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## STANDARDIZATION OF MUNICIPAL HEALTH ORGANIZATION.<sup>1</sup>

By ALLAN J. McLAUGHLIN, Assistant Surgeon General, United States Public Health Service.

Standardization of municipal health organizations involves a careful consideration of the aims and purposes of municipal health departments and of the scope of municipal health work. The question naturally arises, To what extent is standardization feasible and desirable? It is both feasible and desirable to standardize "objectives" in municipal health work; but standardization in detail of methods of procedure is extremely difficult, and in many instances may be undesirable. Fundamentals in public health work are the same for all cities, and may be standardized. These are the factors in the public health problem which are common to all cities. The general lines of procedure in achieving success in each fundamental objective can be standardized; but just as soon as we attempt to standardize details of procedure we meet tremendous obstacles and are quite as likely to produce chaos as order.

If we could build health departments *de novo* with unlimited funds, disregarding politics, tradition, and the provisions of city charters, laws, and ordinances, we would construct a very different organization from that which the reorganizing health officer is forced to accept as the best possible machine, considering all the circumstances.

The question of money is paramount in determining what kind of an organization should be installed. We must shape our garment according to the available cloth. It is true that money largely determines the total amount of work which may be done; but it is also true that to a great extent the health officer's sense of proportion, and of relative values, will determine the amount spent upon each factor and the total achievement in life-saving and disease prevention.

The health officer will meet difficulties in adjusting his appropriations according to his sense of proportion. He will find it difficult to discontinue or curtail expenditures which save little life and prevent little disease, if these expenditures are popular, traditional, and in accord with some of the peculiar fallacies which the layman still believes. He will find it extremely difficult to secure appropriations to initiate new work unless this work has been made popular and has the support of public opinion.

<sup>1</sup> Read at the meeting of the Council on Health and Public Instruction, American Medical Association, Chicago, Ill., Mar. 4, 1920.

As far as possible we should eliminate from health department appropriations the cost of street cleaning, collection and disposal of refuse and garbage, and housing and plumbing inspection, and secure the transfer of these activities to the appropriate department. Much of the nuisance problem and the regulation of offensive trades should be handled as a police matter. The health department should serve as an advisory and consulting authority in shaping the policy of police, public works, street cleaning, and other city departments toward these indirect health activities. Standardization by an authoritative agency will be of inestimable value to the health officer in having charged to other departments the cost of the indirect health activities which are often paid for out of health appropriations.

Let us consider, first, the aims of an ideal health department and the objectives which it seeks to attain, and then the fundamentals of organization.

The aims of health departments may be stated to be the eradication of preventable diseases, the elimination of corrigible physical and mental defects, and the maintenance of all individuals in the best possible physical and mental condition. In carrying out these aims we have as objectives:

The prevention of infant mortality;

The prevention and correction of physical and mental defects in the child; and

The prevention of preventable diseases.

To accomplish these aims and to attain these objectives we must consider the following fundamental parts in our health machine:

Administration.

Public Health Education.

Vital Statistics.

Sanitary Engineering.

Child Hygiene.

Food Inspection.

Industrial Hygiene.

Hospitals and Sick Relief.

Communicable Diseases.

This list of fundamentals is by no means complete or accurate for all cities. Some few cities have little need for industrial hygiene while others have a tremendous industrial problem. In the larger cities at least two of the communicable diseases, tuberculosis and venereal diseases, are important enough to justify special divisions. The best adjustment of inspection activities, medical, sanitary, and food inspection, can only be determined by careful study of each community. The same is true of hospitals and sick relief.

Standardization of the fundamentals of organization can be effected on a nation-wide basis, and a committee on standardization could formulate the general classes of work which should be undertaken in every municipal health department. Such a committee could also, to some extent, determine the general type of organization, as, for

example, one having a full-time health officer with advisory council, but the delimitation of the work into divisions can be done intelligently only after careful study of the individual city. No blanket rule for organization can be made to cover all branches of work, although some divisions are obviously essential in any city health department.

Besides the committee on standardization of fundamental activities, a very distinct service could be rendered by subcommittees upon each factor in the organization. For example, committees on vital statistics, child hygiene, communicable diseases, laboratories, industrial hygiene, public health education, sanitary engineering, and food inspection could determine how far it would be wise to go in standardization and how much should be left to individual study with special report.

As an example of the value of such standardization I may cite the possibilities in securing epidemiologic data in usable form by a proper employment of the vital statistics division and the regular field force of the department. There is ample machinery for collection of data in many departments, but this personnel is employed in securing and recording data which are useless for epidemiologic purposes and in many instances serve no practical purpose whatever. The standardization and simplification of report blanks and record cards could be effected by a committee, and this would go far toward correcting this defect.

I believe that the general lines of procedure can be more logically standardized upon a State than upon a National basis. I further believe that it would be better to leave the details of procedure to special surveys with report and recommendation for each city.

The committee on standardization can make very useful recommendations for the transfer of much of the work of abating nuisances, the collection and disposal of garbage and refuse, to other departments; but here again local conditions will determine how best to adjust the work in each city. I am inclined to the belief that beyond fundamentals, attempted standardization will yield inferior results to those obtained by careful individual studies of each city, with recommendations according to what is feasible.

Because of tradition, health officers are prone to consider the exercise of police power as their most important function, whereas much greater results can be secured by the exercise of the supervisory and coordinative function applied to all agencies, official and unofficial, which are engaged in health work.

In initiating new work, standardization will be of great assistance, but the health officer's greatest aid will often be the demonstrations made by voluntary unofficial agencies. Thus, in standardizing health departments, which really means reorganization of health

departments, the voluntary and unofficial agencies engaged in health work must be considered and their activities utilized to cover gaps in the official campaign.

Many unofficial agencies were pioneers in health problems, such as those of tuberculosis and infant mortality, at a time when health officials were unable, and in some cases, I regret to say, unwilling to expand over their own legitimate field. I believe in most instances the indifference of health officials to health problems in the field outside of that of the well-known "contagious" diseases was more apparent than real, and that their failure to preempt promptly this field was due in most instances to a lack of proper financial support.

The magnificent work of the unofficial agencies must be recognized and efforts must be made to correlate their work under official supervision until funds are available for taking over by the official agency of the strictly official part of their work. In a long experience with unofficial health agencies I have never known an instance where the unofficial body refused to recognize the powers of the official agency, and I have always found them ready to surrender official work to the proper agency when that agency was ready to take it up.

The greatest single defect in municipal health organization to-day is the lack of machinery for coordinating and utilizing voluntary and unofficial agencies in an official plan to insure team work. There has not been too much activity by voluntary and unofficial organizations, but there has been too little utilization and coordination of these agencies in a comprehensive plan having for its object the prevention of waste effort, duplication, and conflict. To secure coordination of these agencies some form of central advisory committee is essential, and in the larger cities the health center, with, perhaps, a subcommittee, will be found to be the most useful instrument for decentralizing and applying the principles of team work locally.

A standardizing committee on municipal health organization must, therefore, as its primary function, devise means of utilizing all existing voluntary unofficial agencies as an integral part of the official health machine, and recommend the changes in health department organization which are necessary to effect this result.

There should be only one health department within any legal jurisdiction; special health departments for any age-group or class of the population constitute an unwarranted encroachment upon the just powers of the health department.

It is futile to argue that boards of education should not do work in child hygiene for the particular group of school age, because they are already doing such work in many communities. The fact remains that all such work should be under the advisory supervision of the health department, although the carrying out of details may properly be done by the educational authorities according to the program of

the health department. The supervision of all health work must be conceded to the health authorities, and usurpation of this function by any agency should not be tolerated.

I have spoken of the value of the health center as a public health instrument. There is a very great need for standardization of the scope of work of health centers.

The term "health center" has been very loosely used as a name for everything from a milk station to a miniature health department. A real health center should be a complete health department. In a small city the health department should be the health center. In larger cities health centers should be established for the purpose of decentralizing official health activity and linking with it every agency carrying on public health activities within the area. It should also serve as a common headquarters in order to effect the closest cooperation with workers for sociologic and economic betterment.

To operate successfully, the health center must have official status, and in addition to the diagnostic and dispensary facilities, the public health nurses and other official personnel, it should house the liaison officers, when necessary or advisable, from unofficial or voluntary agencies. It must be remembered that one of the most useful results made possible by a properly conducted health center is the creation of a real community spirit which will furnish the popular support necessary for success in public health work.

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## **LIABILITY OF A CITY FOR ACTS COMMITTED BY ITS OFFICERS IN ENFORCING HEALTH LAWS.**

By DAVID ROBINSON, United States Public Health Service.

Hesitancy and reluctance are manifested by some city administrative and health officials in enforcing quarantine and isolation provisions of venereal disease control laws and ordinances. Reference is made particularly to the mayors, chiefs of police, and health officers who are in sympathy with the efforts of the State boards of health in cooperating with the United States Public Health Service in conducting the present campaign for control and eradication of syphilis, gonorrhoea, and chancroid.

The argument is urged by some officials of this class that in enforcing the provisions of the venereal disease control ordinances and laws, some day some one who has suffered legal injury to his or her rights "will bring a big damage suit against the city." Fear, lest the city be mulcted in damages, has caused these officials to be extremely timid in performing a duty devolving upon them by law.

In urging more thorough enforcement of the recently passed laws for the control of venereal diseases, the writer is not unmindful of the difficulties that sometimes arise from faulty administration of these

or other laws. Police and other officers, in enforcing the laws referred to, have no reason to, and should not be permitted to, violate existing law when so doing.

However, it is argued, police and other officers are given to human frailties, and by exercise of excessive zeal or through negligence or mistake will exceed the authority granted to them, to the injury of some one, and the city will be liable for damages to the injured person. It is also maintained that improper treatment of detention hospital inmates will make the city liable for the consequences. It is desired that persons receiving treatment in detention hospitals receive the best of care while so detained, and this article is not written in an effort to excuse anything less. But if, through unforeseen causes, a person so detained suffers injury, is the city liable in damages to the person so injured?

The right of a city to quarantine persons infected with contagious diseases as an incident of its police power, the right to administer treatment compulsorily to persons isolated in contagious disease hospitals in the effort to cure such persons and thereby reduce the city's burden in caring for them, and other correlated subjects, are beyond the scope of this article. Consideration is given here to the *city's liability* in the enforcement by its officers of venereal disease quarantine laws and the necessary action incident thereto.

A city is a public or municipal corporation, deriving its corporate powers from the State just as does a private corporation organized for profit. But, unlike a private corporation, a city exercises governmental or public functions. These can best be illustrated by the many ordinances enacted and enforced for the protection of the health, safety, and peace of its inhabitants. A city functions in a corporate or proprietary capacity as well as in a governmental capacity. The proprietary functions of a city are represented by the operation of waterworks and lighting plants, the collection of garbage, etc. In acting for the city in its proprietary capacity the employee or officer is its agent, and the city is liable for his negligent acts to the same degree as a private corporation would be under the same circumstances. On the contrary, when the city acts in its governmental capacity, it is *not* liable for the acts of its officers or employees. The great weight of authority upholds this position, and it can be considered as definitely decided in this country.

The enforcement of laws and ordinances against prostitution, the establishment and maintenance of contagious disease hospitals, the quarantine of persons infected with contagious diseases, and the enforcement of laws designed to prevent the spread of contagious diseases are all public and governmental functions, and a city is not liable for the acts of its employees in enforcing and administering said functions.

Many States are represented in the following authorities construing this point:

A city acting in its public capacity is not liable for negligence of its employees. *Behrmann v. City of St. Louis* (201 S. W. 547).

A city is not liable for the tortious acts of its officers in the enforcement of an ordinance enacted for the public good. *McConnell v. City of St. Charles* (204 S. W. 1075).

A municipal corporation, while enforcing a valid ordinance requiring citizens and residents of the city to submit to vaccination, is exercising a governmental power, and is not liable to a citizen who may sustain damage on account of impure vaccine matter administered to him by one of the officers or agents of such corporation. *Wyatt v. City of Rome* (31 S. E. 188, 105 Ga. 312, 42 L. R. A. 180, 70 Am. St. Rep. 41).

Under *Horner's Rev. St.* 1897, sections 7060 and 7061, giving control of the department of health and charities to three commissioners, who shall be practicing physicians, and placing in their charge the city hospital and the efficient regulation and management thereof, the board *acts for the public* and not as agent of the municipality in its corporate character; hence a city is not liable to a patient treated without charge at the city hospital, injured by the alleged unskillful treatment of a physician employed therein. *Williams v. City of Indianapolis* (60 N. E. 367, 26 Ind. App. 628).

A municipal corporation is not liable, in the absence of a statute imposing a liability, for the negligence of its officers in executing health regulations adopted for the purpose of preventing the spread of contagious diseases; for, while undertaking such duty, it is performing a governmental function. *Beeks v. Dickinson County* (108 N. W. 311, 131 Iowa 244, 6 L. R. A. (N. S.) 831).

Police officers are not the agents or servants of the city so as to render it responsible for their unlawful or negligent acts in the discharge of their official duties in the interest of the public. \* \* \*

Dillon (2 Dillon on Municipal Corporations) adds: "and accordingly a city is not liable for an assault and battery committed by its police officers though done in the attempt to enforce an ordinance of the city, nor for an arrest made by them which is illegal for want of a warrant." *Henry Rusher v. City of Dallas* (83 Texas 151).

Where the city acts as the agent of the State, it becomes the representative of sovereignty. It is not acting in the management of its private or corporate concerns, but in the interest of the public and as the guardian of the health, peace, convenience, and welfare of the public. Under such circumstances it is not liable for the acts of its officers or employees engaged in the execution of its ordinances. (2 Dillon on Mun. Corp. Sec. 925; *Culver v. City of Streator*, 22 N. E. 810; *Sarah Whitfield v. The City of Paris*, 84 Texas 431).

The enforcement of quarantine regulations and the establishment and maintenance of pest houses are peculiarly public functions, and a city is not answerable when damages are inflicted through the negligence and misconduct of its officers in their performance. *Geo. N. White v. City of San Antonio* (94 Texas 313).

Where a city, acting in its governmental capacity, passed ordinances for the care, at the pest house, of persons having contagious diseases, and for their removal thereto, the city could not be a participant in the negligent acts of its officers who had charge of the enforcement of such ordinances. *Turyman's Adm'r. v. Board of Councilmen of Frankfort* (78 S. W. 446, 117 Ky. 518, 25 Ky. Law Rep. 1620, 64 L. R. A. 572).

Kentucky statute 1903 section 3058, authorizes cities of second class to establish and enforce quarantine laws to prevent introduction and spread of contagious diseases, and establish hospitals, and section 2059 requires the city council to appoint a board of health, with the same powers within the city that the county board exercises throughout the county. It is held that a city in operating and maintaining such hospitals acts in a governmental capacity, and is therefore not liable for the torts of its officers in charge thereof in maltreating its inmates. *City of Lexington v. Batson's Adm'r.* (81 S. W. 264, 118 Ky. 489, 26 Ky. Law Rep. 363).

If the officers of a board of health do their work negligently, and thereby cause unnecessary damage, such officers, and not the city, are liable, if anyone is. *Webb v. Board of Health of City of Detroit* (74 N. W. 734, 116 Mich. 516, 5 Detroit Leg. N. 1, 72 Am. St. Rep. 541).

A city is not liable in damages to one who was arrested and detained under State law, on the ground of having been exposed to smallpox, where the officers acted properly and without malice, though the plaintiff may have suffered damage thereby. *Levin v. City of Burlington* (39 S. E. 822, 129 N. C. 184, 55 L. R. A. 396).

A city is not liable for damages arising from the act of its board of health in quarantining plaintiff's house and place of business. *Turner v. City of Toledo* (15 Ohio Cir. Ct. R. 627, 8 O. C. D. 196).

The duty of a municipal corporation to conserve the public health is governmental, and it is not liable for injuries inflicted while performing such duty.

A patient in a municipal isolation hospital contracted blood poisoning in a wound caused by getting a splinter from the floor in his foot. He sued the municipality, but the court decided that the municipality was not liable. *Butler v. Kansas City* (Feb. 12, 1917) 155 Pac. Rep. 12).

The duty of a municipal corporation to conserve the public health is governmental, and it is not liable for injuries inflicted while per-



forming such duty (6 McQuillin's Municipal Corporation, sec. 2669). Judge Dillon states the law as follows:

The power or even duty on the part of a municipal corporation to make provision for the public health and for the care of the sick and destitute appertains to it in its governmental or public, and not in its corporate, or, as it is sometimes called, private, capacity. And therefore where a city, under its charter, and the general law of the State enacted to prevent the spread of contagious diseases, establishes a hospital, it is not responsible to persons injured by reason of the misconduct of its agents and employees therein (4 Dillon's Municipal Corporations (5th Ed.), sec. 1661). *Fowle v. Common Council of Alexandria* (3 Pet. 398, 7 L. Ed. 719); *Maxmilian v. Mayor* (62 N. Y. 160, 164, 165, 20 Am. Rep. 468).

Also see the following:

*Pfefferle v. Commissioners of Lyon County* (39 Kans. 432, 18 Pac. 506);

*Thomas v. Ellis County* (91 Kans. 443, 138 Pac. 409);

*State v. Lawrence* (79 Kans. 234, 250, 100 Pac. 485);

*City of Caldwell v. Prunelle* (57 Kans. 511, 513, 46 Pac. 949, 950);

*Edson v. Olathe* (81 Kans. 328, 105 Pac. 521, 36 L. R. A. (N. S.) 861); rehearing denied, 82 Kans. 4, 107 Pac. 539, 36 L. R. A. (N. S.) 865;

*La Clef v. City of Concordia* (41 Kans. 323, 21 Pac. 272, 13 Am. St. Rep. 285);

*Evans v. Kankakee* (231 Ill. 223, 83 N. E. 223, 13 L. R. A. (N. S.) 1190);

*Sherbourne v. Yuba County* (21 Cal. 113, 81 Am. Dec. 151);

*City of Richmond v. Long's Adm'rs.* (17 Grat. (Va.) 375, 94 Am. Dec. 461);

*Summers v. Daviess County* (103 Ind. 262, 2 N. E. 725, 53 Am. Rep. 512);

*Murtaugh v. St. Louis* (44 Mo. 479);

*Barbour v. Ellsworth* (67 Me. 294);

*Lynch v. North Yakima* (37 Wash. 657, 80 Pac. 79, 12 L. R. A. (N. S.) 261. •

With the law on this important subject so well settled, it seems idle to urge an objection which is without merit to the enforcement of venereal disease quarantine laws.

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## BRITISH PROVISION FOR TUBERCULOUS EX-SOLDIERS.

Village Settlements Urged by a Recent Deputation to the Minister of Health.

A deputation representing the Interdepartmental Committee on Tuberculosis, the Papworth Tuberculosis Colony, and the Norfolk Branch of the British Red Cross Society, recently waited on the British Minister of Health to urge the establishment of village settle-

ments in connection with the treatment of ex-soldiers. The establishment of such settlements had previously been recommended in a report on the Interdepartmental Committee on Tuberculosis.

