

PUBLIC HEALTH REPORTS

VOL. 33.

FEBRUARY 1, 1918

No. 5

MORBIDITY STATISTICS OF WAR INDUSTRIES NEEDED.¹

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It is hardly necessary, before a group of those who understand so intimately the difficulties which beset the epidemiologist, to amplify upon the need for more accurate, uniform, and complete statistics of morbidity. This need has long been realized. It has been well said, and with the emphasis of frequent reiteration, that "no health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring." Morbidity statistics, as an index of a population's health, are regarded without question as one of the most needed instruments and one of the most desired goals of preventive medicine.

Yet it must be confessed that we have been proceeding rather leisurely in availing ourselves of this instrument—so leisurely, in fact, that we are seriously handicapped at a time when maximum efficiency is required by national necessity of all individuals and all agencies of production and of service. There is at present no field of service in which the demand for maximum efficiency is more urgent or in which maximum efficiency is more vital than that of industrial labor, especially labor in the so-called "war industries." Such statistics of the causes of lost time by workers as we now have, indicate that while the usual major "industrial" causes of unemployment, such as slack demand for labor, have practically ceased to be operative, the time lost because of physical disability remains fairly constant.² In other words, to borrow the phraseology of Mr. W. H. Beveridge, we have pretty nearly reached what in normal times is the "irreducible minimum of unemployment."³ So far as this so-called "irreducible minimum" is due to preventable sickness,

¹ Read before the Section on Vital Statistics of the American Public Health Association, Washington, D. C., October 18, 1917.

² See the statistics of unemployment among members of representative Massachusetts unions published in the Massachusetts Reports on the Statistics of Labor, and of idleness in labor unions in New York published monthly by the New York State Industrial Commission.

³ Unemployment: A Problem of Industry, p. 72.

the responsibility for its further reduction rests upon those whose duty it is to see that the workers' physical efficiency is at its highest point. The obligation goes even further. While industry to-day needs every ounce of labor force that it can get, yet in the struggle upon which the nation has engaged itself, the length and strain of which can not be foreseen, it is a shortsighted policy to gauge labor efficiency in terms of the output of over-exertion. The men and women upon whose work depends the steady productiveness of mechanical power are irreplaceable factors. To make them more efficient, and to conserve them, it is not enough that the existing standards of labor be maintained; it may be found advisable, just as it has been found in Great Britain, to revise and even to raise and make more rigid our standards. The point in this which is of vital concern to us is that whatever may be necessary to be done should be accomplished with as great a degree of scientific accuracy and of properly directed effort as is possible. Efficiency in the prevention of disease among industrial workers was never more clearly indispensable than now.

It is difficult to see how this can be accomplished without a dependable current index of the health of the workers, such as a properly administered system of morbidity statistics will afford. It is not sufficient for us to assume that certain manifestly desirable measures, such as vigilance against specific poisons and against excessive fatigue in occupations already recognized as hazardous in these respects, and the wholesale sanitation of places of work and of industrial communities, are all that are required for conserving the health of wage-earners and their families. These measures may be adequate, but we do not know. Certainly the inquiries of the British Health of Munitions Workers Committee do not suggest such a conclusion.¹ On the contrary, the problem appears to be more complex because of the effect of certain factors already operating but not yet accurately evaluated, and because of the possible effects of other factors which may be called into existence by new conditions.

Some of these factors may be mentioned. For example, one of the immediate factors which may have a relation to the health of wage earners is the readjustment occurring in the labor supply. New industries have been brought into existence by the war and there has been a greatly increased activity on the part of the basic indus-

¹ The reader is referred to the convenient reprints of the memoranda and reports of the British Health of Munitions Workers Committee which have been issued, in compliance with a resolution of the American Council of National Defense, by the United States Bureau of Labor Statistics as *Bulletins 221, 222, 223, and 230*, and which have been, from time to time, abstracted in the *Monthly Review of the Bureau of Labor Statistics*. See especially the memoranda relating to diet (in *Bulletin 222*), and employment of women and children (in *Bulletin 223*), and the reports on causes and conditions of lost time, incentives to work with special reference to wages, etc. (in *Bulletin 230*).

tries. In the face of an unprecedented demand for labor have come the withdrawal of a large number of younger male workers for the Army and Navy and for their supporting services, the entrance of more women and of older men into industry, and a tendency toward a greater employment of physically and mentally deficient persons. As the result of these readjustments, we may naturally expect some significant changes in the status of the workers' health. A second possible factor is the incentive to unusual effort on the part of workers because of higher wages, or the pressure of increased living costs, or the desire on the part of employers to obtain maximum production. The possible effects of work without necessary rest, especially on female workers, have been made a subject of study by the British munitions authorities which indicates significant conclusions. A third factor is the possible tendency toward relaxing hygienic standards in factories under what are termed "emergency conditions." The tendency is, of course, a natural one, but it is nevertheless fraught with great danger. A fourth factor, of by no means small importance, is the effect upon the health of the wage earner and his family of the lack of proper diet. There are already unmistakable evidences, for example, that the difficulties of proper distribution and the increased cost of foodstuffs are having serious effects upon the health of textile workers in certain parts of the South.

These are only a few of the factors which should be detected and evaluated. Their influence upon the health of workers is impossible of satisfactory indication or measurement unless there is a systematic recording of sickness in such a way as to permit of analysis with respect to sex, age, occupation, and various other conditions of physical status and environment of the persons concerned. The continued emphasis which Sir George Newman, the chairman of the British Health of Munitions Workers Committee, and his associates, have placed upon the adequate recording of sickness as fundamentally necessary to intelligent steps for the prevention of lessened efficiency in war industries,¹ has for us the significant implication that we should not fail to benefit by British experience without further delay. In many other lines of service the progress which ordinarily would have been reached with a tolerable degree of satisfaction in years has,

¹ "Every case of lost time or absence (on the part of the worker) calls for inquiry. It should be properly recorded. A study of such records is certain to disclose the existence of adverse influences or circumstances to-day unsuspected, which may denote the beginning of sickness. * * * Medical certificates should be required, correctly recorded and carefully examined. Week by week the management should scrutinize their chart of sickness returns and study their rise and fall. Only thus can they keep themselves advised of this vital matter." Memorandum No. 10 (on "Sickness and injury") of the British Health of Munitions Workers Committee, reprinted in United States Bureau of Labor Statistics Bulletin 222: Hours, Fatigue, and Health in British Munition Factories (pp. 61-71). See also the report on "Causes and Conditions of Lost Time" by T. Loveday, reprinted in United States Bureau of Labor Statistics Bulletin 230 (pp. 42-95), especially the chapter on "Sickness" and the significance of sickness statistics (pp. 49-71).

under the spur of necessity and in a remarkable spirit of cooperation, been attained in months. The suggestion appears pertinent, therefore, that we should no longer look upon statistics of morbidity as a goal to be attained at some indefinite time in the future, but should regard it as an instrument which is immediately necessary to the task in hand.

The inadequacy of the morbidity statistics now available hardly needs to be emphasized except for the purpose of suggesting specific defects to be remedied and available agencies for the recording of sickness. What statistics we now have are fragmentary, not uniform, unrelated to conditions except in a few very general respects, and extremely scanty. The regularly collected statistics of morbidity by our Federal, State, and local health agencies consist of weekly and monthly reports of merely the number of cases of certain diseases (principally the communicable diseases) occurring among the general population. They are not available for analysis for a specific population such as the wage earners in a given industry, and they can not be correlated with age or sex or occupation. The only other morbidity records available are those of cases of disabling sickness and non-industrial accidents among wage earners who belong to union, establishment, and other varieties of sickness insurance funds, and among the employees of a few manufacturing and transportation companies which attempt to record all cases of sickness. These records lack uniformity in many respects. The funds have different regulations governing the kinds of sickness reported and the actual proportion of reportable cases. In very few instances can they be classified according to sex, and hardly any instance has been found in which the ages of both the exposed population and the disabled individuals have been recorded. The records apply only to insured wage earners who are often a distinctly selected group, excluding those who are physically defective from chronic diseases and other causes, the temporary or casual laborers, and the large mass of those who are unable to pay the cost of insurance. Even in those establishments where the medical service is of an efficient type and where the records are kept in a businesslike and accurate manner, sex, age, and occupation are not recorded in such a way as to be expressed in relation to exposure. While several community sickness surveys have already afforded extremely valuable statistics, and this method, as well as the enumeration of serious sicknesses on census days, will yield even more important data, their usefulness is limited because they do not afford a continuous and therefore a current index to the status of a population's health.

Is it feasible to secure adequate and continuous morbidity statistics for war industries?

Let us briefly review, first, what the minimum requirements for useful statistics of morbidity should be. Tentatively the following are suggested:¹

1. Exposure, in years or in months, of the workers who should be classifiable according to sex, age, and occupation.
2. Cases of sickness (at least those causing disability), including (a) sex, age, and occupation of persons affected, and (b) cause of sickness with time of onset, length of disability, and nature of termination.

For certain establishments where the records may be made more complete, and in special studies of the causes of sickness, various other data relating to the length of time in given occupations, the economic status, the sanitary conditions, and the like, of the exposed population and of the persons affected, are possible of collection. The foregoing, however, refers to minimum requirements for a maximum volume of data.

Second, the practicability of securing current morbidity statistics which will measure up to these requirements. It is believed that their collection is practicable within certain bounds for the following reasons:

1. A large number of industrial and transporting establishments are already in the habit of recording disabling cases of sickness, and a considerable number of the larger establishments employ industrial physicians and provide medical service. The tendency is unmistakably toward an extension of sick-benefit funds and of medical supervision and service.

2. There is a very evident willingness on the part of many employers, as well as on the part of many organizations of labor and associations for sick benefits, to cooperate in every way possible with the public health agencies. This willingness was clearly manifested before the outbreak of the war and has been undoubtedly greatly increased since the war began.

3. There already exists, therefore, a basis for an important beginning in the recording of morbidity. It is believed practicable to utilize the facilities that already are available, provided, (a) that the recording of exposure and incidence be extended to all the em-

¹ In this connection reference may be made to the resolution passed by the Annual Conference of State and Territorial Health Officers with the United States Public Health Service in Washington, April 30-May 1, 1917. This resolution set forth "as minimum standard morbidity tables for publication in annual reports of State and Territorial health authorities tables giving the distribution of cases of the notifiable diseases, as follows:

"1. Chronologically by months; 2. By sex; 3. By 5-year age groups up to 25 years, and by 10-year age groups after 25 years; 4. By termination (recovery or death); 5. Geographically by counties and municipalities." (U. S. Public Health Service Public Health Reports, May 11, 1917; 32:690.)

See also "Vital Statistics: 1917 Progress Report of the Committee on Relation of 1920 Census to Vital Statistics to the Section in Vital Statistics, American Public Health Association," by William H. Guilfooy M. D., chairman, and Edwin W. Kopf, corresponding secretary, of the committee, *New York Medical Journal*, Oct. 6, 1917 (CVI:633-636).

ployees of each plant, (b) that uniformity be established in the form of the medical certificate and in the records of age, sex, and occupation of the persons exposed and affected, (c) that regularity of reporting be effected, and (d) that there be a responsible central supervising, assembling, and publishing agency for the statistics recorded. There can be little doubt that with such a beginning as the cooperation of even a few large establishments would make possible, the systematic collection and analysis of morbidity statistics for not only the "war industries," but for other industries would rapidly develop.

This conclusion has been reached after a survey of the existing disability records of over 400 establishment sick-benefit funds and a more detailed inquiry into and conference with a number of establishments having such funds, or medical supervision of employees, or both, and maintaining regular records of disabling sickness for part or all of their employees. It is fully realized that considerable modifications of the suggested minimum requirements may be found advisable when further consideration is given and as experience is gained after the work is begun. The foregoing is believed to be a practical suggestion for inaugurating a method of morbidity statistics for industries which will be of great service with the least possible delay, and which will afford a foundation for later development.

Whether or not this or some other suggestion is the more feasible is, however, of less importance than the fact that morbidity records of such a kind as to afford a current index of the health of industrial labor are not merely desirable but necessary in the present emergency. They are necessary because they are an instrument without which public health administration can not most efficiently do its important part in helping to maintain our industrial forces at their full strength. It does not seem that we can afford to continue to be handicapped in this respect.

