | |
| Colombo..... | May 10-June 30..... | 11 | 10 | |
| Do..... | June 28-July 25..... | 9 | 7 | |
| China: | | | | |
| Foochow..... | May 24-31..... | | | Reported present in epidemic form. |
| North Manchuria..... | May 27..... | 2 | 1 | |
| Ecuador: | | | | |
| Guayaquil..... | June 1-15..... | 1 | 1 | May 16-June 30, 1925: Rats examined, 30,347; found infected, 95. July 1-Aug. 15, 1925: Rats taken, 31,366; rats found infected, 107. |
| Egypt: | | | | Jan. 1-Aug. 12, 1925: Cases, 96. |
| City..... | | | | |
| Alexandria..... | June 17-24..... | 2 | 2 | Bubonic. |
| Port Said..... | June 17-Aug. 6..... | 8 | 3 | |
| Do..... | July 30-Aug. 12..... | 2 | | |
| Suez..... | June 14-27..... | 3 | 2 | Do. |
| Province— | | | | |
| Assiout..... | June 5..... | 1 | 1 | |
| Beni-Souef..... | June 10-16..... | 8 | 4 | |
| Do..... | Aug. 6-12..... | 5 | 2 | |
| Charkieh..... | June 6-8..... | 1 | 1 | |
| Kena..... | June 17..... | 1 | 1 | |
| Minia..... | June 6-17..... | 3 | 2 | |
| France: | | | | |
| Marseille..... | Aug. 18..... | 2 | | |
| Gold Coast: | March-April..... | 3 | 3 | |
| Greece: | | | | |
| Athens..... | July 1-Aug. 14..... | 26 | | |
| Piræus..... | July 18-Aug. 14..... | 9 | | |
| Hawaii Territory: | | | | |
| Honokaa..... | June 28..... | | | Plague-infected rat. |
| Do..... | Aug. 7..... | 1 | | |
| Do..... | Aug. 15..... | | | Plauge-infected rat, near Paaulo. |
| Kukuhalee..... | July 31..... | | | Plauge-infected rat. |
| Paauhau..... | Aug. 12..... | | | Do. |
| India: | | | | Apr. 26-June 27, 1925: Cases, 10,166; deaths, 8,913. June 28-July 4, 1925: Cases, 175; deaths, 127. |
| Bombay..... | Apr. 26-June 27..... | 65 | 59 | |
| Do..... | June 28-July 18..... | 9 | 6 | |
| Calcutta..... | May 30-June 6..... | 1 | 1 | |
| Do..... | July 5-11..... | 1 | 1 | |
| Karachi..... | May 18-June 6..... | 4 | 3 | |
| Madras..... | May 10-June 27..... | 15 | 8 | |
| Do..... | June 28-Aug. 1..... | 20 | 7 | |
| Rangoon..... | May 3-June 27..... | 113 | 95 | Feb. 8-14, 1925: Cases, 13; deaths, 13. (Received out of date.) |
| Do..... | June 28-July 4..... | 20 | 18 | |
| Do..... | July 12-25..... | 34 | 28 | |

