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ROCKY MOUNTAIN SPOTTED FEVER: CERTAIN CHARACTERISTICS OF BLOOD VIRUS

By R. R. SPENCER, Surgeon, and R. R. PARKER, Special Expert, United States Public Health Service

The experiments outlined below suggest that some of the virus in the blood of animals infected with Rocky Mountain spotted fever is inseparable from the red and white blood cells, that it has a strong affinity for the same cells of normal animals, that it can be easily separated from the platelets, and that it exists in a form not readily demonstrated by our present methods of staining. In this connection it is interesting to note that Kusama (quoted by Segal) and Segal (1) reported that the virus of typhus fever was not associated with leucocytes or erythrocytes, but with the platelets.

The apparent disparity between the number of demonstrable organisms in the blood of animals infected with Rocky Mountain spotted fever, and the high degree of infectiousness of the same blood has often been noted.

Ricketts (2), for example, saw in the blood serum of infected man, monkeys, and guinea pigs an occasional "diplococcuslike body with an eosin-staining intermediate substance." These bodies could be "found in any preparation of infected blood during a search of not more than a half hour's duration." Ricketts has also shown that 0.7 c. c. of red cells after the tenth washing was infectious, while 10 c. c. of the supernatant fluid after the tenth washing was not infectious. White cells after the third washing were infectious in 5 c. c. amounts. Smaller amounts of cell suspensions were not injected and the amount of the dilution after each washing was not given.

Wolbach (3) states that "the demonstration of the parasite in the circulating blood is extremely difficult."

Connor (4) by diluting spotted-fever serum five times with salt solution and centrifuging (2,000 revolutions per minute) for six hours was able to demonstrate in smears of the residue a few organisms identical with forms in tick and animal tissue described by Wolbach (3) and Nicholson (5). Connor says: "The unusual virulence of the blood (0.001 c. c. often being infectious) seems somewhat incompatible with the exceedingly small number of organisms found."

EXPERIMENTS

Experiment No. 1: Effect of high-speed centrifugation on virus in cell-free serum.—The blood serum of two spotted-fever-infected guinea pigs was pooled and a sample removed to determine the minimal

infectious dose by injecting graded dilutions into guinea pigs (two animals to each dilution).

The remaining pooled serum was then centrifuged at 8,800 revolutions per minute for 15 minutes in a Leune centrifuge. One cubic centimeter of the top was carefully removed and used for graded injections into animals as before. All of the remaining fluid, except 1 c. c. at the bottom, which contained a small amount of sediment, was discarded. This residue was similarly injected into animals in graded dilutions.

Result.—The serum before centrifugation produced spotted fever in both animals receiving 1/500 c. c. but not in those receiving less amounts.

The top serum of the centrifuged portion produced spotted fever in guinea pigs receiving 1/10 c. c. but not in less amounts.

Injection of the lower centrifuged portion produced spotted fever in one of the guinea pigs receiving 1/100 c. c. but not in the other nor in those receiving less amounts.

Centrifugation for a longer period than 15 minutes was inadvisable because of the great amount of heat produced by the high-speed machine. The heat was probably responsible for the decrease in infectivity of the centrifuged sediment.

In smears made from the top serum and stained with Giemsa's solution no organisms could be found. A few scattered rickettsia-like forms could be found in smears of the lower portion.

Experiment No. 2: Association of the virus with washed red cells.—The red cells of 12 c. c. of blood of a spotted-fever-infected guinea pig were washed three times with salt solution. The lower half only of the packed cells was then drawn off with a fine capillary pipette, care being taken not to draw up the thin top coat containing leucocytes and platelets. The pure red cells were then diluted to the original blood concentration, and 1 c. c. was used for graded dilutions and injected into guinea pigs. The remaining red cells were washed by centrifugation nine times more. Only three minutes were required for complete throwing down of the red cells at a speed of 1,200 revolutions per minute, and the clear supernatant salt solution was drawn off each time so that the packed red cells were left in a volume of less than 5 c. c. Salt solution sufficient to make a total volume of 40 c. c. was added after each washing, and the cells were thoroughly mixed. This method of washing was followed in all subsequent tests.

Result.—After the third washing the injection of 1/10 c. c. of red cells (diluted to the original volume) produced typical spotted fever in each of two guinea pigs and a moderate fever developed in one of two animals receiving 1/100 c. c. of cells. Smaller amounts failed to give fever.

Two guinea pigs receiving 4 c. c. each of the supernatant salt solution of the twelfth washing were negative for 12 days and subsequently were found susceptible by reinoculation of blood virus.

Guinea pigs receiving 1 c. c. each of red cells (diluted to the original volume of the blood) after the twelfth washing and one of the pigs receiving 1/10 c. c. developed typical spotted fever. Less amounts failed to give fever. We have found it impossible to demonstrate organisms of any kind within the red cells either in fresh preparations or in smear preparations stained with Giemsa's solution.

Experiment No. 3: Association of the virus with washed white blood cells.—A white-cells exudate obtained by injecting aleuronat into the peritoneal cavity of an infected guinea pig was suspended in 10 c. c. of salt solution and washed 12 times in the same manner as in the case of the red-blood cells. The supernatant fluid after each centrifugation could be poured off, leaving a volume of less than 1 c. c. of white cells. The washing of these cells was therefore more thorough than that of the red cells.

Result.—Guinea pigs receiving 1/100 c. c. of unwashed cells developed spotted fever. Less amounts failed.

Guinea pigs receiving 1 c. c. and one animal receiving 1/10 c. c. of the white cells after the twelfth washing, developed spotted fever. Less amounts were unsuccessful.

Experiment No. 4: Adsorption of virus with normal red cells.—Five cubic centimeters of a cell-free serum obtained from an infected guinea pig was mixed with an equal volume of a suspension of washed normal red blood cells. After thorough agitation the mixture was permitted to stand one-half hour at room temperature. The red cells were then washed 10 times as in previous tests and injected as before in graded amounts.

Result.—The two guinea pigs receiving 1 c. c. and the two receiving 1/10 c. c. of the washed cells developed spotted fever.

Experiment No. 5: Adsorption of virus with normal white blood cells.—Five cubic centimeters of cell-free guinea-pig serum virus was mixed with equal amounts of a suspension of normal guinea-pig leucocytes (1/2 gram of moist leucocytes in 5 c. c. of salt solution). The mixture was thoroughly shaken and permitted to stand one-half hour at room temperature and then washed 10 times by centrifugation. The washed cells were then diluted to the original volume of 5 c. c. and injected into guinea pigs.

Result.—Both animals receiving 1/10 c. c. as well as the two receiving 1 c. c. of the washed cells developed spotted fever.

Experiment No. 6: Association of virus with platelets.—(a) A 5 c. c. suspension of platelets obtained from 10 c. c. of blood of a spotted-fever-infected guinea pig was secured by the method of Kusama as reported by Segal (1). The unwashed suspension from the infected

animal produced spotted fever in 1/100 c. c. amounts when injected into guinea pigs. After the third washing 1 c. c. amounts of the platelet suspension failed to produce spotted fever in each of two animals. Larger quantities were not used because so small an amount of the suspension was available.

(b) Three cubic centimeters of serum from an infected guinea pig were then added to 3 c. c. of a platelet suspension obtained from 10 c. c. of blood of a normal guinea pig. One-tenth cubic centimeter of the unwashed mixture produced spotted fever, while 1 c. c. of platelets after the sixth washing failed to give fever when injected into each of two animals.

Experiment No. 7: Absorption of virus with fuller's earth.—Four cubic centimeters of serum virus was added to 4 c. c. of a sterile suspension of fuller's earth ($\frac{1}{2}$ gram of powdered fuller's earth in 40 c. c. of salt solution).

The mixture stood one-half hour at room temperature. Three cubic centimeters was set aside and the remaining 5 c. c. was washed 10 times by centrifugation as in previous tests upon cells. The washed and unwashed suspensions were injected into guinea pigs at the same time.

Results.—One-tenth cubic centimeter of the unwashed suspension produced spotted fever, while 1 c. c. of the washed suspension injected into each of four guinea pigs failed to give spotted fever.

The test was duplicated with the exception that finely ground charcoal was substituted for fuller's earth. The washed suspension likewise gave negative results.

DISCUSSION

In our tests we never were able to obtain an absolutely pure suspension of white cells or platelets. A few red cells could always be found when stained smears were prepared from such suspensions.

It was somewhat surprising to find that the virus was not retained by the platelets, especially since Kusama and Segal have shown that the virus of typhus fever is associated with the platelets but not with the red or white cells.

Inasmuch as the virus in the serum of animals infected with Rocky Mountain spotted fever can be thrown down only partially by high-speed centrifugation, one can not hold the view that the retention of the virus by both red and white cells (normal and infected) after slow centrifugation is due to the possession of the same specific gravity by the cells and virus. It is unlikely that the specific gravity of the virus would be such that it stratifies at the same level of both red and white cells. Furthermore, when mixed with a suspension of fuller's earth or charcoal and subjected to the same washing procedure it is not thrown down along with these particles. The test

strongly suggests, therefore, that part of the virus remains lodged within or adherent to the cells.

In a cytological study of rickettsia in tissues of guinea pigs infected with Rocky Mountain spotted fever, Nicholson (5) says: "In some tissues it required several hours' search with the aid of a mechanical stage and in others a day or more to find them * * *. In several cases also, they appeared to be present within erythrocytes." As illustration, he gives a single figure which bears the title, "One rickettsia apparently within an erythrocyte."

Fricks (6) has described, in the centrifuged red blood cells of infected animals, "round or slightly elongated red chromatin bodies partially surrounded by or in close approximation to a somewhat larger deep-blue staining body." Such bodies were never found in control specimens. Fricks suggested that these bodies were of protozoan nature but hesitated to draw definite conclusions from his findings.

We are inclined to regard as highly significant the fact that, in the examination of hundreds of specimens of infected blood, rickettsia could not be demonstrated by us within erythrocytes, and yet the infective agent could not be washed or diluted away from such cells.

The difficulty with which rickettsia are demonstrated microscopically in tissues of infected animals is not compatible with the general, intense plasmatic and systemic infection as shown by animal inoculation, although we realize the possibility that a single organism or very few organisms may be infective. It seems likely, however, that the few rickettsia (*Dermacentrozenus rickettsi* Wolbach) found, represent, in part, one phase of the infective agent, but they do not convincingly represent all known manifestations of the blood virus. In this connection it may be stated that one receives the same impression when a study is made of the presence and distribution of rickettsia in the tissues of infected ticks (7).

Our tests might be regarded as suggesting that the virus of Rocky Mountain spotted fever can assume in the mammalian host a non-cellular or nonparticulate phase which can not be demonstrated by our present known methods.

SUMMARY

1. The serum from guinea pigs infected with Rocky Mountain spotted fever and subjected to high speed (8,800 revolutions per minute) centrifugation retains infectivity in the top portion.

2. After repeated washings by slow speed (1,200 revolutions per minute) centrifugation, red and white blood cells from infected guinea pigs are capable of transmitting the infection although the demonstration of organisms in fresh preparations or stained smears of such cells is extremely rare.

3. Normal red and white blood cells to which serum virus has been added retain the infection after repeated washings by centrifugation.
4. A suspension of platelets from an infected guinea pig, as well as a suspension from a normal animal to which virus has been added, does not retain the infection after washing by centrifugation.
5. Suspensions of fullers' earth or charcoal to which serum virus has been added, quickly lose infectiousness when washed by centrifugation.
6. The suggestion is made that the virus of Rocky Mountain spotted fever may assume a form incapable of demonstration by known methods.

REFERENCES

- (1) Segal, J. (1922): *British Jour. Exp. Path.*, vol. 3, p. 95.
- (2) Ricketts, H. T.: *Contributions to Medical Science*. University of Chicago Press, 1911.
- (3) Wolbach, S. B.: *Jour. Med. Res.*, Nov. 1919, vol. 41, No. 1.
- (4) Connor, C. L.: *Jour. Infect. Dis.*, Dec. 1924, vol. 35, No. 6.
- (5) Nicholson, F. M.: *Jour. Exp. Med.*, 1923, vol. 37, p. 221.
- (6) Fricks, L. D.: *Pub. Health Rep.*, Mar. 3, 1916, vol. 31, No. 9, p. 516. Reprint No. 327.
- (7) Parker and Spencer: *Pub. Health Rep.*, Mar. 12, 1926, vol. 41, No. 11, p. 461. Reprint No. 1067.

ERRONEOUS REPORT OF YELLOW FEVER IN NEW YORK CITY

An erroneous report of a death from yellow fever in New York City was made recently, due to an error in diagnosis. The cause of death appeared as yellow fever on the death certificate, and in this manner appeared in the weekly list of communicable diseases reported by the city department of health to the customhouse, where an employee of the Public Health Service inadvertently entered it on the port sanitary statement without bringing the matter to the attention of the medical officers. The port sanitary statements issued by the Public Health Service are used by the consuls of various countries in preparing bills of health. The yellow fever item appearing on bills of health quite naturally soon stimulated inquiries, especially in view of the fact that no official declaration of the case had been made by officials of the Public Health Service. In response to these inquiries, the Surgeon General promptly cabled the information that the report was erroneous and was due to an error in diagnosis.

The facts of the case are, briefly, as follows:

On July 3, 1926, a case was diagnosed as yellow fever from autopsy findings by a pathologist of a New York City hospital. Officers of the Public Health Service and officials of the New York City health department immediately investigated the case and found no justification for such a diagnosis. Unfortunately, however, the cause of death appeared as yellow fever on the death certificate, and in this way was included in the weekly reports made by the city health department to the customhouse, coming to the attention of the Public Health Service employee who makes out the port sanitary statements.

The patient was taken from a steamship belonging to a fruit company. The vessel had been last previously boarded and inspected at the New York quarantine station on May 25, 1926. On June 1 the vessel had sailed for Kingston, Jamaica, and since that date had sailed only between Kingston and Philadelphia. It entered New York coastwise from Philadelphia on July 1. The patient had left Jamaica on the vessel on June 22. He died July 3, 1926.

Officials of the International Health Board state that there has been no case or suspected case of yellow fever in Jamaica for a great many years.

PUBLIC HEALTH ENGINEERING ABSTRACTS

Public-health aspects of cross connections and dual water supplies. Matthias Nicholl, Charles A. Holmquist, and Arthur S. Bedell. *American Journal of Public Health*, vol. 16, No. 4, April, 1926, pp. 355-364. (Abstract by C. M. Baker.)

The authors tabulate some 41 outbreaks of typhoid fever caused by pollution of water supplies through faulty cross connections involving over 100 deaths since 1903.

Report of the committee on private fire-protection service of the American Water Works Association in June, 1919; report of the committee on cross connections, by-passes, and emergency intakes on public water supplies, conference of State sanitary engineers, Boston, Mass., June, 1921; report of the action of the board of water commissioners, Hartford, Conn., 1920; and resolutions passed by the fire-protection section of the American Water Works Association at Louisville, Ky., April 30, 1925, are reviewed.

In discussing double check-valves, information is given that an inspection in a city in New York State disclosed the fact that of 22 double check-valves, 6 sets were leaking in both valves, 15 in one

valve, and only 1 showed no leak. In another city 27 per cent of the installations were affording no protection, and only 1 out of 22 installations was tight in both valves.

Appended to the article is a bibliography of 58 references.

Studies on lactose fermenting bacteria. Fred Berry, chief, division of laboratories, Ohio State Department of Health, Columbus, Ohio. *American Journal of Public Health*, vol. 16, No. 6, June, 1926, pp. 590-594. (Abstract by H. A. Kroeze.)

These studies were made to determine the nature of slow gas-forming organisms which are not infrequently found in the examination of public water supplies. The studies were made on ground water supplies, including almost every type of dug, driven, or drilled wells, and a few springs. Samples (64) were collected in several series extending over a period from June to January. No seasonal difference was noted in the prevalence of slow lactose fermenters.

The writer gives a table showing the comparison of the rate of lactose fermentation, methyl red and Voges-Proskauer reactions, and growth in Koser's citrate medium, with comments on the results. A classification as to the source of the samples is also given.

The writer concludes that "The results obtained in 640 samples of ground water confirm the opinion expressed by the committee on standard methods of water analysis that bacteria which do not produce 10 per cent or more gas in 48 hours at 37° C. in 1 per cent lactose broth are of slight sanitary significance."

STATE AND INSULAR HEALTH AUTHORITIES, 1926

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 1925 have been published in the Public Health Reports¹ 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."

¹ Reprints Nos. 83, 123, 190, 268, 344, 405, 488, 544, 605, 706, 775, 871, 949, and 1043, from the Public Health Reports.

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, M. D., Eufaula.

D. T. McCall, M. D., Mobile.

W. W. Harper, M. D., Selma.

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

W. H. Wilder, 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.

*Ethel Hawley, chief clerk, Montgomery.

Laboratories of the State board of health:

General director—

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

*Sophie Dehler, assistant, Montgomery.

Anniston branch—

*W. O. Hull, director, Anniston.

Birmingham branch—

*E. K. Kline, Dr. P. II., director, Birmingham.

Mobile branch—

*G. E. Davis, director, Mobile.

Tennessee Valley branch—

*A. J. Perolio, 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. Menko, B. C. E., Montgomery.

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

*T. H. Milford, Montgomery.

Epidemiologists:

*D. G. Gill, M. D., director, Montgomery.

*A. H. Graham, M. D., malarialogist, Montgomery.

County organization:

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

*C. N. Leach, M. D., I. H. B., second director, Montgomery.

Public health nursing:

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

*Francis Montgomery, R. N., assistant director, Montgomery.

*Anne Morrison, R. N., assistant director, Montgomery.

Veneral disease control:

*W. C. Blasingame, director, Montgomery.

Inspection:

*C. A. Abele, director, Montgomery.

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

*R. F. South, D. V. M., deputy inspector, Montgomery.

Inspection—Continued.

*C. H. South, deputy inspector, oyster control, Mobile.

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

*J. W. Garrett, milk inspector, Montgomery.

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

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

*F. H. Downs, milk inspector, Montgomery.

Tuberculosis control:

*J. M. Graham, director, Montgomery.

Chief clerk:

*Bessie A. Tucker, Montgomery.

Financial secretary:

*Adna Eley, Montgomery.