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.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED JAN. 29.

Camp Bowie, Tex.—Fort Worth: Measles 19, broncho pneumonia 4, lobar pneumonia 25, smallpox 12, chicken pox 3, meningitis 2, gonorrhea 38, syphilis 18, pulmonary tuberculosis 2. Polytechnic: German measles 1. Mansfield: Pneumonia 1.

Camp Dodge, Iowa.—Des Moines: Smallpox 34, scarlet fever 6, measles 3, spinal meningitis 2, gonorrhea 1, typhoid fever 4, tuberculosis 1. Bloomfield township: Smallpox 4. Grimes: Pneumonia 1. Granger: Measles 2.

Camp Funston, Kans.—Leonardsville: Chicken pox 1, smallpox 2. Cleburne, measles 7, smallpox 1. St. George: measles 1. Pottawattamie County: smallpox 1. Junction City: Chicken pox 4, scarlet fever 3, measles 19, smallpox 2, whooping cough 1, mumps 1. Riley: Measles 13. Manhattan: measles 138, pneumonia 4, chicken pox 4, scarlet fever 4, meningitis carriers 4, mumps 5. Ogden: Diphtheria 1, measles 4, pneumonia 1.

Camp Gordon, Ga.—Atlanta: Gonococcus infection 1, scarlet fever 4, epidemic cerebrospinal meningitis 8, typhoid fever 2, German measles 5, measles 15, diphtheria 5, whooping cough 2, pneumonia 2, syphilis 1, tuberculosis 1. Decatur, DeKalb County: Measles 2, diphtheria 2. Chamblee, DeKalb County: Diphtheria 1. College Park, Fulton County: Scarlet fever 1, smallpox 1.

Camp Greene, N. C.—Chicken pox 6, measles 44, mumps 4, syphilis 10, syphilis and gonorrhea 1, German measles 4, gonorrhea 7, gonorrhea and syphilis 2, whooping cough 4, scarlet fever 2, cerebrospinal meningitis 4, gonorrhea and bubo 1, chancroids and gonorrhea 1; all in Charlotte township.

Camp Hancock, Ga.—Measles: Augusta 20, North Augusta 1, Blythe 1, Bartons Chapel 3; and German measles: Augusta 25, North Augusta 14; and lobar pneumonia: Augusta 3, Hephzibah 3, Bartons Chapel 1; and pulmonary tuberculosis: Augusta 3; and cerebrospinal meningitis: Augusta 1; and chicken pox: Augusta 1; and typhoid fever: Hephzibah 1.

Camp Jackson, S. C.—Columbia (week ending 26th): Cerebrospinal meningitis 4, mumps 2, pneumonia 1, whooping cough 3, scarlatina 1.

Fort Leavenworth, Kans.—German measles: City 37. Measles: City 7, county 5. Typhoid: City 1. Smallpox: City 3, county 1. Chicken pox: City 1, county 1. Lobar pneumonia: City 2, county 5. Diphtheria: City 1, county 1.

Camp Lewis, Wash.—German measles: Lake View 2, Spanway 7, Roy, 3 Steilacoom 1, Gravelly Lake 1, Country Club 1. Chicken pox: Spanway 3. Tuberculosis: Lake View 1.

Camp Logun, Tex.—Houston: Chicken pox 4, diphtheria 1, German measles 4, gonorrhea 3, measles 21, mumps 3, pneumonia 7, smallpox 2, scarlet fever 1, typhoid fever 1, tuberculosis 4. Houston Heights: Measles 1. Harrisburg: Pneumonia 1. Pasadena: Pneumonia 1.

Camp MacArthur, Tex.—Waco: Chicken pox 1, German measles 20, gonococcus 3, measles 5, meningitis, epidemic, 1, mumps 1, pneumonia 3, rabies in animals 1, smallpox 1, syphilis 1, tuberculosis 1.

Camp McClellan, Ala.—Anniston: Smallpox 3, measles 4, pneumonia 4, tuberculosis 2, chicken pox 10, German measles 5, mumps 2. Beat 2: Smallpox 2, pneumonia 1, chicken pox 1, measles 2, German measles 2. Beat 3: Smallpox 1. Beat 4: Smallpox 4. Beat 13: Smallpox 1, chicken pox 1. Beat 23: German measles 3.

Fort Oglethorpe, Ga.—Chattanooga: Scarlet fever 4, tuberculosis 4, pneumonia 4, syphilis 8, German measles 44, measles 14, mumps 8, gonorrhea 13, diphtheria 1, smallpox 3, meningitis 3, chicken pox 17. East Chattanooga: Mumps 1, chicken pox 1. North Chattanooga: Chicken pox 3, German measles 1, pneumonia 1. East Lake: German measles 1, whooping cough 1, tuberculosis 1. St. Elmo: German measles 1. Lake View, Ga.: Mumps 1. Rossville, Ga.: German measles 1, mumps 1, tuberculosis 1, pneumonia 1.

Camp Pike, Ark.—Little Rock: Measles 20, chicken pox 3, smallpox 36, pneumonia 6, German measles 5, mumps 2, malaria 1, syphilis 15, gonorrhea 20, erysipelas 1, chancreoid 2, meningitis 2, whooping cough 2, typhoid 1. North Little Rock: Measles 2, smallpox 6, tuberculosis 3, diphtheria 1, mumps 1, gonorrhea 1, chancreoid 1. Scotts: Measles 1, German measles 1, syphilis 1, pneumonia 3, septic sore throat 1. Sweet Home: Pneumonia 1, erysipelas 1, smallpox 1. Kerr: Whooping cough 2. Toltec: Tuberculosis 1. Levy: Pneumonia 1, meningitis 1. McAlmont: Pneumonia 1.

Camp Sevier, S. C.—Chick Springs, rural: Two measles. Greenville, City View: One epidemic cerebrospinal meningitis. Greenville: Six measles.

Camp Shelby, Miss.—Forrest County: Hattiesburg: Chicken pox 1, diphtheria 2, gonorrhea 1, malaria 2, measles 8, meningitis 1, mumps 2, pneumonia 3, smallpox 7, syphilis 1, typhoid 1. Carnes: Measles 7. Covington County: Seminary: Diphtheria 1. Collins: Smallpox 1. Green County: McLain: Smallpox 1. Harrison County: Lyman: Smallpox 1. Saucier: Diphtheria 1. Lamar County: Sumrall: Meningitis 1. Clyde: Smallpox 2.

Camp Sheridan, Ala.—Montgomery: Measles 25, German measles 10, tonsillitis 2, chicken pox 3, tuberculosis 1, pneumonia 3, smallpox 3, diphtheria 2, meningitis suspect 1. Capitol Heights: Chicken pox 2. Chisholm: Measles 1. Cloverdale: Chicken pox 1, German measles 1. Rural district in 5-mile zone: Measles 1.

Camp Sherman, Ohio.—Diphtheria: Chillicothe 1. German measles: Chillicothe 39. Measles: Chillicothe 6, Liberty Township 1. Lobar pneumonia: Chillicothe 1. Scarlet fever: Chillicothe 7.

Camp Zachary Taylor, Ky.—Jefferson County: Chicken pox 1, German measles 1, typhoid fever 1. Louisville: Diphtheria 8, chicken pox 7, German measles 17, measles 39, mumps 1, pneumonia 3, meningitis, cerebrospinal 2, tubercular 1, smallpox 5, scarlet fever 4, tuberculosis, pulmonary, 26, typhoid fever 3, whooping cough 3.

Tidewater Health District, Va.—Newport News: Measles 17, pneumonia 3, tuberculosis 1, chicken pox 1. Hampton: Measles 5, tuberculosis 1. Phoebus: Pneumonia 1.

Camp Wadsworth, S. C.—Spartanburg city: Measles 2, German measles 17, whooping cough 4, chicken pox 5, smallpox 1, pneumonia 3, cerebrospinal meningitis 2, mumps 1, syphilis 2. Spartanburg County: Pneumonia 1, mumps 1, cerebrospinal meningitis 1.

CURRENT STATE SUMMARIES.

Alabama.

From Collaborating Epidemiologist Perry, telegram dated January 28, 1918:

Two cases cerebrospinal meningitis, Mobile.

Arkansas.

From Collaborating Epidemiologist. Garrison, telegram dated January 29, 1918:

Smallpox: Three cases Morrilton, 3 Clarksville, 6 Spadra, 1 Earle, 3 Monticello, 1 Bigelow, 3 Sebastian County, 28 Little Rock, 3 North Little Rock, 2 Sweethome, 6 Texarkana. One meningitis Little Rock. One tuberculosis Little Rock, 1 North Little Rock, 1 Toltec, 2 Sebastian County. Ten measles Little Rock, 2 North Little Rock, 2 Scotts, 1 Texarkana, 12 Thornton. Two malaria Little Rock. Thirty-two chicken pox, 1 diphtheria, and 21 whooping cough, Sebastian County.

California.

From the State Board of Health of California, telegram dated January 29, 1918:

Epidemic diseases showed continued increases last week. Measles, chicken pox, and scarlet fever, especially. Smallpox: One each in Sacramento, Los Angeles, Fresno, Glendale, and Tulare County; 2 in San Francisco. Five cases epidemic cerebrospinal meningitis: One each in Oakland, Los Angeles County, and Orange County; 2 in San Diego County. Diphtheria increased in San Francisco and surrounding territory.

Reported by mail for preceding week (ended Jan. 19):

Anthrax.....	1	Pneumonia.....	67
Cerebrospinal meningitis.....	2	Poliomyelitis.....	1
Chicken pox.....	216	Ophthalmia neonatorum.....	1
Diphtheria.....	64	Scarlet fever.....	87
Erysipelas.....	8	Smallpox.....	12
German measles.....	176	Syphilis.....	37
Gonococcus infection.....	36	Trachoma.....	1
Leprosy.....	2	Tuberculosis.....	133
Malaria.....	7	Typhoid fever.....	13
Measles.....	376	Whooping cough.....	72
Mumps.....	68		

Indiana.

From the State Board of Health of Indiana, telegram dated January 28, 1918:

Scarlet fever: Epidemic Portland, Hanover, Laporte County, Hickville, DeKalb County; 4 cases Muncie, 3 cases Anderson. Diphtheria: Epidemic Evansville, Bloomfield; 1 death each Attica, Goshen, Martinsville. Measles: Epidemic Pleasant Lake, Greensburg. Smallpox: Sullivan County, Albion, Linton, Bloomfield, French Lick. Whooping cough: Epidemic Marion; 1 death each Beonville, Petersburg, Jonesboro.

Kansas.

From Collaborating Epidemiologist Crumbine, telegram dated January 28, 1918:

Meningitis: Salina 1, Coffeyville 2, Concordia 1, Marysville 1, Mina 2. Meningitis carriers: Manhattan 3. Smallpox: Kansas City 52; week ending January 26.

Louisiana.

From Collaborating Epidemiologist Dowling, telegram dated January 28, 1918:

Meningitis (excluding Rapides): DeSoto 1, 19th; Caddo 1, 21st; Vermilion 1, 24th; Ascension 1, 26th; Grant 1, DeSoto 1, 27th; Orleans 1, 28th.

Massachusetts.

From Collaborating Epidemiologist Kelley, telegram dated January 28, 1918:

Unusual prevalence January, to date. Diphtheria: Ashby 6, Dedham 11. Measles: Beverly 54, Hopkinton 14, Needham 60, Winchester 29. Additional for week. Measles: Marlboro 107. Scarlet fever: Shelburne 5. Whooping cough: Falmouth 22. Smallpox: Boston 1, Natick 1.

Minnesota.

From Collaborating Epidemiologist Bracken, telegram dated January 28, 1918:

Smallpox: Douglas County, Ida township 5, Isanti County, Springvale township 1, Kittson County, Hallock township 2, Rice County, Northfield city 6, Travers County, Parnell township 1, unusual prevalence; Brainard city, Crow Wing County, Mora village, Kanabeck County. Scarlet fever: Litchfield village, Meeker County. Two reports cerebrospinal meningitis since January 21.

Mississippi.