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

Reports Received from June 27 to September 18, 1925—Continued

PLAGUE—Continued

| Place | Date | Cases | Deaths | Remarks |
|---|----------------------|-------|--------|---|
| Indo-China: Cochin-China— Saigon..... | Apr. 20-June 21.... | 3 | 3 | Including 100 square kilometers of surrounding country. |
| Iraq: Bagdad..... | May 24-June 6.... | 9 | | |
| Do..... | June 21-27..... | 5 | 1 | |
| Java: Batavia..... | May 6-June 19..... | 32 | 31 | |
| Do..... | July 5-24..... | 42 | 42 | In Province. |
| Cheribon..... | Apr. 2-June 13..... | | 78 | |
| Do..... | July 11-17..... | 1 | 1 | |
| Paseroean Residency..... | Mar. 7-May 25..... | | | Epidemic in several localities. |
| Pekalongan..... | Apr. 9-June 13..... | | 86 | |
| Soerabaya..... | May 7-27..... | 3 | 3 | |
| Do..... | June 28-July 4..... | 16 | 1 | |
| Soerakarta Residency..... | May 28..... | | | Epidemic at Kalidgambe. |
| Tegal..... | Apr. 2-May 16..... | | 36 | |
| Do..... | May 24-June 13..... | | 16 | |
| Madagascar: Province— Itasy..... | Apr. 1-15..... | 1 | 1 | |
| Tananarive..... | Apr. 1-June 30..... | 232 | 200 | |
| Town— Tamatave (port)..... | Apr. 1-15..... | 2 | | |
| Do..... | June 1-7..... | | 1 | |
| Tananarive..... | Apr. 16-May 31..... | 5 | 5 | |
| Mauritius..... | | | | April, 1925: One case. |
| Nigeria: Do..... | December, 1924..... | 17 | 13 | |
| Do..... | January, 1925..... | 10 | 6 | |
| Do..... | March-April..... | 18 | 14 | |
| Peru: Callao..... | July, 1925..... | | | Present. Press reports. |
| Cañete..... | August, 1925..... | | | Do. |
| Lima..... | Aug. 14..... | 14 | | Press reports. |
| Russia: Kalmyk District..... | May 19-31..... | 10 | 8 | |
| North Caucasus..... | June 6-7..... | 2 | 2 | |
| Urts..... | May 25-June 3..... | 2 | 2 | In laboratory worker and contact. Locality, Province of Bukevsk. |
| Siam: Bangkok..... | Apr. 26-June 20..... | 13 | 11 | |
| Do..... | June 28-July 11..... | 2 | 2 | |
| Straits Settlements: Singapore..... | May 3-30..... | 9 | 9 | |
| Do..... | June 28-July 18..... | 2 | 2 | |
| Tunis: Tunis..... | Aug. 12-18..... | | | Plague rodent. |
| Turkey: Constantinople..... | May 25-31..... | 1 | | |
| Union of South Africa: Cape Province— Kimberly..... | June 14-20..... | 1 | 1 | In a Malay camp. |
| Do..... | | | | One plague-infected house mouse. |
| Orange Free State— Boshof District..... | June 28-July 4..... | 1 | 1 | Native. |
| On vessel: Steamship Elstratos Cavoundsis..... | July 7-11..... | 4 | 1 | At Alexandria, Egypt. Vessel arrived July 7, 1925. Regular route, ports in Syria, Greece, and Port Said. Dead rats reported found on board. |
| Steamship Arcadia..... | July 24-27..... | 2 | | At Piræus, Greece, from Alexandria, Egypt. |
| Steamship Anatolia..... | Aug. 8..... | 1 | | At Piræus, Greece, from Alexandria, Egypt. |