To quote from a memorandum issued March 25, 1920, by the British Ministry of Health:

"The case for the establishment of village settlements put before the Minister was, broadly, that sanatorium treatment for tuberculosis, even where accompanied by training in a suitable occupation, has been found to be inadequate as a means of combating the disease. The general experience has been that patients who return from a sanatorium to their homes and former occupations are unable permanently to earn a living or maintain their health. The interest both of the patients and of the community requires that patients should pass through a threefold course: First, of sanatorium treatment; second, of training; and third, of permanent settlement in suitable surroundings. The village settlement should be a natural development of the sanatorium and training colony, and the patient should be in a position to look forward to being able, on completion of his course of treatment and training, to take up his permanent residence in a settlement where, still in close touch with the sanatorium, he could work under conditions which would enable him to maintain his health, and have his family or dependents with him. In the settlement, the patient and his family would have to be housed, the necessary workshops and other buildings would have to be provided, and (in the case of the civilian) the patients' earnings would have to be supplemented; but the community would gain in the result by the prevention of the spread of infection, and the fact that the tuberculosis patient would remain a productive worker. As illustrating the results of establishing a village settlement on these lines, it was stated that at the Cambridgeshire Tuberculosis Colony, out of 30 cases who have passed from sanatorium treatment and training into the settlement there, not one had died in four years."

The Minister of Health, Dr. Addison, in replying to the deputation, referred not only to the matter of village settlements, but to the four main recommendations contained in the report of the Interdepartmental Committee, namely:

- "(1) That an increased capital grant should be given for the provision of sanatoria;
- "(2) That additional sanatorium accommodation for ex-soldiers should be provided;
- "(3) That increased provision should be made for training; and
- "(4) That village settlements should be established."

He stated that as regards (1), the capital had then been increased from £90 to £180 per bed (subject to a limit of three-fifths of the total cost).

With regard to (2) he said that since the issuance of the committee's report 7,000 additional beds had been provided or were then in course of being provided, largely as a result of the increased capital grant.

As to (3) he stated that negotiations were then proceeding with the authorities of a number of suitable sanatoria for the rapid provision of training facilities for 1,000 tuberculous ex-service men at an estimated cost of £250,000.

The following regarding village settlements is quoted from the memorandum of the Ministry:

"On the question of village settlements Dr. Addison assured the deputation of his good-will. There were, however, various difficulties to be overcome. The success of a village settlement would depend even more upon the personality of the man in charge than upon the material provision made. As regards finance, the provision of 10 settlements for not less than 200 patients each, as proposed by the Interdepartmental Committee, would, he considered, cost much more than the sum of £1,000,000 suggested by the committee. Again, as the Minister of Health, he could not consider only the case of the ex-soldier; he had to consider also the civilian population, who have no pensions to supplement their earnings. Further, the Cambridgeshire Tuberculosis Colony was managed by a voluntary organization; but in the establishment of further settlements it would be necessary to rely in the main upon local authorities.

"The problem was, therefore, one of much complexity; but a comprehensive scheme, dealing with all the various issues involved, was under discussion with the Treasury. There was, in addition, the important question of the situation of the projected settlements. On this, Dr. Addison intimated that Dr. Nathan Raw and Dr. Varrier Jones, members of the deputation, had kindly consented to undertake, in conjunction with a medical officer of the Ministry, a series of local investigations with a view to advising him on this matter."

**The Public Health Service is unable to supply the demand for bound copies of the Public Health Reports. Librarians and others receiving the Public Health Reports regularly should preserve them, as it will probably not be practicable to furnish bound copies on individual requests in the future.**

**DEATHS DURING WEEK ENDED APR. 17, 1920.**

[From the "Weekly Health Index," Apr. 20, 1920, issued by the Bureau of the Census, Department of Commerce.]

*Deaths from all causes in certain large cities of the United States during the week ended Apr. 17, 1920, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceding years.*

City.	Population July 1, 1918, estimated.	Week ended Apr. 17, 1920.		Average annual death rate per 1,000. <sup>2</sup>	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. <sup>1</sup>		Week ended Apr. 17, 1920.	Previous year or years. <sup>3</sup>
Albany, N. Y.....	* 113,344	32	14.7	C 22.7	6.3	C 10.2
Atlanta, Ga.....	201,732	48	12.4	C 25.1	6.2	C 10.3
Baltimore, Md.....	* 669,981	192	14.9	A 19.6	16.7	A 14.7
Birmingham, Ala.....	197,670	43	11.3	A 18.6	23.3	A 10.3
Boston, Mass.....	785,245	246	16.3	A 18.5	15.4	A 15.8
Buffalo, N. Y.....	473,229	153	16.9	C 19.5	20.9	C 18.1
Cambridge, Mass.....	111,432	38	17.8	A 16.7	34.2	A 17.7
Chicago, Ill.....	2,596,681	660	13.3	A 18.8	18.8	A 19.1
Cincinnati, Ohio.....	* 401,158	104	13.5	C 24.6	9.6	C 9.6
Cleveland, Ohio.....	810,306	185	11.9	C 17.2	14.1	C 16.5
Columbus, Ohio.....	225,296	74	17.1	C 19.2	10.8	C 10.8
Dayton, Ohio.....	* 153,630	36	12.2	C 17.6	5.6	C 4.5
Denver, Colo.....		81			11.1	
Detroit, Mich.....		286			18.9	
Fall River, Mass.....	128,392	25	10.2	C 18.7	32.0	C 32.6
Grand Rapids, Mich.....	135,450	28	10.8	C 17.3	14.3	C 8.9
Indianapolis, Ind.....	290,389	101	18.1	C 21.4	7.9	C 11.8
Jersey City, N. J.....	318,770	91	14.9	C 16.0	13.2	C 10.2
Kansas City, Mo.....	313,785	100	16.6	C 17.9	15.0	C 8.3
Los Angeles, Calif.....	568,495	147	13.5	A 12.8	10.9	A 8.6
Louisville, Ky.....	* 234,891	62	13.8	C 23.4	12.9	C 7.3
Lowell, Mass.....	109,081	45	21.5	A 19.1	26.7	A 20.2
Memphis, Tenn.....	* 162,351	61	19.6	C 20.9	9.8	C 9.7
Milwaukee, Wis.....	* 457,147	121	13.8	A 13.7	24.0	A 20.4
Minneapolis, Minn.....	* 380,498	93	12.7	C 19.2	14.0	C 11.3
Nashville, Tenn.....	* 118,342	31	13.7	C 36.3	16.1	C 14.5
Newark, N. J.....	428,684	111	13.5	C 19.0	20.7	C 19.9
New Haven, Conn.....	154,865	49	16.5	C 21.2	6.1	C 15.9
New Orleans, La.....	* 387,408	116	15.6	A 19.8	9.5	A 12.8
New York, N. Y.....	5,215,879	1,553	15.5	C 17.5	14.7	C 14.4
Oakland, Calif.....	214,206	44	10.7	A 10.4	9.1	A 8.4
Omaha, Nebr.....	180,264	54	15.6	C 13.0	20.4	C 17.8
Philadelphia, Pa.....	1,761,371	534	15.8	* 18.3	14.0	* 12.0
Pittsburgh, Pa.....	593,303	175	15.4	C 33.8	17.7	C 15.3
Portland, Oreg.....		60			13.3	C 7.8
Providence, R. I.....	263,613	62	12.3	C 20.2	19.4	C 18.6
Richmond, Va.....	160,719	61	19.8	C 22.4	13.1	C 18.8
Rochester, N. Y.....	264,856	53	10.4	C 15.2	17.0	C 16.9
St. Louis, Mo.....	* 773,000	224	15.1	C 16.0	7.1	C 11.7
St. Paul, Minn.....	* 234,595	65	14.4	C 13.6	16.9	C 10.4
San Francisco, Calif.....	478,530	139	15.1	C 20.6	4.3	C 6.9
Seattle, Wash.....		74			14.9	A 9.7
Spokane, Wash.....		31			9.7	C 15.8
Syracuse, N. Y.....	* 171,647	53	16.1	C 20.0	11.3	C 29.0
Toledo, Ohio.....	* 243,109	66	14.2	A 15.4	12.1	A 20.2
Washington, D. C.....	* 437,414	127	15.1	A 17.9	17.3	A 10.8

<sup>1</sup> Annual rates per 1,000 estimated population.

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

<sup>3</sup> 1920 enumeration, subject to revision.

<sup>4</sup> Population estimated as of July 1, 1919.

<sup>5</sup> Data are based on statistics of 1915, 1916, and 1917.

*Summary of information received by telegraph from industrial insurance companies for week ended Apr. 17, 1920.*

Policies in force.....	39,527,947
Number of death claims.....	8,045
Death claims per 1,000 policies in force, annual rate.....	10.6

# 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 STATE SUMMARIES.

#### Telegraphic Reports for Week Ended Apr. 24, 1920.

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

ALABAMA.		Cases.	CONNECTICUT.		Cases.
Chicken pox	.....	5	Chicken pox	.....	20
Diphtheria	.....	4	Diphtheria	.....	52
Diphtheria carriers	.....	5	German measles	.....	5
Influenza	.....	20	Influenza	.....	2
Measles	.....	42	Measles:		
Mumps	.....	3	Hartford County—Hartford	.....	30
Scarlet fever	.....	19	Litchfield County—Watertown	.....	12
Smallpox	.....	46	New Haven County—New Haven	.....	12
Tuberculosis (pulmonary)	.....	15	New London County—		
Whooping cough	.....	6	New London	.....	53
			Stonington	.....	8
			Scattering	.....	42
			Mumps	.....	15
			Pneumonia	.....	18
			Poliomyelitis—Hartford	.....	1
			Scarlet fever:		
			Fairfield County—Bridgeport	.....	8
			Litchfield County—Torrington	.....	12
			New Haven County—		
			New Haven	.....	17
			Waterbury	.....	32
			Tolland County—Vernon	.....	8
			Scattering	.....	32
			Tuberculosis	.....	43
			Typhoid fever	.....	3
			Whooping cough	.....	48
			DELAWARE.		
			Cerebrospinal meningitis:		
			Wilmington	.....	1
			Chicken pox	.....	1
			Diphtheria	.....	5
			Measles	.....	42
			Mumps	.....	1
			Pneumonia	.....	8
			Scarlet fever	.....	1
			Tuberculosis	.....	1
			FLORIDA.		
			Diphtheria	.....	3
			Influenza	.....	42
			Malaria	.....	3

FLORIDA—continued.

	Cases.
Pneumonia.....	54
Scarlet fever.....	2
Smallpox.....	15
Typhoid fever.....	11
GEORGIA.	
Cerebrospinal meningitis.....	3
Chicken pox.....	22
Diphtheria.....	11
Dysentery (bacillary).....	5
German measles.....	1
Hookworm.....	1
Influenza.....	458
Malaria.....	39
Measles.....	95
Mumps.....	1
Paratyphoid fever.....	1
Pneumonia.....	28
Scarlet fever.....	9
Septic sore throat.....	2
Smallpox.....	17
Trachoma.....	1
Tuberculosis (pulmonary).....	11
Typhoid fever.....	4
Whooping cough.....	48
ILLINOIS.	
Diphtheria:	
Chicago.....	145
Scattering.....	48
Influenza:	
Chicago.....	40
Scattering.....	4
Lethargic encephalitis:	
Chicago.....	3
Pneumonia:	
Chicago.....	221
Scattering.....	16
Poliomyelitis:	
Des Plaines.....	1
Freeport.....	1
Scarlet fever:	
Aurora.....	7
Chicago.....	22
Marshall.....	10
Rockford.....	7
Wilmette.....	9
Scattering.....	273
Smallpox:	
East Moline.....	10
Scattering.....	50
Typhoid fever.....	24
INDIANA.	
Cerebrospinal meningitis:	
White County.....	1
Diphtheria.....	21
Influenza:	
Tipton County.....	79
Scattering.....	26
Measles:	
Madison County.....	95
Marion County.....	854
Scattering.....	597
Scarlet fever:	
Elkhart County.....	39
Huntington County.....	28
Scattering.....	129
Smallpox.....	141

IOWA.

	Cases.
Chicken pox.....	7
Diphtheria.....	18
Measles:	
Council Bluffs.....	14
Davenport.....	12
Des Moines.....	20
Dubuque.....	13
Oelwein.....	8
Scattering.....	5
Scarlet fever:	
Boone County.....	12
Burlington.....	8
Clarion.....	7
Scattering.....	31
Smallpox:	
Davenport.....	10
Ottumwa.....	13
Scattering.....	48
Typhoid fever—Avoca.....	7
Whooping cough.....	2
KANSAS.	
Diphtheria.....	19
Influenza.....	34
Scarlet fever.....	54
Smallpox.....	129
LOUISIANA.	
Cerebrospinal meningitis.....	3
Diphtheria.....	7
Influenza.....	41
Scarlet fever.....	10
Smallpox.....	48
Typhoid fever.....	9
MARYLAND. <sup>1</sup>	
Diphtheria.....	41
Chicken pox.....	35
German measles.....	5
Influenza.....	61
Lethargic encephalitis.....	11
Malaria.....	4
Measles.....	419
Meningitis.....	4
Mumps.....	28
Pneumonia (all forms).....	87
Scarlet fever.....	56
Smallpox.....	7
Tuberculosis.....	72
Typhoid fever.....	5
Whooping cough.....	37
MASSACHUSETTS.	
Cerebrospinal meningitis.....	5
Chicken pox.....	63
Conjunctivitis (suppurative).....	7
Diphtheria.....	110
German measles.....	15
Malaria.....	1
Measles.....	914
Mumps.....	149
Ophthalmia neonatorum.....	15
Pellagra.....	1
Pneumonia (lobar).....	88
Scarlet fever.....	334
Septic sore throat.....	1
Tetanus.....	1

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

MINNESOTA.		Cases.	NEW YORK.	
			(Exclusive of New York City.)	
Smallpox .....		16	Cerebrospinal meningitis:	
<b>MISSISSIPPI.</b>			Catskill.....	1
Cerebrospinal meningitis.....		2	Dundee.....	1
Diphtheria.....		7	Rochester.....	1
Influenza.....		105	Diphtheria.....	111
Scarlet fever.....		1	Influenza.....	147
Smallpox.....		52	Measles.....	1,204
Typhoid fever.....		10	Pneumonia.....	243
<b>MONTANA.</b>			Scarlet fever.....	202
Diphtheria.....		6	Smallpox.....	4
Influenza.....		1	Typhoid fever:	
Measles.....		199	Schenectady.....	34
Scarlet fever.....		18	Scattering.....	31
Smallpox.....		21	Whooping cough.....	208
Typhoid fever.....		1	<b>NORTH CAROLINA.</b>	
<b>NEBRASKA.</b>			Cholera infantum.....	1
Cerebrospinal meningitis:			Diphtheria.....	14
Anselmo.....		1	German measles.....	2
Saline County.....		1	Measles.....	112
Chicken pox.....		2	Pneumonia (all forms).....	28
Diphtheria.....		11	Scarlet fever.....	9
Influenza.....		30	Smallpox.....	46
Measles:			Trachoma.....	1
Omaha.....		65	Typhoid fever.....	7
Randolph.....		15	Whooping cough.....	118
Scottsbluff.....		9	<b>OHIO.</b>	
Seward County.....		10	Diphtheria:	
Thurston County.....		12	Cincinnati.....	12
University Place.....		9	Scarlet fever:	
Winnebago.....		9	Akron.....	56
Scattering.....		43	Cincinnati.....	56
Mumps.....		1	Erie County—Florence Township.....	9
Scarlet fever:			Youngstown.....	7
Dannebrog.....		7	Smallpox:	
Omaha.....		24	Akron.....	9
St. Paul.....		12	Bucyrus.....	24
Scattering.....		40	Sandusky.....	5
Septic sore throat.....		1	Youngstown.....	14
Smallpox:			<b>SOUTH DAKOTA.</b>	
Oconto.....		7	Cerebrospinal meningitis.....	2
Omaha.....		11	Chicken pox.....	5
St. Paul.....		16	Diphtheria.....	9
Scattering.....		72	Influenza.....	4
Typhoid fever.....		4	Measles.....	180
Whooping cough.....		7	Pneumonia.....	4
<b>NEW JERSEY.</b>			Scarlet fever.....	60
Influenza.....		18	Smallpox.....	33
Pneumonia.....		190	Tuberculosis.....	1
<b>NEW MEXICO.</b>			Whooping cough.....	12
Chicken pox.....		7	<b>TEXAS.</b>	
Diphtheria.....		7	Cerebrospinal meningitis:	
Influenza.....		3	Travis County.....	1
Measles.....		61	Chicken pox.....	27
Mumps.....		15	Diphtheria.....	10
Pneumonia.....		6	Influenza—Dallas.....	10
Scarlet fever.....		12	Malaria—Dallas.....	9
Smallpox.....		9	Measles:	
Tuberculosis.....		38	Dallas.....	26
Typhoid.....		4	El Paso.....	10
Whooping cough.....		10	Scattering.....	5

**TEXAS—continued.**

	Cases.
Mumps.....	6
Pellagra.....	2
Pneumonia.....	13
Scarlet fever.....	6
Smallpox:	
Dallas.....	10
El Paso.....	2
Trachoma.....	2
Tuberculosis.....	16
Typhoid fever—Dallas.....	5
Whooping cough.....	5

**VERMONT.**

Chicken pox.....	16
Diphtheria.....	4
Influenza.....	5
Measles.....	96
Mumps.....	58
Pneumonia.....	4
Scarlet fever.....	6
Typhoid fever.....	2
Whooping cough.....	28

**WASHINGTON.**

Chicken pox.....	74
Diphtheria.....	14
Influenza.....	6
Measles.....	639
Mumps.....	38
Pneumonia.....	2
Scarlet fever.....	54
Smallpox.....	125
Tuberculosis.....	10
Typhoid fever.....	1
Whooping cough.....	57

**WEST VIRGINIA.**

	Cases.
Diphtheria.....	13
Measles:	
Beckley.....	8
Clarksburg.....	20
Fairmont.....	10
Parkersburg.....	30
Wheeling.....	83
Scattering.....	25
Scarlet fever.....	13
Smallpox:	
Grafton.....	11
Scattering.....	12
Typhoid fever.....	9

**WISCONSIN.**

Milwaukee:	
Cerebrospinal meningitis.....	4
Chicken pox.....	18
Diphtheria.....	14
Influenza.....	1
Measles.....	237
Rubella.....	1
Scarlet fever.....	26
Smallpox.....	19
Tuberculosis.....	16
Typhoid fever.....	1
Whooping cough.....	56
Scattering:	
Chicken pox.....	23
Diphtheria.....	21
Influenza.....	6
Measles.....	407
Pollomyelitis.....	1
Scarlet fever.....	114
Smallpox.....	85
Tuberculosis.....	10
Typhoid fever.....	3
Whooping cough.....	38

**Kentucky Report for Week Ended Apr. 17, 1920.**

	Cases.
Cerebrospinal meningitis:	
Green County.....	1
Jefferson County.....	1
Chicken pox.....	12
Diphtheria:	
Jefferson County.....	7
Scattering.....	6
Dysentery.....	3
German measles.....	1
Influenza:	
Allen County.....	32
Gallatin County.....	20
Logan County.....	48
Scattering.....	75
Lethargic encephalitis:	
Jefferson County.....	1
Malaria.....	5
Measles:	
Campbell County.....	16
Franklin County.....	13
Jefferson County.....	26
Kenton County.....	33

	Cases.
Measles—Continued.	
Lewis County.....	11
McCracken County.....	11
Muhlenburg County.....	19
Scattering.....	57
Mumps.....	11
Pneumonia.....	48
Scarlet fever:	
Jefferson County.....	9
Kenton County.....	14
Scattering.....	18
Septic sore throat.....	2
Smallpox:	
Bell County.....	11
Scattering.....	41
Tonsillitis.....	3
Trachoma.....	3
Tubercular meningitis.....	1
Tuberculosis.....	23
Typhoid fever.....	9
Whooping cough.....	31



**SUMMARY OF CASES REPORTED MONTHLY BY STATES.**

Tables showing, by counties, the reported cases of cerebrospinal meningitis, influenza, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of these diseases. (See names of these and other diseases in the table of contents.)