From Collaborating Epidemiologist Leathers, telegram dated January 29, 1918:

Two deaths cerebrospinal meningitis Leake County, 1 case each Holmes, Grenada, Simpson.

New Jersey.

From Collaborating Epidemiologist Bowen, telegram dated January 28, 1918:

Investigating unusual number of cases intestinal disturbance, possibly dysentery, which occurred two weeks ending January 26 in Montclair, Glen Ridge, Bloomfield, Bayonne, and possibly in some other towns using the same water supply. Extensive outbreak of same character in Elizabeth, different water supply.

South Carolina.

From Collaborating Epidemiologist Hayne, telegram dated January 28, 1918:

Thirteen new cases meningitis. Believe epidemic developing.

Vermont.

From Collaborating Epidemiologist Dakton, telegram dated January 28, 1918:

One case epidemic meningitis, Burlington. No unusual prevalence.

Virginia.

From Collaborating Epidemiologist Traynham, telegram dated January 28, 1918:

One case smallpox Wise County. One case cerebrospinal meningitis Bedford County, one case Halifax County.

Washington.

From Collaborating Epidemiologist Tuttle, telegram dated January, 28, 1918:

German measles prevalent throughout State. No unusual outbreaks of disease.

RECIPROCAL NOTIFICATION.**Minnesota.**

Cases of communicable diseases referred during December, 1917, to other State health departments by department of health of the State of Minnesota.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Smallpox: Jadis Township, Roseau County.	Hannah, Cavalier County, N. Dak..	Exposed to smallpox at Hannah, N. Dak.
Tuberculosis: Mayo Clinic, Rochester, Olmsted County.	Lake Village, Chicot County, Ark.; Rock Island, Rock Island County, Ill.; Crawfordsville, Montgomery County, Ind.; Terre Haute, Vigo County, Ind.; Washington, Washington County, Iowa.; Dennison, Crawford County, Iowa.; Ironwood, Gogebie County, Mich.; Glendive, Dawson County, Mont.; Poplar, Sheridan County, Mont.; Olive, Auster County, Mont.; Rulo, Richardson County, Nebr.; McClusky, Sheridan County, N. Dak.; Hankinson, Richland County, N. Dak.; Brisbane, Morton County, N. Dak.; Lead City, Lawrence County, S. Dak.; Milton Junction, Rock County, Wis.; Milwaukee, Milwaukee County, Wis.; Shullsburg, Lafayette County, Wis.; Cheyenne, Laramie County, Wyo.; Lethbridge, Alberta, Canada; Winnipeg, Manitoba, Canada; Sault Ste. Marie, Ontario, Canada; Drummer, Saskatchewan, Canada; Hazelmere, Saskatchewan, Canada; Milnor, Sargent County, N. Dak....	8 advanced cases, 12 moderately advanced, 2 apparently arrested, 1 incipient, and 1 (stage of disease not given) cases left Mayo Clinic for homes.
Thomas Hospital, Minneapolis, Hennepin County.		Open case left Thomas Hospital for home in North Dakota.
Typhoid fever: Breckenridge, Wilkin County.	Hankinson, Richland County, N. Dak.	Visiting at Hankinson, N. Dak., 3 weeks previous to first symptoms.
Brainerd, Crow Wing County.	Park River, Walsh County, N. Dak.	Worked as farm laborer near Park River, N. Dak., 3 weeks before first symptoms.
Abbott Hospital, Minneapolis, Hennepin County.	Hankinson, Richland County, N. Dak.	Staying at home in North Dakota 3 weeks previous to first symptoms.
Glenwood, Pope County.	Near Mauer, Saskatchewan, Canada.	Nursed typhoid case in Saskatchewan previous to her own illness.

ANTHRAX.

Massachusetts—Middlesex County.

During the month of December, 1917, 4 cases of anthrax were notified in Middlesex County, Mass. Three of the cases occurred at Woburn and 1 at Stoneham; all in persons who had been employed in or about tanneries, although 1, a carpenter, had only repaired a door in a tannery.

CEREBROSPINAL MENINGITIS.

Virginia—Norfolk.

On January 26, 1918, 5 cases of cerebrospinal meningitis were notified in Norfolk, Va., making a total of 14 cases reported among civilians up to the date of the report.

State Reports for December, 1917.

Place.	New cases reported.	Place.	New cases reported.
Kansas:		New Jersey:	
Allen County.....	1	Burlington County.....	1
Cherokee County—		Essex County.....	9
Galena.....	1	Hudson County.....	3
Cloud County—		Passaic County.....	3
Aurora.....	1	Somerset County.....	1
Ellsworth County—		Union County.....	2
Ellsworth.....	1		
Geary County—		Total.....	19
Junction City.....	2		
Lincoln County—		Ohio:	
Lincoln.....	1	Adams County.....	1
Sedgwick County—		Athens County.....	1
Wichita.....	1	Cuyahoga County.....	5
Shawnee County—		Franklin County.....	4
Auburn.....	1	Hamilton County.....	2
Richland.....	1	Lucas County.....	3
Topeka.....	1	Mahoning County.....	1
Wyandotte County—		Medina County.....	1
Kansas City.....	2	Montgomery County.....	4
		Ross County.....	8
Total.....	13		
		Total.....	30
Maine:		Rhode Island:	
Cumberland County—		Providence.....	3
Portland.....	1		
Minnesota:		South Carolina:	
Hennepin County—		Darlington County.....	2
Minneapolis.....	1	Greenville County.....	3
Itasca County—		Hampton County.....	1
Nashwauc.....	1	Richland County.....	2
Mower County—			
Austin.....	1	Total.....	8
Ramsey County—			
St. Paul.....	1	South Dakota:	
St. Louis County—		Miner County.....	1
Biwabik.....	1		
Duluth.....	1		
Total.....	6		

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended Jan. 12, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Albany, N. Y.	1		Los Angeles, Cal.	1	1
Alexandria, La.	11	4	Louisville, Ky.	1	1
Anniston, Ala.	1		Macon, Ga.	6	
Augusta, Ga.	1		Milwaukee, Wis.	1	1
Boston, Mass.	1	1	Montgomery, Ala.		1
Buffalo, N. Y.	2		Newark, N. J.	3	2
Charleston, S. C.	1		New Orleans, La.	2	1
Charlotte, N. C.	3		Newport News, Va.	2	
Chattanooga, Tenn.	3	1	New York, N. Y.	4	2
Chicago, Ill.	8	5	Norfolk, Va.	1	1
Chillicothe, Ohio	1		Oklahoma City, Okla.	1	1
Cincinnati, Ohio	1	1	Omaha, Nebr.	1	1
Cleveland, Ohio	1		Philadelphia, Pa.	3	3
Columbus, Ohio	1		Pittsburgh, Pa.		1
Dayton, Ohio	1	1	Richmond, Va.		1
Duluth, Minn.	1		St. Louis, Mo.	2	
Fitchburg, Mass.	1		San Jose, Cal.	1	
Flint, Mich.	1		Spartanburg, S. C.	4	
Hartford, Conn.	2		Superior, Wis.	1	
Kansas City, Kans.	1		Troy, N. Y.	1	
Kansas City, Mo.	5	2	Washington, D. C.	3	1
Kokomo, Ind.	1	1	Worcester, Mass.	1	
Little Rock, Ark.	3	1			

DIPHTHERIA.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 153.

ERYSIPELAS.

City Reports for Week Ended Jan. 12, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Ann Arbor, Mich.	1		McKeesport, Pa.	1	
Atharta, Ga.		1	Milwaukee, Wis.	3	
Atlantic City, N. J.	1		Newark, N. J.	3	
Baltimore, Md.	4		New Castle, Pa.	1	
Boston, Mass.		2	New Orleans, La.		2
Buffalo, N. Y.	4		Norristown, Pa.	2	
Chicago, Ill.	15		Oakland, Cal.	1	
Chillicothe, Ohio	1		Pasadena, Cal.	1	
Cincinnati, Ohio	2		Philadelphia, Pa.	7	1
Cleveland, Ohio	4	1	Pittsburgh, Pa.	11	1
Denver, Colo.	8	1	Pontiac, Mich.	1	
Detroit, Mich.	2	1	Portland, Oreg.	2	
El Paso, Tex.		1	Providence, R. I.		1
Eric, Pa.	1		St. Joseph, Mo.	4	
Everett, Mass.	1		St. Louis, Mo.	3	
Flint, Mich.	1		St. Paul, Minn.	3	
Grand Rapids, Mich.	1		Salt Lake City, Utah		1
Harrisburg, Pa.	1		San Diego, Cal.	1	
Kansas City, Mo.	2		San Francisco, Cal.	1	
Little Rock, Ark.		1	Somerville, Mass.		1
Los Angeles, Cal.	0	1			

MALARIA.**State Reports for December, 1917.**

Place.	New cases reported.	Place.	New cases reported.
Kansas:		South Carolina:	
Anderson County—		Chester County.....	1
Garnett.....	1	Dorchester County.....	12
Crawford county—		Marion County.....	1
Pittsburg (R. D.).....	2	Total.....	14
Osage County—			
Osage City.....	1		
Total.....	4		
New Jersey:			
Essex County.....	2		
Sussex County.....	1		
Total.....	3		

City Reports for Week Ended January 12, 1918.

During the week ended January 12, 1918, one case of malaria was reported at Newark, N. J., one case at San Francisco, Cal., and two cases at Waco, Tex.

MEASLES.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 152.

PELLAGRA.**State Reports for December, 1917.**

Place.	New cases reported.	Place.	New cases reported.
Kansas:		South Carolina—Continued.	
Shawnee County—		Chester County.....	1
Topeka.....	1	Greenville County.....	1
South Carolina:		Laurens County.....	1
Anderson County.....	1	Spartanburg County.....	8
Cherokee County.....	1	Total.....	13

City Reports for Week Ended Jan. 12, 1918.

Place	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....		2	Nashville, Tenn.....	1	
Birmingham, Ala.....	2	2	New Orleans, La.....	2	2
Charleston, S. C.....		1	Portsmouth, Va.....		1
Houston, Tex.....		1	Spartanburg, S. C.....		1
Mobile, Ala.....		1	Washington, D. C.....	6	

PNEUMONIA.

City Reports for Week Ended Jan. 12, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1	—	Los Angeles, Cal.....	19	12
Alexandria, La.....	4	1	Louisville, Ky.....	1	17
Anniston, Ala.....	1	—	Lowell, Mass.....	2	3
Atlantic City, N. J.....	1	2	Lynn, Mass.....	6	4
Baltimore, Md.....	43	31	Macon, Ga.....	1	10
Boston, Mass.....	66	36	McKeesport, Pa.....	2	1
Braddock, Pa.....	1	—	Medford, Mass.....	1	1
Brockton, Mass.....	3	2	Montgomery, Ala.....	1	1
Butler, Pa.....	1	—	Newark, N. J.....	75	11
Cambridge, Mass.....	2	1	New Bedford, Mass.....	3	3
Chattanooga, Tenn.....	2	—	New Castle, Pa.....	3	—
Chelsea, Mass.....	3	1	Newport, Ky.....	2	2
Chicago, Ill.....	218	91	Newport News, Va.....	3	3
Cleveland, Ohio.....	52	40	Newton, Mass.....	1	1
Cumberland, Md.....	2	2	Norristown, Pa.....	2	1
Dayton, Ohio.....	5	12	Philadelphia, Pa.....	235	95
Duluth, Minn.....	1	1	Pittsburgh, Pa.....	74	64
Erie, Pa.....	2	—	Providence, R. I.....	1	4
Everett, Mass.....	1	1	Reading, Pa.....	2	4
Fall River, Mass.....	9	—	Rochester, N. Y.....	3	3
Fitchburg, Mass.....	2	4	St. Joseph, Mo.....	4	2
Flint, Mich.....	2	3	San Antonio, Tex.....	2	10
Grand Haven, Mich.....	1	—	San Diego, Cal.....	6	2
Grand Rapids, Mich.....	5	2	Sandusky, Ohio.....	1	—
Hagerstown, Md.....	2	—	San Francisco, Cal.....	16	13
Hattiesburg, Miss.....	1	—	Schenectady, N. Y.....	2	3
Haverhill, Mass.....	2	—	Somerville, Mass.....	1	1
Jackson, Mich.....	4	1	Spartanburg, S. C.....	1	—
Kalamazoo, Mich.....	1	1	Springfield, Mass.....	5	4
Kansas City, Kans.....	6	—	Stockton, Cal.....	1	—
Kansas City, Mo.....	35	22	Toledo, Ohio.....	1	3
Lancaster, Pa.....	3	—	Waco, Tex.....	3	—
Lawrence, Mass.....	2	4	Washington, Pa.....	1	—
Leavenworth, Kans.....	4	—	Wichita, Kans.....	8	1
Lexington, Ky.....	1	5	Wilkinsburg, Pa.....	2	2
Lincoln, Nebr.....	7	1	Wilmington, N. C.....	2	4
Little Rock, Ark.....	4	1	Worcester, Mass.....	11	9

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for November and December, 1917.