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

Reports Received from June 27 to September 18, 1925—Continued

SMALLPOX

| Place | Date | Cases | Deaths | Remarks |
|------------------------------|----------------------|-------|--------|----------------------------------|
| Algeria: | | | | |
| Algiers..... | May 1-June 30..... | 43 | 2 | |
| Do..... | July 1-31..... | 51 | | |
| Constantine..... | do..... | 47 | | |
| Brazil: | | | | |
| Bahia..... | June 28-Aug. 1..... | 5 | 3 | |
| Pernambuco..... | Apr. 26-May 30..... | 40 | 21 | |
| Do..... | June 7-27..... | 5 | 3 | |
| Do..... | July 5-18..... | 1 | 1 | |
| Porto Alegre..... | June 14-20..... | 1 | 1 | |
| Rio de Janeiro..... | May 9-June 27..... | 5 | 1 | |
| Do..... | June 28-July 25..... | 29 | 17 | |
| British East Africa: | | | | |
| Kenya— | | | | |
| Mombasa..... | Apr. 19-June 20..... | 27 | 13 | |
| Do..... | July 5-18..... | 21 | | |
| Nairobi..... | May 3-9..... | 3 | 2 | |
| Tanganyika Territory..... | Apr. 5-May 23..... | 82 | 24 | |
| Do..... | June 14-27..... | 48 | 3 | |
| Uganda..... | Feb. 1-28..... | 2 | | |
| British South Africa: | | | | |
| Northern Rhodesia..... | Apr. 28-May 4..... | 3 | | |
| Southern Rhodesia..... | June 11-July 1..... | 2 | | |
| Bulgaria: | | | | |
| Sofia..... | Aug. 6-19..... | 2 | | |
| Canada: | | | | |
| Alberta— | | | | |
| Calgary..... | Aug. 2-8..... | 1 | | From Crossfield, Alberta. |
| British Columbia— | | | | |
| Vancouver..... | June 1-28..... | 7 | | |
| Do..... | July 6-Aug. 15..... | 12 | | |
| New Brunswick— | | | | |
| Restigouche County..... | June 1-30..... | 1 | | |
| Ontario..... | | | | May 31-July 25, 1925: Cases, 20; |
| Galt..... | June 14-20..... | 2 | | deaths, 1. Corresponding pe- |
| Kingston..... | do..... | 1 | | riod, 1924: Cases, 24. |
| North Bay..... | June 28-July 18..... | 3 | | |
| Quebec— | | | | |
| Quebec..... | July 26-Aug. 1..... | 2 | 2 | |
| Saskatchewan— | | | | |
| Regina..... | May 24-30..... | 3 | | |
| China: | | | | |
| Amoy..... | May 17-June 30..... | | 7 | |
| Do..... | July 12-25..... | | | Present. |
| Antung..... | May 11-July 5..... | 8 | | |
| Do..... | July 26..... | 1 | | |
| Canton..... | May 10-June 13..... | | | Do. |
| Chungking..... | May 3-30..... | | | Widespread. |
| Foochow..... | May 9-July 18..... | | | Present. |
| Hongkong..... | Apr. 19-June 13..... | 15 | 12 | |
| Manchuria— | | | | |
| Dairen..... | Apr. 13-June 28..... | 115 | 17 | |
| Do..... | June 28-July 19..... | 3 | 2 | |
| Harbin..... | May 13-June 2..... | 2 | | |
| Nanking..... | May 9-July 25..... | | | Do. |
| Shanghai..... | May 3-June 6..... | 5 | 2 | |
| Do..... | July 6-25..... | 1 | 1 | |
| Swatow..... | May 17-July 11..... | | | Stated to be endemic. |
| Tientsin..... | May 9-June 6..... | 3 | | |
| Do..... | July 12-18..... | 1 | | |
| Chosen: | | | | |
| Seoul..... | May 1-June 30..... | 2 | | |
| Egypt: | | | | |
| Alexandria..... | May 21-27..... | 1 | 1 | |
| Cairo..... | Mar. 19-May 13..... | 5 | | |
| France..... | | | | February-May, 1925: Cases, 77. |
| Paris..... | May 21-31..... | 1 | | |
| Germany: | | | | |
| Baden (state)..... | July 12-25..... | 2 | 1 | |
| Stuttgart..... | July 5-11..... | 3 | 1 | |
| Gold Coast..... | | | | January-April, 1925: Cases, 367; |
| | | | | deaths, 29. |