The following monthly State reports include only those which were received during the current week. These reports appear each week as received.

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1920.										
California (March).....	13	515	7,944	41	2,263	.....	1	369	491	47
Florida (March).....	3	14	1,731	107	32	11	.....	12	13	28
Indiana (March).....	5	133	3,080	.....	2,681	.....	1	674	615	27
Louisiana (March).....	9	39	6,419	11	67	6	1	35	283	31
Maryland (March).....	6	213	4,147	.....	1,595	.....	1	355	31	20
Minnesota (February).....	8	187	24,607	.....	708	.....	2	249	423	19
New Jersey (March).....	11	485	1,055	5	4,547	.....	.....	495	32	25
North Carolina (March).....	19	115	.....	.....	312	.....	1	120	475	6
Rhode Island (March).....	.....	177	242	.....	147	.....	1	123	1	.....
South Dakota (March).....	2	32	.....	.....	321	.....	.....	171	119	.....
West Virginia (March).....	10	109	3,052	.....	441	.....	1	167	289	34
Wisconsin (March).....	18	217	1,523	.....	2,047	.....	.....	627	532	14

**ANTHRAX.**

Providence, R. I.—March, 1920.

During March, 1920, one case of anthrax was reported at Providence, R. I.

**BEBERIBERI.**

California—March, 1920.

During March, 1920, two cases of beriberi were reported in California.

**CEREBROSPINAL MENINGITIS.**

State Reports for February and March, 1920.

Place.	New cases reported.	Place.	New cases reported.
California (March):		Indiana (March):	
Alameda County.....	1	Dekalb County.....	1
Oakland.....	2	Jay County.....	1
Contra Costa County—		Marion County.....	1
Concord.....	1	Shelby County.....	1
Fresno County.....	1	Wabash County.....	1
Los Angeles County—		Total.....	5
Los Angeles.....	3	Louisiana (March):	
Orange County.....	1	Lafayette Parish.....	1
San Diego County—		Orleans Parish.....	4
San Diego.....	1	Rapides Parish.....	1
San Francisco County—		Vernon Parish.....	3
San Francisco.....	1	Total.....	9
United States naval station.....	1	Maryland (March):	
Tulare County.....	1	Baltimore.....	6
Total.....	13	Minnesota (February):	
Florida (March):		Hennepin County—	
Dade County.....	1	Minneapolis.....	5
Miami.....	1	Ramsey County—	
Escambia County.....	1	St. Paul.....	1
Total.....	3		

**CEREBROSPINAL MENINGITIS—Continued.**

**State Reports for February and March, 1920—Continued.**

Place.	New cases reported.	Place.	New cases reported.
<b>Minnesota (February)—Continued.</b>		<b>North Carolina—Continued.</b>	
Rock County—		Wake County.....	1
Denver Township.....	1	Wayne County.....	1
St. Louis County—		Yadkin County.....	1
Duluth.....	1	<b>Total.....</b>	<b>19</b>
<b>Total.....</b>	<b>8</b>	<b>South Dakota (March):</b>	
<b>New Jersey (March):</b>		Minnehaha County.....	1
Essex County.....	4	Tripp County.....	1
Hudson County.....	3	<b>Total.....</b>	<b>2</b>
Mercer County.....	2	<b>West Virginia (March):</b>	
Middlesex County.....	1	Fayette County.....	1
Union County.....	1	Gilmer County.....	7
<b>Total.....</b>	<b>11</b>	Marion County.....	1
<b>North Carolina (March):</b>		Mingo County.....	1
Anson County.....	1	<b>Total.....</b>	<b>10</b>
Durham County.....	2	<b>Wisconsin (March):</b>	
Edgecombe County.....	2	Brown County.....	1
Franklin County.....	1	Chippewa County.....	3
Gaston County.....	1	Dane County.....	1
Granville County.....	1	Eau Claire County.....	2
Johnston County.....	1	Milwaukee County.....	8
Lee County.....	1	Portage County.....	1
New Hanover County.....	1	Racine County.....	1
Northampton County.....	1	Rock County.....	1
Onslow County.....	1	<b>Total.....</b>	<b>18</b>
Orange County.....	2		
Swala County.....	1		

**City Reports for Week Ended Apr. 10, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....	1		Los Angeles, Calif.....	1	
Aurora, Ill.....	1		Lynn, Mass.....		1
Baltimore, Md.....	1		Memphis, Tenn.....	1	1
Biddeford, Me.....		1	Milwaukee, Wis.....	2	2
Bridgeport, Conn.....		1	Minneapolis, Minn.....	1	
Buffalo, N. Y.....		3	New York, N. Y.....	10	2
Chicago, Ill.....	1		Passaic, N. J.....		1
Detroit, Mich.....		1	Philadelphia, Pa.....	6	1
Durham, N. C.....		1	Pittsburgh, Pa.....	2	
Grand Rapids, Mich.....	1	1	Providence, R. I.....	1	
Highland Park, Mich.....	1		Savannah, Ga.....	1	
Houston, Tex.....	1		Springfield, Mass.....	1	1
Lima, Ohio.....	1	1	Waterbury, Conn.....	1	1
Little Rock, Ark.....	1				

**DIPHThERIA.**

See Telegraphic weekly reports from States, p. 1047; Monthly summaries by States, p. 1051; and Weekly reports from cities, p. 1067.

**GLANDERS.**

**South Dakota—March, 1920.**

During March, 1920, one case of glanders was reported in South Dakota.

## INFLUENZA.

## State Reports for February and March, 1920.

Place.	New cases reported.	Place.	New cases reported.
California (March).....	7,944	Minnesota (February)—Continued.	
Maryland (March):		Itasca County.....	499
Baltimore.....	652	Jackson County.....	34
Allegany County.....	259	Kanabec County.....	39
Anne Arundel County.....	185	Kandiyohi County.....	166
Baltimore County.....	150	Kittson County.....	74
Calvert County.....	16	Koochiching County.....	255
Caroline County.....	126	Lac qui Parle County.....	60
Carroll County.....	183	Lake County.....	93
Cecil County.....	184	Le Sueur County.....	344
Charles County.....	102	Lincoln County.....	176
Dorchester County.....	543	Lyon County.....	100
Frederick County.....	74	McLeod County.....	213
Garrett County.....	89	Mahnomen County.....	220
Harford County.....	185	Marshall County.....	145
Howard County.....	60	Martin County.....	409
Kent County.....	37	Meeker County.....	134
Montgomery County.....	168	Mille Lacs County.....	25
Prince Georges County.....	249	Morrison County.....	102
Queen Annes County.....	86	Mower County.....	176
St. Marys County.....	57	Murray County.....	189
Somerset County.....	66	Nicollet County.....	116
Talbot County.....	111	Nobles County.....	130
Washington County.....	109	Norman County.....	135
Wicomico County.....	147	Olmsted County.....	309
Worcester County.....	309	Ottertail County.....	678
Total.....	4,147	Pennington County.....	156
Minnesota (February):		Pine County.....	187
Aitkin County.....	67	Pipestone County.....	264
Anoka County.....	46	Polk County.....	760
Becker County.....	281	Pope County.....	215
Beltrami County.....	87	Ramsey County.....	15
Benton County.....	43	St. Paul.....	801
Big Stone County.....	182	Red Lake County.....	12
Blue Earth County.....	882	Redwood County.....	328
Brown County.....	190	Renville County.....	255
Carlton County.....	129	Rice County.....	309
Carver County.....	36	Rock County.....	344
Cass County.....	314	Roseau County.....	111
Chippewa County.....	372	St. Louis County.....	1,866
Chisago County.....	220	Duluth.....	726
Clay County.....	103	Scott County.....	209
Clearwater County.....	5	Sherburne County.....	165
Cook County.....	20	Sibley County.....	106
Cottonwood County.....	88	Stearns County.....	615
Crow Wing County.....	367	Steele County.....	261
Dakota County.....	422	Stevens County.....	47
Dodge County.....	230	Swift County.....	220
Douglas County.....	250	Todd County.....	496
Faribault County.....	216	Travers County.....	22
Fillmore County.....	450	Wabasha County.....	226
Freeborn County.....	54	Wadena County.....	5
Goodhue County.....	141	Waseca County.....	292
Grant County.....	192	Washington County.....	171
Hennepin County.....	332	Watsonwan County.....	821
Minneapolis.....	2,470	Wilkin County.....	158
Houston County.....	313	Winona County.....	272
Hubbard County.....	22	Wright County.....	627
Isanti County.....	58	Yellow Medicine County.....	142
		Total cases.....	24,607

INFLUENZA—Continued.

City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.	1		Minneapolis, Minn.	3	
Anniston, Ala.	1		Mobile, Ala.	1	
Atlanta, Ga.	1	3	Montclair, N. J.	1	
Baltimore, Md.	36	4	Montgomery, Ala.		2
Binghamton, N. Y.	12		Mount Vernon, N. Y.	1	1
Birmingham, Ala.		5	Nashville, Tenn.		8
Boston, Mass.	13	2	Newark, N. J.	6	1
Brazil, Ind.		1	New Haven, Conn.		4
Buffalo, N. Y.	1		New Orleans, La.		3
Cadillac, Mich.	2		New York, N. Y.	68	21
Chattanooga, Tenn.		1	Oakland, Calif.		2
Chicago, Ill.	28	4	Oklahoma City, Okla.		1
Cincinnati, Ohio.	3	7	Parsons, Kans.	1	
Cleveland, Ohio.	7	6	Passaic, N. J.	3	
Columbus, Ohio.		2	Paterson, N. J.	4	
Covington, Ky.	3		Petersburg, Va.	4	
Cumberland, Md.	5	1	Philadelphia, Pa.	5	5
Dallas, Tex.	29	2	Plainfield, N. J.	1	
Danville, Ill.	1		Portland, Oreg.	1	
Denver, Colo.		2	Providence, R. I.	3	
Detroit, Mich.		7	Pueblo, Colo.		1
Durham, N. C.		1	Quincy, Ill.		2
Elizabeth, N. J.		2	Reno, Nev.	7	
Everett, Mass.	1		Riverside, Calif.	25	
Flint, Mich.		1	Rochester, N. Y.	2	3
Fresno, Calif.	1		Rome, Ga.	12	
Haverhill, Mass.	1		Sacramento, Calif.	1	1
Houston, Tex.		5	St. Cloud, Minn.	2	
Indianapolis, Ind.	4		St. Joseph, Mo.		1
Jamestown, N. H.	3		St. Louis, Mo.	8	
Kalamazoo, Mich.		1	St. Paul, Minn.		2
Kansas City, Kans.	1		Salt Lake City, Utah		2
Kansas City, Mo.	1	1	San Diego, Calif.	4	
Lawrence, Mass.	1		San Francisco, Calif.	12	6
Leominster, Mass.	1		Saratoga Springs, N. Y.	1	
Little Rock, Ark.	5		Savannah, Ga.		1
Long Beach, Calif.	1		Sioux Falls, S. Dak.		1
Lorain, Ohio.	1		Somerville, Mass.	1	
Los Angeles, Calif.	16		Toledo, Ohio.		2
Louisville, Ky.	2		Topeka, Kans.	4	
Lowell, Mass.	1		Trenton, N. J.	12	1
Lynn, Mass.		1	Troy, N. Y.		1
Madison, Wis.	1		Washington, D. C.	4	2
Malden, Mass.	1		Watertown, N. Y.		1
Marion, Ind.	1		Wausau, Wis.	1	
Marose, Mass.	1		Winston-Salem, N. C.		1
Memphis, Tenn.		1	Worcester, Mass.	4	
Middletown, N. Y.	1				

LEPROSY.

California and Florida—March, 1920:

During March, 1920, there were reported one case of leprosy at Alviso, Santa Clara County, Calif., one at Crystal River, Fla., and two at Tampa, Fla.

LETHARGIC ENCEPHALITIS.

California, Maryland, and Rhode Island.

During March, 1920, one case of lethargic encephalitis was reported in California, six cases were reported in Maryland, and three cases were reported in Rhode Island.

## MALARIA.

## State Reports for March, 1920.

Place.	New cases reported.	Place.	New cases reported.
<b>California:</b>		<b>Florida—Continued.</b>	
Alameda County—		Tampa .....	3
Berkeley.....	1	Jackson County.....	2
Chico County—		Jefferson County.....	1
Chico.....	1	Lafayette County.....	2
Colusa County—		Leon County.....	2
Colusa.....	1	Levy County.....	3
Fresno County.....	2	Madison County.....	4
Reedley.....	1	Marion County.....	3
Glenn County—		Key West.....	1
Orland.....	1	Nassau County.....	1
Los Angeles County—		Polk County.....	5
Long Beach.....	1	Putnam County.....	1
Modoc County—		Suwanee County.....	3
Alturas.....	1	Taylor County.....	3
Sacramento County.....	1	Total.....	107
San Francisco County—		<b>Louisiana:</b>	
United States Naval Station.....	27	Avoyelles Parish.....	1
Shasta County.....	2	East Carroll Parish.....	2
Redding.....	2	Evangeline Parish.....	1
Total.....	41	Grant Parish.....	1
<b>Florida:</b>		Iberville Parish.....	1
Alachua County.....	4	Linco'n Parish.....	1
Bay County.....	1	Ouachita Parish.....	1
Broward County.....	3	Richland Parish.....	1
Calhoun County.....	1	West Feliciana Parish.....	2
Citrus County.....	44	Total.....	11
Columbia County.....	1	<b>New Jersey:</b>	
Dade County.....	1	Essex County.....	2
Miami.....	1	Hudson County.....	1
Jacksonville.....	7	Mercer County.....	2
Escambia County.....	1	Total.....	5
Pensacola.....	2		
Gadsden County.....	4		
Hernando County.....	2		
Hillsboro County.....	1		

## City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....	4		Memphis, Tenn.....	1	1
Dallas, Tex.....	5		San Francisco, Calif.....	1	1
Detroit, Mich.....		1	Savannah, Ga.....	1	1

## MEASLES.

See Telegraphic weekly reports from States, p. 1047; Monthly summaries by States, p. 1051; and Weekly reports from cities, p. 1067.

## PELLAGRA.

## Florida and Louisiana—March, 1920.

Place.	New cases reported.	Place.	New cases reported.
<b>Florida:</b>		<b>Florida—Continued.</b>	
Dade County—		Volusia County.....	1
Miami.....	1	Total.....	11
De Soto County.....	1	<b>Louisiana:</b>	
Duval County—		East Carroll Parish.....	1
Jacksonville.....	1	Orleans Parish.....	3
Escambia County—		Richland Parish.....	2
Pensacola.....	1	Total.....	6
Gadsden County.....	1		
Hillsborough County—			
Tampa.....	4		
Palm Beach County.....	1		

PELLAGRA—Continued.

City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Columbus, Ga.	1		Nashville, Tenn.		1
Dallas, Tex.	2		New Orleans, La.	1	
Macon, Ga.	1	1	Raleigh, N. C.		1
Memphis, Tenn.		1	Winston-Salem, N. C.		1
Montgomery, Ala.		1			

PLAGUE.

California.

The isolated case of human plague reported in Public Health Reports for April 23, page 1006, was confirmed by bacteriological examination on April 26.

PNEUMONIA (ALL FORMS).

City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio	9		Durham, N. C.	1	
Alameda, Calif.	3	2	East Chicago, Ind.		5
Albany, N. Y.	11		East Orange, N. J.	1	2
Alton, Ill.	1	1	East St. Louis, Ill.		2
Ann Arbor, Mich.		1	Elgin, Ill.		2
Anniston, Ala.	2		Elizabeth, N. J.		5
Ashtabula, Ohio	3		Elmira, N. Y.	1	
Atlanta, Ga.		9	El Paso, Tex.		16
Atlantic City, N. J.	1	1	Everett, Mass.	1	
Aurora, Ill.	1		Fall River, Mass.	6	3
Austin, Tex.		1	Findlay, Ohio	1	
Baltimore, Md.	52	26	Flint, Mich.	1	4
Barberton, Ohio	1		Fort Wayne, Ind.		1
Berlin, N. H.		1	Fort Worth, Tex.	5	5
Beverly, Mass.	1	1	Freeport, Ill.		1
Biddeford, Me.	2	3	Fresno, Calif.		1
Billings, Mont.		1	Galesburg, Ill.		1
Binghamton, N. Y.	4		Gardner, Mass.	1	1
Birmingham, Ala.		3	Gary, Ind.		2
Bloomfield, N. J.	3		Glens Falls, N. Y.		1
Bloomington, Ill.		1	Grand Rapids, Mich.	9	5
Boston, Mass.	19	29	Great Falls, Mont.	2	1
Bridgeport, Conn.		6	Greenfield, Mass.		1
Bristol, Conn.	2	1	Greenwich, Conn.	1	
Buffalo, N. Y.		26	Hackensack, N. J.	2	2
Burlington, Vt.		2	Hammond, Ind.		2
Butte, Mont.		3	Harrison, N. J.	1	
Cairo, Ill.		1	Hartford, Conn.	4	
Cambridge, Mass.	3	1	Haverhill, Mass.	3	
Canton, Ohio.		4	Highland Park, Mich.	7	3
Charleston, S. C.		2	Hoboken, N. J.	2	3
Chattanooga, Tenn.		2	Holyoke, Mass.	1	4
Cheyenne, Wyo.	2	2	Hot Springs, Ark.		1
Chicago, Ill.	259	82	Huntington, W. Va.		1
Chillicothe, Ohio.	1		Independence, Mo.	2	2
Cincinnati, Ohio.	5	12	Indianapolis, Ind.		12
Cleveland, Ohio.	47	36	Ironton, Ohio.	1	
Coffeyville, Kans.	1		Jacksonville, Ill.		1
Columbia, S. C.	1		Jamestown, N. Y.		2
Columbus, Ga.	1	1	Jersey City, N. J.	9	
Columbus, Ohio.		5	Kalamazoo, Mich.	3	3
Concord, N. H.		4	Kankakee, Ill.	1	
Cortland, N. Y.	2		Kansas City, Kans.	5	
Covington, Ky.		4	Kansas City, Mo.	17	16
Cumberland, Md.	3	5	Kearny, N. J.	2	2
Dallas, Tex.	7	1	Keene, N. H.	1	
Danville, Ill.		5	Kewanee, Ill.		1
Decatur, Ill.	2	3	Kokomo, Ind.		1
Denver, Colo.		10	Lackawanna, N. Y.	5	1
Detroit, Mich.	34	58	Lake Charles, La.		1
Duluth, Minn.	1	1	Lancaster, Ohio.		1