Place.	New cases reported.	Place.	New cases reported.
Minnesota (Dec. 1-31, 1917):		Ohio—Continued.	
Brown County.....	—	Hamilton County.....	1
Springfield.....	1	Mahoning County.....	2
Meeker County.....	—	Stark County.....	—
Cosmos Township.....	1	Total.....	7
Ohmsted County.....	—		
Rochester.....	1	Oregon (Nov. 1-30, 1917):	
Total.....	3	Clackamas County.....	1
New Jersey (Dec. 1-31, 1917):		Multnomah County.....	1
Morris County.....	1	Portland.....	2
North Dakota (Dec. 1-31, 1917):		Total.....	—
Walsh County.....	1	South Carolina (Dec. 1-31, 1917):	
Ohio (Dec. 1-31, 1917):		Darlington County.....	1
Belmont County.....	1	Lee County.....	2
Delaware County.....	1	Total.....	—

City Reports for Week Ended Jan. 12, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....	3	—	Detroit, Mich.....	—	1
Boston, Mass.....	—	1	Lowell, Mass.....	2	1
Chicago, Ill.....	1	1	New York, N. Y.....	1	—

SCARLET FEVER.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 152.

SMALLPOX.**Missouri—Kansas City.**

During the period of 6 days, January 24–29, 1918, 207 cases of smallpox were notified at Kansas City, Mo.

Texas—Eagle Pass—Virulent Smallpox.

During the week ended January 28, 1918, 7 new cases of smallpox were notified at Eagle Pass, Tex., making a total of 51 cases reported since October 1, 1917. During the week from January 21 to 28, 1918, 4 deaths from smallpox were reported, making a total of 11 deaths reported at Eagle Pass since October 1, 1917.

Texas—El Paso—Correction.

The report in relation to smallpox at El Paso, Tex., as published in the Public Health Reports of January 25, 1918, on page 112, was an error. The report was for Eagle Pass instead of El Paso.

State Reports for December, 1917.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas:						
Allen County—						
Bronson.....	1					1
Humboldt.....	2				2	
Iola.....	3				3	
Atchison County—						
Atchison.....	1				1	
Barber County—						
Hardtner.....	1			1		
Lake City.....	1				1	
Barton County—						
Holsington.....	2			1	1	
Bourbon County—						
Fort Scott.....	1				1	obtained or
Fulton (R. D.).....	1				1	uncertain.
Brown County—						
Horton.....	1				1	
Powhattan (R. D.).....	1				1	
Butler County—						
Angusta.....	1				1	
El Dorado (R. D.).....	5				5	
Chase County—						
Cottonwood Falls.....	1			1		
Chautauqua County—						
Grenola (R. D.).....	9				9	
Hewins (R. D.).....	1				1	obtained or
Cherokee County—						
Baxter Springs.....	3				3	
Chetopa (R. D.).....	1				1	
Columbus (R. D.).....	5				5	
Crestline (R. D.).....	1				1	
Galena (R. D.).....	19				19	
Mineral.....	3				3	
Scammon.....	8				8	

SMALLPOX—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued						
Cheyenne County—						
Bird City.....	2				2	
Cloud County—						
Glasco (R. D.).....	3			1	2	
Coffey County—						
Burlington.....	1				1	
Waverly (R. D.).....	1				1	
Westphalia (R. D.).....	1				1	
Cowley County—						
Arkansas City.....	1		1			
Crawford County—						
Arma.....	1				1	
Girard.....	1					1
Dickinson County—						
Herington.....	1				1	
Doniphan County—						
Wathena (R. D.).....	1			1		
Douglas County—						
Lawrence.....	5				5	
Franklin County—						
Ottawa.....	3				3	
Pomona.....	1				1	
Jackson County—						
Hoyt (1 R. D.).....	1				1	
Jefferson County—						
Oskaloosa (R. D.).....	4				4	
Perry.....	1				1	
Jewell County—						
Burr Oak.....	2				2	
Cawker City (5 R. D.).....	5				5	
Jewell (6 R. D.).....	7				7	
Lovewell (15 R. D.).....	15				15	
Mankato.....	2				2	
Randall (R. D.).....	1				1	
Johnson County—						
Gardner (R. D.).....	1				1	
Merriam (R. D.).....	1				1	
Overland Park (R. D.).....	1				1	
Rosedale (R. D.).....	1				1	
Kiowa County—						
Coldwater (R. D.).....	5				5	
Haviland County—						
1.....	1				1	
Labette County—						
Chetopa (R. D.).....	1				1	
Parsons.....	1		1			
Leavenworth County—						
Lansing.....	1				1	
Leavenworth (R. D.).....	8				8	
Linn County—						
Blue Mound (R. D.).....	6				6	
Boicourt.....	1				1	
La Cygne.....	1				1	
Mound City.....	11			1	10	
Pleasanton.....	1				1	
Logan County—						
Oakley (R. D.).....	1				1	
Lyon County—						
Admire (R. D.).....	1				1	
Emporia.....	2				2	
Reading (R. D.).....	3				3	
Marion County—						
Hillsboro (R. D.).....	5				5	
Marshall County—						
Frankfort.....	2				2	
Irving (R. D.).....	1			1		
Lillis.....	3				3	
Miami County—						
Drexel, Mo. (R. D.).....	2				2	
Osawatimie (R. D.).....	1				1	

SMALLPOX—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Mitchell County—						
Glen Elder.....	2			1	1	
Montgomery County—						
Caney.....	1				1	
Coffeyville.....	4				4	
Independence.....	2				2	
Morris County—						
Council Grove.....	2				2	
Neosho County—						
Chanute.....	1				1	
Norton County—						
Almena (R. D.).....	1				1	
Osage County—						
Barclay (R. D.).....	27				27	
Burlingame.....	9				9	
Carbondale.....	1				1	
Lynden (R. D.).....	1				1	
Overbrook.....	3				3	
Quanemo.....	1				1	
Richland (R. D.).....	1				1	
Scranton (1 R. D.).....	15				15	
Osborne County—						
Alton.....	1				1	
Covart (R. D.).....	1				1	
Ottawa County—						
Delphos.....	1				1	
Minneapolis.....	1				1	
Phillips County—						
Phillipsburg.....	1				1	
Republic County—						
Belleville.....	1				1	
Narka (R. D.).....	3				3	
Republic.....	3				3	
Rice County—						
Sterling.....	4				4	
Riley County—						
Ogden.....	1				1	
Manhattan.....	1				1	
Sedgwick County—						
Wichita (R. D.).....	5				5	
Seward County—						
Plains (R. D.).....	5				5	
Shawnee County—						
Topeka.....	4				4	
Stevens County—						
Hugoton.....	6				6	
Sumner County—						
Caldwell.....	1				1	
Mulvane.....	1				1	
Wellington (R. D.).....	5				5	
Trego County—						
Collyer.....	4				4	
Wabaunsee County—						
Harveyville (R. D.).....	2				2	
Washington County—						
Cuba (R. D.).....	3				3	
Wilson County—						
Altoona.....	3				3	
Fredonia.....	3				3	
North Altoona.....	9				9	
Woodson County—						
Neosho Falls.....	1				1	
Yates Center (R. D.).....	3				3	
Wyandotte County—						
Kansas City.....	178				178	
Rosedale.....	3			1	2	
Total.....	519		2	8	507	2

SMALLPOX—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Michigan (Dec. 1-31, 1917):						
Alcona County.....	5				5	
Allegan County.....	2				2	
Alpena County.....	25			1	23	1
Arenac County.....	6				6	
Barry County.....	1				1	
Bay County.....	20				18	2
Branch County.....	1				1	
Calhoun County.....	7				7	
Cass County.....	4				4	
Cheboygan County.....	1				1	
Chippewa County.....	1				1	
Clinton County.....	2				2	
Eaton County.....	5			1	4	
Genesee County.....	64				46	18
Gladwin County.....	2				2	
Grand Traverse County.....	2				2	
Houghton County.....	1				1	
Huron County.....	14			1	12	1
Ingham County.....	6			1	5	
Iosco County.....	17			1	16	1
Isabella County.....	5				5	
Jackson County.....	2				2	
Kalkaska County.....	1				1	
Kent County.....	92			2	90	
Lapeer County.....	18				9	9
Lake County.....	1					1
Lenawee County.....	5				5	
Livingston County.....	1					1
Macomb County.....	9				8	1
Mason County.....	25				25	
Mecosta County.....	2				1	1
Menominee County.....	5				5	
Misaukee County.....	12				12	
Monroe County.....	1				1	
Montcalm County.....	4				3	1
Muskegon County.....	16	1			15	1
Newaygo County.....	11			1	10	
Oakland County.....	8				8	
Oceana County.....	4				4	
Ogemaw County.....	1					1
Osceola County.....	11				10	1
Oscoda County.....	3				3	
Ottawa County.....	5				5	
Presque Isle County.....	4				4	
Saginaw County.....	2				1	1
St. Clair County.....	18				17	1
Sanilac County.....	3			1	2	
Schoolcraft County.....	6				6	
Shiawassee County.....	2				2	
Tuscola County.....	11				11	
Van Buren County.....	1				1	
Washtenaw County.....	13				13	
Wayne County.....	196				195	1
Wexford County.....	4			1		3
Total.....	688	1		9	633	46
Minnesota (Dec. 1-31, 1917):						
Aitkin County—						
Aitkin.....	5				5	
Anoka County—						
Columbus Township.....	1				1	
Blue Earth County—						
Mankato.....	2				2	
Carlton County—						
Moose Lake.....	1				1	
Carver County—						
Norwood.....	2				2	
Waconia.....	3				3	
Benton Township.....	1				1	

SMALLPOX—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Minnesota (Dec. 1-31, 1917)—Cont.						
Clay County—						
Moorhead.....	1				1	
Viding Township.....	1				1	
Cook County—						
Rosebush Township.....	1				1	
Crow Wing County—						
Brainerd.....	18		1	3	14	
Crosby.....	4		3	1		
Ironton.....	2				2	
Deerwood Township.....	1				1	
Douglas County—						
Alexandria.....	3			1	2	
Osakis.....	5			1	4	
Fillmore County—						
Bloomfield Township.....	1				1	
Hennepin County—						
Brooklyn Center.....	2				2	
Minneapolis.....	90			10	80	
Orono Township.....	9				9	
Houston County—						
Brownsville Township.....	1				1	
Kittson County—						
Hallock.....	11				11	
Kennedy.....	2				2	
Granville Township.....	1				1	
Lyon County—						
Marshall.....	7				7	
Rock Lake Township.....	1				1	
Marshall County—						
Alvarado.....	1			1		
Warren.....	1				1	
Meeker County—						
Harvey Township.....	1				1	
Miller County—						
Borgholm Township.....	1			1		
Morrison County—						
Little Falls.....	1				1	
Mower County—						
Austin.....	2				2	
Pleasant Valley Township.....	1				1	
Udolpho Township.....	1			1		
Windom Township.....	3				3	
Murray County—						
Slayton.....	7				7	
Holly Township.....	1				1	
Nicollet County—						
St. Peter.....	1				1	
Olmsted County—						
Dover Township.....	5				5	
Ottertail County—						
Hobart Township.....	13				13	
Pine County—						
Banning.....	1				1	
Pine Lake Township.....	1				1	
Polk County—						
Farley Township.....	14			1	12	1
Fisher Township.....	2				2	
Sandsville Township.....	3				3	
Pope County—						
Lowry.....	1				1	
Ramsey County—						
St. Paul.....	65				65	
White Bear.....	1				1	
Renoville County—						
Cairo Township.....	4				4	
Rice County—						
Faribault.....	1				1	
Rock County—						
Luverne.....	1				1	
Kanaranzi Township.....	1				1	