Appropriations for fiscal year ending September 30, 1926:

Central administration.....	\$150,000
County health work.....	55,000

ALASKA

Board of health:

George A. Parks, governor, Juneau.

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

Executive health officer:

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

Assistant commissioners of health:

Curtis Welch, M. D., Nome.

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

W. W. Council, 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, Phoenix.

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. Kelleher, 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, 1926:

State board of health—

Salaries.....	\$12,300.00
Operating expense.....	6,450.00
Traveling expense.....	2,800.00
Capital investment.....	175.00
Repairs and replacements.....	130.00

Appropriations for fiscal year ending June 30, 1926—
Continued.

State laboratory, Tucson—	
Salaries.....	\$4, 500. 00
Operating expense.....	600. 00
Traveling expense.....	250. 00
Capital investment.....	200. 00
Child hygiene, division, Sheppard-Towner work—	
Salaries.....	3, 625. 00
Operating expense.....	375. 00
Traveling expense.....	1, 000. 00
Unexpended balance of 1925 funds.....	8, 325. 82
Total.....	40, 730. 82

ARKANSAS

Board of health:

- A. S. Gregg, M. D., president, Fayetteville.
- E. H. Stevenson, M. D., Fort Smith.
- O. L. Williamson, M. D., Marianna.
- R. O. Norris, M. D., Tuckerman.
- L. L. Marshall, M. D., Little Rock.
- S. A. Southall, M. D., Lonoke.
- F. O. Mahony, 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. Bair, 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, 1927:

Executive department, salaries and miscellaneous.....	\$27, 800
Bureau of vital statistics.....	30, 800
Payment of 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, 440
Total.....	170, 640

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. Haldiday, M. D., Berkeley.
- *Paul M. Ellwood, M. D., assistant epidemiologist, Berkeley.

District health officers:

- *Allen F. Gillihan, M. D., northern division.
- *Gavin Telfer, M. D., southern division.

Sanitary inspector:

- *Edward T. Ross, Sacramento.

Cannery inspector:

- *Milton P. Duffy, San Francisco.

Bureau of vital statistics:

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

Bureau of registration nurses:

- *Anna C. Jamme, R. N., director, San Francisco.

Bureau of tuberculosis:

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

Bureau of food and drugs:

- *M. E. Jaffa, director, Berkeley.

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 (subsidies).....	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.

Board of health—Continued.

A. W. Scott, Fort Collins.

G. K. Olmsted, M. D., Denver.

Executive health officer:

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

Bacteriologist:

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Medical inspector:

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

State food and drug commissioner:

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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 November 30, 1926:

Salaries.....	\$14,000
Laboratory equipment and supplies....	1,250
Printing and publications.....	1,250
Traveling expenses.....	4,400
Samples and supplies.....	600
Sanitary engineering.....	7,000
Venereal diseases.....	20,000
Incidental expenses.....	1,000
Total.....	49,500

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.

Division of mouth hygiene:

Clyde R. Salmons, M. D.

Appropriation for fiscal period ending June 30, 1927, \$427,100.00.**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:

*Rowland D. Herdman, Dover.

Tuberculosis:

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

Division of child hygiene:

*Cleland A. Sargent, M. D., Dover.

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**Publications:**

Biennial report.

Monthly Health News.

Bulletin on health subjects.

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:

*Aubrey V. Fuller, 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, 1927:

Salaries.....	\$151,100
Prevention of communicable diseases.....	40,000
Disinfecting service.....	6,000
Isolation wards at hospitals.....	23,000
Milk and food inspection and regulation.....	6,200
Dispensary service, including treatment of tuberculosis and venereal diseases.....	15,000
Maintaining a child hygienic service.....	33,000
Hygiene and sanitation, public schools.....	66,800
Miscellaneous.....	10,250
Total.....	351,350

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.

Diagnostic laboratories:

*

Bureau of vital statistics:

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

Bureau of communicable diseases:

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

Bureau of sanitary engineering:

*E. L. Filby, C. E., director, Jacksonville.

Bureau of child hygiene 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.

Board of health—Continued.

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:

*M. E. Winchester, M. D., director, Atlanta.

Division of laboratories:

*T. F. Sellers, director, Atlanta.

Division of sanitary engineering:

*L. M. Clarkson, director, Atlanta.

State tuberculosis sanatorium:

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

Bureau of vital statistics:

*Butler Toombs, acting director, Atlanta.

Division of child hygiene:

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

Georgia training school for mental defectives:

*John W. Oden, M. D., superintendent.

Division of accounting and purchasing:

*C. L. Tinsley, director, Atlanta.

Appropriations for the fiscal year ending Dec. 31, 1926:

General appropriation.....	\$81,431
Veneral-disease control.....	10,000
Maternity and infant hygiene.....	5,000
State tuberculosis sanatorium.....	50,000
Georgia training school for mental defectives.....	35,000
Total appropriation by legislature....	181,431
Maternity and infancy.....	17,180
Maternity and infancy (Federal Government funds, fiscal year ending June 30, 1926).....	27,180
Central administration, county health work (International Health Board funds).....	4,000
Central administration, malaria control (International Health Board funds).....	3,500
Grand total.....	233,291

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.

W. B. Lymer, attorney general, Honolulu.

C. B. Cooper, M. D., Honolulu.

D. S. Bowman, Honolulu.

J. D. McVeigh, Honolulu.

Board of health—Continued.

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.

Leper settlement:

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

*A. B. Petter, M. D., physician, Kalaupapa, Molokai.

Chief sanitary inspector, Oahu:

*A. K. Arnold, Honolulu.

Chief sanitary inspector, Hawaii:

*C. Charlock, Hilo.

Chief sanitary inspector, Maui:

*R. C. Lane, Wailuku.

Chief sanitary inspector, Kauai:

*A. C. Christian, Kapaa.

Appropriations, 1925-1927:**Board of health—**

Salary, president.....	\$14,400.00
Salary, public health officer.....	8,400.00
Salary, secretary.....	7,200.00
Salaries, office employees.....	27,700.00
Expenses, office.....	22,600.00
Expenses, board of medical examiners—	
Personal service.....	600.00
Expenses.....	400.00

Bureau of vital statistics—

Salary, registrar general.....	6,000.00
Salaries, deputies and clerks.....	20,400.00
Salaries, registrar, Honolulu.....	3,600.00
Expenses, office registrar general.....	14,450.00
Purchase of equipment.....	5,000.00

Bureau of sanitary engineering—

Salary, sanitary engineer.....	9,600.00
Other personal service.....	4,025.00
Expenses.....	2,375.00

Sanitation:

Salary, chief sanitary inspector, Oahu.....	7,200.00
Salaries, clerks, sanitary and mosquito inspectors, Oahu.....	73,680.00
Salary, chief sanitary inspector, Hawaii.....	9,600.00
Salaries, sanitary inspectors and clerks, Hawaii.....	36,600.00
Salary, chief sanitary inspector, Maui.....	5,400.00
Salary, assistant sanitary inspector.....	3,000.00
Salary, clerk.....	1,800.00

Sanitation—Continued.

Salary, chief sanitary inspector, Kauai.....	\$5,400.00
Salary, assistant sanitary inspector.....	3,000.00
Sanitary expenses, Territory.....	28,350.00
Salaries and expenses, plague campaign.....	65,690.00
Expenses, mosquito campaign.....	7,500.00

Pure food and drug bureau:

Salaries.....	21,600.00
Expenses and assistants.....	4,800.00

Bacteriological bureau:

Salary, bacteriologist and pathologist.....	6,000.00
Other personal services.....	1,000.00
Expenses and assistants.....	4,000.00

Government physicians:

Salaries.....	74,160.00
Hawaii.....	\$31,560.00
Maui.....	18,600.00
Kauai.....	10,200.00
Oahu.....	12,000.00
Lauai.....	1,800.00

(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.)

Quarantine and medical service:

Salaries.....	23,000.00
Expenses.....	37,450.00

Quarantine stations:

Repairs, maintenance, equipment, and salaries, Honolulu.....	} 24,850.00
Repairs, maintenance, equipment, and salaries, Hilo.....	

Care of lepers and their children:**KALAUAPAPA**

Salary, superintendent.....	9,600.00
Salary, physician.....	10,800.00
Salary, dentist (not prorated).....	8,100.00
Salaries, assistants and attendants, Bishop Home and Baldwin Home.....	9,200.00
Salaries, sheriff and police.....	4,830.00
Allowance, needy blind patients, extra \$5 per month.....	5,000.00
Lighting plants.....	\$3,600.00
Oil and gas tanks.....	3,000.00
Furniture.....	605.00
	<hr/>
	7,105.00

KALIHI HOSPITAL

Salary, matron.....	4,260.00
Salary, officer for lepers.....	4,200.00

KALAUAPAPA AND KALIHI

Wages, nurses, laborers, attendants, and mechanic.....	175,700.00
Expenses, segregation hospitals and maintenance.....	455,044.00

KAPIOLANI GIRLS' HOME

Salaries.....	14,280.00
Maintenance.....	30,500.00

Care of lepers and their children—Continued.

KALIHU BOYS' HOME	
Salaries.....	\$24,240.00
Maintenance.....	23,950.00
Prevention and cure of tuberculosis:	
Salaries.....	87,600.00
Expenses, including purchase of automobiles.....	60,650.00
Cure and treatment of tubercular patients in sanitariums.....	403,180.00
Oahu, Leahi Home...\$168,000	
Maui, Kula Sanitarium.....	84,000
Kauai, Samuel Machelona Memorial Hospital.....	60,000
Hawaii, Puu-maile Home.....	76,480
Improvements, Puu-maile Home.....	14,700
Insane asylum:	
Salary, superintendent.....	8,400.00
Pay roll.....	185,280.00
Maintenance.....	131,500.00
New buildings for female patients..	10,000.00
Compensation to patients for labor.....	2,500.00
Other equipment.....	1,375.00
Sanitarium:	
Salaries, employees.....	21,120.00
Maintenance.....	16,800.00
Veneral-disease clinic:	
Salaries.....	11,400.00
Expenses.....	5,400.00
Bureau welfare and hygiene of maternity and infancy:	
Expenses.....	10,101.92
Equipment.....	3,350.00
Total.....	2,341,205.92

Publications issued by health department:
 Annual report of president.
 Registrar general's report.

IDAHO

Department of public welfare:

- *David Burrell, commissioner.
- *R. M. Fouch, M. D., public health adviser.
- *Lawrence J. Peterson, 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.

Appropriation for biennial period ending December 31, 1926:

Personal service.....	\$45,240.00
Other expense.....	13,205.00
Veneral-disease control.....	6,200.00
Total.....	64,645.00

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:

- *Grace S. Wightman, 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.....	1,133,887

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.

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:

*Lewis S. Finch, 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.

Epidemiologist:

*Walter W. Lee, M. B.

Division of school hygiene:

*H. R. Condrey, director, Indianapolis.

Division of housing:

*A. E. Wert, director, Indianapolis.

Department of public health nursing:

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

Appropriations for biennial period ending September 30, 1927, \$176,000 per annum.

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. II., 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. II., Sioux City.

Executive health officers:

*Henry Albert, M. D., State health commissioner, Des Moines.

Director county health and associate in administration:

James Wallace, M. D., C. P. II.

Director public health nursing:

Edith Swaine, R. N.

Director division of examinations:

*H. W. Greife, Des Moines.

Chief clerk:

*L. V. Clemens, Des Moines.

Laboratories:

*Don M. Griswold, M. D., D. P. II., 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	44,030

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.

Health News Letter.

KANSAS**Board of health:**

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

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

George I. Thacher, M. D., Waterville.

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:

*W. J. Davies, acting State registrar.

Division of communicable diseases:

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

Divisions 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. D. Havenhill, 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 arsenaminé (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.

Weekly morbidity report.

KENTUCKY

Board of health:

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

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

J. Watts Stovall, Grayson.

V. A. Stillely, M. D., Benton.

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

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

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

J. W. Kincaid, M. D., Catlettsburg.

Addison Dimmitt, Louisville.

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 public health nursing:

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

Bureau of maternity and child health:

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

*Juanita Jennings, M. D., assistant, Louisville.

*Frances Rathert, M. D., assistant, 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.

Bureau of tuberculosis and State tuberculosis sanitarium:

*Paul A. Turner, M. D., director and superintendent, Louisville.

Total income for fiscal year ending June 30, 1926, \$261,877.67.

Publications issued by health department:

Monthly bulletin.

LOUISIANA

Board of health:

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

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

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:

*Cassius L. Clay, 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.

Bureau of tuberculosis control:

D. E. Brown, M. D., director, New Orleans.

Appropriations for fiscal year ending June 30, 1926, \$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 Poland.

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:

*G. H. Coombs, 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.

*B. F. Porter, M. D., Caribou.

Appropriations for fiscal year ending June 30, 1927:

Salaries and clerk hire.....	\$33,000
Office expense and epidemic fund.....	20,000
District and local health officers.....	38,000
Veneral-disease control work.....	14,000
Maternity and child-welfare work.....	10,000
Branch State laboratory, Caribou.....	2,500
Total.....	117,500

Other sources of revenue:

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

International Health Board, \$2,000.

Cumberland County public health association..... \$500

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:

H. C. Ward, 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:

George H. Bigelow, M. D., chairman, Boston.

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

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

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

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

James L. Tighe, Holyoke.

Gordon Hutchins, Concord.

Executive health officer:

*George H. Bigelow, M. D., State commissioner of public health, Boston.

Secretary:

*Alice M. Ethier.

Division of administration:

(Under direction of commissioner.)

Division of communicable diseases:

*Clarence L. Scamman, M. D., director, Boston.

Division of sanitary engineering:

*X. H. Goodnough, C. E., 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:

*Henry D. Chadwick, acting director, Boston.

Appropriations for department of public health, 1926:

Division of administration—

Salary of commissioner.....	\$7,500
Personal services.....	13,000
Services other than personal.....	7,625

Division of hygiene—

Personal services of director and assistants.....	29,600
Services other than personal.....	13,150
Personal services in connection with maternal and infant hygiene.....	24,000
Expenses in connection with maternal and infant hygiene.....	11,400

Division of communicable diseases—

Personal services of director, district health officers, etc.....	53,000
Services other than personal.....	15,250

Appropriations for department of public health, 1926—Continued.

Division of communicable diseases—Con.	
Personal services in connection with control of venereal diseases	\$8, 870
Expenses in connection with control of venereal diseases	21, 500
Manufacture and distribution of arsphenamine—	
For personal services	8, 250
Services other than personal	6, 000
Wassermann Laboratory—	
For personal services	12, 600
For expenses of laboratory	5, 500
Antitoxin and vaccine laboratory—	
For personal services	46, 000
Other services	30, 500
Inspection of food and drugs—	
For personal services	40, 310
Other services	10, 790
Water supply and disposal of sewage, engineering division—	
For personal services	52, 000
For other services	11, 500
Water supply and disposal of sewage, division of water and sewage laboratories—	
For personal services	33, 400
For other services	7, 700
Division of tuberculosis—	
For personal services	36, 500
Services other than personal	14, 000
For personal services of tuberculosis clinic units	41, 300
Services other than personal (clinic units)	33, 500
Payment of subsidies	225, 000
For maintenance of and for certain improvements at the Lakeville, North Reading, Rutland and Westfield State sanatoria	1, 131, 205
Special appropriations under legislative acts and resolves of 1926	135, 500
Total	2, 091, 450

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:
- *
- Bureau of Engineering:
- *E. D. Rich, C. E., director.
 - *William C. 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, bacteriologist.
 - *R. L. Kahn, immunologist.
 - *Pearl Kendrick, bacteriologist, West Michigan Division.
 - *Ora Mills, bacteriologist, Houghton branch.
 - *E. F. Eldridge, chemist.
 - *Max Marshall, Ph. D., research bacteriologist.
 - *A. B. Haw, clinical pathologist.
 - *Chas. L. Bliss, toxicologist.
 - *Breese Robinson, superintendent, biologic plant.
- Bureau of child hygiene and public health nursing:
- *Lillian R. Smith, M. D., director.
 - *Dorothy L. Green, M. D., pediatrician.
 - *Rhoda Grace Hendrick, M. D., prenatal consultant.
 - *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:
- *J. H. McCall, M. D., director.
 - *C. V. Spawr, M. D., assistant director.
 - *Wm. J. Cameron, M. D., physician.
 - *Geo. H. Steel, D. D. S., dentist.
 - *Alan L. Clark, 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.
 - *Pearl Turner, assistant director.
 - *Melita Hutzel, lecturer.
- Bureau of embalming:
- *F. J. Pienta, director.
- Bureau of epidemiology:
- *, director.
 - *F. L. Rose, M. D., clinician.
 - *C. H. Benning, M. D., medical inspector.
 - *Paul F. Orr, M. D., medical inspector.
- Bureau of oral hygiene and preventive dentistry:
- *William R. Davis, D. D. S., director.
- Appropriations for fiscal year ending June 30, 1927:
- | | |
|---|-----------------|
| Personal service | \$196, 425 |
| Supplies | } 86, 000 |
| Contractual service | |
| Fixed charges | |
| Outlay for equipment | 14, 000 |
| Total | 320, 425 |
| Institutional health— | |
| Personal service | 28, 000 |
| Supplies | } 7, 300 |
| Traveling expense | |
| Outlay for equipment | |
| Total | 36, 600 |
| Antitoxin operation | 63, 000 |
| Child hygiene and public health nursing | 30, 000 |
| Grand total | 450, 025 |
- Publications issued by health department:
- Monthly bulletin.
 - Annual report.

Publications issued by health department—Con.
 Communicable disease pamphlets.
 Sex hygiene pamphlets.
 Child hygiene pamphlets.
 Engineering bulletins.
 Scientific reprint series.

MINNESOTA

Board of health:

S. Marx White, M. D., president, Minneapolis.
 L. P. Wolff, C. E., vice president, St. Paul.
 C. L. Scofield, M. D., Benson.
 N. M. Watson, M. D., Red Lake Falls.
 N. G. Mortensen, M. D., 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, Old Capitol, St. Paul:

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

*Mildred G. Smith, R. N., educational agent.

Division of records, Old Capitol, St. Paul:

*O. C. Pierson, director.

Division of vital statistics, Old Capitol, St. Paul:

*Gerda 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.