## PNEUMONIA (ALL FORMS)—Continued.

## City Reports for Week Ended Apr. 10, 1920—Continued.

Place.	Cases.	Deaths	Place.	Cases.	Deaths.
La Salle, Ill.		3	Portsmouth, N. H.	1	
Lawrence, Kans.		1	Poughkeepsie, N. Y.		1
Lawrence, Mass.	2	1	Providence, R. I.	6	12
Leominster, Mass.	2		Pueblo, Colo.		2
Lexington, Ky.	2	3	Quincy, Ill.	3	2
Lincoln, Nebr.	1	3	Raleigh, N. C.		1
Little Rock, Ark.	5		Redlands, Calif.		1
Long Beach, Calif.	1	2	Reno, Nev.	1	2
Lorain, Ohio.	2	1	Richmond, Ind.		2
Los Angeles, Calif.	43	17	Richmond, Va.		2
Louisville, Ky.	5	10	Riverside, Calif.	1	
Lowell, Mass.	1	6	Roanoke, Va.		1
Lynchburg, Va.	2	2	Rochester, N. Y.	30	13
Lynn, Mass.	3	1	Rockford, Ill.	7	2
Malden, Mass.		1	Rock Island, Ill.	1	
Manchester, N. H.	3	3	Rome, N. Y.	3	
Mankato, Minn.	1		Rutland, Vt.		1
Marion, Ind.		2	Sacramento, Calif.	1	2
Memphis, Tenn.		10	Saginaw, Mich.	3	1
Methuen, Mass.		1	St. Joseph, Mo.		4
Middletown, N. Y.	4		St. Paul, Minn.		6
Middletown, Ohio.		1	Salem, Mass.	5	1
Milwaukee, Wis.		21	Salem, Ore.		2
Minneapolis, Minn.		8	Salt Lake City, Utah.		4
Mobile, Ala.		2	San Diego, Calif.	1	1
Montclair, N. J.	2		Sandusky, Ohio.	1	
Montgomery, Ala.	2	3	San Francisco, Calif.	9	4
Morristown, N. J.	2	3	Santa Barbara, Calif.		2
Moundsville, W. Va.	3	3	Saratoga Springs, N. Y.	2	1
Mount Vernon, N. Y.	4	2	Sault Ste. Marie, Mich.	3	
Muncie, Ind.		2	Savannah, Ga.		6
Muscatine, Iowa.		1	Schenectady, N. Y.	4	3
Nashua, N. H.		1	Sioux Falls, S. Dak.		2
Nashville, Tenn.		5	Somerville, Mass.	1	
Newark, N. J.	93	15	South Bend, Ind.		1
New Bedford, Mass.	3	7	Spartanburg, S. C.		1
New Britain, Conn.		1	Springfield, Ill.	1	
Newburyport, Mass.	1	1	Springfield, Mo.		2
New Haven, Conn.		13	Springfield, Ohio.		3
New London, Conn.		1	Stockton, Calif.		3
New Orleans, La.		5	Terre Haute, Ind.		1
New York, N. Y.	501	201	Toledo, Ohio.		4
Niagara Falls, N. Y.	3	3	Topeka, Kans.	1	2
North Tonawanda, N. Y.	1	2	Trenton, N. J.	16	6
Norwalk, Conn.		2	Troy, N. Y.	2	3
Oakland, Calif.	2	5	Vallejo, Calif.		1
Oak Park, Ill.	2	1	Waco, Tex.	1	1
Oklahoma City, Okla.		4	Waltham, Mass.	2	1
Omaha, Nebr.		4	Washington, D. C.		15
Orange, N. J.	8	2	Waterbury, Conn.	1	1
Paducah, Ky.	1		Watertown, N. Y.	1	4
Passaic, N. J.	1	4	West Hoboken, N. J.		2
Paterson, N. J.	5		West New York, N. J.		1
Peoria, Ill.		4	West Orange, N. J.	1	
Philadelphia, Pa.	129	66	White Plains, N. Y.	2	2
Phillipsburg, N. J.	1	1	Wichita, Kans.	3	
Piqua, Ohio.		1	Wilmington, Del.		8
Pittsfield, Mass.	1	4	Wilmington, N. C.		2
Plainfield, N. J.	4		Winchester, Mass.	1	
Plattsburg, N. Y.		1	Winston-Salem, N. C.	2	1
Pontiac, Mich.	3		Winthrop, Mass.	1	1
Port Huron, Mich.		1	Worcester, Mass.		9
Portland, Me.		1	Yonkers, N. Y.	8	5
Portland, Oreg.		5			

**POLIOMYELITIS (INFANTILE PARALYSIS).**

**State Reports for February and March, 1920.**

Place.	New cases reported.	Place.	New cases reported.
California (March):		Minnesota (February):	
San Francisco.....	1	Hennepin County—	
Indiana (March):		Minneapolis.....	2
DeKalb County.....	1	North Carolina (March):	
Louisiana (March):		Gates County.....	1
Rapides Parish.....	1	Rhode Island (March):	
Maryland (March):		Providence.....	1
Charles County—		West Virginia (March):	
La Plata.....	1	Mercer County.....	1

**City Reports for Week Ended Apr. 10, 1920.**

During the week ended April 10, 1920, one case of poliomyelitis was reported at Asbury Park, N. J., one case was reported at New York, N. Y., and one death was reported at Salt Lake City, Utah.

**RABIES IN ANIMALS.**

**Omaha, Nebr., Rome, Ga., and Tuscaloosa, Ala.**

During the week ended April 10, 1920, one case of rabies in animals was reported at Omaha, Nebr., one at Rome, Ga., and one at Tuscaloosa, Ala.

**RABIES IN MAN.**

**Omaha, Nebr.—Week Ended Apr. 10, 1920.**

During the week ended April 10, 1920, one death from rabies was reported at Omaha, Nebr.

**ROCKY MOUNTAIN SPOTTED OR TICK FEVER.**

**California Report for March, 1920.**

During March, 1920, one case of Rocky Mountain spotted or tick fever was reported at Susanville, Lassen County, Calif.

**SCARLET FEVER.**

See Telegraphic weekly reports from States, p. 1047; Monthly summaries by States, p. 1051; and Weekly reports from cities, p. 1067.



## SMALLPOX.

## State Reports for February and March, 1920—Vaccination Histories.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
California (March):						
Alameda County.....	1				1	
Alameda.....	5				5	
Hayward.....	3				3	
Oakland.....	10		1	2	7	
Butte County—						
Chico.....	6		2		4	
Contra Costa County—						
Pittsburg.....	3				3	
Fresno County.....	2			1	2	
Coalinga.....	2				2	
Fresno.....	1		1			
Humboldt County.....	5				5	
Imperial County—						
Calexico.....	1				1	
Holtville.....	14				14	
Inyo County—						
Bishop.....	35			5	30	
Kern County.....	4			3	1	
Bakersfield.....	1				1	
Kings County.....	18		2	1	15	
Hanford.....	17		2		15	
Lemoore.....	5		1	1	3	
Los Angeles County.....	70				70	
Arusa.....	1				1	
Burbank.....	6		3		3	
Charamont.....	2			1	1	
Glendora.....	3				3	
Long Beach.....	27		1	2	24	
Los Angeles.....	27		2	2	22	1
Monrovia.....	1			1		
Pasadena.....	1		1			
Santa Monica.....	12				12	
Ventura.....	2				2	
Whittier.....	1			1		
Madera County.....	1				1	
Napa County.....	2				2	
Orange County.....	1				1	
Fullerton.....	3				3	
Orange City.....	3				3	
Santa Ana.....	1			1	1	
Roseville.....	1					
Riverside County.....	13		4	3	6	
Banning.....	3				2	1
Blythe.....	2		1		1	
Corona.....	23		2	2	19	
Riverside City.....	2				1	1
Sacramento County.....	1				1	
Sacramento.....	3		1		2	
San Bernardino County.....	1				1	
Needles.....	1				1	
Redlands.....	1				1	
San Diego County—						
San Diego.....	9		1		8	
San Francisco County—						
San Francisco.....	33		8	5	20	
San Joaquin County.....	16		1		15	
Stockton.....	9				9	
San Luis Obispo County.....	5				5	
Santa Barbara County—						
Lompoc.....	1				1	
Santa Barbara.....	51		144	4	3	
Santa Clara County.....	2			1	1	
San Jose.....	1		1			
Santa Cruz County—						
Watsonville.....	1				1	
Solano County—						
Fairfield.....	2				2	
Rio Vista.....	1		1			
Yuba.....	1				1	

1 Time of attack.

SMALLPOX—Continued.

State Reports for February and March, 1920—Vaccination Histories—Continued.

Place.	New cases reported	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
<b>California (March)—Continued.</b>						
Stanislaus County—						
Modesto.....	1				1	
Tulare County.....	1				1	
Fresno.....	1				1	
Ventura County.....	4				4	
Santa Paula.....	3				3	
Total.....	491		80	36	373	2
<b>Florida (March):</b>						
Alachua County.....	4				3	1
Escambia County.....	5				1	4
Duval County—						
Jacksonville.....	3					3
St. Johns County.....	1				1	
Total.....	13				5	
<b>Maryland (March):</b>						
Baltimore.....	2				2	
Allegany County—						
Cumberland.....	1				1	
Mapleside.....	1				1	
Montell.....	2				2	
Garrett County—						
Sehlmarsville.....	1				1	
Oakland.....	1				1	
Queen Annes County—						
Burrsville.....	2				2	
Centerville.....	1				1	
Montgomery County—						
Bliss Electrical School.....	1				1	
Washington County—						
Hagerstown.....	19				19	
Total.....	31				31	
<b>Minnesota (February):</b>						
Aitkin County—						
Spaulding Township.....	1				1	
Becker County—						
Lake Park.....	2				2	
Frazee Township.....	1			1		
Lake Eunice Township.....	4				4	
Benton County—						
Sauk Rapids.....	1				1	
Big Stone County—						
Beardsley.....	1				1	
Blue Earth County—						
Mankato.....	2				2	
Mapleton.....	1				1	
Vernon Center.....	1				1	
Chippewa County—						
Louriston Township.....	1				1	
Chisago County—						
Rush City.....	1				1	
Clay County—						
Glyndon.....	1				1	
Clearwater County—						
Dudley Township.....	1				1	
Crow Wing County—						
Crosby.....	5				5	
Dakota County—						
South St. Paul.....	2				2	
Douglas County—						
Alexandria.....	17				17	
Evansville.....	3				2	
Faribault County—						
Winnebago.....	1				1	
Pilot Grove Township.....	1				1	

## SMALLPOX—Continued.

## State Reports for February and March, 1929—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
Minnesota (February)—Contd.						
Fillmore County—						
Wykoff.....	1			1		
Arnhart Township.....	1				1	
Fillmore Township.....	1				1	
Carlton Township.....	1				1	
Freeborn County—						
Bath Township.....	1				1	
Goodhue County—						
Red Wing.....	1				1	
Grant County—						
Elbow Lake.....	13				13	
Hennepin County—						
Minneapolis.....	158		4	15	59	59
Robbinsdale.....	3				3	
Hassan Township.....	1				1	
Orama Township.....	1				1	
Houston County—						
Sheldon.....	1				1	
Hubbard County—						
La Porte.....	1				1	
White Bear.....	1				1	
Isanti County—						
Spencer Brook Town- ship.....	2				2	
Stanhfield Township.....	2				2	
Jackson County—						
Jackson.....	1				1	
Kanabec County—						
Ogilvie.....	1				1	
Lac qui Parle County—						
Dawson.....	2			1	1	
Madison.....	1				1	
Baxter Township.....	1				1	
Riverside Township.....	7				7	
Ten Mile Lake Town- ship.....	2				2	
Meeker County—						
Grove City.....	1				1	
Mower County—						
Austin.....	1			1		
Olmsted County—						
Rochester.....	3				3	
Ottertail County—						
Clitherall.....	1				1	
New York Mills.....	1				1	
Parkers Prairie.....	1				1	
Aurdal Township.....	1				1	
Blewers Township.....	1			1		
Parkers Prairie Town- ship.....	1				1	
Tondensoid Township.....	1				1	
Marshall County—						
Argyle.....	12				11	1
Middle River Township.....	2				2	
Pennington County—						
Chief River Falls.....	1				1	
Polk County—						
Lengby.....	4				4	
Columbis Township.....	2				2	
Pope County—						
Bangor Township.....	7				5	2
Ramsey County—						
St. Paul.....	44				44	
Rice County—						
Paribault.....	7		1		6	
Nerstrand Township.....	2				2	
Wheeling Township.....	4				4	
St. Louis County—						
Duluth.....	18		2		16	

SMALLPOX—Continued.

State Reports for February and March, 1920—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
<b>Minnesota (February)—Contd.</b>						
Scott County—						
Shakopee.....	3				3	
Eagle Creek Township..	1				1	
Sibley County—						
Grafton Township.....	1				1	
Stearns County—						
St. Cloud.....	9				9	
Holdingford.....	1				1	
Eden Lake Township..	1				1	
Fair Haven Township..	12				12	
Sauk Center Township..	1				1	
Steele County—						
Owatonna.....	2				2	
Aurora Township.....	1					1
Medford Township.....	2			2		
Swift County—						
Shible Township.....	2				2	
Todd County—						
Staples.....	6				6	
Traverse County—						
Wheaton.....	1				1	
Wadena County—						
Wadena.....	2				2	
Washington County—						
St. Paul Park.....	4				4	
Newport Township.....	2				2	
Winona County—						
Winona.....	1					1
Wright County—						
Montrose.....	3				3	
South Haven.....	1				1	
Albion Township.....	1				1	
<b>Total cases.....</b>	<b>423</b>		<b>7</b>	<b>22</b>	<b>329</b>	<b>65</b>
<b>New Jersey (March):</b>						
Essex County.....	32				29	3

State Reports for March, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Indiana:</b>			<b>Indiana—Continued.</b>		
Bartholomew County.....	4		Jay County.....	1	
Boone County.....	1		Jennings County.....	21	
Brown County.....	1		Johnson County.....	4	
Carroll County.....	4		Knox County.....	2	
Cass County.....	13		Lake County.....	11	
Clay County.....	72		Laporte County.....	3	
Clinton County.....	12		Lawrence County.....	6	
Crawford County.....	2		Madison County.....	6	
Davies County.....	8		Marion County.....	46	
Dearborn County.....	1		Monroe County.....	1	
Decatur County.....	1		Morgan County.....	1	
Dubois County.....	10		Noble County.....	3	
Floyd County.....	1		Owen County.....	2	
Fountain County.....	13		Parke County.....	4	
Gibson County.....	11		Pike County.....	27	
Grant County.....	13		Posey County.....	18	
Greene County.....	3		Shelby County.....	3	
Hamilton County.....	6		Spencer County.....	13	
Henry County.....	1		St. Joseph County.....	10	
Howard County.....	59		Sullivan County.....	15	
Huntington County.....	16		Tippecanoe County.....	4	
Jackson County.....	24		Tipton County.....	5	
Jasper County.....	18		Vanderburg County.....	9	

SMALLPOX—Continued.

State Reports for March, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases	Deaths
<b>Indiana—Continued.</b>			<b>North Carolina—Continued.</b>		
Vermilion County.....	1		Pitt County.....	55	
Vigo County.....	19		Polk County.....	3	
Wabash County.....	7		Richmond County.....	1	
Warren County.....	16		Robeson County.....	2	
Warrick County.....	13		Rockingham County.....	2	
Wayne County.....	6		Rowan County.....	15	
Wells County.....	2		Rutherford County.....	32	
White County.....	42		Sampson County.....	6	
<b>Total.....</b>	<b>615</b>		Scotland County.....	14	
<b>Louisiana:</b>			Surry County.....	9	
Avoyelles Parish.....	6		Vance County.....	15	
Beaufort Parish.....	3		Wake County.....	2	
Caddo Parish.....	17		Washington County.....	39	
Catahoula Parish.....	1		Watauga County.....	2	
De Soto Parish.....	1		Wayne County.....	57	
East Carroll Parish.....	3		Wilson County.....	9	
East Feliciana Parish.....	2		Yadkin County.....	1	
Franklin Parish.....	5		<b>Total.....</b>	<b>475</b>	
Grant Parish.....	1		<b>Rhode Island:</b>		
Iberville Parish.....	4		Woonsocket.....	1	
Jackson Parish.....	1		<b>South Dakota:</b>		
Jefferson Parish.....	3		Aurora County.....	1	
Lafayette Parish.....	4		Beadle County.....	2	
Lafourche Parish.....	3		Butte County.....	4	
Lincoln Parish.....	5		Charles Mix County.....	5	
Madison Parish.....	1		Codington County.....	2	
Orleans Parish.....	182		Corson County.....	4	
Ouachita Parish.....	4		Douglas County.....	1	
Plaquemines Parish.....	2		Custer County.....	3	
Pointe Coupee Parish.....	6		Davison County.....	21	
Rapides Parish.....	9		Grant County.....	2	
Richland Parish.....	3		Gregory County.....	8	
St. Martin Parish.....	8		Haskell County.....	3	
St. Mary Parish.....	1		Hanson County.....	6	
St. Tammany Parish.....	2		Hughes County.....	5	
Terrebonne Parish.....	3		Hutchinson County.....	1	
Tensas Parish.....	2		Jackson County.....	5	
Washington Parish.....	1		Jerauld County.....	3	
<b>Total.....</b>	<b>283</b>		Lake County.....	3	
<b>North Carolina:</b>			Lawrence County.....	6	
Alamance County.....	1		Lincoln County.....	8	
Alexander County.....	8		Mallett County.....	1	
Ashe County.....	17		Minnehaha County.....	14	
Beaufort County.....	4		Moody County.....	1	
Bertie County.....	38		Pennint'on County.....	3	
Buncombe County.....	3		Spink County.....	1	
Burke County.....	3		Turner County.....	6	
Cherokee County.....	2		<b>Total.....</b>	<b>119</b>	
Chowan County.....	5		<b>West Virginia:</b>		
Cleveland County.....	10		Barbour County.....	20	
Columbus County.....	4		Boone County.....	12	
Cumberland County.....	7		Braxton County.....	3	
Duplin County.....	3		Brooke County.....	2	
Durham County.....	2		Cabell County.....	1	
Forsyth County.....	20		Fayette County.....	42	
Franklin County.....	5		Greenbrier County.....	6	
Gaston County.....	6		Hancock County.....	2	
Gates County.....	4		Harrison County.....	23	
Granville County.....	18		Kanawha County.....	28	
Guilford County.....	1		Logan County.....	1	
Halifax County.....	5		McDowell County.....	28	
Haywood County.....	3		Mesor County.....	88	
Iredell County.....	1		Mineral County.....	2	
Jackson County.....	2		Mingo County.....	27	
Lenoir County.....	7		Monongalia County.....	1	
Lincoln County.....	1		Monroe County.....	1	
Macon County.....	1		Preston County.....	1	
Martin County.....	9		Raleigh County.....	3	
Montgomery County.....	1		Taylor County.....	2	
Nash County.....	1		Wayne County.....	12	
New Hanover County.....	6		Wirt County.....	6	
Northampton County.....	3		<b>Total.....</b>	<b>289</b>	
Perquimank County.....	5				
Perquimans County.....	1				
Person County.....	13				

SMALLPOX—Continued.