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

Reports Received from June 27 to September 18, 1925—Continued

SMALLPOX—Continued

| Place | Date | Cases | Deaths | Remarks |
|-------------------|-----------------|-------|--------|---|
| Great Britain: | | | | |
| England and Wales | | | | May 24-June 27, 1925: Cases, 441. |
| Birmingham | July 7-13 | 1 | | June 28-Aug. 15, 1925: Cases, 450. |
| Cardiff | June 14-20 | 1 | | |
| Do | Aug. 2-8 | 14 | 8 | |
| Newcastle-on-Tyne | May 31-June 27 | 4 | | |
| Do | June 28-Aug. 8 | 8 | 1 | |
| Greece: | | | | January-May, 1925: Cases, 46; deaths, 8. |
| Athens | May 1-31 | | 2 | |
| Do | June 24-30 | 27 | 3 | |
| Do | July 1-31 | 14 | 1 | |
| Hungary: | | | | |
| Budapest | July 5-18 | 13 | | |
| India: | | | | Apr. 26-June 27, 1925: Cases, 37,107; deaths, 9,152. June 28-July 4, 1925: Cases, 2,334; deaths, 714. |
| Bombay | Apr. 26-June 27 | 156 | 115 | |
| Do | June 28-July 4 | 15 | 10 | |
| Calcutta | May 3-9 | 109 | 100 | |
| Do | May 17-23 | 75 | 61 | |
| Do | May 31-June 20 | 88 | 81 | |
| Do | July 5-25 | 36 | 25 | |
| Karachi | May 18-June 27 | 6 | 1 | |
| Do | June 28-July 4 | 1 | 1 | |
| Madras | May 18-June 27 | 152 | 66 | |
| Do | June 28-July 18 | 68 | 25 | |
| Rangoon | May 3-June 27 | 207 | 99 | |
| Do | June 28-July 4 | 2 | 1 | |
| Do | July 12-25 | 16 | 10 | |
| Indo-China: | | | | |
| Cochin-China— | | | | |
| Saigon | Apr. 20-May 21 | 13 | 9 | Including 100 square kilometers of surrounding country. |
| Irak: | | | | Jan. 11-May 30, 1925: Cases, 136; deaths, 46. |
| Bagdad | Apr. 26-June 20 | 4 | 1 | |
| Italy: | | | | |
| Turin | Dec. 28-May 30 | 72 | | |
| Do | Aug. 17-23 | 2 | 2 | |
| Venice | July 27-Aug. 2 | 3 | | |
| Jamaica: | | | | Apr. 26-June 27, 1925: Cases, 110. June 28-Aug. 1, 1925: Cases, 59 (reported as alastrim). |
| Kingston | Apr. 26-June 27 | 19 | | Reported as alastrim. |
| Do | June 28-Aug. 1 | 22 | | Do. |
| Japan: | | | | |
| Kobe | May 24-June 27 | 2 | | |
| Nagasaki | May 15-21 | 2 | | |
| Do | July 6-19 | 1 | 1 | |
| Taiwan | July 1-10 | 1 | | |
| Tokyo | June 14-20 | 1 | | |
| Yokohama | May 25-June 12 | 3 | | |
| Java: | | | | |
| Batavia | May 2-June 26 | 2 | | |
| Do | July 4-24 | 3 | | |
| Brebes | Apr. 22-28 | 1 | | |
| Cheribon | Apr. 16-22 | | 1 | |
| Pekalongan | Apr. 2-8 | 1 | | |
| Rembang Residency | Apr. 23 | | | |
| Soerabaya | Apr. 16-June 27 | 304 | 41 | Epidemic at Kawedanan. |
| Do | June 28-July 4 | 16 | 1 | |
| South Bantam | Apr. 16-22 | 1 | | |
| Tegal | Mar. 29-May 2 | 2 | 1 | |
| Latvia | | | | May-June, 1925: Cases, 4. |
| Lithuania | | | | February-April, 1925: Cases, 5. |
| Malta: | | | | |
| Do | June 1-30 | 9 | | |
| Do | July 1-31 | 5 | | |
| Mexico: | | | | |
| Durango | do | | 11 | |
| Do | do | | 13 | |
| Guadalajara | June 2-20 | | 10 | |
| Do | June 20-Aug. 31 | | 16 | |
| Mexico City | May 24-June 27 | 12 | | Including municipalities in Federal district. |
| Do | July 5-11 | 3 | | Do. |
| Do | July 26-Aug. 15 | 7 | | Epidemic at El Hule and other localities. |
| Oaxaca, State | Aug. 14 | | | |
| San Luis Potosi | Aug. 16-22 | | 1 | |
| Tampico | June 1-10 | | 1 | |
| Do | July 1-31 | 4 | 2 | |