W. P. Greene, M. D., epidemiologist.

Division of sanitation, university campus, Minneapolis:

*H. A. Whittaker, director.

*J. A. Childs, C. E., sanitary engineer.

Division of venereal diseases, university campus, H. G. Irvine, M. D., director, Minneapolis.

Division of child hygiene, university campus, Minneapolis:

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

*Oliva Peterson, R. N., superintendent of public health nursing.

Appropriations for fiscal year ending June 30, 1926:

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.

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.

Dudley Stennis, M. D., Newton.

W. R. Wright, D. D. S., Jackson.

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 Eyrich, 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.

*Geo. Parker, C. E., malarial control engineer.

*N. M. Parker, D. V. S., Jackson.

Bureau of rural sanitation:

*C. C. Applewhite, M. D., director, Jackson.

Bureau of communicable diseases:

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

Appropriations for fiscal year ending Dec. 31, 1926:

Administrative office.....	\$20,700
Bureau of vital statistics.....	12,000
Municipal sanitation.....	10,800
Rural sanitation.....	34,300
Hygienic laboratory.....	20,000
Child welfare.....	27,000
Communicable diseases.....	10,000
Total.....	134,800

Publications issued by health department:

Biennial report.

Weekly health letters published in all newspapers of the State.

MISSOURI

Board of health:

W. A. Clark, M. D., president, Jefferson City.

H. L. Kerr, M. D., vice president, Crane.

James Stewart, M. D., secretary, Jefferson City

H. S. Gove, M. D., Linn.

H. A. Breyfogle, M. D., Kansas City.

T. E. McGough, M. D., Richmond.

Willard C. Bartlett, M. D., St. Louis.

Executive health officer:

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

*Irl Brown Krause, M. D., assistant State health commissioner.

Rural sanitation:

*Joseph Mountin, M. D., director.

Epidemiology:

- * R. I. Russell, M. D., assistant epidemiologist.
- * R. L. Laybourn, bacteriologist.

Sanitary engineering:

- * W. Scott Johnson, chief engineer.

Vital statistics:

- * Ross Hopkins, M. D., statistician.

Child hygiene:

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

Appropriations for biennial period ending Dec. 31, 1926:

Board of health—	
Licensure.....	\$20,000
Salaries.....	85,800
Contingent.....	36,000
Cooperative health work.....	100,000
Control of contagion.....	50,000
Total.....	291,800

Of the above appropriation, \$68,000 is being withheld by the governor until State revenues are sufficient for 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., Helena.

Division of food and drugs:

- * Glenn D. Wiles, director, Helena.

Division of vital 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.

Hygienic laboratory:

- * John X. Newman, director, Helena.
- * Edith Kuhns, technician, Helena.

Appropriations for the year ending June 30, 1926:

Secretary's salary.....	\$5,000
Salaries of other employees.....	17,550
Office supplies and expenses.....	1,500
Traveling expenses.....	3,000
Printing and binding.....	500
General supplies and expenses.....	4,250
Capital expenditures.....	125
Repairs.....	75
Division child welfare.....	10,700
Board of entomology (Rocky Mountain spotted fever work).....	15,500
Total.....	58,200

Other sources of revenue:

- Fees for embalmers' licenses.
- Rockefeller foundation, \$2,500.

Publications 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., chief, bureau of health, Lincoln.

Collaborating epidemiologist—

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

Assistant epidemiologist—

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

Bacteriologist—

- * L. O. Vese, Lincoln.

Division of laboratories—

- * L. O. Vese, director, 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.
- E. W. Roe, M. D., Lincoln.
- E. T. McGuire, M. D., Mead.

Appropriations for biennial period ending June 30, 1927:

Salaries.....	\$42,000
Maintenance.....	22,800
Total.....	64,800

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 Alber, 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. Wilk ns, M. D., Manchester.
- Sibley G. Morrill, M. D., Concord.
- John G. Winant, governor.
- Jeremy M. Waldron, attorney general, Portsmouth.

Executive health officer:

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

Harriet I. Parkhurst, chief clerk, Concord.

Division of maternity, infancy, and child hygiene:

Elena M. Crough, R. N., director and supervising nurse, Manchester.

Department of vital statistics:

Charles Duncan, registrar, Concord.

Bertha M. Watson, chief clerk, Concord.

Laboratory of hygiene:

*Charles D. Howard, chemist, Concord.

John P. Head, chemist.

Herbert R. Hill, pharmacist, Concord.

William R. McLeod, bacteriologist, Concord.

*Joseph X. Duval, inspector, Concord.

Leonard W. Trager, sanitary engineer, Concord.

Bacteriological laboratory:

Bernard E. Proctor, P. H. D., sanitary engineer.

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

Veneral-disease division:

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

Appropriations for fiscal year ending June 30, 1926:

State board of health..... \$36,138.61

Laboratory of hygiene..... 17,150.00

Vital statistics..... 3,050.00

Total..... 56,338.61

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.

Miss Margaret McNaughton, Jersey City.

J. E. H. Guthrie, D. D. S., Newark.

J. Lynn Mahaffey, M. D., Camden.

Charles I. Lafferty.

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 of 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:**

R. O. Brown, M. D., chairman, Santa Fe.

Mrs. Francis S. Wilson, secretary, Santa Fe.

Mrs. C. C. Meacham, Albuquerque.

Mr. Joseph Gill, Albuquerque.

H. A. Miller, M. D., 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 June 30.

NEW YORK**Public health council:**

Simon Flexner, M. D., LL. D., chairman, New York.

Homer Folks, LL. D., vice chairman, New York.

Henry N. Ogden, C. E., Ithaca.

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

Jacob Goldberg, M. D., Buffalo.

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

Matthias Nicoll, jr., M. D., commissioner of health, Albany.

Edward H. Marsh, M. D., secretary, New York City.

Executive health officer:

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

Deputy commissioner of health:

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

Secretary:

*Edward H. Marsh, M. D., New York.

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:

*Elizabeth M. Gardiner, 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 social hygiene:

*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.....	\$300, 100. 00
Maintenance and operation.....	433, 720. 00
For State aid to county laboratories.....	100, 000. 00
Construction of addition to laboratories and repairs.....	675, 060. 00
Investigation of oyster beds.....	5, 000. 00
State aid to county health activities.....	59, 387. 98
Physically handicapped children.....	20, 000. 00

Total..... 2, 193, 207. 98

Other sources of revenue:

Fees from certified transcript of birth, death, and marriage certificates, \$1,561 per annum.
Licensing laboratories, \$379.
Sale of serums, \$3,035.

Publications issued by health department:

Weekly Health News.
Monthly Vital Statistics Review.

NORTE CAROLINA

Board of health:

J. Howell Way, M. D., president, Waynesville.
Richard H. Lewis, M. D., LL. D., Raleigh.
Thomas E. Anderson, M. D., Statesville.
A. J. Crowell, M. D., Charlotte.
W. S. Rankin, M. D., Charlotte.
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:

Charles O'H. Laughinghouse, M. D., secretary-treasurer and State health officer, Raleigh.

Bureau of medical inspection of schools:

*G. M. Cooper, M. D., director, 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.

Bureau of maternity and infancy and malaria control:

*H. A. Taylor, M. D., director, Raleigh.

Bureau of health education:

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

Bureau of county health work:

*C. N. Sisk, M. D., director, Raleigh.

Appropriations for fiscal year ending

June 30, 1927:

Administration.....	\$16, 540. 34
Vital statistics.....	20, 000. 00
Laboratory of hygiene.....	70, 000. 00
School inspection.....	60, 000. 00
County health work.....	97, 120. 00
Epidemiology.....	8, 500. 00
Maternity and infancy.....	22, 259. 66
Engineering and inspection.....	68, 150. 00
Health education.....	20, 400. 00
Malaria control and survey.....	17, 030. 00
Total.....	400, 000. 00

Other sources of revenue:

International health board.....	12, 100. 00
Federal Government.....	31, 259. 66
Fees paid the laboratory.....	28, 300. 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. Neilson, 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. Shaffer, 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:
 *F. H. Waring, 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:
 *J. A. Frank, M. D., chief.
Bureau of tuberculosis—
 *J. A. Frank, M. D., chief.
Bureau of hospitals—
 *James A. Weis, chief.
Division of child hygiene:
 *H. E. Kleinschmidt, M. D., chief.
Bureau of public health education—

Division of public health nursing:
 *Zoe McCaleb, R. N., chief.
Division of industrial hygiene:
 *Daniel J. Kindel, M. D., chief.
 E. R. Hayhurst, M. D., consultant.
Appropriations for biennium ending June 30, 1927:
 Personal service \$371,480
 Maintenance 271,002
 State aid for health districts 500,000
 Total 1,142,482
Publications issued by health department:
 Public Health Journal (quarterly), Ohio Health
 News (semimonthly):

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 laboratories:
 *H. C. Ricks, M. D., director of laboratory.
Bureau of maternity and infancy:
 *Lucille Spire Blachly, M. D., director.
Bureau of venereal disease control:
 *J. C. Mahr, M. D., director.
Bureau of rural sanitation:
 *D. T. Bowden, M. D., director.
Bureau of sanitary engineering:
 *H. J. Darcey, director.
Bureau of public health education:
 *G. Harrison, director.

Appropriations for fiscal year ending June 30, 1926:

State health commissioner.....	\$3,600.00
Assistant State health commissioner	2,400.00
Secretary and stenographer.....	1,800.00
Bookkeeper.....	2,000.00
Stenographer.....	1,800.00
Stenographer.....	1,500.00
Stenographer.....	1,200.00
Director of publicity.....	2,400.00
Stenographer.....	1,500.00
State chemist.....	3,000.00
Assistant State chemist.....	2,400.00
Bacteriologist.....	3,000.00
Assistant bacteriologist.....	2,400.00
Record clerk.....	1,800.00
Extra help (manufacture of typhoid vaccine), janitor.....	2,500.00
Sanitary engineer.....	3,000.00
Four inspectors at \$1,800 each.....	7,200.00
State registrar of vital statistics.....	2,400.00
Assistant State registrar of vital statistics.....	1,800.00
Three statistical clerks at \$1,500 each.....	4,500.00
Director of maternity and infancy bureau.....	3,000.00
Stenographer.....	1,500.00
Head nurse (public health).....	2,400.00
Four public health nurses at \$1,800 each.....	7,200.00
Wages—extra help.....	1,200.00
Contingent and aid to counties.....	3,379.48
Contractual services (all bureaus):	
Motor vehicles (repairs).....	250.00
Traveling.....	12,000.00
Transportation.....	300.00
Communication.....	1,500.00
Printing.....	2,500.00
Other expenses.....	250.00
Forage supplies.....	100.00
Medical supplies (all depart- ments).....	5,000.00
Office supplies.....	1,200.00
Laundry and cleaning.....	100.00
Refrigerator supplies.....	100.00
Motor vehicle supplies.....	225.00
Wearing apparel.....	100.00
Office equipment.....	1,200.00
Medical laboratory equipment.....	500.00
Books and periodicals.....	100.00
Epidemiological fund (general dis- ease prevention and control under direction of commissioner of health).....	5,000.00
Control of venereal disease.....	7,000.00
Contingent fund—rural sanitation.....	21,575.00
Total.....	129,879.48

OREGON

Board of health:
 W. T. Phy, M. D., president, Hot Lake.
 W. B. Morse, M. D., vice president, Salem.
 Frederick D. Stricker, M. D., secretary and
 State health officer, Portland.
 C. M. Barbee, M. D., Portland.
 J. H. Rosenberg, M. D., Prineville.
 C. J. Smith, M. D., Portland.
 E. B. Pickel, M. D., 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, 1926, \$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 genitourinary clinics—

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

Division of restaurant hygiene—

***Howard M. Haines**, acting chief, Harrisburg.

Bureau of vital statistics—

***Russell B. Tewksbury, M. D.** (acting), 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, Shippenburg.

Department of health—Continued.**Bureau of child health—Continued.****Preschool division—**

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

School division—

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

Dental division—

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

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
Sanitary water board.....	100,000
Total.....	4,870,000

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

Regino G. Padua, M. D., secretary, Manila.

Jose Fabella, M. D., Manila.

Gervasio Ocampo, M. D., Manila.

José Albert, M. D., Manila.

Benito Valdes, M. D., Manila.

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

Tomas Earnshaw, Manila

Executive officer:

***José P. Bantug, M. D.**, Manila.

Assistant to the director:

***Regino G. Padua, M. D.**, 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:

***Rosario Pastor, M. D.**, chief, Manila.

Office of sanitary engineering:

***Manuel Mañosa, C. E.**, chief, Manila.

Division of communicable diseases:

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

Division of metropolitan sanitation:

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

Division of hospitals, dispensaries, and laboratories:

*Eusebio D. Aguilar, M. D., chief, Manila.

Culion Leper Colony:

*Sulpicio Chiyuto, M. D., chief, Culion.

Division of provincial sanitation:

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

Appropriations for fiscal year ending Dec. 31, 1923:

Salaries and wages.....	\$444, 119
Miscellaneous expenses.....	829, 000
Furniture and equipment.....	12, 600
Treatment of segregated lepers.....	125, 000
Aid to specially organized Provinces.....	210, 300
School of nursing in Baguio.....	3, 600
Medicines, medical and surgical supplies, to be distributed among the dispensaries of the public schools.....	2, 500
Malaria control and model rural sanitation.....	12, 500
Total.....	1, 639, 619

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.

José López Ocosta, San Juan.

G. A. Ramirez de Arellano, San Juan.

M. Roses Artau, M. D., San Juan.

Executive health officer:

*Pedro N. Ortíz, 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 Marcano, 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, 1923, and June 30, 1927:

Office of the commissioner of health.....	\$272, 838. 00
Leper hospital.....	36, 790. 75
Quarantine hospital.....	12, 684. 00

Antituberculosis sanatorium of Porto

Rico.....	\$146, 824. 00
Blind asylum.....	41, 000. 00
Institute for blind children.....	25, 080. 00
Insane asylum.....	116, 435. 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 of health.....	15, 000. 00
Control and prevention of tuberculosis.....	75, 000. 00
Control and prevention of venereal diseases.....	12, 000. 00
Prevention of infantile mortality.....	50, 000. 00
Extermination of mosquitoes and control and suppression of malaria.....	50, 000. 00
Suppression of anemia.....	150, 000. 00
Extermination of rats.....	20, 000. 00
Control and suppression of infantile tetanus and ophthalmia neonatorum.....	2, 600. 00
Emergency fund for the control and suppression of epidemics.....	10, 000. 00
Girls' charity school.....	85, 776. 00
Boys' charity school.....	114, 187. 00
Sanitation fund, trust fund.....	153, 038. 22
Total.....	1, 398, 062. 97

RHODE ISLAND

Board of health:

William F. Williams, M. D., president, Bristol.
Joseph M. Bennett, M. D., vice president, Providence.

Thomas J. McLaughlin, M. D., Woonsocket.

Alexander B. Briggs, M. D., Ashaway.

Berton W. Storrs, M. D., Portsmouth.

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 Nov. 30, 1926:

Executive department.....	\$30, 000
Chemical laboratory.....	18, 000
Pathological laboratory.....	20, 000
Child welfare.....	10, 000
Venereal diseases.....	10, 000
Total.....	88, 000

SOUTH CAROLINA

Executive committee, board of health:

Robert Wilson, jr., M. D., chairman, Charleston.

L. D. Boone, M. D., Langley.

Davis Furman, M. D., Greenville.

E. A. Hines, M. D., Sereca.

W. R. Wallace, M. D., Chester.

Wm. Eggleston, M. D., Hartsville.

G. C. Propst, Ph. G., Sumter.

Executive committee, board of health—Continued.

- 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:

- *Ben F. Wyman, 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 Sanatorium:

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

Epidemiologist:

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

Sanitary engineer:

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

State hotel inspector:

- Paul H. Leonard, Columbia.

Appropriations for fiscal year ending Dec. 31, 1925:

Administrative office.....	\$56,281.30
Bureau of child hygiene.....	16,492.00
Bureau of vital statistics.....	7,625.00
Laboratory.....	11,830.00
Bureau of rural sanitation.....	25,322.94
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:

- R. D. Alway, M. D., president, Aberdeen.
- H. R. Kenaston, M. D., vice president, Bone-steel.

- Albert C. Clark, M. D., Woonsocket.
- F. E. Clough, M. D., Lead.
- 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 epidemiology:

- *D. R. Jones, 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. Wieters, 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 Vermilion:

- *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., 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:

- *A. F. Richards, M. D., director, Nashville.

Division of child hygiene and public health nursing:

- *W. J. Breeding, M. D., director, Nashville.
- *Miss M. G. Nisbet, 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
Veneral disease control fund (unexpended balance).....	2,772.49
Total.....	247,607.59

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 cooperation 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.
 R. W. Noble, M. D., Temple.
 Phil Russell, D. O., Fort Worth.
 A. H. Braden, M. D., Houston.
 E. L. Lawrence, M. D., Rhordale.
 Joe R. Frobese, M. D., San Antonio.
 Ralph Bailey, M. D., Gatesville.

Executive health officer:

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

Division of child hygiene:

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

Division of communicable diseases:

Livingstone Anderson, M. D., epidemiologist.

Division of vital statistics:

C. E. Durham, M. D., director.

Food and drug division:

E. H. Golaz, director.

Sanitary engineering division:

V. M. Ehlers, C. E., chief sanitary engineer.

Appropriations for fiscal year ending Aug. 31, 1927:

General fund.....	\$139,640.52
Special fund.....	36,450.52
Total.....	176,091.04

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:

Sanitary engineer:

*Leonard H. Male

Bacteriological laboratory:

*E. H. Bramhall, bacteriologist.

Appropriations for biennial period ending Mar. 31, 1927:

Salaries.....	\$33,900
Office expense.....	8,000
Travel.....	3,500
Equipment.....	1,000
Child hygiene.....	13,000
Total.....	59,400

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 communicable 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. T. Graham, M. D., acting president, Richmond.
 Mrs. W. M. Smith, Berryville.
 Frank Darling, Hampton.
 J. A. McGuire, M. D., Norton.
 Guy R. Harrison, D. D. S., Richmond.
 George B. Lawson, M. D., Roanoke.
 L. T. Royster, M. D., Charlottesville.