State Reports for March, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Wisconsin:			Wisconsin—Continued.		
Bayfield County.....	8		Monroe County.....	2	
Brown County.....	50		Oconto County.....	15	
Calumet County.....	7		Oneida County.....	5	
Chippewa County.....	6		Outagamie County.....	13	
Dane County.....	16		Ozaukee County.....	1	
Dodge County.....	29		Pepin County.....	8	
Door County.....	11		Portage County.....	2	
Douglas County.....	59		Price County.....	23	
Eau Claire County.....	6		Racine County.....	6	
Florence County.....	1		Rock County.....	8	
Fond du Lac County.....	18		Sauk County.....	2	
Forest County.....	6		Sawyer County.....	2	
Jackson County.....	8		Shawano County.....	9	
Kenosha County.....	15		Sheboygan County.....	3	
Kewaunee County.....	9		Taylor County.....	3	
La Crosse County.....	1		Washington County.....	1	
Lafayette County.....	9		Waukesha County.....	1	
Langlade County.....	11		Waupaca County.....	16	
Lincoln County.....	8		Waushara County.....	4	
Manitowoc County.....	9		Winnebago County.....	16	
Marathon County.....	17		Wood County.....	14	
Marinette County.....	3				
Marquette County.....	2				
Milwaukee County.....	69		Total.....	532	

City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Aberdeen, Wash.....	3		Gary, Ind.....	6	
Akron, Ohio.....	4		Grand Rapids, Mich.....	2	
Alliance, Ohio.....	1		Granite City, Ill.....	1	
Appleton, Wis.....	2		Great Falls, Mont.....	5	
Ashland, Ky.....	1		Green Bay, Wis.....	5	
Atlanta, Ga.....	8		Hammond, Ind.....	3	
Beatrice, Nebr.....	1		Highland Park, Mich.....	5	
Belleville, N. J.....	4		Hoquiam, Wash.....	1	
Bellingham, Wash.....	7		Houston, Tex.....	1	
Berkeley, Calif.....	1		Huntington, Ind.....	5	
Billings, Mont.....	2		Indianapolis, Ind.....	3	
Birmingham, Ala.....	11		Jacksonville, Ill.....	4	
Bloomfield, N. J.....	1		Joplin, Mo.....	1	
Bluefield, W. Va.....	25		Kalamazoo, Mich.....	1	
Boise, Idaho.....	9		Kansas City, Kans.....	6	
Butte, Mont.....	1		Kansas City, Mo.....	21	
Cairo, Ill.....	9		Kenosha, Wis.....	3	
Canton, Ohio.....	5		Kewance, Ill.....	1	
Cedar Rapids, Iowa.....	2		Knorrville, Tenn.....	1	
Charleston, S. C.....	16		Kokomo, Ind.....	11	
Chattanooga, Tenn.....	4		La Fayette, Ind.....	2	
Chicago, Ill.....	2		Laurel, Miss.....	1	1
Cincinnati, Ohio.....	1		Lima, Ohio.....	3	
Cleveland, Ohio.....	2		Lincoln, Nebr.....	14	
Columbia, S. C.....	1		Logansport, Ind.....	3	
Columbus, Ga.....	3		Long Beach, Calif.....	5	
Coshocton, Ohio.....	1		Los Angeles, Calif.....	4	
Dallas, Tex.....	15		Manitowoc, Wis.....	2	
Davenport, Iowa.....	23		Mankato, Minn.....	2	
Decatur, Ill.....	2		Marion, Ohio.....	7	
Denver, Colo.....	48		Marquette, Mich.....	1	
Des Moines, Iowa.....	7		Marshalltown, Iowa.....	3	
Detroit, Mich.....	16	1	Mason City, Iowa.....	9	
Dubuque, Iowa.....	6		Memphis, Tenn.....	11	
Duluth, Minn.....	5	1	Milwaukee, Wis.....	5	
Durham, N. C.....	1		Minneapolis, Minn.....	58	
East Orange, N. J.....	1		Mishawaka, Ind.....	1	
Eau Claire, Wis.....	1		Mobile, Ala.....	12	
Elkhart, Ind.....	1		New Orleans, La.....	39	5
El Paso, Tex.....	1		Norfolk, Va.....	5	
Flint, Mich.....	1		Oakland, Calif.....	2	
Fond du Lac, Wis.....	1		Oklahoma City, Okla.....	4	1
Fort Scott, Kans.....	3		Omaha, Nebr.....	15	
Fort Wayne, Ind.....	2		Oshkosh, Wis.....	3	
Fort Worth, Tex.....	19		Paducah, Ky.....	1	
Fresno, Calif.....	2		Parsons, Kans.....	1	
Galesburg, Ill.....	19		Peoria, Ill.....	1	

## SMALLPOX—Continued.

## City Reports for Week Ended Apr. 10, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Piqua, Ohio.....	3	.....	Spartanburg, S. C. ....	2	.....
Pontiac, Mich.....	2	.....	Spokane, Wash.....	53	.....
Portland, Oreg.....	33	.....	Springfield, Ill.....	1	.....
Quincy, Ill.....	2	.....	Staunton, Va.....	6	.....
Reno, Nev.....	2	.....	Stockton, Calif.....	5	.....
Richmond, Ind.....	3	.....	Superior, Wis.....	13	.....
Rock Island, Ill.....	1	.....	Tacoma, Wash.....	7	.....
St. Cloud, Minn.....	1	.....	Terre Haute, Ind.....	1	.....
St. Joseph, Mo.....	22	.....	Toledo, Ohio.....	8	.....
St. Louis, Mo.....	4	.....	Trinidad, Colo.....	2	.....
St. Paul, Minn.....	7	.....	Waco, Tex.....	1	.....
Salem, Oreg.....	2	.....	Walla Walla, Wash.....	6	.....
Salt Lake City, Utah.....	50	.....	Washington, D. C.....	3	.....
San Francisco, Calif.....	5	.....	Wausau, Wis.....	1	.....
Santa Barbara, Calif.....	2	.....	Wichita, Kans.....	18	.....
Santa Cruz, Calif.....	5	.....	Wilmington, N. C.....	3	.....
Seattle, Wash.....	13	.....	Winona, Minn.....	2	.....
Sloux City, Iowa.....	3	.....	Winston Salem, N. C.....	1	.....
Sloux Falls, S. Dak.....	8	.....	Yakima, Wash.....	15	.....

## TETANUS.

## City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Corpus Christi, Tex.....	1	.....	North Adams, Mass.....	1	1
El Paso, Tex.....	4	.....	Toledo, Ohio.....	.....	1
Los Angeles, Calif.....	.....	1	.....	.....	.....

## TRICHINOSIS.

## Westfield, Mass.—Week Ended Apr. 10, 1920.

During the week ended April 10, 1920, one case of trichinosis was reported at Westfield, Mass.

## TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 1047, and Weekly reports from cities, p. 1067.

## TYPHOID FEVER.

## State Reports for February and March, 1920.

Place.	New cases reported.	Place.	New cases reported.
California (March):		California (March) Continued.	
Alameda County.....	2	Sacramento County—	.....
Hayward.....	2	Sacramento.....	3
Livermore.....	1	San Francisco County—	.....
Oakland.....	5	San Francisco.....	7
Los Angeles County—		San Joaquin County—	.....
Los Angeles.....	12	Manteca.....	1
San Fernando.....	1	Santa Barbara County—	.....
Madera County—		Lompoc.....	1
Madera.....	1	Solano County—	.....
Orange County—		Rio Vista.....	1
Anaheim.....	2	Stanislaus County—	.....
Santa Ana.....	1	Turlock.....	1
Riverside County—		Tulare County.....	1
Blythe.....	2	Total.....	47
Riverside.....	3		

TYPHOID FEVER—Continued.

State Reports for February and March 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Florida (March):</b>		<b>Minnesota (February):</b>	
Alachua County.....	1	Beltrami County—	
Broward County.....	1	Baudette.....	1
Calhoun County.....	1	Spooner.....	1
Columbia County.....	1	Wheeler Township.....	1
Dade County.....	2	Blue Earth County—	
Duval County—		Mankato.....	1
Jacksonville.....	1	Brown County—	
Hillsborough County.....	1	Springfield.....	1
Tampa.....	3	Carlton County—	
Holmes County.....	2	Cloquet.....	1
Lafayette County.....	1	Dakota County—	
Lake County.....	1	Hastings.....	1
Orange County.....	2	Hennepin County—	
Osceola County.....	1	Minneapolis.....	1
Palm Beach County.....	1	Itasca County—	
Pasco County.....	1	Greenway Township.....	1
Pinellas County.....	3	Murray County—	
Polk County.....	1	Iona.....	1
Suwanee County.....	1	Fanton Township.....	1
Volusia County.....	1	Ramsey County—	
<b>Total.....</b>	<b>26</b>	St. Paul.....	1
<b>Indiana (March):</b>		Red Lake County—	
Allen County.....	1	Red Lake Falls.....	1
Blackford County.....	1	Renville County—	
Crawford County.....	1	Renville.....	1
Daviess County.....	3	St. Louis County—	
Hamilton County.....	1	Embarrass Township.....	1
Harrison County.....	1	Wilkin County—	
Jackson County.....	3	Breckenridge.....	2
Kosciusko County.....	1	Wolverton Township.....	1
Lake County.....	8	Yellow Medicine County—	
Marion County.....	3	Granite Falls.....	1
Steuben County.....	1	<b>Total.....</b>	<b>19</b>
Wayne County.....	2	<b>New Jersey (March):</b>	
Whitley County.....	1	Atlantic County.....	2
<b>Total.....</b>	<b>27</b>	Burlington County.....	3
<b>Louisiana (March):</b>		Camden County.....	7
Avoyelles Parish.....	1	Essex County.....	6
Beauregard Parish.....	1	Gloucester County.....	1
De Soto Parish.....	9	Hunterdon County.....	1
Lafayette Parish.....	1	Mercer County.....	2
Lafourche Parish.....	1	Monmouth County.....	1
Orleans Parish.....	4	Union County.....	2
Ouachita Parish.....	2	<b>Total.....</b>	<b>28</b>
Plaquemines Parish.....	2	<b>North Carolina (March):</b>	
Richland Parish.....	2	Cleveland County.....	1
St. Landry Parish.....	1	Forsyth County.....	1
Terrebonne Parish.....	3	Lenoir County.....	1
Vermilion Parish.....	1	Pasquotank County.....	2
Washington Parish.....	3	Sampson County.....	2
<b>Total.....</b>	<b>31</b>	<b>Total.....</b>	<b>6</b>
<b>Maryland (March):</b>		<b>West Virginia (March):</b>	
Baltimore.....	9	Barbour County.....	3
Allegany County—		Braxton County.....	3
Cumberland.....	1	Brooke County.....	1
Anne Arundel County—		Fayette County.....	2
Germantown.....	1	Greenbrier County.....	5
Baltimore County—		Hancock County.....	1
Woodlawn.....	1	Jefferson County.....	2
Bengies.....	1	Logan County.....	2
Carroll County—		McDowell County.....	1
Lineboro, R. D.....	1	Marion County.....	1
Harford County—		Mercer County.....	2
Havre de Grace.....	1	Monongalia County.....	1
Prince Georges County—		Monroe County.....	2
Branchville.....	1	Ohio County.....	2
Queen Annes County—		Roane County.....	1
Love Point.....	1	Summers County.....	2
Washington County—		Wayne County.....	3
Hagerstown.....	1	<b>Total.....</b>	<b>34</b>
Worcester County.....		<b>Wisconsin (March):</b>	
Pocomoke City, R. D.....	1	Douglas County.....	4
Berlin.....	1	Manitowoc County.....	1
<b>Total.....</b>	<b>20</b>	Milwaukee County.....	9
		Oraukee County.....	1
		Sheboygan County.....	2
		Waukesha County.....	1
		Winnebago County.....	3
		<b>Total.....</b>	<b>14</b>



## TYPHOID FEVER—Continued.

## City Reports for Week Ended Apr. 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, Va.	2		Memphis, Tenn.	2	
Atlantic City, N. J.	1		Milwaukee, Wis.	2	
Bridgeport, Conn.	1		Minneapolis, Minn.		1
Brockton, Mass.	1		Mount Vernon, N. Y.	5	
Buffalo, N. Y.		1	Newark, N. J.	1	
Charleston, S. C.		1	New Bedford, Mass.	2	
Chicago, Ill.	1		New London, Conn.	1	
Cincinnati, Ohio.	1		New Orleans, La.	2	
Cleveland, Ohio.	4		New York, N. Y.	8	
Dallas, Tex.		1	North Braddock, Pa.	1	
Detroit, Mich.	1	1	Oil City, Pa.	2	
Duluth, Minn.	1		Omaha, Nebr.	3	
Elizabeth, N. J.	1		Paterson, N. J.	1	
Elmira, N. Y.	2		Pekin, Ill.	1	
Fall River, Mass.	1		Philadelphia, Pa.	3	
Farrell, Pa.	1		Pittsburgh, Pa.	1	
Flint, Mich.		1	Pottstown, Pa.	1	
Grand Rapids, Mich.	1		Poughkeepsie, N. Y.	1	
Hammond, Ind.	1		Pueblo, Colo.	1	
Harrisburg, Pa.	1		Rahway, N. J.	1	
Knoxville, Tenn.	1		Sacramento, Calif.	1	1
Lawrence, Mass.	1		St. Louis, Mo.	2	
Lebanon, Pa.	1		San Francisco, Calif.	1	
Logansport, Ind.	2		Savannah, Ga.		1
Lorain, Ohio.	3		Springfield, Ohio.	1	
Los Angeles, Calif.	1		Toledo, Ohio.	1	1
Louisville, Ky.	1		Topeka, Kans.	1	
Lowell, Mass.	1		Watertown, N. Y.	1	1
Macon, Ga.	3		Wilmington, Del.		1

## TYPHUS FEVER.

## California—March, 1920.

During March, 1920, one case of typhus fever was reported in California.

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

## City Reports for Week Ended Apr. 10, 1920.

City.	Popula- tion as of July 1, 1917 (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.
Aberdeen, S. Dak.	15,926	4			16		3			
Aberdeen, Wash.	21,392				5					
Adams, Mass.	14,406	4								
Akron, Ohio.	93,604	45	2		17		53		6	
Alameda, Calif.	28,433	10	2		25		1			1
Albany, N. Y.	106,632						6		11	
Alexandria, Va.	17,959	8								2
Allentown, Pa.	65,109		1		2		1		2	
Alliance, Ohio.	19,581	7			12					1
Alton, Ill.	23,783	6			13		1		1	1
Altoona, Pa.	59,712		1						1	
Amesbury, Mass.	10,200	3			9			1		
Anaconda, Mont.	10,631	2								
Ann Arbor, Mich.	15,041	19	1		17					
Anniston, Ala.	14,326	12			1				1	
Appleton, Wis.	18,005				6		2			
Arlington, Mass.	13,073	4	1		4		3		6	
Asbury Park, N. J.	14,629	4			3					
Ashtabula, Ohio.	22,008	6			3					

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

City Reports for Week Ended Apr. 10, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Atlanta, Ga.....	196,144	69	2	1	13		5		1	3
Atlantic City, N. J.....	55,515	17	5	2	37		3		2	2
Attleboro, Mass.....	19,776	6					1			
Auburn, Me.....	16,607	9					1			
Aurora, Ill.....	34,795	11							1	
Austin, Tex.....	35,612	3			2					2
Baltimore, Md.....	594,637	210	26	3	216	2	48		42	23
Bangor, Me.....	26,958								2	
Barberton, Ohio.....	14,187	8	4		4		2	1		2
Barre, Vt.....	12,401		1		11					
Baton Rouge, La.....	17,544	6							1	1
Battle Creek, Mich.....	30,159		3		67		13			
Bayonne, N. J.....	72,204		5		10		1		1	
Beatrice, Nebr.....	10,437	6			2		1			
Beaumont, Tex.....	28,851	12								2
Beaver Falls, Pa.....	13,749				1					
Bedford, Ind.....	10,613	3								
Belleville, N. J.....	12,797				15				2	
Bellingham, Wash.....	34,362				17		4			
Beloit, Wis.....	18,547				10		6			
Benton Harbor, Mich.....	11,099				7					
Berkeley, Calif.....	60,427	8	2		26		1		1	
Berlin, N. H.....	13,892	4					1			
Bethlehem, Pa.....	14,353				4					
Beverly, Mass.....	22,128	7					1		2	
Biddeford, Me.....	17,760	4								
Billings, Mont.....	15,123	5			71		1		3	1
Binghamton, N. Y.....	54,864	16	1				2		3	1
Birmingham, Ala.....	189,716	51	2		2		6		7	5
Bloomfield, N. J.....	19,013	3			6		2			
Bloomington, Ill.....	27,462	11			4		8			
Bluefield, W. Va.....	16,123				5		2			
Boise, Idaho.....	35,951	9								
Boston, Mass.....	767,813	255	30	5	210	3	65	1	50	16
Braddock, Pa.....	22,060						2		2	
Brazil, Ind.....	10,472	5								
Bridgeport, Conn.....	124,724	38	9	1	6		7	1	1	3
Bristol, Conn.....	16,318	6					1		2	
Brockton, Mass.....	69,152	14			8		1		3	1
Brookline, Mass.....	33,526	8			11		2			
Brunswick, Ga.....	10,984	2								
Buffalo, N. Y.....	475,781	150		7		1				12
Burlington, Iowa.....	25,144	5				1	5			1
Burlington, Vt.....	21,802	13			3					1
Butler, Pa.....	28,677				2				4	
Butte, Mont.....	44,057	13					1		3	
Cadillac, Mich.....	10,158	2					1			
Cairo, Ill.....	15,995	9			1					1
Cambridge, Mass.....	114,293	33	4		19		9		3	6
Canton, Ill.....	13,674	4								
Canton, Ohio.....	62,566	18	2		13	1	7		2	
Carbondale, Pa.....	19,597		1				3			
Cedar Rapids, Iowa.....	38,033						3			
Centralia, Ill.....	11,838	1			32					
Chambersburg, Pa.....	12,475				14					
Chanute, Kans.....	12,968	0								
Charleston, S. C.....	61,041	29								
Charleston, W. Va.....	31,060		2		1					
Chattanooga, Tenn.....	61,575	12			4				1	
Chelsea, Mass.....	48,405	3			6		4		7	
Chester, Pa.....	41,857				58				9	
Cheyenne, Wyo.....	11,320	6			12	1			1	1
Chicago Heights, Ill.....	22,863	2			2		1			
Chicago, Ill.....	2,547,201	640	134	12	294	3	240	4	254	48
Chicopee, Mass.....	29,950	8								2
Chillicothe, Ohio.....	15,675	2	3		1					
Cincinnati, Ohio.....	414,248	124	8	2	210	2	64	1	27	10
Cleveland, Ohio.....	692,259	187	22	4	101	4	40		33	19
Clinton, Mass.....	13,675	3					1			

<sup>1</sup> Population Apr. 15, 1910.