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

Reports Received from June 27 to September 18, 1925—Continued

SMALLPOX—Continued

| Place | Date | Cases | Deaths | Remarks |
|------------------------|----------------------|-------|--------|---|
| Morocco: | | | | |
| Tangier..... | May 17-June 5..... | | | Present among natives. |
| Nigeria..... | | | | December, 1924: Cases, 40; deaths, 16. |
| Do..... | | | | January-April, 1925: Cases, 1,377; deaths, 123. |
| Persia: | | | | |
| Teheran..... | Mar. 21-May 21..... | | 29 | |
| Peru: | | | | |
| Arequipa..... | June 1-30..... | | 1 | |
| Poland: | | | | Mar. 1-May 23, 1925: Cases, 30. |
| Portugal: | | | | |
| Lisbon..... | Apr. 26-June 27..... | 36 | 6 | |
| Do..... | June 28-Aug. 15..... | 40 | 14 | |
| Oporto..... | June 14-20..... | 1 | | |
| Do..... | July 19-Aug. 15..... | 5 | | |
| Rumania..... | | | | January-February, 1925: Cases, 20. |
| Russia..... | | | | December, 1924: Cases, 1,000. |
| | | | | January-March, 1925: Cases, 2,457. Later than previously published reports. |
| Siam: | | | | |
| Bangkok..... | Apr. 26-June 27..... | 27 | 19 | |
| Do..... | June 28-July 11..... | 2 | 1 | |
| Spain: | | | | |
| Malaga..... | May 24-June 20..... | | 15 | |
| Do..... | July 5-Aug. 15..... | | 18 | |
| Valencia..... | May 31-June 27..... | 3 | 1 | |
| Straits Settlements: | | | | |
| Singapore..... | May 17-23..... | 1 | | |
| Do..... | July 5-11..... | 1 | 1 | |
| Sumatra: | | | | |
| Pedang..... | July 18-24..... | 3 | | |
| Switzerland: | | | | |
| Berne..... | June 7-13..... | 1 | | |
| Lucerne..... | June 14-20..... | 4 | | |
| Syria: | | | | |
| Beirut..... | Apr. 21-30..... | 1 | | |
| Tripoli..... | | | | Jan. 3-April, 1925: Cases, 14. |
| Tunis: | | | | |
| Tunis..... | May 6-June 30..... | | 46 | |
| Do..... | July 1-Aug. 11..... | | 27 | |
| Turkey: | | | | |
| Constantinople..... | May 16-22..... | 2 | | |
| Union of South Africa: | | | | |
| Cape Province..... | May 24-July 11..... | | | Outbreaks. |
| Port Elizabeth..... | Apr. 18-25..... | 8 | 1 | |
| Transvaal..... | May 3-June 6..... | | | Do. |
| Uruguay..... | | | | December, 1924: Cases, 8. |
| Do..... | | | | February-March, 1925: Cases, 4. |

TYPHUS FEVER

| | | | | |
|---------------------|---------------------|-----|----|--|
| Algeria: | | | | |
| Algiers..... | May 11-20..... | 6 | 2 | In vicinity, 12 cases. Isolated. |
| Do..... | July 1-31..... | 17 | 8 | |
| Constantine..... | July 1-10..... | 17 | | District. |
| Do..... | July 21-31..... | 7 | | Department. |
| Oran..... | do..... | 8 | | Do. |
| Bulgaria: | | | | November-December, 1924: 1 case. |
| Sofia..... | May 28-June 3..... | 2 | | January-March, 1925: Cases, 36; deaths, 2. |
| Chile: | | | | |
| Valparaiso..... | May 10-July 18..... | | 9 | |
| China: | | | | |
| Manchuria— | | | | |
| Harbin..... | May 19-June 2..... | 2 | | |
| Czechoslovakia..... | | | | April, 1925: 1 case. |
| Egypt: | | | | |
| Alexandria..... | May 7-June 3..... | 3 | 1 | |
| Do..... | July 9-15..... | 1 | | |
| Cairo..... | Mar. 26-May 13..... | 6 | 4 | |
| Do..... | May 21-June 10..... | 165 | 30 | |