SMALLPOX—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Minnesota (Dec. 1-31, 1917)—Con.						
Roseau County—						
Roseau.....	1				1	
Jadis Township.....	2				2	
St. Louis County—						
Duluth.....	3				3	
Hibbing.....	1				1	
Virginia.....	1				1	
Sherburne County—						
Elk River Township.....	1				1	
Sibley County—						
Kelso Township.....	1				1	
Stearns County—						
Sauk Center.....	4				4	
Ashley Township.....	2				2	
Todd County—						
Gordon Township.....	1					1
Hartford Township.....	2				2	
West Union Township.....	2				2	
Traverse County—						
Croke Township.....	5			1	4	
Watonwan County—						
Butterfield.....	5				5	
Winona County—						
Pleasant Hill Township.....	2				2	
Wright County—						
Frankfort Township.....	1				1	
Total.....	344		4	21	317	2
Ohio (Dec. 1-31, 1917):						
Allen County.....	1				1	
Athens County.....	15				15	
Auglaize County.....	6				2	4
Belmont County.....	1				1	
Butler County.....	38				37	1
Clark County.....	7				7	
Clermont County.....	1					1
Clinton County.....	1				1	
Columbiana County.....	2			1	1	
Coshocton County.....	1					1
Crawford County.....	1				1	
Cuyahoga County.....	135				59	76
Darke County.....	28				13	15
Defiance County.....	3				1	2
Delaware County.....	1				1	
Erie County.....	5				5	
Fairfield County.....	9			1	4	4
Fayette County.....	42				5	37
Franklin County.....	25				23	2
Fulton County.....	3				1	2
Greene County.....	42				33	9
Guernsey County.....	1				1	
Hamilton County.....	35			1	31	3
Hancock County.....	14			1	13	
Henry County.....	36			1	21	14
Highland County.....	3				3	
Hocking County.....	4				4	
Holmes County.....	3				2	1
Jackson County.....	9				7	2
Knox County.....	1				1	
Lake County.....	1					1
Lawrence County.....	10				3	7
Licking County.....	10			1	7	2
Logan County.....	4				3	1
Lorain County.....	8				8	
Lucas County.....	20				3	17
Mahoning County.....	5				1	4
Medina County.....	44			1	43	
Mercer County.....	5				5	
Miami County.....	10				3	7

SMALLPOX—Continued.

State Reports for December, 1917—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio (Dec. 1-31, 1917)—Continued.						
Montgomery County.....	22				18	4
Paulding County.....	4				2	2
Morrow County.....	1					1
Perry County.....	2				1	1
Pickaway County.....	29				12	17
Pike County.....	10				2	8
Portage County.....	46				35	11
Preble County.....	3				2	1
Putnam County.....	3				2	1
Ross County.....	6				6	
Scioto County.....	29			1	15	10
Shelby County.....	95			3	74	18
Stark County.....	31				14	17
Summit County.....	114				45	69
Trumbull County.....	16				9	7
Tuscarawas County.....	7					7
Van Wert.....	1				1	1
Vinton County.....	1					1
Warren County.....	14				14	
Washington County.....	1					1
Wayne County.....	43				20	23
Williams County.....	1				1	
Total.....	1,069			11	645	413

Miscellaneous State Reports.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Maine (Dec. 1-31):			Maine (Dec. 1-31)—Contd.		
Aroostook County—			Washington County—		
Letter A (unorganized).....	1		Machias (town).....	1	
Chapman (town).....	1		Columbia Falls (town).....	3	
Mars Hill (town).....	2		Eastport.....	68	
Perham (town).....	2		Jonesport (town).....	1	
Fort Fairfield (town).....	24		Perry (town).....	3	
St. Francis.....	15		Total.....	199	
Caribou (town).....	24		North Dakota (Dec. 1-31):		
Portage (town).....	1		Bottineau County.....	7	
Davidson (unorganized).....	1		Cavalier County.....	29	
Van Buren (town).....	1		Griggs County.....	1	
Weston (town).....	1		McKenzie County.....	3	
Range 13, No. 7 (unorganized).....	2		McLean County.....	1	
Kennebec County—			Morton County.....	4	
Augusta.....	4		Pembina County.....	8	
Randolph (town).....	4		Ramsey County.....	3	
China (town).....	1		Rolette County.....	16	
Oakland (town).....	3		Towner County.....	17	
Gardiner.....	4		Walsh County.....	2	
Oxford County—			Ward County.....	1	
Norway (town).....	5		Williams County.....	13	
Penobscot County—			Total.....	98	
Passadumkeag (town).....	2		Oregon (Nov. 1-30):		
Sagadahoc County—			Umatilla County.....	1	
Richmond (town).....	1		Portland.....	2	
Somerset County—			Total.....	3	
Jackman.....	20		South Carolina (Dec. 1-31):		
Hartland (town).....	1		Richland County.....	1	
Fairfield (town).....	1				
Waldo County—					
Knox (town).....	6				

SMALLPOX—Continued.

Miscellaneous State Reports—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
South Dakota (Dec. 1-31):			South Dakota (Dec. 1-31)—		
Brown County.....	18	.....	Continued.		
Charles Mix County.....	1	.....	Union County.....	1	.....
Davison County.....	1	.....	Walworth County.....	1	.....
Edmunds County.....	7	.....	Total.....	162	.....
Faulk County.....	4	.....		
Grant County.....	1	.....	Vermont (Dec. 1-31):		
Gregory County.....	3	.....	Orleans County.....	8	.....
Hughes County.....	1	.....	Washington County.....	1	.....
Lake County.....	30	.....	Total.....	9	.....
Lawrence County.....	1	.....		
McCook County.....	17	.....	Wyoming (Dec. 1-31):		
Miner County.....	4	.....	Laramie County.....	4	.....
Minnehaha County.....	59	.....	Sheridan County.....	1	.....
Roberts County.....	7	.....	Campbell County.....	1	.....
Sanborn County.....	1	.....	Total.....	6	.....
Spink County.....	2	.....		
Tripp County.....	3	.....		

City Reports for Week Ended Jan. 12, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	47	.....	La Crosse, Wis.....	8	.....
Alton, Ill.....	6	.....	Leavenworth, Kans.....	1	.....
Ann Arbor, Mich.....	1	.....	Lincoln, Nebr.....	1	.....
Annniston, Ala.....	3	.....	Little Rock, Ark.....	9	.....
Atlanta, Ga.....	3	.....	Lorain, Ohio.....	2	.....
Baltimore, Md.....	2	.....	Los Angeles, Cal.....	2	.....
Boston, Mass.....	1	.....	Louisville Ky.....	1	.....
Birmingham, Ala.....	3	.....	Milwaukee, Wis.....	5	.....
Buffalo, N. Y.....	5	.....	Minneapolis, Minn.....	19	.....
Butte, Mont.....	7	.....	Montgomery, Ala.....	17	.....
Canton, Ohio.....	10	.....	New Orleans, La.....	4	.....
Charlotte, N. C.....	1	.....	Niagara Falls, N. Y.....	1	.....
Chicago, Ill.....	8	1	Oklahoma City, Okla.....	8	.....
Cincinnati, Ohio.....	10	.....	Omaha, Nebr.....	34	.....
Cleveland, Ohio.....	27	.....	Pontiac, Mich.....	1	.....
Coffeyville, Kans.....	3	.....	Portland, Oreg.....	6	.....
Columbus, Ohio.....	13	.....	Portsmouth, Va.....	1	.....
Cumberland, Md.....	1	.....	Quincy, Ill.....	4	.....
Danville, Ill.....	1	.....	Racine, Wis.....	1	.....
Davenport, Iowa.....	1	.....	Saginaw, Mich.....	3	.....
Dayton, Ohio.....	6	.....	St. Joseph, Mo.....	11	.....
Denver, Colo.....	7	.....	St. Louis, Mo.....	29	.....
Des Moines, Iowa.....	35	.....	St. Paul, Minn.....	10	.....
Detroit, Mich.....	73	.....	Salt Lake City, Utah.....	13	.....
Dubuque, Iowa.....	2	.....	San Antonio, Tex.....	1	.....
Duluth, Minn.....	1	.....	Seattle, Wash.....	6	.....
Erie, Pa.....	2	.....	Sioux City, Iowa.....	11	.....
Evansville, Ind.....	4	.....	Springfield, Ohio.....	3	.....
Flint, Mich.....	11	.....	Steelton, Pa.....	1	.....
Fort Wayne, Ind.....	37	.....	Superior, Wis.....	2	.....
Fort Worth, Tex.....	3	.....	Terre Haute, Ind.....	1	.....
Grand Rapids, Mich.....	35	.....	Toledo, Ohio.....	6	.....
Indianapolis, Ind.....	62	.....	Waco, Tex.....	1	.....
Kansas City, Kans.....	48	.....	Wichita, Kans.....	5	.....
Kansas City, Mo.....	162	.....		

TETANUS.

City Reports for Week Ended Jan. 12, 1918.

During the week ending January 12, 1918, one case of tetanus was reported at Philadelphia, Pa., and one death from this disease was reported at each of the following named places: New Orleans, La., Philadelphia, Pa., and Pittsburgh, Pa.

TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 152.

TYPHOID FEVER.

State Reports for November and December, 1917.

Place.	New cases reported.	Place.	New cases reported.
Kansas (Dec. 1-31):		Kansas (Dec. 1-31)—Continued.	
Allen County—		Morris County—	
Iola.....	1	Delavan (R. D.).....	1
Anderson County—		Wilsey.....	1
Garnett.....	1	Morton County—	
Barton County—		Elkhart.....	2
Great Bend.....	3	Norton County—	
Bourbon County—		Norton (R. D.).....	1
Fort Scott.....	1	Pawnee County—	
Butler County—		Belpre (R. D.).....	1
Augusta (R. D.).....	3	Reno County—	
El Dorado.....	20	Hutchinson.....	3
Towanda.....	1	Republic County—	
Whitewater.....	1	Belleville.....	1
Chautauqua County—		Riley County—	
Sedan.....	1	Manhattan.....	2
Cherokee County—		Rooks County—	
Baxter Springs.....	1	Woodston.....	1
Columbus.....	2	Rush County—	
Galena.....	2	Bison (R. D.).....	1
Opolis.....	1	Sedgwick County—	
Picher (R. D.).....	1	Wichita.....	8
Clay County—		Seward County—	
Idana (R. D.).....	1	Liberal.....	3
Cowley County—		Shawnee County—	
Winfield.....	1	Topeka.....	3
Crawford County—		Washington County—	
Pittsburg.....	3	Barnes (R. D.).....	2
Douglas County—		Wilson County—	
Lawrence.....	1	Altoona.....	2
Overbrook (R. D.).....	2	Buffalo.....	1
Edwards County—		Fredonia.....	1
Haviland (R. D.).....	1	Woodson County—	
Elk County—		Yates Center.....	1
Longton.....	3	Wyandotte County—	
Finney County—		Kansas City.....	3
Garden City.....	1	Turner.....	1
Gove County—		Total.....	121
Gove (R. D.).....	1		
Harper County—		Maine (Dec. 1-31):	
Anthony.....	3	Cumberland County—	
Ruff City.....	1	Portland.....	6
Harvey County—		Westbrook.....	3
Newton.....	1	Hancock County—	
Haskell County—		Eden (town).....	1
Santa Fe (R. D.).....	1	Somerset County—	
Jackson County—		Madison (town).....	1
Circleville (R. D.).....	1	Washington County—	
Mayetta.....	1	Eastport.....	4
Jefferson County—		Total.....	15
Valley Falls.....	1		
Johnson County—		Michigan (Dec. 1-31):	
Olathe.....	1	Alpena County.....	3
Kearny County—		Bay County.....	4
Lakin.....	2	Benzie County.....	1
Labette County—		Berrien County.....	1
Mound Valley.....	1	Branch County.....	2
Parsons.....	3	Calhoun County.....	1
Leavenworth County—		Charlevoix County.....	1
Leavenworth.....	1	Chippewa County.....	1
Linn County—		Crawford County.....	3
Blue Mound (R. D.).....	1	Emmet County.....	1
Mound City (2 R. D.).....	2	Genesee County.....	5
Marion County—		Gladwin County.....	1
Lehigh.....	1	Gratiot County.....	1
Peabody (R. D.).....	1	Huron County.....	2
Marshall County—		Ingham County.....	2
Herkimer.....	1	Ionia County.....	1
McPherson County—		Kalamazoo County.....	3
McPherson.....	1	Keweenaw County.....	1
Montgomery County—		Lapeer County.....	1
Caney.....	1	Macomb County.....	1
Coffeyville.....	2		
Independence (1 R. D.).....	2		

TYPHOID FEVER—Continued.