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

City Reports for Week Ended Apr. 10, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Geatesville, Pa.....	14,998				1		1			
Goffeyville, Kans.....	18,331	3			4					
Cohoes, N. Y.....	25,292	6								1
Columbia, Pa.....	11,454								3	
Columbia, S. C.....	35,165		1		3					
Columbus, Ga.....	26,306	18							2	2
Columbus, Ohio.....	220,135	65	1	1	174	2	6		5	7
Concord, N. H.....	22,858	12			28			1		1
Connellsville, Pa.....	15,876						2			
Corpus Christi, Tex.....	10,789	4			1				1	
Corland, N. Y.....	13,321	4								
Coshocton, Ohio.....	11,887				1		1		1	
Council Bluffs, Iowa.....	31,838	6			19		14			
Covington, Ky.....	59,623	17	4		18		4		1	3
Cranston, R. I.....	26,773	6								
Cumberland, Md.....	26,656	17	1		1		1			1
Dallas, Tex.....	129,738	41	4	1	6		4		9	4
Danvers, Mass.....	10,037						2		3	
Danville, Ill.....	32,969	17			9					
Danville, Va.....	20,133				1					1
Davenport, Iowa.....	49,618		2		13		1			
Decatur, Ill.....	41,483	14	1		20					1
Dedham, Mass.....	10,618	2								
Denver, Colo.....	268,439	99	11	3	191	2	10			21
Des Moines, Iowa.....	104,052		1		3		6			
Detroit, Mich.....	619,648	263	72	5	146	2	71	2	32	19
Dover, N. H.....	13,276	5					1			
Du Bois, Pa.....	14,994				13		2			
Dubuque, Iowa.....	40,096				9					
Duluth, Minn.....	97,077	27		1	2		1	1		5
Durham, N. C.....	26,160	8			1				1	1
East Chicago, Ind.....	30,286	9								
East Cleveland, Ohio.....	13,864				6					
Easton, Pa.....	30,854		1		1		4			
East Orange, N. J.....	43,761	8	1		11		1			
East St. Louis, Ill.....	77,312	18			4		1		2	2
Eau Claire, Wis.....	18,987		1		30		1			
Elgin, Ill.....	28,562	11			3		2	1		1
Elizabeth, N. J.....	88,830		5	1	42		6		1	1
Elkhart, Ind.....	22,273	3			1		8			
Elmira, N. Y.....	38,272	11	1		20					
El Paso, Tex.....	69,149	50		1		3	1			14
Englewood, N. J.....	12,603	0			2				1	
Erie, Pa.....	73,562				8		4			
Eureka, Calif.....	15,142	1								
Evanston, Ill.....	29,304	11			2		7			
Everett, Mass.....	40,160	10	7	1	42		1			1
Everett, Wash.....	37,205				6					
Fairmount, W. Va.....	16,111		2		2					
Fall River, Mass.....	129,828	35	5	1	7	1	3		5	2
Fargo, N. Dak.....	17,872	6	1		6		2		1	
Farrell, Pa.....	10,190				14					
Findlay, Ohio.....	14,858	9			2					
Flint, Mich.....	57,386	28	6	1			2			1
Fond du Lac, Wis.....	21,486				1		1			
Fort Dodge, Iowa.....	21,039	0								
Fort Scott, Kans.....	10,564	1	1		2					
Fort Smith, Ark.....	29,390		1		3		1			
Fort Wayne, Ind.....	78,014	22	2		20		18	1	5	1
Fort Worth, Tex.....	109,597	14	1		3		3		1	1
Fostoria, Ohio.....	10,959	4			2					
Freeport, Ill.....	19,844	11	1							1
Fremont, Nebr.....	10,080	5					1			
Fremont, Ohio.....	11,034	3			15		9		1	
Fresno, Calif.....	36,314	12	4				2			2
Galesburg, Ill.....	24,629	7								1
Galveston, Tex.....	42,650	13	2							4
Gardner, Mass.....	17,534	6					1			1
Gary, Ind.....	56,000	16	1		2				5	
Glens Falls, N. Y.....	17,160	7								
Gloucester City, N. J.....	11,375				1					
Grand Rapids, Mich.....	132,861	41	4	1	139	1	8		2	

<sup>1</sup> Population, Apr. 15, 1910.

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

City Reports for Week Ended Apr. 10, 1920—Continued.

City.	Popula- tion as of July 1, 1917 (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.
Granite City, Ill.	15,890	7			15		1		1	
Great Falls, Mont.	13,948	3	3		3		2		1	
Green Bay, Wis.	30,017	1	1		3					
Greenfield, Mass.	12,251	9	1		11		1	3	1	
Greensboro, N. C.	20,171	4								
Greensburg, Pa.	13,881		1				3			
Greenwich, Conn.	19,594	2	1		1		1		1	1
Hackensack, N. J.	17,412	10	1				1		1	
Hammond, Ind.	27,016		1		37		2			1
Harrisburg, Pa.	73,276		1				3			
Harrison, N. J.	17,345				9				2	
Hartford, Conn.	112,831	29	1	6		32		7	3	9
Haverhill, Mass.	49,180	13	4		61		1		5	2
Hazleton, Pa.	28,981		4		3		1			2
Hibbing, Minn.	17,550								1	
Highland Park, Mich.	33,859	8	1		52	1	4			
Hoboken, N. J.	78,324	17	3	1	10				2	3
Holland, Mich.	13,459	0			2				1	
Hol-oke, Mass.	69,503	13	1		26		2		3	
Homestead, Pa.	23,071		1		34					
Hot Springs, Ark.	17,690	8								
Houston, Tex.	116,878	35	6		21		2			11
Huntington, Ind.	10,982	2			12		4			
Huntington, W. Va.	47,686	15					3	1		3
Hutchinson, Kans.	21,461				9					
Independence, Mo.	11,964	6							1	1
Indianapolis, Ind.	283,622	83	8		524		19		21	10
Iowa City, Iowa	11,626						1		1	
Ironton, Ohio	14,079	3								
Ironwood, Mich.	15,695	3					1			
Irvington, N. J.	16,710				3					
Ishpeming, Mich.	12,448	4								
Ithaca, N. Y.	16,017	3			1		2		2	
Jacksonville, Ill.	15,506	12			3					
Jamestown, N. Y.	37,431	13	1		2		1			
Janesville, Wis.	14,411				11					
Jefferson City, Mo.	13,712	4								
Jersey City, N. J.	312,557		18		107		7		16	
Johnstown, Pa.	70,437		4		4		3			
Joplin, Mo.	33,400	4							2	3
Kalamazoo, Mich.	50,408	20			78		6		2	
Kanrakee, Ill.	14,270	4			1					
Kansas City, Kans.	102,096		4		19		1		3	
Kansas City, Mo.	305,816	102	5	2	45	1	4		5	5
Kearny, N. J.	24,325	11	5		49		2		2	1
Keene, N. H.	10,725	4					2			
Kenosha, Wis.	32,833		1		10					
Kewanee, Ill.	13,607	5					1			
Knoxville, Tenn.	59,112		1		16	5	7		3	3
Kokomo, Ind.	21,929	7	1		16		2	1		1
Lackawanna, N. Y.	16,219	2							7	
La Crosse, Wis.	31,833				24					
La Fayette, Ind.	21,481	7			28		6	1	1	
Lake Charles, La.	14,930	3								
Lancaster, Ohio	16,086	8								1
La Salle, Ill.	12,332	8			1					
Lawrence, Kans.	13,477	4			1					1
Lawrence, Mass.	102,923	34	4		5	1	8	1		5
Leavenworth, Kans.	19,363	5								
Lebanon, Pa.	20,947						2			
Leominster, Mass.	21,365	3							5	1
Lexington, Ky.	41,997	32	1		3		2	1		2
Lima, Ohio.	37,145	8	1		10		1		1	
Lincoln, Nebr.	46,957	13	6		91		3	1		
Lincoln, R. I.	10,473						1			
Little Rock, Ark.	58,716						1		1	
Lockport, N. Y.	20,028	1			2					
Logansport, Ind.	21,338	7	2		4		7			
Long Beach, Calif.	29,163	15	1		12					
Long Branch, N. J.	15,733	2			5		2		4	
Lorain, Ohio.	38,266		1		2		4		1	
Los Angeles, Calif.	535,485	180	44	2	83		9		65	19
Louisville, Ky.	240,808	67	5		20		6		14	7

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Apr. 10, 1920—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Lowell, Mass.	114,366	35	2		1		4		2	1
Lynchburg, Va.	33,497	7			1					1
Lynn, Mass.	104,534	20	2				22		6	2
McKeesport, Pa.	48,299				16					
McKees Rocks, Pa.	20,795				8					
Macon, Ga.	46,099	31			28					1
Madison, Wis.	31,315				3		6			
Mahanoy City, Pa.	17,709		1							
Malden, Mass.	52,243	3	5		12		6		1	
Manchester, Conn.	15,859		1						3	
Manchester, N. H.	79,607	23	2	2	4				5	2
Manitowoc, Wis.	13,931						4			
Mankato, Minn.	10,365	7			11			1		
Marinette, Wis.	14,610						1			
Marion, Ind.	19,923		6		15					
Marion, Ohio.	24,129		1		5		1		1	
Marquette, Mich.	12,555	2					4			
Martinsburg, W. Va.	12,084			3						
Martins Ferry, Ohio.	10,135	0			4					
Mascot City, Iowa	14,938	6	1				2			1
Mattoon, Ill.	12,764				6					
Medford, Mass.	26,081	3	2		5		4		1	1
Melrose, Mass.	17,724				26					
Memphis, Tenn.	151,677	86	3	1	1		3		9	2
Meriden, Conn.	129,431		1		1		2		2	
Methuen, Mass.	14,320	3								1
Middletown, N. Y.	15,890		2	1	3		10			
Middletown, Ohio.	16,384	3								1
Milwaukee, Wis.	445,068	78	13		194		17	1	17	2
Minneapolis, Minn.	373,448	101	11	1	100	1	16	1	16	8
Mishawaka, Ind.	17,083	0								
Missoula, Mont.	19,075	8			1					1
Mobile, Ala.	59,201	9							1	
Montclair, N. J.	27,087	0	1		6		3		2	
Montgomery, Ala.	44,039	21							9	
Morgantown, W. Va.	14,444	2					1			
Morristown, N. J.	13,410	7	1		1		1			
Moundsville, W. Va.	11,513	4			10					
Mount Vernon, N. Y.	37,991	12			55	1	1		2	
Muncie, Ind.	25,653	6	8		8		3		2	1
Muscatine, Iowa.	17,713	2								
Muskogee, Okla.	47,173				20		1			
Nanticoke, Pa.	23,811						2		1	
Nashua, N. H.	27,541	10			14		3			1
Nashville, Tenn.	118,136	51			7		4		2	6
Newark, N. J.	418,789	113	16	3	371	3	20		44	16
New Bedford, Mass.	121,622	27			3		12		10	1
New Britain, Conn.	55,385	26	4	1	1		6		1	2
New Brunswick, N. J.	28,855				1		2		1	1
Newburyport, Mass.	15,291	5								
New Castle, Ind.	14,144	6								
New Haven, Conn.	152,275	60	5		19	3	6		7	2
New London, Conn.	21,199		3		89		1		1	1
New Orleans, La.	377,010	134	7	1			5		31	18
New Philadelphia, Ohio	10,133				1					
Newport, R. I.	30,585	0	2		7					
Newton, Mass.	44,343	13	2		63		8	1		1
New York, N. Y.	5,737,492	1,523	334	30	1,427	33	119		313	141
Niagara Falls, N. Y.	38,466	19	2		54	2	10		3	
Norfolk, Va.	91,148				2					3
North Adams, Mass.	122,019	5			3					
Northampton, Mass.	20,006	10			1		1			
North Attleboro, Mass.	11,248	4								
North Braddock, Pa.	15,684		2							
North Tonawanda, N. Y.	14,060	4							3	
Norwalk, Conn.	27,332	10			1		1		1	1
Norwich, Conn.	21,923	4			4		1		2	1
Nerwood, Ohio.	23,260	4			3		10		1	
Oakland, Calif.	206,405	45	3		5		7		8	3
Oak Park, Ill.	27,816	9	1		1		5			1
Ogden, Utah.	32,343	2								
Oil City, Pa.	20,162				1		8		5	

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Apr. 10, 1920—Continued.

City.	Popula- tion as of July 1, 1917 (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.
Oklahoma City, Okla.	97,588	20			32		2			
Old Forge, Pa.	15,479						1			
Olean, N. Y.	16,927	12								
Omaha, Nebr.	177,777	40	5		73		18			7
Orange, Conn.	14,393	4	1		2		1		2	1
Orange, N. J.	33,636	11	1	1	11		1		1	2
Oshkosh, Wis.	36,549		1		26					
Paducah, Ky.	25,178				14					
Parkersburg, W. Va.	21,059	12	1	1	20					1
Parsons, Kans.	15,952		1				2			
Pasadena, Calif.	49,620	9	1		54		7			1
Passaic, N. J.	74,478	12			14		1		3	
Pateron, N. J.	140,512	4	5		99				4	
Pawtucket, R. I.	60,666	10			2		2		5	
Peekskill, N. Y.	19,014	5								
Peoria, Ill.	72,184	25	1		7		1			
Perth Amboy, N. J.	42,646	8	4		10				2	
Petersburg, Va.	25,817	11					1		2	1
Philadelphia, Pa.	1,735,514	518	56	5	788	9	57	1	141	70
Phillipsburg, N. J.	15,879	4								
Phoenixville, Pa.	11,871				2				1	
Piqua, Ohio.	14,275	2			5		6		1	
Pittsburgh, Pa.	586,196		23		353		14		6	
Pittsfield, Mass.	39,678	14			2		3		4	
Pittston, Pa.	18,975				4		1		4	
Plainfield, N. J.	24,330	4	1		1		1			
Plattsburg, N. Y.	13,111	4			8				2	2
Plymouth, Mass.	14,001	3								
Pontiac, Mich.	18,006	13	1				1			
Port Chester, N. Y.	16,727	4	1				1			
Port Huron, Mich.	18,863	9	3	1	3					
Portland, Me.	64,720	22			1		4			1
Portland, Ore.	308,399	58	4	1	16	2	5		4	5
Portsmouth, N. H.	11,730				12					
Pottstown, Pa.	16,987				2					
Poughkeepsie, N. Y.	30,736	12			3		1		2	
Providence, R. I.	289,895	69	15	2	21		14	2		4
Pueblo, Colo.	53,084	13	1		3		2			1
Quincy, Ill.	36,812	16			1		1			2
Quincy, Mass.	39,022	6	5				12		3	
Rahway, N. J.	10,361	4					3		2	
Raleigh, N. C.	20,274	6			7		1			1
Redlands, Calif.	14,573	5					1			
Reno, Nev.	15,514	5			20					1
Richmond, Ind.	25,090	10	2		6	1				1
Richmond, Va.	158,702	53	4		SS		2		8	5
Riverside, Calif.	20,496	2	1							
Roanoke, Va.	46,282	4			1		2		1	2
Rochester, N. Y.	264,714	89	11	1	115	2	6		7	4
Rockford, Ill.	56,739	18	2		3		6			2
Rock Island, Ill.	29,452	7			11		6			1
Rome, Ga.	15,607								1	
Rome, N. Y.	24,259		1				4		2	
Rutland, Vt.	15,038	4			10					
Sacramento, Calif.	68,084	32			29		1		2	5
Saginaw, Mich.	56,469	24			1		3			1
St. Cloud, Minn.	12,013				1		1			
St. Joseph, Mo.	89,498	26	2	1						
St. Louis, Mo.	788,630	188	55	4	463	4	33		28	13
St. Paul, Minn.	252,465	68	14		63	1	5		12	5
Salem, Mass.	49,346	16	2	1			4		6	
Salem, Ore.	21,274	5			1					
Salt Lake City, Utah.	121,623	37	1		3				1	1
San Diego, Calif.	56,412	24	1	1					6	6
Sandusky, Ohio.	20,226	3			14					
San Francisco, Calif.	471,023	141	14	3	24	1	11		32	15
Santa Barbara, Calif.	15,360	9								
Santa Cruz, Calif.	15,150	6	1	1	4				1	
Saratoga Springs, N. Y.	13,839	6			1				5	
Sault Ste. Marie, Mich.	14,130	2	1		4		1			
Savannah, Ga.	69,260	41			15	1			5	4
Schenectady, N. Y.	103,774	29	1		13		2		4	1
Scranton, Pa.	149,541	1			6					

<sup>1</sup> Population Apr. 15, 1910.