Executive health officer:

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

Assistant health commissioner and director of rural health work:

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

Registrar of vital statistics:

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

Bacteriologist:
 *A. H. Straus, Richmond.

Sanitary engineer:
 Richard Messer, C. E., Richmond.

Director cooperative sanitation:
 *L. L. Williams, Jr., Surgeon, U. S. P. H. S.

Bureau of child welfare:
 *Mary E. Brydon, M. D., Richmond.

Director public health nursing:
 *Nannie J. Minor, R. N., Richmond.

Director mouth hygiene:
 *N. Talley Ballou, D. D. S., Richmond.

Director tuberculosis education:
 *Agnes D. Randolph, R. N., Richmond.

Epidemiologist:
 *H. G. Grant, M. D., Richmond.

Director social hygiene education:
 *Mrs. F. B. Croxton, R. N., Richmond.

Appropriations for fiscal year ending June 30, 1927:

Administration.....	\$22,640
Sanitary engineering.....	17,570
Publicity.....	5,600
Rural health work.....	40,000
Malaria.....	5,000
Inspection of convict camps.....	3,000
Laboratory.....	19,900
Child welfare and public health nursing.....	50,000
Bureau of social hygiene.....	7,000
Control of epidemics.....	5,000
Vital statistics.....	22,495
Collection and publication of marriage and divorce statistics.....	3,076
Prevention of blindness.....	2,300
Tuberculosis education.....	23,350
Total.....	226,931

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

WASHINGTON

Board of health:
 A. E. Stuht, 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.
 H. W. Nightingale, secretary, Seattle.

Executive health officer:
 *A. E. Stuht, 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:
 *H. W. Nightingale, C. E., Seattle.

Registrar:
 *H. W. Nightingale, C. E., Seattle.

Division of child hygiene:
 *A. E. Stuht, M. D., chief.
 *Ella S. Erikson, advisory nurse.

Appropriation for one year ending Mar. 31, 1927:

Operations.....	\$40,000
Division of child hygiene—	
State.....	5,000
Federal.....	10,000
Tuberculosis hospitals (State aid to local sanatoria).....	100,000

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.
 *John B. Harrington, assistant engineer, Charleston.
 *Daniel W. Evans, 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.

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 Fiedler, 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.

Deputy State health officers:

*G. W. Henika, M. D., Madison.
 *George E. Hoyt, M. D., Milwaukee.
 *H. B. Sears, M. D., Oshkosh.
 *V. A. Gudex, M. D., Eau Claire.
 *A. E. deNeuve, M. D., Rhinelander.

Bureau of vital statistics:

*C. A. Harper, M. D., State registrar, Madison.

Bureau of communicable diseases:

*F. F. Bowman, M. D., epidemiologist, Madison.
 *H. M. Guilford, M. D., director, Madison.

Bureau of sanitary engineering:

*C. M. Baker, State sanitary engineer, Madison.
 *L. F. Warrick, assistant sanitary engineer, stream pollution, Madison.
 *O. J. Muegge, assistant sanitary engineer, Madison.
 *E. J. Tully, chemical engineer, Madison.

Bureau of education:

*L. W. Bridgman, acting director, Madison.

Bureau of child welfare:

*Cora S. Allen, M. D., director, Madison.
 *Sylvia G. Stuessy, M. D., child health physician, Madison.
 *Charlotte Calvert, M. D., child health physician, Madison.
 *Mrs. Gertrude S. Hasbrouck, organizer of infant hygiene classes, Madison.

Bureau of public health nursing:

*Cecilia A. Evans, R. N., director, Madison.
 *Marie U. Puls, R. N., field advisory nurse, 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.
 *Aimed Zillmer, lecturer, 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.
 *Elizabeth Brown, director cooperative laboratory, Superior.
 *A. H. Broche, M. D., director, cooperative laboratory, Oshkosh.
 *Marjorie Bates, technician.
 *Henry Miller, director cooperative laboratory, Kenosha.
 *Josephine Foote, director cooperative laboratory, Wausau.
 *Ralph Metcalf, director cooperative laboratory, Beloit.
 *Clarissa McPetridge, director, cooperative laboratory, Green Bay.

Appropriations for fiscal year ending June 30, 1926:

General administration	\$51,000
Emergency appropriation for epidemics	7,500
Branch laboratory and State cooperative laboratories	9,000
Prevention of infantile blindness	1,000
Venereal disease control work	36,370
Bureau of sanitary engineering	14,000
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	217,820

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.

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.

EXAMINATIONS FOR ENTRANCE INTO THE REGULAR CORPS OF THE PUBLIC HEALTH SERVICE

Examinations of candidates for entrance into the Regular Corps of the United States Public Health Service will be held at the following-named places on the dates specified:

Washington, D. C.-----	Oct. 4, 1926.
Chicago, Ill.-----	Oct. 4, 1926.
New Orleans, La.-----	Oct. 4, 1926.
San Francisco, Calif.-----	Oct. 4, 1926.

Candidates must be not less than 23 nor more than 32 years of age, and they must have been graduated in medicine at some reputable medical college, and have had one year's hospital experience or two years' professional practice. They must pass satisfactorily, oral, written, and clinical tests before a board of medical officers and undergo a physical examination.

Successful candidates will be recommended for appointment by the President, with the advice and consent of the Senate.

Requests for information or permission to take this examination should be addressed to the Surgeon General United States Public Health Service, Washington, D. C.

DEATHS DURING WEEK ENDED AUGUST 14, 1926

Summary of information received by telegraph from industrial insurance companies for week ended August 14, 1926, and corresponding week of 1925. (From the Weekly Health Index, August 18, 1926, issued by the Bureau of the Census, Department of Commerce)

	Week ended Aug. 14, 1926	Corresponding week, 1925
Policies in force.-----	65, 073, 227	60, 761, 269
Number of death claims.-----	10, 561	9, 806
Death claims per 1,000 policies in force, annual rate.-----	8. 5	8. 4

Deaths from all causes in certain large cities of the United States during the week ended August 14, 1926, infant mortality, annual death rate, and comparison with corresponding week of 1925. (From the Weekly Health Index, August 18, 1926, issued by the Bureau of the Census, Department of Commerce)

City	Week ended Aug. 14, 1926		Annual death rate per 1,000 corresponding week, 1925	Deaths under 1 year		Infant mortality rate, week ended Aug. 14, 1926 ¹
	Total deaths	Death rate ¹		Week ended Aug. 14, 1926	Corresponding week, 1925	
Total (65 cities)-----	5, 888	10. 7	11. 4	780	906	62
Akron-----	29			4	7	43
Albany ⁴ -----	18	7. 9	12. 8	4	5	84
Atlanta-----	81			10	23	
White-----	28			4		
Colored-----	53	(⁵)		6		
Baltimore ⁴ -----	186	12. 0	12. 0	41	37	120
White-----	145			26		93
Colored-----	41	(⁵)		15		243

¹Annual rate per 1,000 population.

²Deaths under 1 year per 1,000 births. Cities left blank are not in the registration area for births.

³Data for 63 cities.

⁴Deaths for week ended Friday, Aug. 13, 1926.

⁵In the cities for which deaths are shown by color, the colored population in 1920 constituted the following percentages of the total population: Atlanta 31, Baltimore 15, Birmingham 39, Dallas 15, Fort Worth 14, Houston 25, Indianapolis 11, Kansas City, Kans., 14, Louisville 17, Memphis 38, Nashville 30, New Orleans 26, Norfolk 38, Richmond 32, and Washington, D. C., 25.

Deaths from all causes in certain large cities of the United States during the week ended August 14, 1926, infant mortality, annual death rate, and comparison with corresponding week of 1925. (From the Weekly Health Index, August 18, 1926, issued by the Bureau of the Census, Department of Commerce)—Continued

City	Week ended Aug. 14, 1926		Annual death rate per 1,000 corresponding week, 1925	Deaths under 1 year		Infant mortality rate, week ended Aug. 14, 1926
	Total deaths	Death rate		Week ended Aug. 14, 1926	Corresponding week, 1925	
Birmingham	75	18.5	11.9	10	7	
White	34			6		
Colored	41	(⁵)		4		
Boston	181	12.0	13.0	36	23	101
Bridgeport	29			7	4	119
Buffalo	112	10.7	12.3	13	19	54
Cambridge	21	9.0	5.2	3	2	50
Camden	33	13.1	12.2	7	7	118
Canton	22	10.4	9.3	5	1	111
Chicago	497	8.5	10.4	61	87	54
Cincinnati	137	17.4	16.7	19	19	118
Cleveland	173	9.4	9.8	25	20	65
Columbus	68	12.4	13.2	4	13	37
Dallas	55	14.3	12.9	11	7	
White	37			8		
Colored	18	(⁵)		3		
Dayton	33	9.7	12.4	0	3	0
Denver	70	12.8	14.5	6	10	
Des Moines	19	6.8	8.5	2	0	33
Detroit	261	10.5	9.4	38	40	61
Duluth	21	9.7	9.4	0	2	0
El Paso	23	11.0	10.9	6	6	
Eric	16			4	2	76
Fall River	21	8.4	6.9	6	4	87
Flint	20	7.6	10.0	3	5	50
Fort Worth	24	7.9	7.2	2	1	
White	18			2		
Colored	6	(⁵)		0		
Grand Rapids	32	10.7	9.5	3	3	43
Houston	50			5	4	
White	33			3		
Colored	17	(⁵)		2		
Indianapolis	93	13.2	12.8	19	14	129
White	78			17		144
Colored	16	(⁵)		2		110
Jersey City	52	8.5	11.1	8	10	57
Kansas City, Kans.	28	12.5	10.3	4	2	69
White	21			3		63
Colored	7	(⁵)		1		131
Kansas City, Mo.	99	13.8	14.3	12	17	
Los Angeles	190			17	19	47
Louisville	63	10.6	16.6	13	20	112
White	50			10		100
Colored	13	(⁵)		3		188
Lowell	20			4	7	74
Lynn	8	4.0	10.6	0	2	0
Memphis	78	23.0	12.0	10	8	
White	41			6		
Colored	37	(⁵)		4		
Milwaukee	80	8.1	8.9	10	17	46
Minneapolis	75	9.0	9.3	8	5	45
Nashville	49	18.6	22.2	13	17	
New Bedford	24			2	6	35
New Orleans	143	17.8	21.5	19	29	
White	84			9		
Colored	59	(⁵)		10		
New York	1,107	9.7	10.2	137	159	55
Bronx Borough	139	8.1	8.4	9	12	30
Brooklyn Borough	367	8.5	8.8	56	55	57
Manhattan Borough	461	12.8	12.8	52	63	57
Queens Borough	111	7.6	8.8	19	23	86
Richmond Borough	29	10.6	15.1	1	6	18
Newark, N. J.	82	9.3	10.0	9	16	43
Norfolk	33	9.9	12.0	5	8	93
White	14			3		89
Colored	19	(⁵)		2		99
Oakland	55	11.0	9.2	3	3	35
Oklahoma City	23			2	2	
Omaha	40	9.7	11.3	3	6	31
Paterson	30	10.9	11.0	4	5	70

Deaths from all causes in certain large cities of the United States during the week ended August 14, 1926, infant mortality, annual death rate, and comparison with corresponding week of 1925. (From the Weekly Health Index, August 18, 1926, issued by the Bureau of the Census, Department of Commerce)—Continued

City	Week ended Aug. 14, 1926		Annual death rate per 1,000 corresponding week, 1925	Deaths under 1 year		Infant mortality rate, week ended Aug. 14, 1926
	Total deaths	Death rate		Week ended Aug. 14, 1926	Corresponding week, 1925	
Philadelphia.....	381	9.9	11.7	53	78	70
Pittsburgh.....	190	10.6	13.0	16	21	53
Portland, Oreg.....	75			2	4	20
Providence.....	50	9.5	10.3	9	5	75
Richmond.....	55	15.2	19.0	10	16	126
White.....	32			8		157
Colored.....	23	(^b)		2		70
Rochester.....	63	10.2	10.9	9	13	72
St. Louis.....	218	13.7	18.3	22	17	
St. Paul.....	44	9.3	9.1	0	3	0
Salt Lake City ⁴	25	9.8	11.1	6	4	83
San Antonio.....	40	10.2	12.6	8	14	
San Diego.....	38	18.0	10.8	4	2	84
San Francisco.....	108	9.9	11.9	6	8	36
Schenectady.....	9	5.0	7.9	1	1	29
Seattle.....	59			3	3	28
Somerville.....	22	11.5	2.6	3		78
Spokane.....	26	12.4	10.5	1	1	23
Springfield, Mass.....	19	6.8	9.9	2	3	29
Syracuse.....	43	12.2	10.6	5	3	63
Tacoma.....	24	11.8	7.5	3	1	70
Toledo.....	59	10.5	8.3	4	7	39
Trenton.....	31	12.1	13.0	0	5	0
Utica.....	20	10.1	11.3	1	5	22
Washington, D. C.....	139	13.7	11.2	13	16	74
White.....	77			7		58
Colored.....	62	(^b)		6		109
Waterbury.....	14			2		43
Wilmington, Del.....	24	10.1	9.4	3	7	70
Worcester.....	49	13.2	10.9	5	6	58
Yonkers.....	16	7.2	8.3	4	3	90
Youngstown.....	38	12.0	10.4	10	7	127

For footnotes see p. 1846.

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 August 21, 1926

ALABAMA			CALIFORNIA	
	Cases			Cases
Chicken pox.....	8	Cerebrospinal meningitis—Sacramento.....		1
Diphtheria.....	13	Chicken pox.....		57
Influenza.....	8	Diphtheria.....		46
Lethargic encephalitis.....	1	Influenza.....		4
Malaria.....	116	Leprosy—San Bernardino County.....		1
Measles.....	24	Lethargic encephalitis—Los Angeles.....		1
Mumps.....	5	Measles.....		86
Pellagra.....	16	Mumps.....		51
Pneumonia.....	16	Poliomyelitis:		
Poliomyelitis.....	1	Alhambra.....		1
Scarlet fever.....	8	Los Angeles.....		1
Smallpox.....	9	Los Angeles County.....		1
Tetanus.....	9	Pasadena.....		1
Tuberculosis.....	83	Sacramento County.....		1
Typhoid fever.....	160	San Luis Obispo.....		1
Typhus fever.....	1	Santa Paula.....		1
Whooping cough.....	70	Scarlet fever.....		47
		Smallpox.....		4
		Tuberculosis.....		190
		Typhoid fever.....		21
		Whooping cough.....		24
ARIZONA				
Diphtheria.....	2	COLORADO		
Measles.....	1	Chicken pox.....		4
Scarlet fever.....	4	Diphtheria.....		9
Trachoma.....	2	Measles.....		4
Tuberculosis.....	76	Scarlet fever.....		6
Typhoid fever.....	1	Trachoma.....		1
		Tuberculosis.....		27
ARKANSAS		Typhoid fever.....		12
Chicken pox.....	16	Whooping cough.....		11
Diphtheria.....	1			
Hookworm disease.....	1	CONNECTICUT		
Influenza.....	41	Cerebrospinal meningitis.....		1
Malaria.....	176	Chicken pox.....		5
Measles.....	3	Diphtheria.....		8
Mumps.....	5	German measles.....		3
Paratyphoid fever.....	5	Influenza.....		2
Pellagra.....	30	Malaria.....		1
Scarlet fever.....	7	Measles.....		13
Smallpox.....	13	Mumps.....		2
Trachoma.....	3	Paratyphoid fever.....		2
Tuberculosis.....	19			
Typhoid fever.....	53			
Whooping cough.....	30			

CONNECTICUT—continued

	Cases
Pneumonia (broncho).....	5
Pneumonia (lobar).....	11
Polioomyelitis.....	1
Scarlet fever.....	14
Septic sore throat.....	30
Tetanus.....	2
Trachoma.....	1
Typhoid fever.....	4
Tuberculosis (all forms).....	30
Whooping cough.....	25

DELAWARE

Anthrax.....	1
Tuberculosis.....	1
Typhoid fever.....	1

GEORGIA

Chicken pox.....	3
Conjunctivitis (infectious).....	1
Dengue.....	1
Diphtheria.....	12
Dysentery.....	15
Hookworm disease.....	2
Influenza.....	6
Malaria.....	101
Measles.....	2
Mumps.....	5
Paratyphoid fever.....	1
Pellagra.....	4
Pneumonia.....	6
Scarlet fever.....	1
Septic sore throat.....	8
Smallpox.....	5
Tuberculosis.....	13
Typhoid fever.....	90
Whooping cough.....	13

IDAHO

Chicken pox.....	3
Diphtheria.....	3
Measles.....	2
Smallpox.....	1
Typhoid fever.....	5
Whooping cough.....	2

ILLINOIS

Chicken pox.....	27
Diphtheria.....	34
Influenza.....	49
Lethargic encephalitis:	
Cook County.....	1
Livingston County.....	1
Measles.....	116
Mumps.....	12
Pneumonia.....	109
Polioomyelitis:	
Cook County.....	1
Du Page County.....	2
Edwards County.....	1
Rock Island County.....	1
Sangamon County.....	1
Vermilion County.....	1
Scarlet fever.....	65
Smallpox.....	3
Tuberculosis.....	656
Typhoid fever.....	53
Whooping cough.....	194

INDIANA

	Cases
Chicken pox.....	4
Diphtheria.....	19
Influenza.....	6
Measles.....	13
Polioomyelitis.....	1
Scarlet fever.....	26
Smallpox.....	9
Tuberculosis.....	68
Typhoid fever.....	28
Whooping cough.....	87

IOWA

Chicken pox.....	6
Diphtheria.....	10
Measles.....	3
Mumps.....	1
Pneumonia.....	1
Scarlet fever.....	21
Smallpox.....	2
Tuberculosis.....	21
Typhoid fever.....	7
Whooping cough.....	15

KANSAS

Cerebrospinal meningitis—Burton.....	1
Chicken pox.....	3
Diphtheria.....	7
German measles.....	1
Influenza.....	1
Measles.....	15
Mumps.....	1
Pneumonia.....	2
Scarlet fever.....	24
Smallpox.....	3
Tuberculosis.....	20
Typhoid fever.....	43
Whooping cough.....	41

LOUISIANA

Diphtheria.....	20
Influenza.....	12
Leprosy.....	1
Malaria.....	51
Paratyphoid fever.....	1
Pneumonia.....	26
Scarlet fever.....	4
Smallpox.....	6
Tuberculosis.....	20
Typhoid fever.....	44
Whooping cough.....	5

MAINE

Chicken pox.....	6
Measles.....	28
Mumps.....	2
Pneumonia.....	2
Scarlet fever.....	27
Tetanus.....	1
Tuberculosis.....	9
Typhoid fever.....	2
Whooping cough.....	19

MARYLAND¹

Cerebrospinal meningitis.....	1
Chicken pox.....	4
Diphtheria.....	8

¹ Week ended Friday.