State Reports for November and December, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Michigan (Dec. 1-31)—Continued.		New Jersey (Dec. 1-31)—Continued.	
Marquette County.....	2	Sussex County.....	1
Monroe County.....	2	Union County.....	12
Cecana County.....	1	Total.....	51
Ottawa County.....	1	North Dakota (Dec. 1-31, 1917):	
Saginaw County.....	2	Adams County.....	4
St. Clair County.....	1	Burleigh County.....	1
Tuscola County.....	1	Cass County.....	1
Washtenaw County.....	3	Grant County.....	3
Wayne County.....	4	McLean County.....	1
Total.....	53	Morton County.....	3
Minnesota (Dec. 1-31):		Mountrail County.....	1
Anoka County—		Stark County.....	1
Anoka.....	1	Stutsman County.....	2
Bigstone County—		Total.....	17
Graceville.....	1	Ohio (Dec. 1-31):	
Blue Earth County—		Allen County.....	1
Mankato.....	1	Athens County.....	7
Carlton County—		Belmont County.....	1
Moose Lake.....	1	Butler County.....	2
Crow Wing County—		Clark County.....	7
Crosby.....	3	Clermont County.....	1
Freeborn County—		Columbia County.....	5
Albert Lea.....	1	Coshocton County.....	1
Goodhue County—		Cuyahoga County.....	6
Belvidere Township.....	1	Darke County.....	4
Hennepin County—		Delaware County.....	1
Minneapolis.....	19	Erie County.....	3
Kanabec County—		Franklin County.....	1
Knife Lake Township.....	1	Hamilton County.....	2
Kittson County—		Harrison County.....	6
St. Vincent.....	1	Holmes County.....	1
Lake County—		Huron County.....	2
Two Harbors.....	1	Lawrence County.....	9
Lincoln County—		Licking County.....	4
Hendricks.....	2	Logan County.....	1
Mille Lacs County—		Lorain County.....	1
East Side Township.....	2	Lucas County.....	4
Murray County—		Montgomery County.....	3
Murray Township.....	1	Muskingum County.....	1
Nicollet County—		Paulding County.....	1
North Mankato.....	1	Portage County.....	2
Olmstead County—		Ros* County.....	2
Rochester.....	1	Scioto County.....	4
Ottertail County—		Summit County.....	3
Fergus Falls.....	1	Trumbull County.....	2
Pipestone County—		Warren County.....	4
Burke Township.....	1	Wood County.....	1
Red Lake County—		Total.....	93
Red Lake Falls.....	1	Oregon (Nov. 1-30):	
Rodwood County—		Clatsop County.....	3
Vail Township.....	2	Douglas County.....	1
Rice County—		Harney County.....	1
Wheeling Township.....	1	Hood River County.....	7
St. Louis County—		Jackson County.....	2
Duluth.....	2	Klamath County.....	3
Virginia.....	2	Lane County.....	1
Winona County—		Linn County.....	2
Homer Township.....	1	Malheur County.....	11
Total.....	49	Marion County.....	1
New Jersey (Dec. 1-31, 1917):		Polk County.....	3
Atlantic County.....	2	Union County.....	1
Burlington County.....	5	Wallowa County.....	1
Camden County.....	1	Washington County.....	2
Cumberland County.....	1	Wheeler County.....	2
Essex County.....	12	City of Portland.....	19
Hudson County.....	1	Total.....	60
Mercer County.....	2	Rhode Island (Dec. 1-31):	
Middlesex County.....	2	Cranston.....	1
Monmouth County.....	6	Hope Valley (town).....	1
Morris County.....	2		
Ocean County.....	1		
Passaic County.....	2		
Salem County.....	1		

TYPHOID FEVER—Continued.

State Reports for November and December, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Rhode Island (Dec. 1-31)—Continued.		South Dakota (Dec. 1-31)—Continued.	
Pawtucket.....	1	Lake County.....	1
Providence.....	3	Minnehaha County.....	1
Total.....	6	Total.....	4
South Carolina (Dec. 1-31):		Vermont (Dec. 1-31):	
Greenville County.....	1	Addison County.....	2
Spartanburg County.....	2	Bennington County.....	2
Total.....	3	Franklin County.....	1
South Dakota (Dec. 1-31):		Windsor County.....	1
Clark County.....	1	Total.....	6
Davison County.....	1	Wyoming (Dec. 1-31):	
		Campbell County.....	1

City Reports for Week Ended Jan. 12, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Albany, N. Y.....	3		Manchester, N. H.....	1	
Atlanta, Ga.....	1		Milwaukee, Wis.....	1	
Baltimore, Md.....	3		New Bedford, Mass.....	2	2
Birmingham, Ala.....	4		New Castle, Pa.....	1	
Boston, Mass.....		1	New Haven, Conn.....	1	
Braddock, Pa.....	1		Newport News, Va.....	1	
Buffalo, N. Y.....	1		New York, N. Y.....	12	1
Camden, N. J.....	1		Niagara Falls, N. Y.....	2	
Chicago, Ill.....	4		Oakland, Cal.....	3	
Chillicothe, Ohio.....	1		Philadelphia, Pa.....	4	
Cincinnati, Ohio.....	2		Pittsburgh, Pa.....	2	1
Cleveland, Ohio.....	4	1	Pittsfield, Mass.....	2	
Coffeyville, Kans.....	1		Portland, Ore.....	1	
Columbus, Ohio.....	1		Providence, R. I.....	1	
Cumberland, Md.....	1		Quincy, Ill.....		1
Danville, Ill.....	1	1	Reading, Pa.....	1	
Detroit, Mich.....	19	4	Saginaw, Mich.....	2	1
Elgin, Ill.....	1		St. Louis, Mo.....	3	1
El Paso, Tex.....		1	Savannah, Ga.....	3	
Evansville, Ind.....	1	1	Schenectady, N. Y.....		1
Fall River, Mass.....	2		South Bend, Ind.....	1	
Flint, Mich.....	4		Springfield, Mass.....	1	
Grand Rapids, Mich.....	1		Springfield, Ohio.....	11	
Hartford, Conn.....	1		Syracuse, N. Y.....	1	
Hoboken, N. J.....	1		Toledo, Ohio.....	1	
Houston, Tex.....	1		Troy, N. Y.....	7	2
Lancaster, Pa.....	1		Washington County, Md.....	1	
Lawrence, Mass.....	1	1	Washington, D. C.....	5	1
Leavenworth, Kans.....	2		Wheeling, W. Va.....	9	
Los Angeles, Cal.....	1		Wilmington, Del.....	1	
Louisville, Ky.....	1		Worcester, Mass.....	1	
Lowell, Mass.....	1				

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

State Reports for November and December, 1917.

State.	Cases reported.		
	Diphtheria.	Measles.	Scarlet fever.
Kansas (December).....	145	699	416
Maine (December).....	37	807	30
Michigan (December).....	710	516	788
Minnesota (December).....	271	183	364
New Jersey (December).....	538	1,762	356
North Dakota (December).....	94	18	71
Ohio (December).....	752	456	752
Oregon (November).....	21	20	57
Rhode Island (December).....	104	40	52
South Carolina (December).....	140	585	11
South Dakota (December).....	23	35	51
Vermont (December).....	13	20	42
Wyoming (December).....	37	48	72

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

City Reports for Week Ended Jan. 12, 1918.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md.	589,621		15	1	76		10		10	29
Boston, Mass.	756,476	314	85	9	124	2	39	2	40	25
Chicago, Ill.	2,497,722	727	173	31	58	1	87	6	563	72
Cleveland, Ohio.	674,073	192	59	3	25		11		29	22
Detroit, Mich.	571,794	221	64	7	15	2	39		40	15
Los Angeles, Cal.	563,812	124	8		32		9		28	14
New York, N. Y.	5,602,941	1,967	238	31	1,102	24	140	10	268	170
Philadelphia, Pa.	1,709,518	715	41	7	55		62	1	96	87
Pittsburgh, Pa.	579,090	284	17	1	198	1	13		20	19
St. Louis, Mo.	757,309	244	61	7	30	1	28		34	18
From 300,000 to 500,000 inhabit- ants:										
Buffalo, N. Y.	468,558	151	21		17		16	2	21	9
Cincinnati, Ohio.	410,476	162	15	3	10		7		37	16
Jersey City, N. J.	306,345		14		51		23		14	
Milwaukee, Wis.	436,535	97	12	4	60	1	41	1	18	5
Minneapolis, Minn.	363,454		19		19		11			
Newark, N. J.	408,894		13	2	98		21		26	15
New Orleans, La.	371,747	179	24	4	55		2		30	20
San Francisco, Cal.	463,516	138	18	1	39	1	18	1	27	12
Seattle, Wash.	348,639		7		104		6		12	3
Washington, D. C.	363,980	148	21	1	94		35		38	12
From 200,000 to 300,000 inhabit- ants:										
Columbus, Ohio.	214,878	70	3		13		15		7	5
Denver, Colo.	260,800	71	11		43		20			16
Indianapolis, Ind.	271,708		35		45		43		11	
Kansas City, Mo.	397,847	129	14	1	72	3	29		4	8
Louisville, Ky.	238,910	161	8	1	24		8	1	13	7
Portland, Oreg.	295,463	57	2		16		10		8	3
Providence, R. I.	254,960	88	8	1	8		3	1	26	7
Rochester, N. Y.	256,417	75	2	1	3	1	2		1	5
St. Paul, Minn.	247,232	52	19		11		14	1	4	10
From 100,000 to 200,000 inhabit- ants:										
Albany, N. Y.	104,199		1		3		1		5	
Atlanta, Ga.	190,558		10		13		1			13
Birmingham, Ala.	181,762	67			125	3	5		4	4
Bridgeport, Conn.	121,529	49	9	1	10	1	8		3	3
Cambridge, Mass.	112,981	41	14	2	20	1			4	3
Camden, N. J.	108,233		7		54				3	
Dayton, Ohio.	127,234	52	4		13		3		5	7
Des Moines, Iowa.	101,588		3	1	1		5			
Fall River, Mass.	128,366	42	3	2	2		3		10	4
Fort Worth, Tex.	104,562	35	1	1	5		1			5
Grand Rapids, Mich.	128,291	36	5	1	9		6		5	
Hartford, Conn.	110,900	50	3		8		7		2	4
Houston, Tex.	112,367	32	2		16	1			1	4
Lawrence, Mass.	100,560	34	1		1				3	3
Lowell, Mass.	113,245	38	2	1	9		4		5	2
Lynn, Mass.	102,425	36	2		9		3		5	3
Nashville, Tenn.	117,057	55			27	1	4		5	5
New Bedford, Mass.	118,158	45			25		1		12	3
New Haven, Conn.	140,685		2	1	7	1	3		12	6
Oakland, Cal.	198,604	45			8		10		8	
Omaha, Nebr.	165,440	39	4	2	34		5			3
Reading, Pa.	108,381	32	4		3		1		9	4
Richmond, Va.	150,687	56	5		17		6		2	5
Salt Lake City, Utah.	117,389	22	1		103		11			
San Antonio, Tex.	123,821		12		12		2	6	7	14
Springfield, Mass.	165,942	42	6	1	20		6		2	2
Syracuse, N. Y.	155,624	44	9		63	1	26		2	2
Tellico, Ohio.	191,554	74	6	2	8		4	1	18	9
Trenton, N. J.	111,593	48	7	1	5		1		7	4
Worcester, Mass.	163,314	56	6		8		2		5	1
From 50,000 to 100,000 inhabit- ants:										
Akron, Ohio.	85,625		6		5		5		7	
Atlantic City, N. J.	57,660				5				3	2
Augusta, Ga.	30,245	11			26				3	
Dayton, N. J.	69,893				1		2		4	