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

Reports Received from June 27 to September 18, 1925—Continued

TYPHUS FEVER—Continued

| Place | Date | Cases | Deaths | Remarks |
|-----------------------|-----------------|-------|--------|--|
| Egypt—Continued. | | | | |
| Port Said | May 14-20 | 1 | 1 | |
| Do. | July 30-Aug. 12 | 4 | 1 | |
| Estonia | | | | Apr. 1-May 30, 1925: Cases, 6. |
| Great Britain: | | | | |
| Scotland— | | | | |
| Greenock | Aug. 6-18 | 7 | | |
| Greece | | | | January-May, 1925: Cases, 54; deaths, 6. |
| Athens | May 1-31 | | 2 | |
| Kalamata | Apr. 1-30 | | 2 | |
| Patras | June 28-July 4 | | 2 | |
| Iraq: | | | | |
| Bagdad | July 12-18 | 1 | | |
| Ireland: | | | | |
| Cork County | Aug. 25 | 3 | | |
| Latvia | | | | April-June, 1925: Cases, 26. |
| Libau | July 14-20 | 1 | | |
| Lithuania | | | | March-April, 1925: Cases, 118; deaths, 5. |
| Mexico: | | | | |
| Mexico City | May 24-June 6 | 24 | | Including municipalities in Federal district. |
| Do. | June 28-Aug. 1 | 39 | | Do. |
| San Luis Potosi | June 28-July 4 | | 1 | |
| Morocco | | | | January-May, 1925: Cases, 362. Later than previously published reports. |
| Palestine: | | | | |
| Dagania | July 21-27 | 1 | | |
| Ekron | do | 1 | | |
| Jaffa District | June 2-8 | 2 | | |
| Jerusalem | July 29-Aug. 3 | 2 | | From Ramleh District. |
| Majdal | May 26-June 8 | 3 | | |
| Ramleh | May 19-25 | 1 | | |
| Safad | June 9-15 | 1 | | |
| Do. | July 21-27 | 1 | | |
| Tel Aviv | do | 1 | | |
| Persia: | | | | |
| Teheran | Apr. 21-May 21 | | 1 | |
| Peru: | | | | |
| Arequipa | Apr. 1-June 30 | | 3 | |
| Poland | | | | Mar. 1-Apr. 11, 1925: Cases, 1,195; deaths, 74. May 10-16, 1925: Cases, 262; deaths, 18. |
| Portugal: | | | | |
| Oporto | May 31-June 6 | 1 | | |
| Do. | July 5-11 | 1 | | |
| Rumania: | | | | |
| Constantza | May 1-June 30 | 2 | | |
| Russia | | | | December, 1924: Cases, 5,062. January-March, 1925: Cases, 18,336. Later than previously published reports. |
| Spain: | | | | |
| Valencia | June 7-13 | | 1 | |
| Tunis: | | | | |
| Tunis | May 21-June 17 | 16 | 8 | |
| Do. | July 8-Aug. 18 | 10 | 5 | |
| Turkey: | | | | |
| Constantinople | May 11-31 | 7 | 2 | |
| Union of South Africa | | | | June, 1925: Cases, 61; deaths, 4. |
| Cape Province | Apr. 19-July 4 | 39 | 5 | June, 1925: Cases, 26; deaths, 1. |
| Natal | May 3-July 11 | 14 | | June, 1925: Cases, 2. |
| Durban | Feb. 1-July 4 | 18 | | |
| Orange Free State | Feb. 1-June 27 | 26 | 4 | June, 1925: Cases, 27; deaths, 1. |
| Hoopstad | July 5-11 | | | Outbreaks. |
| Transvaal | do | 11 | 2 | June, 1925: Cases, 6; deaths, 2. |
| Johannesburg | July 19-25 | 1 | | |
| Yugoslavia: | | | | |
| Belgrade | June 8-14 | 1 | | |
| Zagreb | May 8-21 | 7 | 1 | |

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

Reports Received from June 27 to September 18, 1925—Continued

YELLOW FEVER

| Place | Date | Cases | Deaths | Remarks |
|-----------------|-------------------|-------|--------|---------|
| Gold Coast..... | Apr. 1-30..... | 1 | ----- | |
| Ivory Coast: | | | | |
| Lahou..... | June 1-10..... | 1 | 1 | |
| Liberia: | | | | |
| Monrovia..... | Aug. 7..... | 4 | ----- | |
| Nigeria: | | | | |
| Ibaden..... | Apr. 24-30..... | 1 | ----- | |
| Lagos..... | Apr. 29-May 5.... | 4 | 1 | |