MARYLAND—continued

	Cases
Dysentery.....	9
Influenza.....	2
Lethargic encephalitis.....	3
Measles.....	9
Mumps.....	5
Ophthalmia neonatorum.....	1
Paratyphoid fever.....	1
Pellagra.....	1
Pneumonia (broncho).....	8
Pneumonia (lobar).....	10
Poliomyelitis.....	3
Scarlet fever.....	6
Septic sore throat.....	2
Tuberculosis.....	54
Typhoid fever.....	32
Whooping cough.....	98

MASSACHUSETTS

Chicken pox.....	26
Diphtheria.....	22
German measles.....	5
Influenza.....	2
Lethargic encephalitis.....	3
Malaria.....	1
Measles.....	31
Mumps.....	37
Ophthalmia neonatorum.....	55
Pellagra.....	1
Pneumonia (lobar).....	23
Poliomyelitis.....	21
Scarlet fever.....	81
Septic sore throat.....	4
Tetanus.....	2
Trachoma.....	1
Tuberculosis (pulmonary).....	96
Tuberculosis (other forms).....	11
Typhoid fever.....	12
Whooping cough.....	86

MICHIGAN

Diphtheria.....	82
Measles.....	41
Pneumonia.....	18
Scarlet fever.....	51
Smallpox.....	6
Tuberculosis.....	86
Typhoid fever.....	25
Whooping cough.....	141

MINNESOTA

Chicken pox.....	3
Diphtheria.....	26
Influenza.....	3
Measles.....	24
Poliomyelitis.....	1
Scarlet fever.....	100
Tuberculosis.....	38
Typhoid fever.....	7
Whooping cough.....	40

MISSISSIPPI

Diphtheria.....	8
Poliomyelitis.....	1
Scarlet fever.....	7
Typhoid fever.....	34

MISSOURI

	Cases
Cerebrospinal meningitis.....	2
Chicken pox.....	4
Diphtheria.....	24
Measles.....	12
Pneumonia.....	2
Rabies.....	1
Scarlet fever.....	28
Smallpox.....	3
Tetanus.....	1
Trachoma.....	1
Tuberculosis.....	48
Typhoid fever.....	53
Whooping cough.....	26

MONTANA

Diphtheria.....	1
German measles.....	1
Measles.....	7
Scarlet fever.....	7
Typhoid fever.....	4

NEBRASKA

Chicken pox.....	3
Diphtheria.....	3
Measles.....	3
Mumps.....	1
Pneumonia.....	1
Scarlet fever.....	22
Smallpox.....	6
Tuberculosis.....	11
Typhoid fever.....	4
Whooping cough.....	16

NEW JERSEY

Cerebrospinal meningitis.....	1
Chicken pox.....	6
Diphtheria.....	41
Dysentery.....	3
Measles.....	42
Paratyphoid fever.....	1
Pneumonia.....	24
Poliomyelitis.....	1
Scarlet fever.....	26
Typhoid fever.....	19
Whooping cough.....	85

NEW MEXICO

German measles.....	1
Measles.....	7
Mumps.....	2
Rabies (in animals).....	3
Scarlet fever.....	1
Tuberculosis.....	36
Typhoid fever.....	6
Whooping cough.....	6

NEW YORK

(Exclusive of New York City)

Cerebrospinal meningitis.....	3
Chicken pox.....	43
Diphtheria.....	34
Dysentery.....	2
German measles.....	12
Lethargic encephalitis.....	4
Malaria.....	1

NEW YORK—continued

	Cases
Measles.....	127
Mumps.....	33
Ophthalmia neonatorum.....	1
Paratyphoid fever.....	2
Pneumonia.....	37
Poliomyelitis.....	44
Scarlet fever.....	34
Septic sore throat.....	1
Smallpox.....	4
Tetanus.....	2
Trachoma.....	1
Typhoid fever.....	24
Vincent's angina.....	3
Whooping cough.....	180

NORTH CAROLINA

Cerebrospinal meningitis.....	1
Chicken pox.....	8
Diphtheria.....	36
German measles.....	2
Malaria.....	21
Measles.....	35
Poliomyelitis.....	1
Scarlet fever.....	18
Septic sore throat.....	3
Smallpox.....	11
Trachoma.....	3
Typhoid fever.....	97
Whooping cough.....	214

OKLAHOMA

(Exclusive of Oklahoma City and Tulsa)

Cerebrospinal meningitis:	
Jefferson County.....	1
Le Flore County.....	1
Washita County.....	1
Diphtheria.....	12
Influenza.....	30
Malaria.....	91
Measles.....	8
Pellagra.....	12
Pneumonia.....	15
Smallpox.....	1
Typhoid fever.....	122
Whooping cough.....	26

OREGON

Cerebrospinal meningitis.....	1
Chicken pox.....	4
Diphtheria.....	11
Influenza.....	7
Malaria.....	1
Measles.....	14
Mumps.....	7
Pneumonia.....	4
Scarlet fever.....	23
Septic sore throat.....	3
Smallpox.....	4
Tuberculosis.....	4
Typhoid fever.....	8
Whooping cough.....	4

PENNSYLVANIA

	Cases
Anthrax—Philadelphia.....	1
Cerebrospinal meningitis:	
Bradford.....	1
Titusville.....	1
Chicken pox.....	46
Diphtheria.....	92
German measles.....	4
Impetigo contagiosa.....	3
Measles.....	138
Mumps.....	7
Ophthalmia neonatorum—Philadelphia.....	1
Pneumonia.....	17
Poliomyelitis:	
Johnstown.....	1
Philadelphia.....	2
Scattering.....	4
Scarlet fever.....	83
Tetanus—Beaver Falls.....	1
Trachoma—Philadelphia.....	1
Tuberculosis.....	106
Typhoid fever.....	51
Whooping cough.....	399

SOUTH DAKOTA

Measles.....	5
Scarlet fever.....	6
Tuberculosis.....	1
Typhoid fever.....	2
Whooping cough.....	2

TENNESSEE

Diphtheria.....	15
Dysentery.....	2
Lethargic encephalitis—Obion County.....	1
Malaria.....	51
Measles.....	8
Ophthalmia neonatorum.....	1
Pellagra.....	5
Pneumonia.....	1
Poliomyelitis:	
Chatanooga.....	1
Knoxville.....	1
Scarlet fever.....	14
Smallpox.....	1
Tuberculosis.....	35
Typhoid fever.....	150
Whooping cough.....	62

TEXAS

Chicken pox.....	6
Dengue.....	1
Diphtheria.....	6
Dysentery.....	4
Influenza.....	15
Measles.....	3
Mumps.....	7
Pellagra.....	6
Pneumonia.....	1
Rabies (human).....	2
Scarlet fever.....	13
Smallpox.....	2
Trachoma.....	2
Tuberculosis.....	8
Typhoid fever.....	31
Whooping cough.....	29

* Deaths.

UTAH		WASHINGTON—continued	
	Cases		Cases
Chicken pox.....	2	Poliomyelitis.....	1
Diphtheria.....	4	Scarlet fever.....	21
Influenza.....	1	Smallpox.....	16
Measles.....	7	Tuberculosis.....	8
Mumps.....	2	Typhoid fever.....	26
Poliomyelitis—Salt Lake City.....	1	Whooping cough.....	24
Typhoid fever.....	4		
Whooping cough.....	32		
VERMONT		WEST VIRGINIA	
Chicken pox.....	2	Diphtheria.....	13
Diphtheria.....	3	Influenza.....	4
Measles.....	4	Measles.....	18
Typhoid fever.....	4	Scarlet fever.....	13
Whooping cough.....	5	Smallpox.....	5
		Tuberculosis.....	27
		Typhoid fever.....	16
		Whooping cough.....	34
WASHINGTON		WYOMING	
Cerebrospinal meningitis:		Chicken pox.....	1
Chelan County.....	1	Diphtheria.....	2
Spokane.....	1	Measles.....	4
Chicken pox.....	15	Mumps.....	1
Diphtheria.....	14	Scarlet fever.....	3
German measles.....	7	Tuberculosis.....	1
Measles.....	15	Vincent's angina.....	1
Mumps.....	5	Whooping cough.....	4

Reports for Week Ended August 14, 1926

DISTRICT OF COLUMBIA		NORTH DAKOTA—continued	
	Cases		Cases
Diphtheria.....	4	Tuberculosis.....	5
Measles.....	4	Typhoid fever.....	1
Pneumonia.....	7	Whooping cough.....	24
Scarlet fever.....	2		
Smallpox.....	2		
Tuberculosis.....	22		
Typhoid fever.....	3		
Whooping cough.....	19		
NORTH DAKOTA		SOUTH CAROLINA	
Chicken pox.....	1	Chicken pox.....	6
Diphtheria.....	3	Diphtheria.....	10
German measles.....	1	Hookworm disease.....	43
Measles.....	11	Influenza.....	58
Pneumonia.....	4	Malaria.....	330
Scarlet fever.....	37	Measles.....	6
Smallpox.....	5	Paratyphoid fever.....	13
		Pellagra.....	115
		Scarlet fever.....	7
		Smallpox.....	10
		Tuberculosis.....	49
		Typhoid fever.....	130
		Whooping cough.....	47

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>April, 1926</i>										
Pennsylvania.....	8	695		5	18,202	1	2	2,384	9	91
<i>May, 1926</i>										
Florida.....	2	55	9	12	327	8	0	31	269	55
<i>June, 1926</i>										
Florida.....	3	36	96	39	116	7	2	25	187	76
<i>July, 1926</i>										
Arkansas.....	2	7	46	330	61	66	0	22	7	165
Colorado.....		42	3	2	79		0	37	6	20
New Jersey.....	5	221	10	1	592		5	249	2	44
New York.....	17	919	69	21	3,994		56	849	87	142
North Dakota.....		22					0	105	17	8
Tennessee.....		14	28	346	261	143	1	53	29	590
Vermont.....		14			65		5	7	0	3

RECIPROCAL NOTIFICATIONS

Notifications regarding communicable diseases sent during the month of July, 1926, to other State health departments by departments of health of certain States

Referred by—	Chicken pox	Diphtheria	Scarlet fever	Small-pox	Tuberculosis	Typhoid fever
California.....					6	
Connecticut.....		1			1	
Illinois.....	1			2	3	3
Minnesota.....					78	1
New York.....		3	2	4		1

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

Diphtheria.—For the week ended August 7, 1926, 38 States reported 721 cases of diphtheria. For the week ended August 8, 1925, the same States reported 870 cases of this disease. Ninety-six cities, situated in all parts of the country, and having an aggregate population of about 30,000,000, reported 455 cases of diphtheria for the week ended August 7, 1926. Last year for the corresponding week they reported 474 cases. The estimated expectancy for these cities was 540 cases. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Measles.—Thirty-six States reported 1,614 cases of measles for the week ended August 7, 1926, and 586 cases of this disease for the week ended August 8, 1925. Ninety-six cities reported 380 cases of measles for the week this year, and 285 cases last year.

Poliomyelitis.—The health officers of 38 States reported 65 cases of poliomyelitis for the week ended August 7, 1926. The same States reported 296 cases for the week ended August 8, 1925.

Scarlet fever.—Scarlet fever was reported for the week as follows: Thirty-eight States—this year, 796 cases; last year, 773 cases; 96 cities—this year, 353 cases; last year, 291 cases; estimated expectancy, 248 cases.

Smallpox.—For the week ended August 7, 1926, 38 States reported 288 cases of smallpox. Last year for the corresponding week they reported 211 cases. Ninety-six cities reported smallpox for the week as follows: 1926, 43 cases; 1925, 50 cases; estimated expectancy, 43 cases. One death from smallpox was reported by these cities for the week this year—at Los Angeles, Calif.

Typhoid fever.—One thousand and seventy-five cases of typhoid fever were reported for the week ended August 7, 1926, by 37 States. For the corresponding week of 1925 the same States reported 1,329 cases of this disease. Ninety-six cities reported 161 cases of typhoid fever for the week this year and 225 cases for the corresponding week last year. The estimated expectancy for these cities was 208 cases.

Influenza and pneumonia.—Deaths from influenza and pneumonia were reported for the week by 91 cities, with a population of more than 29,300,000, as follows: 1926, 320 deaths; 1925, 302 deaths.

City reports for week ended August 7, 1926

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 1917 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, 1925, 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 expect-ancy	Cases re-ported	Cases re-ported	Deaths re-ported			
NEW ENGLAND									
Maine:									
Portland.....	75, 333	0	1	0	0	0	0	0	0
New Hampshire:									
Concord.....	22, 546	0	1	0	0	0	2	0	1
Manchester.....	83, 097	0	0	0	0	0	1	0	1
Vermont:									
Barre.....	10, 008	0	0	0	0	0	0	0	0
Massachusetts:									
Boston.....	779, 620	10	32	8	1	0	18	23	10
Fall River.....	128, 993	0	3	0	0	0	0	2	0
Springfield.....	142, 065	3	1	0	0	0	0	0	2
Worcester.....	190, 757	1	2	5	0	0	0	1	2

City reports for week ended August 7, 1926—Continued

Division, State, and city	Population July 1, 1925, 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—CON.									
Rhode Island:									
Pawtucket.....	69,760	0	1	1	0	0	0	0	1
Providence.....	267,918	0	4	2	0	0	5	0	1
Connecticut:									
Bridgeport.....	(¹)	0	4	1	0	0	0	0	2
Hartford.....	160,197	0	3	0	0	0	0	0	3
New Haven.....	178,927	1	1	0	0	0	10	0	1
MIDDLE ATLANTIC									
New York:									
Buffalo.....	538,016	1	11	5	0	0	3	1	4
New York.....	5,873,356	43	128	89	22	2	19	23	63
Rochester.....	316,786	2	5	14	0	0	2	1	4
Syracuse.....	182,003	4	3	0	0	1	23	0	3
New Jersey:									
Camden.....	128,642	1	2	2	0	0	2	0	2
Newark.....	452,513	14	8	5	3	0	6	5	5
Trenton.....	132,020	0	2	1	0	0	0	0	0
Pennsylvania:									
Philadelphia.....	1,979,364	23	34	49	0	0	15	5	24
Pittsburgh.....	631,533	0	13	11	0	2	10	0	7
Reading.....	112,707	1	2	0	0	0	4	0	0
EAST NORTH CENTRAL									
Ohio:									
Cincinnati.....	409,333	3	5	6	0	1	18	3	2
Cleveland.....	936,485	24	17	36	0	0	2	1	10
Columbus.....	279,836	2	2	7	0	0	3	0	3
Toledo.....	287,380	3	5	3	0	0	7	0	0
Indiana:									
Fort Wayne.....	97,946	1	2	0	0	0	4	0	0
Indianapolis.....	358,819	1	5	3	0	0	3	0	7
South Bend.....	80,091	1	1	0	0	0	2	0	0
Terre Haute.....	71,071	0	0	0	0	0	1	0	1
Illinois:									
Chicago.....	2,905,239	41	60	26	1	1	67	13	16
Peoria.....	81,564	0	1	0	0	0	0	0	0
Springfield.....	63,923	0	1	0	0	0	0	0	2
Michigan:									
Detroit.....	1,245,824	6	24	54	0	0	2	0	12
Flint.....	130,316	1	3	2	0	0	3	1	1
Grand Rapids.....	153,698	1	2	0	0	0	7	0	2
Wisconsin:									
Kenosha.....	50,891	0	1	0	0	0	26	0	0
Madison.....	46,385	0	0	0	0	0	0	0	0
Milwaukee.....	509,192	12	9	15	0	0	25	3	5
Racine.....	67,707	0	0	4	0	0	3	4	0
Superior.....	39,671	0	0	1	0	0	0	0	0
WEST NORTH CENTRAL									
Minnesota:									
Duluth.....	110,502	0	1	0	0	0	7	0	0
Minneapolis.....	425,435	15	10	10	0	0	1	0	8
St. Paul.....	246,001	1	10	1	0	0	5	0	6
Iowa:									
Sioux City.....	76,411	0	0	1	0	0	0	0	0
Waterloo.....	36,771	0	0	1	0	0	3	0	0
Missouri:									
Kansas City.....	367,481	0	2	0	0	0	2	1	6
St. Joseph.....	78,342	0	1	0	0	0	0	0	1
St. Louis.....	821,543	3	17	10	0	0	6	2	0
North Dakota:									
Fargo.....	26,403	0	0	0	0	0	3	2	0
Grand Forks.....	14,811	0	0	0	0	0	3	0	0
South Dakota:									
Aberdeen.....	15,036	0	0	1	0	0	2	0	0
Sioux Falls.....	30,127	0	0	0	0	0	0	0	0
Nebraska:									
Lincoln.....	60,941	0	1	0	0	0	1	0	0
Omaha.....	211,768	1	4	1	0	0	2	0	3
Kansas:									
Topeka.....	55,411	0	0	2	0	0	0	0	0
Wichita.....	88,367	0	1	0	0	0	0	0	0

¹ No estimate made.