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

City Reports for Week Ended Jan. 12, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
From 50,000 to 100,000 inhabit- ants—Continued.											
Berkeley, Cal.	57,653	8			1					2	
Brockton, Mass.	67,449	18	4		6		1		1	1	
Charleston, S. C.	60,734	38	1							7	
Chattanooga, Tenn.	60,075	6	1		15		1		1	5	
Covington, Ky.	57,144	19	1		1		2		2	2	
Duluth, Minn.	94,495	14	4		29		8	1	2	1	
East St. Louis, Ill.	74,708										
Elizabeth, N. J.	86,690	22	1		37		8			2	
El Paso, Tex.	63,705	38	1		15					10	
Erie, Pa.	75,195		5				1		2	32	
Evansville, Ind.	76,078	29	3		3		4			1	
Flint, Mich.	54,772	14	5		3		10			1	
Fort Wayne, Ind.	76,183	19	4		1						
Harrisburg, Pa.	72,015	37	6	2	4		9		3	1	
Hoboken, N. J.	77,214	16	2		15				3	3	
Johnstown, Pa.	68,529	22	1				12		1	1	
Kansas City, Kans.	99,437		9	2	13		13				
Lancaster, Pa.	50,853				3		3				
Little Rock, Ark.	57,343	10			47		5			2	
Malden, Mass.	51,155	14	1	1	7		4		1		
Manchester, N. H.	78,283	23	2	1	23	1	5		3		
Mobile, Ala.	58,221	31			11					2	
New Britain, Conn.	53,794	12								1	
Norfolk, Va.	89,612		2	1	4		3			2	
Oklahoma City, Okla.	92,943	17	1		10		2			1	
Passaic, N. J.	71,744	26	5		2				2	1	
Pawtucket, R. I.	59,411	19	3							2	
Portland, Me.	63,867	18	3		261					1	
Rockford, Ill.	55,185	14			9		3		3	1	
Saginaw, Mich.	55,642	17	1		1		2				
St. Joseph, Mo.	85,236	31	8		36		1			1	
San Diego, Cal.	53,330	32	1		71		3		6	6	
Savannah, Ga.	68,805	38	2		15				2	4	
Schenectady, N. Y.	99,519	26	5		10		2			3	
Sioux City, Iowa.	57,078						9				
Somerville, Mass.	87,039	28	4		27	1			3	1	
South Bend, Ind.	68,946	19	1		9		5		2		
Springfield, Ill.	61,120	14	1		2						
Springfield, Ohio.	51,550	24			1		1		3	3	
Terre Haute, Ind.	66,083	18	3		5		1		1		
Troy, N. Y.	77,916		2		1				5	1	
Wichita, Kans.	70,722						6		2		
Wilkes-Barre, Pa.	76,776	25	6	1	23		7		3		
Wilmington, Del.	94,265	38	2	2			1		5		
From 25,000 to 50,000 inhabitants:											
Alameda, Cal.	27,732	6	1		1		1		1		
Austin, Tex.	34,814	17								1	
Brookline, Mass.	32,730	5			24		1				
Butler, Pa.	27,632	6	3		19		1		1		
Butte, Mont.	43,425	17	3	1	4		6	2	3		
Charlotte, N. C.	39,823		1		61		1				
Chelsea, Mass.	46,192	6	2		12		1				
Chicopee, Mass.	29,319	6	3		4				5		
Columbia, S. C.	34,611		2		10				3		
Cumberland, Md.	26,074	10	1						1		
Danville, Ill.	32,261	13			1						
Davenport, Iowa.	48,811		1				5				
Dubuque, Iowa.	39,873	10			3		1			2	
East Orange, N. J.	42,458				25		4				
Elgin, Ill.	28,203	6	1		2		1			1	
Everett, Mass.	39,233	8	6		5		2		1	2	
Fitchburg, Mass.	41,781	12	2		4		2		4		
Galveston, Tex.	41,863	13	1		4		1				
Green Bay, Wis.	29,353	10			12		5				
Hagerstown, Md.	25,679		1		1		1				
Haverhill, Mass.	48,477	15	1	1	5		4		3	1	
Jackson, Mich.	35,363	17	1		2		36		1	1	
Kalamazoo, Mich.	48,886	17	5		25		1		4	1	
Kenosha, Wis.	31,576	2	7	1			7		1		
Kingston, N. Y.	26,771	15								2	

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

City Reports for Week ended Jan. 12, 1918—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 25,000 to 50,000 inhabi- tants—Continued.										
Knoxville, Tenn.	38,676		1		10		5			
La Crosse, Wis.	31,677	9	1				1		1	2
Lexington, Ky.	41,097	27			27		2			4
Lincoln, Nebr.	46,515	17	3		1		6			1
Lorain, Ohio	36,964		3				3		1	
Lynchburg, Va.	32,940	14			1					
Macon, Ga.	45,757	27	1		33		2			
Madison, Wis.	30,669				2		3			
McKeesport, Pa.	47,521				14					2
Medford, Mass.	26,234	6	1		3		1		1	
Montgomery, Ala.	43,265	12	1		32		2		2	1
Nashua, N. H.	27,337	12								1
Newburgh, N. Y.	29,663	13	1		37		1		1	
New Castle, Pa.	41,133				3		5		3	
Newport, Ky.	31,927	14								
Newport, R. I.	30,108	4	6	2	4		5			
Newton, Mass.	43,715	16	3	2	2		1		2	1
Niagara Falls, N. Y.	37,353	13			2		2			4
Norristown, Pa.	31,401	14	1				1			1
Ogden, Utah	31,404	3					2			
Orange, N. J.	33,060	12	1		8					
Pasadena, Cal.	46,450	17	1		1		3		4	3
Perth Amboy, N. J.	41,185	8	3		23				2	
Pittsfield, Mass.	38,629	2			4		2	2	1	
Portsmouth, Va.	39,651	12			1					1
Quincy, Ill.	36,798	13			4					
Quincy, Mass.	38,136	12	1							1
Racine, Wis.	46,486	9	2		1		2			
Roanoke, Va.	43,284	18	2		1		1		1	4
Rock Island, Ill.	28,926	8	2		1		2			
San Jose, Cal.	38,902				6		2			
Steubenville, Ohio	27,445	7								
Stockton, Cal.	35,358	62			12					
Superior, Wis.	46,226	12	1		3		9			2
Taunton, Mass.	36,283	24					1		2	1
Waco, Tex.	33,385				3		1		2	
Waltham, Mass.	30,570	9	3		3		3			1
Watertown, N. Y.	29,894	1			3					1
West Hoboken, N. J.	43,139	4	1		1		1		3	
Wheeling, W. Va.	43,377	14							1	1
Williamsport, Pa.	33,209	9			2		3			1
Wilmington, N. C.	29,692	20			15					2
Winston-Salem, N. C.	31,155	18			40				1	1
Zanesville, Ohio.	30,563	9								2
From 10,000 to 25,000 inhabitants:										
Alexandria, La.	15,333	8	3	1	30					
Alton, Ill.	22,874	5			5		2			
Ann Arbor, Mich.	15,010	15			6		2			
Anniston, Ala.	14,112				4					
Beaver Falls, Pa.	13,532						1			
Braddock, Pa.	21,685				1					
Cairo, Ill.	15,794	12	1		1					1
Chillicothe, Ohio.	15,470	2			20		1			
Coffeyville, Kans.	17,548		5		21		1		1	1
Concord, N. H.	22,669	13								2
Galesburg, Ill.	24,276	9			3					
Greenville, S. C.	18,181	3	2		10					
Hattiesburg, Miss.	16,482	3			21				1	
Kearny, N. J.	23,539		1	1	45		2			
Kokomo, Ind.	20,930	5								
La Fayette, Ind.	21,286		1				1			
Leavenworth, Kans.	19,363	1	1		8					
Long Branch, N. J.	15,395	6								
Marinette, Wis.	14,610	4	1							1
Melrose, Mass.	17,445	9	3	2			1			
Morristown, N. J.	13,284	8								
Nanticoke, Pa.	13,126	7			1				2	
New Albany, Ind.	23,629	6								
Newburyport, Mass.	15,243	6	1						1	

¹ Population Apr. 15, 1910; no estimate made.

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

City Reports for Week ended Jan. 12, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabitants—Continued.										
New London, Conn.....	20,985	7	5	.....	.....	.....	.....	.....	1	1
Newport News, Va.....	20,562	12	.....	.....	12	.....	.....	.....	2	2
North Adams, Mass.....	¹ 22,019	4	.....	.....	.....	.....	.....	.....	.....	1
Northampton, Mass.....	19,926	6	1	.....	.....	.....	2	.....	1	.....
Plainfield, N. J.....	23,805	7	5	.....	4	.....	.....	.....	2	2
Pontiac, Mich.....	17,524	8	2	.....	.....	.....	5	.....	1	1
Portsmouth, N. H.....	11,666	.....	1	.....	.....	.....	3	.....	.....	.....
Rocky Mount, N. C.....	12,067	4	.....	.....	2	.....	.....	.....	.....	.....
Rutland, Vt.....	14,831	7	.....	.....	1	.....	1	.....	.....	2
Sandusky, Ohio.....	20,193	3	2	.....	1	.....	.....	.....	1	.....
Saratoga Springs, N. Y.....	13,821	7	.....	.....	1	.....	1	.....	1	.....
South Bethlehem, Pa.....	24,204	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spartanburg, S. C.....	21,365	8	.....	.....	2	.....	1	.....	1	.....
Steelton, Pa.....	15,548	2	.....	.....	.....	.....	1	.....	.....	.....
Washington, Pa.....	21,618	.....	.....	.....	10	.....	.....	.....	.....	.....
Wilkinsburg, Pa.....	23,228	10	1	.....	12	.....	.....	.....	.....	.....
Woburn, Mass.....	15,969	5	.....	.....	.....	.....	.....	.....	.....	.....

¹ Population Apr. 15, 1910, no estimate made

FOREIGN.

CUBA.

Communicable Diseases—Habana.¹

Communicable diseases have been notified at Habana as follows:

Disease.	Dec. 21-31, 1917.		Remain- ing un- der treat- ment Dec. 31, 1917.	Disease.	Dec. 21-31, 1917.		Remain- ing un- der treat- ment Dec. 31, 1917.
	New cases.	Deaths.			New cases.	Deaths.	
Diphtheria.....	5	.....	4	Scarlet fever.....	1	.....	5
Leprosy.....	.....	.....	11	Smallpox.....	.....	.....	1
Malaria.....	24	.....	151	Typhoid fever.....	17	6	173
Measles.....	4	.....	5	Varicella.....	7	.....	6

¹ From the interior, 35.

² From the interior, 32.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER.

Reports Received During Week Ended Feb. 1, 1918.²

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Oct. 21-27.....	9	5	
Java:				
East Java.....	Oct. 28-Nov. 3....	1	1	
West Java.....				Nov. 9-29, 1917: Cases, 49; deaths, 24.
Batavia.....	Nov. 9-29.....	15	4	
Philippine Islands:				
Provinces.....				Dec. 2-8, 1917: Cases, 138; deaths, 138.
Bohol.....	Dec. 2-8.....	30	18	
Capiz.....	do.....	2	1	
Iloilo.....	do.....	43	70	
Leyte.....	do.....	3	4	
Mindanao.....	do.....	69	41	
Occidental Negros.....	do.....	20	14	
Oriental Negros.....	do.....	21	10	

PLAGUE.

Brazil:				
Bahia.....	Nov. 4-Dec. 15....	4	4	
India:				
Bombay.....	Oct. 21-27.....	25	23	
Java:				
East Java.....	Oct. 27-Nov. 10...	28	27	
Straits Settlements:				
Singapore.....	Nov. 11-24.....	2	2	

¹ Correction.—In table of communicable diseases occurring at Habana during the period Nov. 11-20, 1917, published in the Public Health Reports of Dec. 21, 1917, p. 2181, footnotes 2 and 3 should be transposed. The case of smallpox originated at Coruna, Spain, and of the 20 cases of typhoid fever, 6 were from the interior.