City reports for week ended August 7, 1926—Continued

Division, State, and city	Population July 1, 1925, 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			
SOUTH ATLANTIC									
Delaware:									
Wilmington.....	122,049	0	1	3	0	0	0	0	2
Maryland:									
Baltimore.....	796,296	9	11	3	0	0	4	4	11
Cumberland.....	33,741	0	0	0	0	0	0	0	1
Frederick.....	12,035	0	0	0	0	0	0	0	0
District of Columbia:									
Washington.....	497,906	4	4	6	0	0	1	0	8
Virginia:									
Lynchburg.....	30,393	2	0	2	0	0	1	0	0
Norfolk.....	(1)	0	0	0	0	0	0	0	0
Richmond.....	186,403	0	3	3	0	1	14	1	5
Roanoke.....	58,208	1	1	0	0	0	0	0	0
West Virginia:									
Charleston.....	49,019	0	0	1	1	1	0	0	0
Huntington.....	63,485	0	0	0	0	0	0	0	0
Wheeling.....	56,208	0	1	1	0	0	0	0	0
North Carolina:									
Raleigh.....	30,371	0	0	1	0	0	1	0	0
Wilmington.....	37,061	0	0	0	0	0	0	0	0
Winston-Salem.....	69,031	0	1	2	0	0	1	0	1
South Carolina:									
Charleston.....	73,125	0	0	0	11	0	0	1	0
Columbia.....	41,225	0	0	0	0	0	0	0	0
Greenville.....	27,311	0	0	0	0	0	0	0	0
Georgia:									
Atlanta.....	(1)	0	2	0	2	0	0	0	4
Brunswick.....	16,899	0	0	0	0	0	0	0	0
Savannah.....	93,134	0	0	1	0	0	0	0	3
Florida:									
Miami.....	69,754	0	0	6	0	0	1	0	0
St. Petersburg.....	26,847	0	0	0	0	0	0	0	0
Tampa.....	94,743	0	0	0	0	0	2	0	0
EAST SOUTH CENTRAL									
Kentucky:									
Covington.....	58,309	0	1	0	0	0	0	0	0
Louisville.....	305,985	5	2	0	1	0	1	0	2
Tennessee:									
Memphis.....	174,533	4	2	1	0	0	2	0	4
Nashville.....	136,220	1	0	0	0	0	0	0	2
Alabama:									
Birmingham.....	205,670	0	2	1	0	0	5	0	2
Mobile.....	65,965	0	0	0	0	0	0	0	0
Montgomery.....	46,481	0	1	0	1	0	0	0	0
WEST SOUTH CENTRAL									
Arkansas:									
Fort Smith.....	31,643	0	1	0	0	0	0	0	0
Little Rock.....	74,216	0	0	0	0	0	0	1	1
Louisiana:									
New Orleans.....	414,493	0	5	4	1	1	1	0	10
Shreveport.....	57,857	0	1	0	0	0	0	0	1
Oklahoma:									
Oklahoma City.....	(1)	0	1	1	0	0	1	0	2
Texas:									
Dallas.....	194,450	0	3	1	0	0	0	0	2
Galveston.....	48,375	0	0	0	0	0	0	0	4
Houston.....	164,964	0	1	0	0	0	0	0	0
San Antonio.....	198,069	0	0	2	0	0	1	0	0
MOUNTAIN									
Montana:									
Billings.....	17,971	0	0	0	0	0	0	0	0
Great Falls.....	29,883	0	1	0	0	0	0	0	0
Helena.....	12,037	0	1	0	0	0	0	0	0
Missoula.....	12,668	0	0	0	0	0	0	0	0
Idaho:									
Boise.....	23,042	0	1	1	0	0	0	0	0

1 No estimate made.

City reports for week ended August 7, 1926—Continued

Division, State, and city	Population July 1, 1925, 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			
MOUNTAIN—continued									
Colorado:									
Denver.....	286,911	1	9	10	1	13	0	6	
Pueblo.....	43,787	0	1	0	0	0	0	0	
New Mexico:									
Albuquerque.....	21,060	0	0	1	0	0	0	2	
Arizona:									
Phoenix.....	38,669	0	0	0	0	0	0	0	
Utah:									
Salt Lake City.....	130,948	2	2	2	0	2	2	1	
Nevada:									
Reno.....	12,665	0	0	0	0	0	0	0	
PACIFIC									
Washington:									
Seattle.....	(1)	4	4	0	0	9	4		
Spokane.....	108,897	4	1	5	0	8	0		
Tacoma.....	104,455	0	2	4	0	0	0	1	
Oregon:									
Portland.....	282,383	0	4	7	0	2	1	2	
California:									
Los Angeles.....	(1)	3	25	23	3	1	4	10	
Sacramento.....	72,260	1	2	1	0	0	2	1	
San Francisco.....	557,530	4	12	5	3	2	3	4	

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	2	1	0	0	7	12
New Hampshire:											
Concord.....	1	0	0	0	0	1	0	0	0	3	11
Manchester.....	0	0	0	0	0	2	0	0	0	0	16
Vermont:											
Barre.....	0	0	0	0	0	1	0	0	0	0	2
Massachusetts:											
Boston.....	13	26	0	0	0	16	3	3	0	40	150
Fall River.....	1	3	0	0	0	2	2	0	0	5	35
Springfield.....	1	1	0	0	0	4	0	0	0	3	34
Worcester.....	2	5	0	0	0	1	0	0	0	1	30
Rhode Island:											
Pawtucket.....	0	1	0	0	0	0	0	0	0	0	12
Providence.....	2	0	0	0	0	2	1	1	0	7	40
Connecticut:											
Bridgeport.....	2	5	0	0	0	1	0	1	0	0	23
Hartford:											
Hartford.....	1	3	0	0	0	4	2	0	1	3	39
New Haven.....	1	0	0	0	0	2	3	0	0	1	26
MIDDLE ATLANTIC											
New York:											
Buffalo.....	5	2	0	0	0	5	2	0	0	30	112
New York.....	30	38	0	2	0	180	34	31	2	83	1,121
Rochester.....	4	0	0	0	0	3	1	0	0	3	63
Syracuse.....	3	2	0	0	0	1	0	0	0	13	36
New Jersey:											
Camden.....	0	3	0	0	0	0	2	1	0	2	28
Newark.....	4	10	0	1	0	9	2	0	0	27	91
Trenton.....	0	0	0	0	0	2	1	0	0	0	19
Pennsylvania:											
Philadelphia.....	18	20	0	0	0	38	11	6	1	58	390
Pittsburgh.....	9	2	0	0	0	7	3	0	0	66	148
Reading.....	0	0	0	0	0	0	1	0	0	13	23

¹ No estimate made.

² Pulmonary tuberculosis only.

City reports for week ended August 7, 1920—Continued

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		
EAST NORTH CENTRAL											
Ohio:											
Cincinnati.....	2	9	1	0	0	15	2	1	1	5	132
Cleveland.....	6	18	2	3	0	9	4	2	2	74	168
Columbus.....	2	2	0	0	0	8	2	2	0	6	68
Toledo.....	4	2	1	0	0	5	2	2	1	66	55
Indiana:											
Fort Wayne.....	0	1	0	0	0	0	1	1	0	0	19
Indianapolis.....	2	1	1	9	0	8	2	0	1	19	89
South Bend.....	1	1	1	0	0	1	0	0	0	2	9
Terre Haute.....	0	0	0	0	0	2	0	1	0	1	26
Illinois:											
Chicago.....	27	28	0	0	0	47	5	6	0	66	585
Peoria.....	0	1	0	0	0	0	0	1	0	6	12
Springfield.....	1	1	0	0	0	0	1	0	0	1	28
Michigan:											
Detroit.....	22	30	3	1	0	11	5	3	0	91	243
Flint.....	3	6	1	0	0	0	1	0	0	6	20
Grand Rapids.....	2	10	0	0	0	1	1	1	0	3	23
Wisconsin:											
Kenosha.....	0	1	1	0	0	0	0	0	0	16	4
Madison.....	1	0	0	0	0	0	0	0	0	0	0
Milwaukee.....	7	5	1	0	0	8	1	0	0	85	87
Racine.....	1	0	1	0	0	0	0	0	0	9	0
Superior.....	1	3	1	0	0	0	0	0	0	0	4
WEST NORTH CENTRAL											
Minnesota:											
Duluth.....	3	7	1	0	0	1	1	0	0	0	23
Minneapolis.....	9	13	2	0	0	2	1	0	0	1	81
St. Paul.....	5	13	2	1	0	1	2	0	1	25	46
Iowa:											
Sioux City.....	0	2	0	1	0	0	0	0	0	0	0
Waterloo.....	0	0	0	0	0	0	0	2	0	1	0
Missouri:											
Kansas City.....	2	2	1	0	0	9	2	3	0	6	85
St. Joseph.....	0	0	0	0	0	0	1	0	0	0	15
St. Louis.....	6	6	1	4	0	13	6	2	0	33	150
North Dakota:											
Fargo.....	0	2	0	0	0	0	0	0	0	0	7
Grand Forks.....	0	3	0	0	0	0	0	0	0	0	0
South Dakota:											
Aberdeen.....	0	0	0	0	0	0	0	0	0	2	0
Sioux Falls.....	0	0	0	0	0	0	0	0	0	0	0
Nebraska:											
Lincoln.....	0	2	0	0	0	0	0	0	0	0	11
Omaha.....	1	3	2	0	0	1	0	0	0	0	48
Kansas:											
Topeka.....	1	0	0	0	0	1	0	2	0	15	9
Wichita.....	1	2	0	1	0	0	2	0	0	7	20
SOUTH ATLANTIC											
Delaware:											
Wilmington.....	0	2	0	0	0	1	1	0	0	3	18
Maryland:											
Baltimore.....	5	5	1	0	0	14	9	9	0	70	206
Cumberland.....	0	0	0	0	0	0	0	0	0	0	6
Frederick.....	0	0	0	0	0	0	0	0	0	0	2
District of Col.:											
Washington.....	3	8	0	0	0	18	5	4	0	22	125
Virginia:											
Lynchburg.....	0	1	0	0	0	0	1	1	0	11	15
Norfolk.....	0	0	0	0	0	0	3	0	0	0	0
Richmond.....	2	1	0	0	0	1	3	0	0	2	49
Roanoke.....	1	1	0	2	0	2	2	0	0	0	17
West Virginia:											
Charleston.....	1	0	1	0	0	0	1	0	0	0	16
Huntington.....	0	0	0	0	0	1	1	0	0	0	13
Wheeling.....	1	0	0	0	0	1	1	2	0	3	12
North Carolina:											
Raleigh.....	0	0	0	0	0	1	1	1	0	10	0
Wilmington.....	0	0	0	0	0	1	0	0	0	9	7
Winston-Salem.....	1	0	0	0	0	1	3	1	0	9	25

City reports for week ended August 7, 1926—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, estimated expectancy	Cases reported	Cases estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
SOUTH ATLANTIC—continued											
South Carolina:											
Charleston.....	1	0	0	0	0	0	3	10	0	0	19
Columbia.....	0	0	1	0	0	0	1	2	0	3	
Greenville.....	0	0	0	1	0	0	2	1	0	5	16
Georgia:											
Atlanta.....	1	0	2	0	0	7	3	2	1	2	65
Brunswick.....	0	0	0	0	0	0	0	0	0	0	0
Savannah.....	0	0	0	1	0	3	2	0	0	0	30
Florida:											
Miami.....		1		0	0	0		2	0	3	30
St. Petersburg.....	0		0		0	0	0		0		
Tampa.....	0	2	0	0	0	0	0	2	0	0	
EAST SOUTH CENTRAL											
Kentucky:											
Covington.....	1	0	0	0	0	0	0	2	0	0	
Louisville.....	0	1	0	0	0	5	6	5	1	4	68
Tennessee:											
Memphis.....	0	3	0	3	0	3	6	10	1	9	66
Nashville.....	0	0	1	0	0	2	7	8	2	6	35
Alabama:											
Birmingham.....	2	2	1	0	0	2	6	6	2	5	59
Mobile.....	1	0	0	0	0	1	1	0	0	0	10
Montgomery.....	0	0	0	0	0	0	2	3	0	0	9
WEST SOUTH CENTRAL											
Arkansas:											
Fort Smith.....	1	0	0	0			1	0		2	
Little Rock.....	0	1	0	0	0	1	3	1	1	0	
Louisiana:											
New Orleans.....	1	2	0	0	0	13	5	4	1	5	141
Shreveport.....	0	0	1	0	0	2	3	0	1	0	30
Oklahoma:											
Oklahoma City.....	0	0	1	0	0	1	2	4	0	0	21
Texas:											
Dallas.....	2	0	1	3	0	1	4	1	0	5	47
Galveston.....	0	0	0	0	0	3	1	0	0	0	22
Houston.....	1		0				1				
San Antonio.....	0	0	1	0	0	12	1	4	0	0	55
MOUNTAIN											
Montana:											
Billings.....	0	0	0	0	0	0	0	0	0	0	2
Great Falls.....	0	1	1	0	0	0	1	0	0	1	9
Helena.....	0		0				0				
Missoula.....	0	1	0	0	0	0	1	0	0	0	3
Idaho:											
Boise.....	0	1	0	0	0	0	0	0	0	0	3
Colorado:											
Denver.....	3	4	2	1	0	7	2	0	1	5	60
Pueblo.....	0	0	0	0	0	0	0	0	0	0	12
New Mexico:											
Albuquerque.....	0	1	0	0	0	5	0	1	0	4	13
Arizona:											
Phoenix.....		0	0	0	0	5	0	0	0	0	17
Utah:											
Salt Lake City.....	2	0	1	0	0	0	1	3	0	17	28
Nevada:											
Reno.....	0	0	0	0	0	0	0	0	0	0	3
PACIFIC											
Washington:											
Seattle.....	2	5	2	0			1	0		6	
Spokane.....	2	6	2	0			0	1		4	
Tacoma.....	1	2	0	5	0	1	1	1	0	1	27
Oregon:											
Portland.....	3	5	5	8	0	0	0	0	0	0	66
California:											
Los Angeles.....	6	12	3	4	1	30	5	3	0	4	214
Sacramento.....	1	2	0	0	0	2	1	1	1	2	28
San Francisco.....	4	4	1	0	0	6	2	5	0	4	116

City reports for week ended August 7, 1926—Continued

Division, State, and city	Cerebrospinal meningitis		Lethargic encephalitis		Pellagra		Poliomyelitis (infantile paralysis)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, estimated expectancy	Cases	Deaths
NEW ENGLAND									
New Hampshire:									
Manchester.....	0	1	0	0	0	0	0	0	0
Massachusetts:									
Boston.....	1	0	1	0	0	0	1	2	0
Springfield.....	0	0	0	0	0	0	0	2	0
Worcester.....	0	0	0	0	0	0	0	2	0
Rhode Island:									
Providence.....	1	0	0	0	0	0	0	0	0
MIDDLE ATLANTIC									
New York:									
Buffalo.....	1	0	0	0	0	0	0	5	1
New York.....	6	5	8	9	0	0	6	4	1
Syracuse.....	0	0	0	0	0	0	0	4	0
New Jersey:									
Trenton.....	0	0	0	1	0	0	0	0	0
Pennsylvania:									
Philadelphia.....	1	1	0	1	0	0	0	0	0
EAST NORTH CENTRAL									
Ohio:									
Columbus.....	0	0	0	1	0	0	0	0	0
Illinois:									
Chicago.....	1	0	1	0	1	1	3	0	0
Michigan:									
Detroit.....	0	0	0	1	0	0	0	1	0
Wisconsin:									
Milwaukee.....	0	0	0	0	0	0	1	1	0
WEST NORTH CENTRAL									
Missouri:									
St. Louis.....	0	0	0	0	0	0	1	1	0
SOUTH ATLANTIC									
Maryland:									
Baltimore.....	0	0	1	2	0	0	1	0	0
North Carolina:									
Raleigh.....	0	0	0	0	0	1	0	0	0
Wilmington.....	0	0	0	0	0	0	0	1	0
Winston-Salem.....	0	0	0	0	2	2	0	0	0
South Carolina:									
Charleston.....	0	0	0	0	7	1	0	0	0
Georgia:									
Atlanta.....	1	0	0	0	1	1	0	0	0
Savannah.....	0	0	0	0	0	0	0	1	1
EAST SOUTH CENTRAL									
Kentucky:									
Louisville.....	1	1	0	0	0	0	0	0	0
Tennessee:									
Memphis.....	1	0	0	0	0	1	0	1	0
Alabama:									
Birmingham.....	0	0	0	0	0	2	1	0	0
WEST SOUTH CENTRAL									
Arkansas:									
Little Rock.....	0	0	0	0	0	1	0	0	0
Louisiana:									
New Orleans.....	0	0	0	0	2	1	0	0	0
Shreveport.....	0	0	0	0	0	1	0	0	0
Texas:									
Dallas.....	0	0	0	0	0	1	0	0	0
MOUNTAIN									
Idaho:									
Boise.....	1	1	0	0	0	0	0	0	0
Utah:									
Salt Lake City.....	0	1	0	0	0	0	0	0	0
PACIFIC									
California:									
Los Angeles.....	0	1	0	0	1	2	0	2	0
Sacramento.....	0	0	0	0	0	1	0	0	0

The following table gives the rates per 100,000 population for 102 cities for the five-week period ended August 7, 1926, compared with those for a like period ended August 8, 1925. The population figures used in computing the rates are approximate estimates as of July 1, 1925 and 1926, respectively, authoritative figures for many of the cities not being available. The 102 cities reporting cases had an estimated aggregate population of nearly 30,000,000 in 1925 and nearly 30,500,000 in 1926. The 96 cities reporting deaths had more than 29,250,000 estimated population in 1925 and more than 29,750,000 in 1926. The number of cities included in each group and the estimated aggregate populations are shown in a separate table below.