² From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received During Week Ended Feb. 1, 1918—Continued.****SMALLPOX.**

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
New South Wales.....				July 12-Nov. 20, 1917: Cases, 34.
Abermain.....	Oct. 25-Nov. 20.....	3		
Cessnock.....	July 12-Oct. 11.....	7		
Eumangla.....	Aug. 15.....	1		
Mungindi.....	Aug. 13.....	1		
Warren.....	July 12-Oct. 25.....	22		
Brazil:				
Bahia.....	Nov. 10-Dec. 8....	3		
Canada:				
British Columbia—				
Winnipeg.....	Dec. 30-Jan. 5....	1		
Ontario—				
Hamilton.....	Jan. 13-19.....	2		
Sarnia.....	Jan. 6-12.....	14		
China:				
Antung.....	Dec. 10-16.....	5	1	
Chungking.....	Nov. 25-Dec. 1....			Present. On Chinese Eastern Ry.
Hungtshotze Station.....	Oct. 29-Nov. 4....	1		
India:				
Bombay.....	Oct. 21-27.....	2	1	
Italy:				
Milan.....	October.....	2		
Turin.....	Nov. 26-Dec. 9....	46	4	
Java:				
East Java.....	Oct. 27-Nov. 10....	19		
Mid-Java.....	Oct. 31-Nov. 21....	30		
West Java.....	Nov. 9-29.....	103	15	
Philippine Islands:				
Manila.....	Dec. 2-8.....	2		
Spain:				
Seville.....	Nov. 1-30.....		17	
Straits Settlements:				
Singapore.....	Nov. 4-24.....	11	2	
Tunisia:				
Tunis.....	Dec. 14-20.....		1	

TYPHUS FEVER.

China:				
Antung.....	Dec. 10-16.....	6		
Great Britain:				
Glasgow.....	Dec. 21.....	1		
Greece:				
Saloniki.....	Nov. 25-Dec. 8....		17	
Java:				
East Java.....	Oct. 28-Nov. 15....	12	1	Oct. 31-Nov. 13, 1917: Cases, 20.
Mid-Java.....				
Samarang.....	Nov. 7-13.....	5		Nov. 9-23, 1917: Cases, 3.
West Java.....				
Batavia.....	Nov. 9-15.....	19	3	
Union of South Africa:				
Cape of Good Hope State..	Sept. 10-Nov. 4....	3,342	668	

Reports Received from Dec. 29, 1917, to Jan. 25, 1918.**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Antung.....	Nov. 26-Dec. 2....	3	1	
India:				
Bombay.....	Oct. 28-Nov. 3....	2	1	
Calcutta.....	Sept. 16-Oct. 27....		68	
Indo-China:				
Provinces.....				Sept. 1-30, 1917: Cases, 74; deaths, 37.
Anam.....	Sept. 1-30.....	13	10	
Cambodia.....	do.....	19	12	
Cochin-China.....	do.....	32	13	
Kwang-Chow-Wan.....	do.....	10	2	

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received from Dec. 29, 1917, to Jan. 25, 1918—Continued.****CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
West Java.....				
Batavia.....	Oct. 19-Nov. 8....	13	4	Oct. 19-Nov. 8, 1917: Cases, 19; deaths, 7.
Persia:				
Mazanderan Province—				
Astrabad.....	July 31.....			Present.
Barfrush.....	July 1-27.....	34	23	
Chahmirzad.....				25 cases reported July 31, 1917.
Chahrashtagh.....	June 15-July 25....	10	8	
Kharek.....	May 28-June 11....	21	13	
Sari.....	July 3-29.....	273	144	
Yekchambe-Bazar.....	June 3.....	6		
Philippine Islands:				
Provinces.....				
Antique.....	Nov. 18-24.....	32	23	Nov. 18-24, 1917: Cases, 262; deaths, 167.
Bohol.....	do.....	10	9	
Iloilo.....	do.....	57	38	
Leyte.....	do.....	4	3	
Mindanao.....	do.....	77	47	
Occidental Negros.....	do.....	47	30	
Oriental Negros.....	do.....	35	17	
Provinces.....				
Antique.....	Nov. 25-Dec. 1....	16	9	Nov. 25-Dec. 1, 1917: Cases, 251; deaths, 163.
Bohol.....	do.....	36	19	
Capiz.....	do.....	1	1	
Iloilo.....	do.....	67	10	
Leyte.....	do.....	3	2	
Mindanao.....	do.....	38	30	
Occidental Negros.....	do.....	71	47	
Oriental Negros.....	do.....	18	17	
Romblon.....	do.....	1	1	
Siam:				
Bangkok.....	Sept. 16-22.....	1	1	

PLAGUE.

British Gold Coast:				
Axim.....	Jan. 8.....			Present.
Ceylon:				
Colombo.....	Oct. 14-27.....	4	3	
Egypt:				
Port Said.....	July 23-29.....	1	2	Jan. 1-Nov. 15, 1917: Cases, 728; deaths, 398.
India:				
Bombay.....	Oct. 28-Nov. 3....	18	17	Sept. 16-Nov. 10, 1917: Cases, 98,758; deaths, 72,648.
Calcutta.....	Sept. 16-29.....		2	
Karachi.....	Oct. 21-Nov. 10....	6	5	
Madras Presidency.....	Oct. 31-Nov. 6....	1,555	1,209	
Mandalay.....	Oct. 14-20.....		20	
Rangoon.....	Oct. 21-27.....	9	10	
Indo-China:				
Provinces.....				
Anam.....	Sept. 1-30.....	12	11	Sept. 1-30, 1917: Cases, 34; deaths, 30.
Cambodia.....	do.....	12	11	
Cochin-China.....	do.....	10	8	
Saigon.....	Oct. 31-Nov. 18....	8	4	
Siam:				
Bangkok.....	Sept. 16-22.....	1	1	
Straits Settlements:				
Singapore.....	Oct. 28-Nov. 3....	1	3	

SMALLPOX.

Algeria:				
Algiers.....	Nov. 1-30.....	1		
Australia:				
New South Wales.....				Sept. 28-Dec. 5, 1917: Cases, 11.
Abermain.....	Oct. 25-Nov. 20....	3		
Cessnock.....	Sept. 28-Oct. 11....	3		Newcastle district.
Kurri Kurri.....	Dec. 5.....	1		
Warren.....	Oct. 12-13.....	3		

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received from Dec. 29, 1917, to Jan. 25, 1918—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Pernambuco.....	Nov. 1-15.....	1		
Rio de Janeiro.....	Sept. 30-Dec. 1.....	519	151	
Sao Paulo.....	Oct. 29-Nov. 4.....		2	
Canada:				
New Brunswick— Kent County.....	Dec. 4.....			Outbreak. On main line Canadian Ry., 25 miles north of Moncton.
Ontario—				
Hamilton.....	Dec. 16-22.....	1		
Sarnia.....	Dec. 9-15.....	1		
Windsor.....	Dec. 30-Jan. 5.....	1		
Quebec—				
Montreal.....	Dec. 16-Jan. 5.....	5		
Do.....	Jan. 6-12.....	1		
China:				
Amoy.....	Oct. 22-Nov. 4.....			Present.
Antung.....	Dec. 3-9.....	1	1	
Chungking.....	Nov. 11-17.....			Do.
Dairen.....	Nov. 18-24.....	1		
Harbin.....	May 14-June 30.....	20		Chinese Eastern Ry.
Do.....	July 1-Oct. 15.....	4		Do.
Manchuria Station.....	May 14-June 30.....	6		Do.
Do.....	July 1-Oct. 15.....	3		Do.
Mukden.....	Nov. 11-24.....			Present.
Shanghai.....	Nov. 18-Dec. 16.....	30	62	Cases, foreign; deaths among natives.
Tientsin.....	Nov. 11-Dec. 8.....	7		
Cuba:				
Habana.....	Jan. 7.....	1		Nov. 8, 1917: 1 case from Coruna, Dec. 5, 1917: 1 case, 6 miles distant from Habana.
Marianao.....	Jan. 8.....	1		
Egypt:				
Alexandria.....	Nov. 12-18.....	1		
Cairo.....	July 23-Aug. 5.....	5	1	
France:				
Lyon.....	Nov. 18-Dec. 16.....	6	3	
Great Britain:				
Birmingham.....	Nov. 11-17.....	19		
India:				
Madras.....	Oct. 31-Nov. 6.....	4	1	
Indo-China:				
Provinces.....				Sept. 1-30, 1917: Cases 198; deaths, 56.
Anam.....	Sept. 1-30.....	61	12	
Cambodia.....	do.....	7		
Cochin-China.....	do.....	124	44	
Tonkin.....	do.....	1		
Saigon.....	Oct. 29-Nov. 18.....	41	12	
Italy:				
Turin.....	Oct. 29-Nov. 25.....	77	116	
Castellamare.....	Dec. 10.....	2		Among refugees.
Florence.....	Dec. 1-15.....	17	4	
Naples.....	To Dec. 10.....	2		Do.
Java:				
Mid-Java.....	Oct. 10-30.....	25		
West Java.....				Oct. 19-Nov. 8, 1917: Cases, 50 deaths, 8.
Batavia.....	Nov. 2-8.....	1		
Mexico:				
Maratlan.....	Dec. 5-11.....		1	
Mexico City.....	Nov. 11-17.....	9		
Piedras Negras.....	Jan. 11.....	200		
Newfoundland:				
St. Johns.....	Dec. 8-Jan. 4.....	25		
Do.....	Jan. 5-11.....	14		
Philippine Islands:				
Manila.....	Oct. 23-Dec. 8.....	5		
Portugal:				
Lisbon.....	Nov. 4-10.....	1		
Portuguese East Africa:				
Lourenço Marques.....	Aug. 1-Sept. 30.....		4	
Russia:				
Moscow.....	Aug. 26-Oct. 6.....	22	2	
Petrograd.....	Aug. 31-Oct. 27.....	59	3	
Spain:				
Coruna.....	Dec. 2-15.....		4	
Seville.....	Oct. 1-30.....		9	
Venezuela:				
Maracaibo.....	Dec. 2-8.....		1	

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued.**Reports Received from Dec. 29, 1917, to Jan. 25, 1918—Continued.****TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Nov. 1-30.....	2		
Australia:				
South Australia.....				Nov. 11-17, 1917: Cases, 1.
Brazil:				
Rio de Janeiro.....	Oct. 28-Dec. 1....	7		
Canada:				
Ontario—				
Kingston.....	Dec. 2-8.....	3		
Quebec—				
Montreal.....	Dec. 16-22.....	2	1	
China:				
Antung.....	Dec. 3-9.....	5	1	
Chosen (Formosa):				
Seoul.....	Nov. 1-30.....	1		
Egypt:				
Alexandria.....	Nov. 8-25.....	110	44	
Cairo.....	July 23-Sept. 23...	23	8	
Port Said.....	July 30-Sept. 23...	3	3	
Great Britain:				
Manchester.....	Dec. 2-8.....	1		
Greece:				
Salonika.....	Nov. 11-24.....		19	
Japan:				
Nagasaki.....	Nov. 26-Dec. 16...	5	5	
Java:				
East Java.....				Oct. 15-21, 1917: Cases, 5; deaths, 2.
Mid-Java.....				Oct. 10-30, 1917: Cases, 22; deaths, 2.
Samarang.....	Oct. 17-30.....	4	1	
West Java.....				Oct. 19-Nov. 8, 1917: Cases, 33;
Jatavia.....	Oct. 19-Nov. 8....	22	4	deaths, 5.
Mexico:				
Aguascalientes.....	Dec. 15.....		2	
Mexico City.....	Nov. 11-Dec. 15...	337		
Russia:				
Archangel.....	Sept. 1-14.....	7	2	
Moscow.....	Aug. 26-Oct. 6....	49	2	
Petrograd.....	Aug. 31-Oct. 27...	22		
Vladivostok.....	Oct. 29-Nov. 4....	12	1	
Sweden:				
Goteborg.....	Nov. 18-24.....	1		
Tunisia:				
Tunis.....	Nov. 30-Dec. 6....		1	

X