Summary of weekly reports from cities, July 4 to August 7, 1926—Annual rates per 100,000 population—Compared with rates for the corresponding period of 1925¹

DIPHTHERIA CASE RATES

	Week ended—									
	July 11, 1925	July 10, 1926	July 18, 1925	July 17, 1926	July 25, 1925	July 24, 1926	Aug. 1, 1925	July 31, 1926	Aug. 8, 1925	Aug. 7, 1926
102 cities.....	93	² 102	76	² 94	75	² 90	² 75	² 80	² 83	² 79
New England.....	60	57	60	78	60	33	60	40	79	40
Middle Atlantic.....	126	120	96	101	90	109	92	103	83	88
East North Central.....	83	106	68	109	63	99	69	83	94	⁶ 105
West North Central.....	91	² 93	83	² 107	103	² 95	97	² 85	⁷ 105	² 52
South Atlantic.....	52	66	50	32	42	34	² 48	21	52	² 46
East South Central.....	21	5	11	21	11	10	11	21	26	10
West South Central.....	35	43	26	26	66	39	40	39	22	⁹ 35
Mountain.....	102	118	120	109	111	64	143	91	¹⁰ 66	¹⁰ 121
Pacific.....	119	181	94	159	99	175	64	119	341	102

MEASLES CASE RATES

102 cities.....	186	² 303	153	² 215	101	² 155	² 70	² 103	² 51	² 67
New England.....	273	246	252	180	208	109	180	83	127	83
Middle Atlantic.....	248	211	198	129	127	108	77	63	69	42
East North Central.....	210	448	178	365	111	243	68	171	44	⁶ 96
West North Central.....	34	² 417	28	² 191	18	² 183	30	² 93	⁷ 10	² 58
South Atlantic.....	200	293	140	203	90	128	² 68	115	42	² 50
East South Central.....	110	285	74	171	58	125	26	93	11	42
West South Central.....	0	47	0	17	4	13	0	9	0	⁹ 10
Mountain.....	59	264	28	191	37	173	102	127	¹⁰ 19	¹⁰ 139
Pacific.....	35	337	61	329	19	213	33	121	28	121

SCARLET FEVER CASE RATES

102 cities.....	87	² 127	58	² 93	55	² 83	² 54	² 73	² 51	² 61
New England.....	141	158	77	99	69	85	72	118	96	104
Middle Atlantic.....	81	129	45	73	42	75	37	52	33	38
East North Central.....	91	145	63	118	63	93	60	85	48	⁶ 79
West North Central.....	139	² 205	105	² 185	115	² 127	121	² 143	⁷ 117	² 101
South Atlantic.....	42	64	44	45	15	36	² 34	34	21	² 40
East South Central.....	116	52	74	52	26	93	58	62	58	31
West South Central.....	9	34	22	52	31	82	26	39	53	⁹ 15
Mountain.....	148	55	83	91	157	64	83	36	¹⁰ 38	¹⁰ 65
Pacific.....	50	121	58	94	44	92	47	86	61	84

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, 1925 and 1926, respectively.

² Sioux Falls, S. Dak., not included.

³ Tampa, Fla., not included.

⁴ Waterloo, Iowa, and Helena, Mont., not included.

⁵ Madison, Wis., Sioux Falls, S. Dak., Norfolk, Va., Houston, Tex., and Helena, Mont., not included.

⁶ Madison, Wis., not included.

⁷ Waterloo, Iowa, not included.

⁸ Norfolk, Va., not included.

⁹ Houston, Tex., not included.

¹⁰ Helena, Mont., not included.

Summary of weekly reports from cities, July 4 to August 7, 1926—Annual rates per 100,000 population—Compared with rates for the corresponding period of 1925—Continued

SMALLPOX CASE RATES

	Week ended—									
	July 11, 1925	July 10, 1926	July 18, 1925	July 17, 1926	July 25, 1925	July 24, 1926	Aug. 1, 1925	July 31, 1926	Aug. 8, 1925	Aug. 7, 1926
102 cities.....	16	17	14	17	10	16	19	15	19	17
New England.....	2	0	2	0	5	0	0	0	0	0
Middle Atlantic.....	0	0	1	1	0	0	0	1	0	1
East North Central.....	11	7	9	6	8	8	3	6	6	9
West North Central.....	20	28	16	26	12	14	14	14	18	14
South Atlantic.....	23	9	8	6	15	6	12	2	2	8
East South Central.....	74	0	42	5	37	10	21	5	47	16
West South Central.....	4	4	13	13	4	13	4	4	13	15
Mountain.....	18	9	18	9	0	27	55	9	10	19
Pacific.....	97	24	113	22	64	8	80	32	64	24

TYPHOID FEVER CASE RATES

102 cities.....	33	13	36	22	33	18	40	30	40	28
	New England.....	24	9	31	12	22	9	22	14	26
Middle Atlantic.....	17	7	25	11	21	9	30	23	23	19
East North Central.....	13	5	11	5	8	6	10	10	20	12
West North Central.....	42	16	42	14	38	12	46	22	7	18
South Atlantic.....	56	43	52	58	50	47	64	54	56	70
East South Central.....	163	52	205	106	163	135	168	259	252	182
West South Central.....	159	30	128	56	163	30	154	47	123	50
Mountain.....	28	0	18	0	46	46	55	36	10	28
Pacific.....	17	13	30	22	28	8	44	11	17	30

INFLUENZA DEATH RATES

96 cities.....	2	4	2	4	2	3	1	2	10	2	5	2
	New England.....	0	7	0	0	0	2	0	0	5	0	
Middle Atlantic.....	2	1	2	4	3	2	1	1	2	2		
East North Central.....	2	7	3	4	1	4	0	1	3		6	1
West North Central.....	0	0	0	0	4	2	0	0	0		0	0
South Atlantic.....	0	0	4	6	4	4	1	2	2		6	4
East South Central.....	16	16	0	21	5	5	0	5	5		0	0
West South Central.....	10	5	10	9	0	9	0	24	5		6	6
Mountain.....	0	0	0	9	9	9	0	0	10		0	9
Pacific.....	0	4	4	4	0	4	0	4	0			11

PNEUMONIA DEATH RATES

96 cities.....	59	67	54	60	48	54	59	48	10	52	54
	New England.....	43	54	48	57	50	33	53	33	36	
Middle Atlantic.....	64	73	62	74	51	64	65	41	65		56
East North Central.....	55	65	44	46	37	46	48	48	36		42
West North Central.....	38	53	53	36	40	40	40	57	51		51
South Atlantic.....	65	71	48	54	52	58	60	51	50		70
East South Central.....	84	119	68	109	58	99	68	62	63		52
West South Central.....	58	57	73	85	63	57	116	76	68		101
Mountain.....	74	36	83	36	55	64	74	55	10	28	65
Pacific.....	65	53	40	46	58	35	62	71	69		57

¹ Sioux Falls, S. Dak., not included.

² Tampa, Fla., not included.

³ Waterloo, Iowa, and Helena, Mont., not included.

⁴ Madison, Wis., Sioux Falls, S. Dak., Norfolk, Va., Houston, Tex., and Helena, Mont., not included.

⁵ Madison, Wis., not included.

⁶ Waterloo, Iowa, not included.

⁷ Norfolk, Va., not included.

⁸ Houston, Tex., not included.

⁹ Helena, Mont., not included.

Number of cities included in summary of weekly reports, and aggregate population of cities in each group, approximated as of July 1, 1925 and 1926, respectively

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	
			1925	1926	1925	1926
Total.....	102	96	29,930,185	30,458,186	29,251,658	29,764,201
New England.....	12	12	2,176,124	2,206,124	2,176,124	2,206,124
Middle Atlantic.....	10	10	10,346,970	10,476,970	10,346,970	10,476,970
East North Central.....	16	16	7,481,655	7,655,436	7,481,656	7,655,436
West North Central.....	13	11	2,580,151	2,619,719	2,461,380	2,499,036
South Atlantic.....	21	21	2,716,070	2,776,070	2,716,070	2,776,070
East South Central.....	7	7	993,103	1,004,953	993,103	1,004,953
West South Central.....	8	6	1,184,057	1,212,057	1,078,198	1,103,695
Mountain.....	9	9	563,912	572,773	563,912	572,773
Pacific.....	6	4	1,888,142	1,934,084	1,434,245	1,469,144

FOREIGN AND INSULAR

THE FAR EAST

Report for week ended July 24, 1926.—The following report for the week ended July 24, 1926, was transmitted by the Far Eastern Bureau of the Health Section of the League of Nations' Secretariat, located at Singapore, to the headquarters at Geneva:

Maritime towns	Plague		Cholera		Small-pox		Maritime towns	Plague		Cholera		Small-pox	
	Cases	Deaths	Cases	Deaths	Cases	Deaths		Cases	Deaths	Cases	Deaths	Cases	Deaths
Egypt—Alexandria.....	0	0	0	0	3	0	Siam—Bangkok.....	1	1	10	4	6	5
British India:							French Indo-China—						
Bombay.....		1		1	16	4	Saigon and Cholon.....	0	1	0	3	0	0
Madras.....		0		0	4	3	China:						
Rangoon.....		3		1	1	0	Amoy.....	6		0	0	0	0
Negapatam.....		0		1	0	0	Shanghai.....	0	0	29	32		1
Karachi.....		0		0	2	0	Hong-Kong.....	0	0	0	0	1	0
Vizagapatam.....		0		1	0	0	Kwantung—Dairen.....	0	0	0	0	1	1
Dutch East Indies—							U. S. S. R.—Vladivos-						
Surabaya.....	0	0	0	0	1	0	tok.....	0	0	0	0	6	0

Telegraphic reports from the following maritime towns indicated that no case of plague, cholera, or smallpox was reported during the week:

ASIA

- Iraq.*—Basra.
- British India.*—Chittagong, Cochin, Tuticorin.
- Ceylon.*—Colombo.
- Federated Malay States.*—Port Swettenham.
- Straits Settlements.*—Penang, Singapore.
- Dutch East Indies.*—Batavia, Samarang, Cheribon, Belawan-Deli, Palembang, Sabang, Makassar, Menado, Banjarmasin, Balikpapan, Tarakan, Padang, Samarinda, Pontianak.
- Sarawak.*—Kuching.
- British North Borneo.*—Sandakan, Jesselton, Kudat, Tawao.
- Portuguese Timor.*—Dilly.
- Philippine Islands.*—Manila, Iloilo, Jolo, Cebu, Zamboanga.
- French Indo-China.*—Turane, Haiphong.
- Formosa.*—Keelung.
- Kwantung.*—Port Arthur.
- Japan.*—Osaka, Nagasaki, Yokohama, Moji, Kobe, Niigata, Tsuruga, Hakodate, Simonoseki.
- Korea.*—Chemulpo, Fusan.
- Manchuria.*—Antung, Mukden, Changchun, Harbin.

AUSTRALASIA AND OCEANIA

Australia.—Adelaide, Melbourne, Sydney, Brisbane, Rockhampton, Townsville, Port Darwin, Broome, Fremantle, Carnarvon, Thursday Island.

New Guinea.—Port Moresby.

New Zealand.—Auckland, Wellington, Christchurch, Invercargill, Dunedin.

New Caledonia.—Noumea.

Fiji.—Suva.

Hawaii.—Honolulu.

AFRICA

Egypt.—Port Said, Suez.

Anglo-Egyptian Sudan.—Port Sudan, Suakin.

Eritrea.—Massaua.

French Somaliland.—Jibuti.

British Somaliland.—Berbera.

Italian Somaliland.—Mogadiscio.

Kenya.—Mombasa.

Zanzibar.—Zanzibar.

Tanganyika.—Dar-es-Salaam.

Seychelles.—Victoria.

Mauritius.—Port Louis.

Portuguese East Africa.—Mozambique, Beira, Lourenço Marques.

Union of South Africa.—Durban, East London, Port Elizabeth, Cape Town.

Reports had not been received in time for distribution from—

British India.—Calcutta.

Madagascar.—Tamatave, Majunga.

CANADA

Communicable diseases—Week ended August 7, 1926.—The Canadian Minister of Health reports cases of certain communicable diseases in seven Provinces of Canada for the week ended August 7, 1926, as follows:

Disease	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	Total
Cerebrospinal fever			3	2				5
Influenza	5							5
Lethargic encephalitis	1							1
Poliomyelitis			1	1				2
Smallpox			2	8		12		14
Typhoid fever		2	3		9			22

ESTHONIA

Communicable diseases—June, 1926.—During the month of June, 1926, communicable diseases were reported in the Republic of Esthonia as follows:

Disease	Cases	Disease	Cases
Diphtheria	18	Scarlet fever	154
Leprosy	2	Smallpox	2
Measles	641	Tuberculosis	162
Paratyphoid fever	5	Typhoid fever	39

FRANCE

Plague—Marseille and vicinity of Paris.—Information has been received under date of August 2, 1926, showing the occurrence of a fatal case of plague in a dock laborer at Marseille, France, July 8, 1926, and of a case, the date of occurrence not stated, at St. Denis, in the vicinity of Paris.

GREAT BRITAIN (SCOTLAND)

Further relative to typhus fever outbreak.—Glasgow.—Information received under date of August 3, 1926, relative to seven cases of typhus fever at Glasgow reported that date,¹ shows that the cases occurred in the same family.

HAWAII TERRITORY

Plague-infected rat—Paauhau—July 24, 1926.—A plague-infected rat was reported trapped at Paauhau, Hawaii Territory, July 24, 1926.

JAPAN

Plague—Plague-infected rats—Yokohama—July 6–21, 1926.—Under date of July 6, 1926, information was received of the occurrence of three fatal cases of plague at Yokohama.² To July 21, 1926, six cases and the finding of four plague-infected rats were reported at Yokohama. The occurrence was stated to have been in the locality of the canals used for landing cargo from lighters.

LATVIA

Communicable diseases—May, 1926.—During the month of May, 1926, communicable diseases were reported in the Republic of Latvia as follows:

Disease	Cases	Disease	Cases
Cerebrospinal meningitis.....	2	Puerperal fever.....	2
Diphtheria.....	35	Rabies.....	1
Dysentery.....	3	Scarlet fever.....	241
Erysipelas.....	35	Tetanus.....	1
Lethargic encephalitis.....	1	Trachoma.....	34
Measles.....	199	Typhoid fever.....	46
Mumps.....	20	Typhus fever.....	7
Paratyphoid fever.....	3	Whooping cough.....	84

Population, estimated, 1,850,000.

UNION OF SOUTH AFRICA

Plague—Cape Province—June 27–July 3, 1926.—During the week ended July 3, 1926, two cases of plague were reported in the Cape Province, Union of South Africa. The occurrence was in the colored or native population of the districts of Calvinia and Williston.

¹ Public Health Reports, Aug. 13, 1926, p. 1750.

² Public Health Reports, July 16, 1926, p. 1506.

Investigation of plague conditions in infected area.—Information received under date of July 16, 1926, indicates that plague infection, which had been known to exist among veldt rodents in the Kenhardt District of the Cape Province for about two years, had recently spread south and southwest to the Calvinia and Williston Districts, extending south to a point half way between these districts and west as far as Nieuwoudtville. On June 11, 1926, a suspect case of plague in man and suspicious mortality among rodents in this area were noted. From that date to the present one case, fatal, in a European, and nine cases, with three deaths, in the colored population, have been reported. The area in which the cases occurred was stated to be heavily infested with Namaqua gerbilles (the rodent jerboa) and hares, these animals being also heavily infested with fleas. In three of the human cases reported the patients were stated to have handled or eaten dead hares. The cases were bubonic in type.

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

Reports Received During the Week Ended August 27, 1926¹

CHOLERA

Place	Date	Cases	Deaths	Remarks
French Settlements in India.				May 8-15, 1926: 1 case. June 6-19, 1926: Cases, 3,324; deaths, 2,173.
India.....				
Indo-China (French):				
Saigon.....	June 13-26.....	14	6	
Do.....	June 27-July 3.....	19	14	
Siam:				
Bangkok.....	June 20-26.....	56	26	
Do.....	June 27-July 3.....	36	14	

PLAGUE

France:				
Marseille.....	July 8.....	1	1	Reported July 24, 1926.
St. Denis.....	Reported Aug. 2.....	1		Vicinity of Paris.
Hawaii:				
Paauhau.....				July 18-24, 1926: Plague-infected rat trapped.
India.....				July 6-19, 1926: Cases, 2,898; deaths, 2,406.
Madras Presidency.....	June 20-26.....	29	13	
Indo-China (French):				
Saigon.....	June 13-26.....	5	2	
Japan:				
Yokohama.....	July 2-21.....	6		Four plague-infected rats found.
Madagascar:				
Tananarive Province.....	June 1-15.....	23	20	Bubonic, cases, 5; deaths, 4; pneumonic, cases, 16; deaths, 14; septicemic, cases, 2; deaths, 2.
Nigeria.....				Apr. 1-30, 1926: Cases, 34; deaths, 30.
Russia.....				Mar. 1-31, 1926: Cases, 5.
Siam:				
Bangkok.....	June 20-26.....	1	1	
Syria:				
Beirut.....	July 1-10.....	1		
Tunisia.....				June 1-20, 1926: Cases, 80.
Union of South Africa:				
Cape Province—				
Calvinia district.....	June 27-July 3.....	1		Farm. Infection in veldt rodents.
Williston district.....	Do.....	1		Do.

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 August 27, 1926—Continued

SMALLPOX

Place	Date	Cases	Deaths	Remarks
Canada:				
Ontario.....	Aug. 1-7.....	2		
Saskatchewan.....	do.....	12		
Ceylon.....				Mar. 14-May 29, 1926: Cases, 44; deaths, 3.
China:				
Amoy.....	July 4-10.....	1		
Antung.....	July 12-18.....	1		
Canton.....	May 1-31.....	4	2	
Chungking.....	July 4-10.....			Present.
Manchuria—				
Harbin.....	July 1-7.....	2		
Manchurian Ry.....	July 11-17.....	4		
Swatow.....	July 4-10.....			At 4 stations.
Chosen.....				Sporadic.
Estonia.....				April, 1926: Cases, 168; deaths, 43.
French Settlement in India.....	May 9-15.....	27	27	June 1-30, 1926: Cases, 2.
Gold Coast.....	Apr. 1-30.....	25	1	
Great Britain:				
England and Wales.....				July 25-31, 1926: Cases, 66.
India.....				June 6-19, 1926: Cases, 10,013; deaths, 2,925.
Indo-China (French):				
Saigon.....	June 20-26.....	1		
Iraq:				
Baghdad.....	July 4-10.....	1	1	
Italy.....	May 16-June 5.....	8		
Japan.....	May 2-29.....	422		
Mexico:				
Guadalajara.....	Aug. 3-9.....		1	
San Luis Potosi.....	Aug. 1-7.....		1	
Nigeria.....				Apr. 1-30, 1926: Cases, 134; deaths, 21.
Portugal:				
Oporto.....	July 18-24.....	1		
Russia.....				Mar. 1-31, 1926: Cases, 700.
Tunisia.....				June 1-30, 1926: Cases, 5.
Union of South Africa:				
Orange Free State.....	June 27-July 3.....			Outbreaks.

TYPHUS FEVER

China:				
Antung.....	July 5-18.....	10	1	
Canton.....	May 1-31.....	1		
Chosen.....				Apr. 1-30, 1926: Cases, 194; deaths, 19.
Chemulpo.....	June 1-30.....	10	1	
Gensan.....	do.....	1		
Seoul.....	do.....	8	3	
Czechoslovakia.....				May 1-31, 1926: Cases, 6.
Great Britain (Scotland):				
Glasgow.....	Reported Aug. 3.....	7		Occurring in same family group.
Japan.....				May 2-29, 1926: Cases, 13.
Latvia.....	May 1-31.....	7		
Lithuania.....				May 1-31, 1926: Cases, 66; deaths, 8.
Morocco.....				May 1-31, 1926: Cases, 115.
Poland.....				May 23-June 5, 1926: Cases, 216; deaths, 8.
Rumania.....				Apr. 1-10, 1926: Cases, 354; deaths, 49.
Russia.....				Mar. 1-31, 1926: Cases, 4,944.
Tunisia.....				June 1-30, 1926: Cases, 16.
Union of South Africa:				
Cape Province.....	June 27-July 3.....			Outbreaks.

YELLOW FEVER

Brazil:				
Bahia.....	June 20-26.....	2	1	
Gold Coast.....	Apr. 1-10.....	3	1	

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

Reports Received from June 26 to August 20, 1926¹

CHOLERA

Place	Date	Cases	Deaths	Remarks
Ceylon.....				Apr. 18-May 1, 1926: Cases, 36; deaths, 24.
China:				
Shanghai.....	Reported July 20..	35	8	
French Settlements in India.....				Mar. 7-May 8, 1926: Cases, 18; deaths, 18.
India.....				Apr. 25-June 5, 1926: Cases, 13, 990; deaths, 8,580.
Bombay.....	May 30-June 5.....	1	1	
Calcutta.....	Apr. 4-May 29.....	478	418	
Do.....	June 13-26.....	73	69	
Do.....	June 27-July 3.....	48	46	
Madras.....	May 16-June 5.....	2	1	
Rangoon.....	May 9-June 26.....	67	44	
Do.....	June 27-July 3.....	9	6	
Indo-China:				
Saigon.....	May 2-15.....	52	48	
Do.....	May 22-June 12.....	28	26	
Philippine Islands:				
Manila.....	May 18-24.....	2	2	
Do.....	June 27-July 3.....	1		
Provinces—				
Albay.....	Apr. 18-24.....	1	1	
Mindoro.....	Feb. 21-Mar. 6.....	3	3	
Romblon.....	Dec. 14-31.....	42	43	
Do.....	Jan. 2-23.....	16	12	
Siam:				
Bangkok.....	May 2-June 12.....	1,325	736	

PLAGUE

Algeria:				
Algiers.....	June 21-30.....	1		Under date of July 16, 1926, 2 cases reported.
Azores:				
St. Michaels—				
Arrifes.....	May 9-June 26.....	2		
Livramento.....	May 15-29.....	2	1	
British East Africa:				
Kisumu.....	May 16-22.....	1	1	
Uganda.....	Mar. 1-31.....	35	34	
Ceylon:				
Colombo.....	May 29-June 5.....	1	1	
Chile:				
Iquique.....	June 20-26.....		1	
China:				
Amoy.....	Apr. 18-June 26.....	40	30	
Do.....	June 27-July 3.....	8		
Foochow.....	June 6-12.....			Several cases. Not epidemic.
Nanking.....	May 9-July 3.....			Prevalent.
Ecuador:				
Guayaquil.....	May 16-June 30.....	6		Rats taken, 30,914; found infected, 31.
Do.....	July 1-15.....			Rats taken, 10,020; found infected, 8.
Egypt.....				Jan. 1-July 8, 1926: Cases, 100.
City—				
Suez.....	May 21-July 1.....	9	5	
Provinces—				
Beni-Suef.....	May 28-June 8.....	8	2	
Gharbieh.....	June 2.....	1	1	
Greece:				
Athens.....	Apr. 1-May 31.....	16	4	Including Piræus.
Patras.....	May 27-June 12.....	4	1	
Zante.....	May 17.....	1		
India.....				Apr. 25-June 5, 1926: Cases, 49,639; deaths, 28,833.
Bombay.....	May 2-June 26.....	16	15	
Karachi.....	May 23-June 26.....	15	13	
Madras Presidency.....	Apr. 25-June 19.....	133	80	
Rangoon.....	May 9-June 26.....	20	15	
Do.....	June 27-July 3.....	2	3	
Indo-China:				
Saigon.....	May 23-June 5.....	3	1	

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 26 to August 20, 1926—Continued

PLAGUE—Continued

Place	Date	Cases	Deaths	Remarks
Iraq:				
Baghdad	Apr. 18-June 12	161	108	
Japan:				
Yokohama	July 2-3	3	3	
Java:				
Batavia	Apr. 24-June 19	65	65	Province.
Do	June 26-July 2	12	11	
Cheribon	Apr. 11-24	3	3	
East Java and Madoera	June 13-19	1	1	
Madagascar:				
Ambositra Province	May 1-15	4	4	Septicemic.
Moramanga Province	Apr. 1-15	2	2	Do.
Tananarive Province				Apr. 1-May 31, 1926: Cases, 96;
Tamatave (Port)	May 16-31	1	1	deaths, 93.
Tananarive Town	Apr. 1-May 15	6	6	
Other localities	do.	80	77	Bubonic, pneumonic, septicemic.
Nigeria				Feb. 1-Mar. 31, 1926: Cases, 81;
Peru				deaths, 62.
Departments—				May-June, 1926: Cases, 57;
Ancash	May 1-31			deaths, 16.
Cajamarca	May 1-June 30	10	4	Present.
Ica	May 1-31	1		
Libertad	do.	4		Pacasmayo, cases, 2; Trujillo
Lima	May 1-June 30	29	12	district, cases, 2.
Piura	June 1-30	13		In Huancabamba district.
Russia				Jan. 1-Mar. 31, 1926: Cases, 37.
Senegal				Nov. 1-30, 1926: Cases, 3; deaths,
Siam:				2. Mar. 1-Apr. 30, 1926: Cases,
Bangkok	May 23-29	1	1	15; deaths, 4.
Straits Settlements:				
Singapore	May 2-8	1	1	
Tunisia:				
Kairouan	May 11-31	70		
do.	June 9	3		9 cases 30 miles south of Kairouan.
Union of South Africa:				
Cape Province	May 16-22	5	3	
Calvinia District	June 13-26	12	6	
Williston District	do.	2		
Orange Free State—				
Hoopstad District—				
Protestpan	May 9-22	3	3	

SMALLPOX

Algeria:				
Algiers	May 21-June 30	14		
Do	July 1-10	1		
Bolivia:				
La Paz	May 1-June 30	14	7	
Brazil:				
Bahia	June 20-26	1		
Do	June 27-July 3	1		
Manaos	Apr. 1-30		5	
Para	May 16-June 26	26	25	
Do	June 27-July 17	10	6	
Rio de Janeiro	May 2-June 19	132	91	
Santos	Mar. 1-7		1	
British East Africa:				
Tanganyika	May 2-22		12	
Uganda	Mar. 1-31	1		
British South Africa:				
Northern Rhodesia	May 13-24	17	6	Natives.
Do	June 8-14	5		
Canada				May 30-June 12, 1926: Cases, 46.
Alberta	May 30-June 12	3		
Do	June 27-July 1	1		
Manitoba	May 30-June 26	24		
Do	June 27-July 24	7		
Winnipeg	June 6-12	5	1	
Do	July 4-17	6		

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

Reports Received from June 26 to August 20, 1926—Continued

SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks	
Canada—Continued.					
Ontario.					
Port William	July 25-Aug. 7	2		May 30-June 26, 1926: Cases, 36. June 27-July 17: Cases, 41.	
Kingston	May 23-June 26	5			
Do	July 11-17	2	1		
Kitchener	Apr. 26-May 29	3	1		
North Bay	May 2-22	5			
Do	July 25-31	2			
Orillia	Apr. 26-May 29	7			
Ottawa	July 18-24	1			
Packenham	do	10			
Toronto	do	7			
Waterloo	do	6			
Saskatchewan.					
Regina	July 4-10	2			May 30-June 19, 1926: Cases, 16, June 27-July 31: Cases, 24.
Chile:					
Antofagasta	June 6-12	1			
China:					
Amoy	May 1-June 26	4	8		
Antung	May 17-June 19	5			
Do	July 4-10	1			
Chungking	May 2-July 3			Present.	
Foochow	do			Do.	
Hongkong	May 2-June 26	19	10		
Manchuria	July 6-10	6		Railway stations.	
An-shan	May 16-June 12	5		South Manchuria Railway.	
Antung	May 16-June 19	5			
Changchun	May 16-June 26	6			
Do	June 27-July 3	1		Do.	
Dairen	Apr. 26-June 20	69	16	Do.	
Fushun	May 16-June 5	4		Do.	
Harbin	May 14-June 30	21		Do.	
Kai-yuan	May 16-June 30	10		Do.	
Kungchuling	June 13-19	1		Do.	
Liao-yang	May 16-June 30	4		Do.	
Mukden	do	4		Do.	
Penhsihu	May 16-June 19	4		Do.	
Ssuping kai	May 16-June 30	2		Do.	
Teshihchiaio	do	2		Do.	
Wa-feng-tien	do	3		Do.	
Nanking	May 8-July 3			Present.	
Shanghai	May 2-June 26	10	25	Cases: Foreign. Deaths, population of international concession, foreign and native.	
Do	June 27-July 10	1	1		
Swatow	May 9-July 3			Sporadic.	
Tientsin	June 2-26		1	Reported by British municipality.	
Wanshien	May 1			Prevalent.	
Chosen.					
Fusan	May 1-31	1		Mar. 1-31, 1926: Cases, 200; deaths, 42.	
Seishun	do	2	1		
Egypt:					
Alexandria	May 15-July 1	18	3		
Cairo	Jan. 29-Feb. 4	1	1		
Estonia.					
France.					
St. Etienne	Apr. 18-June 15	7	3	May 1-31, 1926: Cases, 1. Mar. 1-Apr. 30, 1926: Cases, 92.	
French Settlements in India	Mar. 7-May 8	178	178		
Gold Coast	Mar. 1-Apr. 30	628	13		
Great Britain:					
England and Wales.					
Bradford	May 23-29	1		May 23-July 3, 1926: Cases, 1,068. July 4-24, 1926: Cases, 376.	
Newcastle-on-Tyne	June 6-12	1			
Do	July 11-17	1			
Nottingham	May 2-June 5	7			
Sheffield	June 13-19	1			
Do	July 4-10	1			
Greece:					
Saloniki	June 1-14		3		
Guatemala:					
Guatemala City	June 1-30		2		

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

Reports Received from June 26 to August 20, 1926—Continued

SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks
India				Apr. 25-June 5, 1926: Cases, 41,055; deaths, 10,793.
Bombay	May 2-June 26	220	134	
Do.	June 27-July 3	12	8	
Calcutta	Apr. 4-May 29	171	162	
Do.	June 13-26	24	18	
Do.	June 27-July 3	5	5	
Karachi	May 16-June 26	44	18	
Do.	June 27-July 10	6	4	
Madras	May 16-June 26	7	4	
Do.	June 27-July 10	2		
Rangoon	May 9-June 26	10	5	
Indo-China:				
Saigon	May 9-15	1		
Iraq:				
Baghdad	May 9-June 26	8	3	
Basra	Apr. 18-June 22	34	25	
Italy				Mar. 28-May 15, 1926: Cases, 18.
Jamaica				Apr. 25-June 26, 1926: Cases, 201. (Reported as alastrim.)
Japan				Apr. 11-May 1, 1926: Cases, 142.
Kobe	May 30-June 5	1		
Nagoya	May 16-22		1	
Do.	July 4-10	1		
Taiwan Island	May 11-20	24		
Do.	June 1-20	23		
Tokyo	June 26-July 3	2		
Yokohama	May 2-8	2		
Java:				
Batavia	May 15-June 25	2		Province.
East Java and Madoera	Apr. 11-June 19	78	5	
Malang	Apr. 4-10	6	1	Interior.
Surabaya	May 16-22	14	1	
Latvia				Apr. 1-30, 1926: Cases, 3.
Mexico				Feb. 1-Mar. 31, 1926: Deaths, 602.
Aguaascalientes	June 13-26		6	
Guadalajara	June 8-14		2	
Do.	June 26-July 19		8	
Mexico City	May 16-June 5	3		Including municipalities in Federal District.
Saltillo	July 18-24		1	
San Antonio de Arenales	Jan. 1-June 30			Present: 100 males from Chihuahua.
San Luis Potosi	June 13-26		7	
Do.	July 4-31		7	
Tampico	June 1-10		2	
Torreón	May 1-June 30		17	
Do.	July 1-31		5	
Nigeria				Feb. 1-Mar. 31, 1926: Cases, 270; deaths, 12.
Peru:				
Arequipa	June 1-30		1	
Poland				Mar. 28-May, 1926: Cases, 12; deaths, 1.
Portugal:				
Lisbon	Apr. 26-June 10	10	2	
Oporto	May 23-June 5	4		
Do.	July 11-17	1		
Russia				Jan. 1-Feb. 28, 1926: Cases, 1,403.
Siam:				
Bangkok	May 2-June 12	23	20	
Straits Settlements:				
Singapore	Apr. 25-May 1	1		
Switzerland:				
Lucerne Canton	June 1-30	1		
Tunisia				Apr. 1-May 31, 1926: Cases, 12.
Union of South Africa:				
Cape Province	June 20-26			Outbreaks.
Idutya district	May 23-29			Do.
Orange Free State	June 20-26			Do.
Natal	May 30-June 5			Do.
Transvaal				June 6-12, 1926: Outbreaks in Pietersburg and Rustenburg Districts.
Johannesburg	May 9-June 12	5		
Yugoslavia				Apr. 15-30, 1926: Cases, 2; deaths, 1.

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

Reports Received from June 26 to August 20, 1926—Continued

SMALLPOX—Continued

Place	Date	Cases	Deaths	Remarks
On vessel.....				Three cases, 1 death, at Aden, Arabia, stated to have been imported by sea. At Zanzibar, June 7, 1926. One case of smallpox landed. At Durban, Union of South Africa, June 16, 1926. One suspect case landed.
S. S. Karapara.....				

TYPHUS FEVER

Algeria:				
Algiers.....	May 21-June 30....	7	1	
Argentina:				
Rosario.....	Feb. 1-28.....	2		
Bolivia:				
La Paz.....	June 1-30.....		1	
Bulgaria.....				Mar. 1-Apr. 30, 1926: Cases, 64; deaths, 12.
Chile:				
Antofagasta.....	May 23-June 26....	4		
Do.....	June 27-July 3....	1		
Valparaiso.....	Apr. 29-May 5....		1	
China:				
Antung.....	June 14-27.....	7	1	
Do.....	June 28-July 4....	4		
Ichang.....			1	Reported May 1, 1926. Occurring among troops.
Wanshien.....				Present among troops, May 1, 1926. Locality in Chungking consular district.
Chosen.....				Feb. 1-Mar. 31, 1926: Cases, 446; deaths, 47.
Chemulpo.....	May 1-31.....	28	1	Jan. 1-Apr. 30, 1926: Cases, 148; deaths, 4.
Czechoslovakia.....				
Egypt:				
Port Said.....	June 4-24.....	4	1	
Cairo.....	Jan. 29-Feb. 18....	8	4	
Great Britain:				
Scotland—				
Glasgow.....		7		Reported Aug. 3, 1926.
Ireland (Irish Free State):				
Cobh (Queenstown).....	May 30-June 5....	1		
Do.....	June 27-July 3....	1	1	
Cork.....	June 5.....	1		
Kerry County—				
Dingle.....	June 27-July 3....	1		
Italy.....				Mar. 28-May 8, 1926: Cases, 3.
Japan.....				Mar. 28-May 1, 1926: Cases, 24.
Lithuania.....				Mar. 1-Apr. 30, 1926: Cases, 106, deaths, 13.
Mexico.....				Feb. 1-Mar. 31, 1926: Deaths, 73.
Durango.....	July 1-31.....		1	
Mexico City.....	May 16-June 5....	20		Including municipalities in Federal District.
Do.....	June 13-19.....	9		Do.
San Luis Potosi.....	June 13-26.....			Present, city and country.
Morocco.....				Mar. 1-Apr. 30, 1926: Cases, 299.
Palestine.....				March, 1926: Cases, 6. Exclusive of Bedouin tribes and the British military forces.
Gaza.....	July 6-12.....	1		
Jaffa District.....	June 15-28.....	5		
Peru:				
Arequipa.....	Jan. 1-31.....		2	
Poland.....				Mar. 28-May 29, 1926: Cases, 1,061; deaths, 76.
Rumania.....				Mar. 1-31, 1926: Cases, 41.
Russia.....				Jan. 1-Feb. 28, 1926: Cases, 9,870.
Tunisia.....				Apr. 1-May 31, 1926: Cases, 94.
Tunis.....	June 11-30.....	3		
Turkey:				
Constantinople.....	June 16-22.....	1		

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

Reports Received from June 26 to August 20, 1926—Continued

TYPHUS FEVER—Continued

Place	Date	Cases	Deaths	Remarks
Union of South Africa.....				Apr. 1-May 31, 1926: Cases, 153; deaths, 19.
Cape Province.....				Apr. 1-May 31, 1926: Cases, 116; deaths, 15. Native.
Do.....	May 31-June 12.....			Outbreaks.
Grahamstown.....	do.....	1		Sporadic.
Natal.....				Apr. 1-May 31, 1926: Cases, 17. Native.
Orange Free State.....				Apr. 1-May 31, 1926: Cases, 15; deaths, 1.
Do.....	June 6-12.....			Outbreaks.
Transvaal.....				Apr. 1-30, 1926: Cases, 3; deaths, 3. Native.
Walkkerstroom district.....	June 20-26.....			Outbreaks.
Wolmaransstad district.....	do.....			Do.
Yugoslavia.....				Apr. 15-June 30, 1926: Cases, 48; deaths, 7.
Zagreb.....	May 15-21.....	1		

YELLOW FEVER

Brazil.....	Reported June 26.....			Present in interior of Bahia, Pirapora, and Minas.
Bahia.....	May 9-29.....	4	3	
Do.....	June 6-19.....	4	3	