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

**City Reports for Week Ended Apr. 10, 1920—Continued.**

City.	Popula- tion as of July 1, 1917 (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.
Seattle, Wash.....	366,445		2		113		15			
Shamokin, Pa.....	21,274				1		2			
Sheboygan, Wis.....	28,907		1		17		2		1	
Sioux City, Iowa.....	58,568		1		4		4			
Sioux Falls, S. Dak.....	16,887	13			46		3			1
Somerville, Mass.....	88,618	20	2		40		13	1	1	
South Bend, Ind.....	70,967	9			8		2		1	
Southbridge, Mass.....	14,465	3	1							
Spartanburg, S. C.....	21,985	8		1	1		2			
Spokane, Wash.....	157,656		1		260		2			
Springfield, Ill.....	62,623	18			2					1
Springfield, Mass.....	108,668	29			38	1	4		4	1
Springfield, Mo.....	41,169	15								
Springfield, Ohio.....	52,296	11			31		2		1	
Stamford, Conn.....	31,810				3		1		1	
Staunton, Va.....	11,823	6								
Steeltown, Pa.....	15,759				6					
Staubenville, Ohio.....	28,259	7			9		2		2	
Stillwater, Minn.....	110,198	2	2							
Stockton, Calif.....	36,209	9	1							1
Sunbury, Pa.....	16,661				42		4			2
Superior, Wis.....	47,167	13			17		5	1	6	2
Tacoma, Wash.....	117,446		1		33		3		4	1
Taunton, Mass.....	32,610	17			2				3	1
Terre Haute, Ind.....	67,361	23			41		3		9	1
Toledo, Ohio.....	202,010	69			119		18	2	5	1
Topeka, Kans.....	49,538	11			7		1		5	1
Traverse City, Mich.....	14,060									
Trenton, N. J.....	113,974	40	8		1				8	5
Trinidad, Colo.....	14,413		3				1			
Troy, N. Y.....	78,094	32			1				1	4
Tucson, Ariz.....	17,324	18								
Tuscaloosa, Ala.....	10,824								3	
Uniontown, Pa.....	21,600				2		4			
Vallejo, Calif.....	13,803	5	1							
Vancouver, Wash.....	13,805		1		2		9			
Virginia, Minn.....	15,954								1	
Waco, Tex.....	34,015	7			1					1
Walla Walla, Wash.....	26,067						2		1	
Waltham, Mass.....	31,011	8	2				2			1
Warren, Pa.....	15,063	1	1		3					
Washington, D. C.....	369,282	107	6		16		23		18	13
Washington, Pa.....	22,076								5	
Waterbury, Conn.....	89,201		10		6		29	2	2	1
Watertown, Mass.....	15,188	5	1		25				1	
Watertown, N. Y.....	30,404				3		3	2		
Wausau, Wis.....	19,666	6			59		1			2
Westfield, Mass.....	18,769	5					2			
West Hoboken, N. J.....	44,386	5	2		17		1		2	
West New York, N. J.....	19,613	2	1		10					
West Orange, N. J.....	13,964	1								
Wheeling, W. Va.....	43,657	14	3		23		3			2
White Plains, N. Y.....	23,331	5			30		1			
Wichita, Kans.....	73,597		1		3		1			
Wilkes-Barre, Pa.....	78,334		4				6			
Wilksburg, Pa.....	22,899		1		8					
Williamsport, Pa.....	34,123		3		53		3			
Willimantic, Conn.....	12,802	3	1				1			
Wilmington, Del.....	95,368	30	2		35		3			3
Wilmington, N. C.....	30,400	11					1			
Winchester, Mass.....	10,812	4					2			
Windham, Conn.....	14,404						1			
Winona, Minn.....	18,583	1			9		1			
Winston-Salem, N. C.....	33,136	13			3	1			4	4
Winthrop, Mass.....	13,105	2			25		1			
Worcester, Mass.....	166,106	42	2	1	2		72		8	6
Yakima, Wash.....	22,068		1		48		1			
Yonkers, N. Y.....	103,066	23	2		73	1	2			2
York, Pa.....	52,770		4		4		17		2	
Zanesville, Ohio.....	31,320	12	1		5				1	1

1 Population Apr. 15, 1919.

## FOREIGN AND INSULAR.

### CUBA.

#### Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Apr. 1-10, 1920.		Remaining under treatment, Apr. 10, 1920.
	New cases.	Deaths.	
Bronchopneumonia .....	3	1	1
Cerebrospinal meningitis.....	2	.....	13
Chickenpox .....	10	.....	44
Diphtheria .....	3	.....	3
Influenza .....	34	1	3
Leprosy .....	.....	.....	10
Malaria .....	5	.....	16
Measles .....	58	5	140
Paratyphoid fever.....	.....	.....	2
Pneumonia.....	3	2	1
Scarlet fever.....	14	4	16
Smallpox.....	.....	.....	2
Typhoid fever.....	17	3	40

<sup>1</sup> From abroad, 8.

<sup>2</sup> From the interior, 11.

<sup>3</sup> From the interior, 23.

### INDIA.

#### Anthrax—January, 1920.

According to information supplied by the civil veterinary department of the Madras Presidency, India, 176 fatal cases of anthrax in animals were reported in the Presidency during the month of January, 1920. The cases were distributed in 24 districts.

### UNION OF SOUTH AFRICA.

#### Typhus Fever.

According to information dated March 5, 1920, outbreaks of typhus fever were reported in the Union of South Africa during the week ended February 28, 1920, as follows: Cape Province, in the Mount Frere district and in the Transkei, a district bordering on the Indian Ocean; Natal, in the districts of Camperdown, Ixopo, Newcastle, and Vryheid; Transvaal, in the district of Johannesburg.

On March 9, 1920, outbreaks were reported being dealt with in the Cape Province in 20 districts and in Natal in 5 districts.



## INFLUENZA.

The following information was taken from reports received during the week ended April 30, 1920:

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Algeria:</b>				
Departments—				
Algiers.....	Mar. 11-20.....	2		
Oran.....	do.....	21		
<b>Bolivia:</b>				
La Paz.....	Mar. 7-13.....	1		Feb. 22-28: Present.
<b>Brazil:</b>				
Santos.....	Mar. 9-29.....		3	
Sao Paulo.....	Jan. 26-Feb. 1.....			Present.
<b>Bulgaria:</b>				
Sofia.....	Feb. 22-Mar. 20.....			Provalent.
<b>Canada:</b>				
Ontario—				
Hamilton.....	Apr. 11-17.....			Present.
Toronto.....	Apr. 4-17.....		8	Acute primary. Pneumonia, 46 deaths.
Windsor.....	Apr. 4-10.....			Present.
Quebec—				
Sherbrooke.....	Mar. 1-31.....		10	
<b>Ceylon:</b>				
Colombo.....	Feb. 15-28.....		24	
<b>China:</b>				
Hongkong.....	Feb. 22-28.....		26	
<b>Costa Rica:</b>				
Limon.....	Mar. 28-Apr. 3.....		1	
<b>Czecho-Slovakia:</b>				
Prague.....	Feb. 8-Mar. 6.....		106	
<b>Denmark:</b>				
Copenhagen.....	Mar. 7-13.....	912	28	
<b>Gibraltar.....</b>	Mar. 21-27.....		3	
<b>Great Britain:</b>				
England and Wales.....	do.....		392	In 96 great towns. Population, aggregate, 16,577,344.
London.....	do.....		131	Greater London and Outer Ring, 277 deaths.
Scotland.....	do.....		4	With influenza complications, 26 deaths. In 16 towns. Population, 2,416,900.
<b>Greece:</b>				
Kalamata.....	Jan. 19-Feb. 13.....		5	
Saloniki.....	Feb. 3-Mar. 1.....		8	
<b>Hawaii.....</b>	Mar. 1-31.....		219	
<b>India:</b>				
Madras.....	Mar. 7-13.....		8	
Rangoon.....	Feb. 22-28.....		39	
<b>Italy:</b>				
Turin.....	Mar. 8-28.....	9	7	
<b>Malta.....</b>	Feb. 17-29.....			Present.
<b>Mexico:</b>				
Chihuahua.....	Mar. 22-Apr. 4.....		6	
Ciudad Juarez.....	Apr. 5-11.....			Present.
<b>Panama:</b>				
Colon.....	Mar. 3-Apr. 4.....	63	9	
<b>Sweden:</b>				
Malmö.....	Feb. 29-Mar. 20.....	517	4	
Stockholm.....	Feb. 22-Mar. 3.....	73	14	
<b>Tunis:</b>				
Tunis.....	Mar. 21-27.....		3	

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

Reports Received During Week Ended Apr. 30, 1920.<sup>1</sup>

#### CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Calcutta.....	Feb. 22-28.....	48	45	
Madras.....	Mar. 7-13.....		1	
Rangoon.....	Feb. 22-28.....	1	1	
<b>Philippine Islands:</b>				
Provinces.....				Feb. 29-Mar. 6, 1920: Cases, 10; deaths, 8.
Albay.....	Feb. 29-Mar. 6.....	5	4	
Ambos Camarines.....	do.....	5	4	

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

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

**Reports Received During Week Ended April 30, 1920.**

**CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Contd.				
Provinces.....				Mar. 7-13, 1920: Cases, 2; deaths, 4.
Albay.....	Mar. 7-13.....	2	3	
Ilocos Norte.....	do.....		1	
Siam:				
Bangkok.....	Feb. 22-Mar. 6....	100	53	

**PLAGUE.**

Brazil:				
Bahia.....	Feb. 29-Mar. 6....	3	1	
Ceylon:				
Colombo.....	Feb. 22-28.....	3	2	
Ecuador:				
Guayaquil.....	Mar. 1-15.....	8	2	
India.....				Feb. 22-28, 1920: Cases, 7,491; deaths, 5,798.
Bombay.....	Feb. 22-28.....	15	12	
Rangoon.....	do.....	54	50	
Peru:				
Trujillo.....	Mar. 8-14.....	4	2	Including Salaverry.
† traits Settlements:				
Singapore.....	Feb. 22-28.....	2	2	

**SMALLPOX.**

Algeria:				
Departments--				
Algiers.....	Mar. 11-20.....	8		
Constantine.....	do.....	2		
Oran.....	do.....	27		
Belgium:				
Brussels.....	Jan. 11-17.....		1	
Bolivia:				
La Paz.....	Jan. 22-Mar. 13....	5	3	
Brazil:				
Bahia.....	Feb. 29-Mar. 6....	15	8	
Bulgaria:				
Sofia.....	Feb. 22-Mar. 20....	5		
Canada:				
Ontario—				
Hamilton.....	Apr. 11-17.....	2		
Kingston.....	Apr. 6-12.....	4		
Ottawa.....	Apr. 4-17.....	8		
Toronto.....	Apr. 11-17.....	6		
Saskatchewan—				
Moosejaw.....	Mar. 28-Apr. 3....	1		
Regina.....	Mar. 27-Apr. 3....	1		
Saskatoon.....	Mar. 28-Apr. 3....	1		Imported. Arrived from Toronto Apr. 3, 1920.
Ceylon:				
Colombo.....	Feb. 28-Mar. 6....	1		Port case.
China:				
Chungking.....	Feb. 8-28.....			Present.
Nanking.....	Feb. 22-Mar. 6....			Do.
Costa Rica:				
Limon.....	Mar. 28-Apr. 3....		1	
Czecho-Slovakia—				
Prague.....	Feb. 29-Mar. 20....	2	1	
Great Britain:				
Glasgow.....	Mar. 21-27.....	2		
Greece:				
Saloniki.....	Mar. 7-14.....	3	2	
India:				
Bombay.....	Feb. 22-28.....	25	8	
Calcutta.....	do.....	258	214	
Karachi.....	Feb. 29-Mar. 6....	4	4	
Madras.....	Mar. 7-13.....	18	3	
Rangoon.....	Feb. 22-28.....	20	4	

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

Reports Received During Week Ended Apr. 30, 1920.

### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Messina.....	Mar. 8-14.....	1		Province, 7 cases.
Palermo.....	Mar. 17-23.....	1	1	
Trieste.....	Mar. 21-27.....	1	1	
Japan:				
Kobe.....	Mar. 9-21.....	2		
Nagasaki.....	Mar. 15-21.....	1		
Malta.....	Feb. 1-29.....	3		
Manchuria:				
Dairen.....	Mar. 9-15.....	1		
Portugal:				
Lisbon.....	Mar. 1-28.....		10	
Roumania:				
Bucharest.....	Jan. 1-31.....	1		
Spain:				
Barcelona.....	Mar. 5-18.....		9	
Vaencia.....	Mar. 21-27.....	13	2	

### TYPHUS FEVER.

Algeria:				
Departments—				
Algiers.....	Mar. 11-20.....	2		4 among military.
Oran.....	.....do.....	15		
South Territories.....	.....do.....	7		
Bolivia:				
La Paz.....	Feb. 22-Mar. 13...	7	6	
Bulgaria:				
Sofia.....	Feb. 22-Mar. 20...	14	1	
Chile:				
Valparaiso.....	Mar. 7-13.....		5	
Greece:				
Saloniki.....	Mar. 1-7.....	8	2	
Japan:				
Nagasaki.....	Mar. 15-21.....	1		
Roumania:				
Brala.....	Jan. 1-31.....	18	3	
Bucharest.....	.....do.....	59	7	
Constantza.....	.....do.....	59	7	
Galatz.....	.....do.....	10	3	
Tunis:				
Tunis.....	Mar. 21-27.....	8		
Union of South Africa:				
Cape Province.....				
Districts—				
Mount Frere.....	Feb. 22-23.....			Present.
Transkei.....	.....do.....			Do.
Natal.....				
Districts—				
Camperdown.....	Feb. 22-23.....			Present.
Ixopo.....	.....do.....			Do.
Newcastle.....	.....do.....			Do.
Vryheid.....	.....do.....			Do.
Transvaal—				
Johannesburg.....	.....do.....			Present. Mining district.

### YELLOW FEVER.

Brazil:				
Bahia.....	Feb. 29-Mar. 6....	1	1	

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

Reports Received from Dec. 27, 1919, to Apr. 23, 1920.

**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 4-17.....		2	
Chosen (Korea)				
Chemulpo.....	Oct. 1-31.....	6	4	Oct. 20-Nov. 16, 1919: Cases, 3,425; deaths, 3,144. Aug. 15-Nov. 16, 1919: Cases, 15,192; deaths, 9,823.
Fusan.....	do.....	34	30	
Provinces—				
Keiki.....	Aug. 15-Nov. 16.....	224	135	
Kogen.....	do.....	64	38	
Kokal.....	do.....	4,015	2,770	
North Chusei.....	do.....	1	1	
North Heian.....	do.....	3,196	2,434	
North Kankyo.....	do.....	497	275	
North Keisho.....	do.....	63	35	
North Zenra.....	do.....	1,326	692	
South Chusei.....	do.....	930	590	
South Heian.....	do.....	3,031	1,858	
South Kankyo.....	do.....	870	551	
South Keisho.....	do.....	318	156	
South Zenra.....	do.....	657	288	
Greece:				
Saloniki.....	Oct. 10.....	1		
India:				
Bombay.....	Nov. 2-8.....	1	1	Oct. 19-Dec. 27, 1919: Deaths, 23,388. Jan. 4-Feb. 14, 1920: Deaths, 12,701.
Do.....	Jan. 11-Feb. 21.....	3	2	
Calcutta.....	Oct. 26-Dec. 27.....	181	166	
Do.....	Dec. 28-Feb. 8.....	103	98	
Madras.....	Nov. 23-Dec. 27.....	14	5	
Do.....	Dec. 28-Mar. 6.....	23	9	
Rangoon.....	Nov. 30-Dec. 27.....	12	9	
Do.....	Dec. 28-Jan. 31.....	3	3	
Indo-China:				
Saigon.....	Oct. 27-Nov. 23.....	5	4	
Japan:				
Kobe.....	Nov. 24-30.....	2		For entire island: Oct. 22-Nov. 30, 1919: Cases, 651; deaths, 385.
Taiwan.....				
Tokyo.....	Nov. 10-20.....	1	1	
Java:				
East Java.....				Oct. 5-11, 1919: One case, 1 death. At Pasoeroean.
West Java.....				Nov. 5-Dec. 25, 1919: Cases, 17. Jan. 24-Feb. 12, 1920: Cases, 2.
Batavia.....	Nov. 5-Dec. 25.....	17		
Do.....	Jan. 21-Feb. 12.....	2	1	
Philippine Islands:				
Manila.....	Nov. 2-Dec. 27.....	20	10	Nov. 2-Dec. 27, 1919: Cases, 1,574; deaths, 1,151.
Provinces.....				
Albay.....	Nov. 2-Dec. 27.....	339	240	
Ambos Camarines.....	Nov. 2-Dec. 20.....	66	34	
Antique.....	Nov. 2-Dec. 27.....	160	113	
Batangas.....	do.....	39	28	
Bohol.....	do.....	34	27	
Cagayan.....	Nov. 3-15.....	35	20	
Capiz.....	Nov. 2-8.....	6	5	
Cavite.....	Nov. 2-Dec. 6.....	25	16	
Cebu.....	Nov. 2-Dec. 20.....	23	14	
Davao.....	Nov. 9-15.....	6	4	
Ilocos Notre.....	Nov. 2-29.....	42	40	
Ilocos Sur.....	Nov. 2-22.....	18	15	
Iloilo.....	Nov. 2-Dec. 20.....	55	33	
Isabela.....	Nov. 2-Dec. 13.....	167	77	
Laguna.....	Nov. 2-Dec. 20.....	23	17	
Mindoro.....	Nov. 2-Dec. 6.....	81	30	
Mountain.....	Nov. 2-Dec. 13.....	6	4	
Occidental Negros.....	Nov. 2-Dec. 27.....	100	53	
Pangasinan.....	Nov. 30-Dec. 20.....	60	46	
Rizal.....	do.....	41	15	
Sorsogon.....	Nov. 2-Dec. 13.....	208	139	
Tarlac.....	Nov. 2-22.....	11	11	
Tayabas.....	Nov. 2-Dec. 27.....	60	35	
Union.....	Nov. 9-15.....	5	5	
Manila.....	Feb. 3-28.....	2		Dec. 23, 1919-Feb. 23, 1920: Cases, 862; deaths, 577.
Provinces.....				
Albay.....	Dec. 23-Feb. 23.....	62	40	
Ambos Camarines.....	do.....	287	196	
Antique.....	do.....	219	60	
Batangas.....	Dec. 23-Feb. 14.....	19	12	
Cavite.....	Jan. 11-17.....	1	1	
Iloilo.....	Dec. 23-Jan. 3.....	9	2	

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

Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.

### CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Contd.				
Provinces—Continued.				
Isabela.....	Jan. 11-17.....	6	3	
Laguna.....	Dec. 22-Jan. 3.....	2	2	
Mindoro.....	Jan. 4-24.....	24	11	
Mountain.....	Dec. 28-Jan. 10.....	11	6	
Occidental Negros.....	Jan. 4-17.....	21	19	
Palawan.....	Jan. 11-Feb. 28.....	59	37	
Pangasinan.....	Dec. 28-Jan. 3.....	1	.....	
Rizal.....	Feb. 1-7.....	3	.....	
Samar.....	Jan. 4-24.....	44	30	
Sorsogon.....	do.....	51	40	
Tayabas.....	Jan. 4-Feb. 28.....	33	19	
Poland:				
Garwolin.....				Present in November, 1919.
Kowal.....				Do.
Stryi.....				Do.
Russia:				
Novorossisk.....	Nov. 8-11.....	3	.....	
Odessa.....	Oct. 25-Nov. 7.....	93	.....	
Siam:				
Bangkok.....	Dec. 7-27.....	163	57	Oct. 5-Dec. 15, 1919: Deaths, 1,080.
Do.....	Dec. 28-Feb. 7.....	92	38	
Straits Settlements:				
Singapore.....	Oct. 5-Dec. 27.....	15	14	
Do.....	Dec. 28-Jan. 17.....	4	2	
Sumatra:				
Deli.....	Oct. 1-31.....	1	1	
Medan.....	Nov. 1-30.....	1	1	

### PLAGUE.

Argentina:				
Rosario.....	Dec. 1-31.....		7	
Brazil:				
Bahia.....	Nov. 9-15.....	1	1	
Do.....	Jan. 25-Feb. 28.....	2	2	
Porto Alegre.....	Nov. 1-30.....	.....	3	
Rio de Janeiro.....	Nov. 2-Dec. 27.....	9	4	
Do.....	Jan. 11-17.....	1	.....	
British East Africa:				
Kisumu.....	Sept. 28-Nov. 1.....	6	6	Dec. 14-20, 1919: Present in vicinity. Feb. 15-21, 1920: Present in vicinity.
Do.....	Feb. 1-7.....	1	1	
Mombassa.....	Feb. 1-21.....	14	14	
Ceylon:				
Colombo.....	Oct. 26-Dec. 27.....	36	35	
Do.....	Dec. 28-Feb. 21.....	42	20	
Chile:				
Antofagasta.....	Dec. 8-14.....	1	.....	
Do.....	Feb. 8-14.....	1	.....	
China:				
Hongkong.....	Dec. 7-13.....	1	.....	
Do.....	Feb. 1-7.....	1	1	
Ecuador:				
Guayaquil.....	Nov. 1-31.....	2	.....	
Do.....	Jan. 1-Feb. 28.....	31	3	
Egypt:				
Cities—				
Alexandria.....	Dec. 3.....	1	1	Jan. 1-Dec. 25, 1919: Cases, 867; deaths, 469. Jan. 1-Mar. 11, 1920: Cases, 81; deaths, 48. From vessel Rachid Pacha from Constantinople, Saloniki, and Smyrna.
Do.....	Feb. 18.....	1	1	
Port Said.....	Feb. 13.....	1	.....	
Suez.....	Feb. 1-Mar. 5.....	3	2	
Provinces—				
Assiout.....	Nov. 15-21.....	30	17	
Do.....	Jan. 13-Mar. 9.....	48	24	
Fayoum.....	Mar. 2.....	1	1	
Girgeh.....	Mar. 4-5.....	3	3	
Minieh.....	Mar. 1-8.....	9	2	
Greece:				
Saloniki.....	Oct. 6-Dec. 21.....	19	7	
Hawaii:				
Kaloha.....	Feb. 23-Mar. 23.....	1	2	

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

**Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.**

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Oct. 19-Dec. 27, 1919: Cases, 31,542; deaths, 23,443. Dec. 28, 1919-Feb. 21, 1920: Cases, 36,592; deaths, 29,540.
Bombay.....	Oct. 19-Dec. 27.....	6	6	
Do.....	Jan. 4-Feb. 14.....	13	11	
Calcutta.....	Jan. 25-31.....	1	1	
Karachi.....	Nov. 9-29.....	3	2	
Do.....	Jan. 11-Feb. 28.....	3	1	
Madras Presidency.....	Nov. 9-Dec. 27.....	1,068	704	
Do.....	Dec. 28-Mar. 6.....	4,037	2,968	
Madras.....	Jan. 25-Feb. 14.....	4	2	
Rangoon.....	Nov. 2-Dec. 27.....	29	27	Oct. 19-Nov. 1, 1919: Cases, 10; deaths, 7.
Do.....	Dec. 28-Feb. 21.....	235	225	
Indo-China:				
Saigon.....	Oct. 27-Dec. 7.....	11	9	
Do.....	Jan. 26-Feb. 7.....	1	1	
Java:				
East Java.....				Sept. 28-Dec. 31, 1919: Cases, 1,500; deaths, 1,499. Surabaya Residency, Jan. 1-31, 1920: Cases, 25; deaths, 25.
Surabaya.....	Jan. 1-14.....	11	11	
Mesopotamia:				
Bagdad.....	Jan. 3-9.....	1	1	
Peru:				
Callao.....	Nov. 1-30.....		3	
Paita.....	Dec. 29-Jan. 17.....	23	17	
Sa'averry (Trujillo).....	Nov. 23-Dec. 21.....	9	1	Present in surrounding country and in vicinity.
Do.....	Dec. 29-Mar. 7.....	33	18	
Senegal:				
Dakar.....	Nov. 1-30.....		143	Including Dakar and vicinity.
Siam:				
Bangkok.....	Dec. 14-20.....	4	2	
Do.....	Feb. 1-21.....	3	3	
Straits Settlements:				
Singapore.....	Oct. 26-Dec. 27.....	7	6	
Do.....	Jan. 4-Feb. 7.....	8	5	
Syria:				
Beirut.....	Dec. 22.....	29		
Turkey:				
Constantinople.....	Nov. 14-Dec. 20.....	11		Present Dec. 11, 1919. Nov. 14-20, 1919: Present in vicinity.
On vessel:				
S. S. Alps Maru.....	Feb. 28-Mar. 5.....	2	2	At Port of London, England. Vessel left Yokohama, Japan, Dec. 3, 1919; arrived Suez Jan. 21, 1920. Destination, Hamburg.
S. S. Kaiser-i-Hind.....	Nov. 28.....	3		At Port Said, Egypt. From Bombay, Nov. 15, for London.

**SMALLPOX.**

Algeria:				
Department—				
Algiers.....	Nov. 11-Dec. 31.....	65		
Do.....	Jan. 1-Mar. 10.....	88		
Constantine.....	Nov. 11-Dec. 31.....	15		
Do.....	Jan. 1-Mar. 10.....	38		
Oran.....	Nov. 11-Dec. 31.....	90		
Do.....	Jan. 1-Mar. 10.....	122		
South Territory.....	do.....	5		
Arabia:				
Aden.....	Dec. 24-30.....	1	1	
Do.....	Jan. 6-20.....		3	
Argentina:				
Rosario.....	Jan. 1-31.....		1	
Austria:				
Vienna.....	Nov. 23-Jan. 3.....	10		Nov. 23, 1919-Jan. 3, 1920: Cases, 13.
Belgium:				
Brussels.....	Dec. 28-Jan. 31.....		2	
Bolivia:				
La Paz.....	June 29-Dec. 27.....		216	Dec. 29, 1918-June 28, 1919: Cases, 86; deaths, 44. Dec. 14-20, 1919: Cases, 7; deaths, 5.
Do.....	Dec. 28-Feb. 21.....	25	38	

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

Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Brazil:</b>				
Bahia.....	Oct. 26-Nov. 22...	1,704	1,022	
Do.....	Dec. 28-Feb. 23...	531	384	
Para.....	Feb. 8-Mar. 27...	8	2	
Pernambuco.....	Nov. 10-Dec. 23...	123	9	
Do.....	Dec. 29-Jan. 11...	82	4	
Rio de Janeiro.....	Sept. 23-Dec. 27...	429	119	
Do.....	Dec. 28-Jan. 17...		13	
Santos.....	Nov. 24-30.....		1	
Do.....	Jan. 5-18.....		2	
<b>Canada:</b>				
<b>British Columbia—</b>				
Vancouver.....	Nov. 30-Dec. 6.....	1		
Do.....	Jan. 4-17.....	1		
<b>Manitoba—</b>				
Winnipeg.....	Jan. 11-Mar. 6.....	6		
<b>New Brunswick—</b>				
Gloucester County.....				Jan.-Mar., 1920: Cases, 14.
St. John.....	Jan. 29-Mar. 13.....	8		
<b>Nova Scotia—</b>				
Halifax.....	Dec. 21-27.....	2		
Do.....	Jan. 4-Feb. 14.....	4		
Sydney.....	Dec. 7-13.....	1		
Do.....	Dec. 28-Mar. 27.....	21		
<b>Counties—</b>				
Cumberland.....	Dec. 14-21.....			Present.
Gloucester.....				Oct.-Nov., 1919: Cases, 3.
Inverness.....	Dec. 14-21.....			Present.
Pictou.....	do.....			Do.
<b>Ontario.</b>				
Fort William and Port Arthur.....	Jan. 25-Apr. 3.....	7		Nov. 1-29, 1919: Cases, 1,673.
Hamilton.....	Dec. 14-21.....	3		Nov. 30-Dec. 6, 1919: Cases, 125, in 45 localities, exclusive of Dysart and Toronto. Dec. 1-31, 1919: Cases, 1,414; deaths, 2.
Do.....	Jan. 4-Apr. 3.....	32		Dec. 28, 1919-Mar. 27, 1920: Cases, 2,330; deaths, 35.
Kingston.....	Dec. 21-27.....	1		
Do.....	Dec. 28-Mar. 6.....	11		
North Bay.....	Jan. 11-Apr. 3.....	7		
Ottawa.....	Dec. 14-21.....	1		
Do.....	Dec. 28-Mar. 27.....	21	1	
Peterborough.....	Dec. 21-27.....	3		
Do.....	Dec. 28-Mar. 20.....	50	2	
Prescott.....	Jan. 4-10.....	1		
Sault Ste. Marie.....	Dec. 7-27.....	1		
Do.....	Dec. 28-Jan. 3.....	1		
Toronto.....	Dec. 7-27.....	727		
Do.....	Dec. 28-Mar. 27.....	862	7	
Windsor.....	Dec. 14-27.....	2		
Do.....	Mar. 21-27.....	2		
Prince Edward Island—				
Summerside.....	Feb. 14-21.....	3		In one family.
<b>Quebec—</b>				
Bonaventure and Gaspé.....	Jan. 1-Mar. 31.....	43		Counties.
Montreal.....	Dec. 7-27.....	3		
Do.....	Jan. 18-Apr. 3.....	22		
Quebec.....	Dec. 7-27.....	4		
Do.....	Jan. 4-Mar. 6.....	25		
<b>Saskatchewan—</b>				
Moosejaw.....	Dec. 28-Jan. 31.....			
Saskatoon.....	Dec. 14-21.....	1		
<b>Ceylon:</b>				
Colombo.....	Nov. 16-Dec. 13.....	10	9	
Do.....	Dec. 28-Feb. 11.....	10	2	
<b>China:</b>				
Amoy.....	Nov. 4-Dec. 22.....			Present. Dec. 22: Four deaths.
Do.....	Dec. 30-Feb. 6.....	1	5	
Canton.....	Nov. 2-Dec. 27.....			Present.
Do.....	Dec. 28-Feb. 28.....			Do.
Chungsha.....	Jan. 4-10.....	55		Do.
Chungking.....	do.....			Do.
Do.....	Dec. 28-Jan. 24.....			Do.
Dairen.....	Feb. 3-9.....	1		Do.
Foochow.....	Nov. 16-Dec. 27.....			Do.
Do.....	Dec. 28-Mar. 6.....			Do.
Hangkow.....	Feb. 29-Mar. 6.....	1	1	
Hongkong.....	Jan. 25-31.....	1		

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

**Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Mukden.....	Jan. 18—Feb. 23.....			Present.
Nanking.....	Dec. 6—27.....			Do.
Do.....	Dec. 23—Feb. 7.....			Do.
Shanghai.....	Dec. 22—28.....	2		
Tientsin.....	Feb. 1—7.....	1		
Chosen (Korea):				
Chemulpo.....	Dec. 1—31.....	1	1	
Do.....	Jan. 1—Feb. 29.....	10	3	
Fusan.....	Oct. 1—Dec. 31.....	12	1	
Do.....	Feb. 1—29.....	1		
Seoul.....	Oct. 1—Dec. 31.....	19	4	
Do.....	Jan. 1—Feb. 29.....	162	44	
Colombia:				
Barranquilla.....	Nov. 16—Dec. 20.....	50	2	
Do.....	Jan. 11—Mar. 6.....	500	4	Stated to be epidemic, Jan. 13-24, 1920. About 200 cases, Feb. 1-14.
Cuba:				
Habana.....	Jan. 31.....	4		Children living in same house.
Czecho-Slovakia:				
Prague.....	Feb. 8—28.....	2	1	
Egypt:				
Alexandria.....	Nov. 12—Dec. 16.....	32	22	
Do.....	Jan. 1—Mar. 11.....	97	45	
Cairo.....	Oct. 1—Dec. 23.....	64	31	
Do.....	Jan. 1—Feb. 4.....	24	8	
Port Said.....	Oct. 1—Dec. 23.....	13	6	
Do.....	Jan. 1—21.....	28	9	
Finland:				
Provinces				July 16—Dec. 31, 1919: Cases, 83, Jan. 15-31, 1920: Cases, 14.
Abo Och Borneborg.....	Nov. 1—15.....	1		
Nyland.....	July 16—Dec. 15.....	29		
St. Michael.....	Dec. 1—15.....	7		
Tavastehus.....	July 16—Dec. 31.....	7		
Do.....	Jan. 15—31.....	6		
Vasa.....	Dec. 1—31.....	2		
Do.....	Jan. 25—31.....	8		
Viborg.....	July 16—Dec. 31.....	37		
France:				
Paris.....	Jan. 1—31.....	3	2	
Germany.....				
Prussia.....	Oct. 29—Nov. 29.....	1,100	323	Oct. 5-15, 1919: Cases, 32. In addition to previously reported cases; Sept. 23—Dec. 6, 1919: Cases, 175 (exclusive of Prussia). Dec. 7, 1919—Jan. 17, 1920: Cases, 217.
Great Britain:				
Glasgow.....	Feb. 29—Mar. 6.....	3		
London.....	Feb. 22—28.....	4		
Greece:				
Saloniki.....	Nov. 10—Dec. 28.....	26	26.	
Do.....	Dec. 9—Feb. 29.....	48	41	In vicinity: Drama, cases, 2; Zagoritzani, 9 cases, 1 death; Serres, 1 case.
Hungary.....				Nov. 3—Dec. 7, 1919: Cases, 15.
India.....				Oct. 19—Dec. 27, 1919: Deaths, 3,421; Jan. 4—Feb. 14, 1920: Deaths, 6,890.
Bombay.....	Oct. 12—Dec. 20.....	46	11	
Do.....	Dec. 23—Feb. 21.....	128	43	
Calcutta.....	Oct. 26—Dec. 27.....	186	260	
Do.....	Dec. 23—Feb. 14.....	1,064	919	
Karachi.....	Dec. 21—27.....	6	2	
Do.....	Jan. 18—Feb. 28.....	30	20	
Madras.....	Nov. 2—Dec. 27.....	31	13	
Do.....	Dec. 23—Mar. 6.....	68	15	
Rangoon.....	Oct. 19—Dec. 27.....	51	18	
Do.....	Dec. 23—Feb. 21.....	91	30	
Indo-China:				
Saigon.....	Oct. 27—Nov. 23.....	2		
Do.....	Jan. 19—25.....	2		
Italy:				
Genoa.....	Jan. 5—Mar. 7.....	26		Province: Nov. 17—Dec. 23, 1919: Cases, 15; deaths, 3. Jan. 12-18, 1920: Cases, 12.
Leghorn.....	Jan. 4—Mar. 15.....	8		
Messina.....	Nov. 10—Dec. 28.....	55	8	Province of Messina: Dec. 14-23, 1919: Cases, 68. Jan. 3—Mar. 1, 1920: Cases, 144; 2 deaths.
Do.....	Dec. 23—Mar. 7.....	37	6	



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

Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.

### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy—Continued.				
Milan.....	Oct. 1—Dec. 31.....	15	2	
Naples.....	Dec. 28—Feb. 15.....	13	17	
Palermo.....	Dec. 27—Mar. 8.....	4	3	
San Fratello.....	Dec. 1—28.....	49	5	
Do.....	Dec. 29—Mar. 7.....	29	1	
Trieste.....	Jan. 3—10.....	2		
Turin.....	Dec. 28—Feb. 15.....	5		
Japan:				
Kobe.....	Dec. 15—21.....	1		
Do.....	Feb. 23—29.....	1		
Nagasaki.....	Feb. 2—8.....	1	1	
Taiwan.....	Nov. 1—31.....	36	7	Entire island.
Do.....	Jan. 1—Feb. 29.....	364	116	Do.
Yokohama.....	Feb. 1—29.....	19		
Java:				
East Java.....				Sept. 28—Dec. 18, 1919: Cases, 34.
Residency—				Jan. 4—7, 1920: Cases, 1.
Surabaya.....	Oct. 25—Dec. 18.....	26		
Do.....	Jan. 1—7.....	1		
West Java.....				Oct. 17—Dec. 25, 1919: Cases, 659;
Batavia.....	Oct. 17—Dec. 12.....	49	22	deaths, 151. Jan. 2—Feb. 19,
Do.....	Jan. 2—Feb. 19.....	14	6	1920: Cases, 345; deaths, 61.
Do.....	Feb. 15—29.....	3		
Luxemburg.....				
Manchuria:				
Dairen.....	Mar. 2—8.....	1		
Mesopotamia:				
Bagdad.....	Jan. 10—30.....	5		
Mexico:				
Acapulco.....	Nov. 9—15.....	2		
Chihuahua.....	Dec. 21—27.....	3	3	
Do.....	Jan. 11—Mar. 20.....	3	3	
Ciudad.....	Jan. 11—Feb. 7.....		2	
Guadalajara.....	Dec. 1—31.....	1		
Do.....	Jan. 1—31.....	1		
Mexico City.....	Nov. 16—Dec. 20.....	11		
Do.....	Feb. 15—28.....	2		
Salina Cruz.....	Feb. 1—29.....	18		
San Luis Potosi.....	Dec. 14—20.....		1	
Do.....	Jan. 18—Apr. 4.....		7	
Tehuantepec.....	Dec. 25—31.....	6		
Do.....	Jan. 1—Feb. 27.....	73		
Newfoundland:				
St. Johns.....	Dec. 20—26.....	3		Dec. 13—26, at outports, 6 cases.
Do.....	Dec. 27—Mar. 5.....	13		Present at 8 other localities.
				Outports, Dec. 27, 1919—Mar. 12,
				1920: Cases, 25. Present at
				other localities. Mar. 25: Pres-
				ent at outports.
Panama:				
Colon.....	Dec. 15—21.....	1		
Portugal:				
Lisbon.....	Nov. 30—Dec. 27.....		55	
Do.....	Dec. 28—Feb. 28.....		101	
Oporto.....	Dec. 7—20.....	5	5	
Do.....	Dec. 28—Jan. 3.....	1	1	
Portuguese East Africa:				
Towns—				
Chai-Chai.....	Feb. 1—7.....	1		
Chinde.....	Dec. 28—Jan. 25.....	21		
Inhambane.....	Dec. 7—27.....	7		
Do.....	Jan. 4—Feb. 28.....	11		
Lourenco Marquez.....	Nov. 23—Dec. 20.....	9		
Do.....	Feb. 15—28.....	7		
Mozambique.....	Dec. 7—27.....	2		
Quelimane.....	do.....	4		
Do.....	Jan. 4—Feb. 28.....	12		
Tete.....	Dec. 7—27.....	1		
Siberia:				
Vladivostok.....	Dec. 19—31.....	17	3	
Spain:				
Barcelona.....	Nov. 6—Dec. 27.....		26	
Do.....	Dec. 8—Mar. 4.....		38	
Bilbao.....	Nov. 1—Dec. 20.....		4	
Do.....	Feb. 10—20.....	1		

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

**Reports Received from Dec. 27, 1919 to Apr. 23, 1920—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Spain—Continued.				
Cadiz.....	Oct. 1–Nov. 30.....	.....	6	
Madrid.....	Feb. 1–29.....	.....	9	
Valencia.....	Nov. 10–Dec. 27.....	39	9	
Do.....	Dec. 28–Mar. 20.....	129	16	
Vigo.....	Nov. 18–Dec. 27.....	14	.....	
Do.....	Dec. 28–Jan. 31.....	2	3	Jan. 11–17, 1920: Present in vicinity.
Sumatra:				
Medan.....	Oct. 1–31.....	8	.....	
Tunis:				
Tunis.....	Dec. 23–29.....	1	.....	
Do.....	Jan. 19–Mar. 14.....	6	5	
Turkey:				
Constantinople.....	Nov. 9–Dec. 14.....	27	.....	
Do.....	Feb. 18–24.....	5	3	
Union of South Africa:				
Johannesburg.....	Oct. 1–Dec. 31.....	21	.....	
Do.....	Jan. 1–31.....	5	.....	
On vessel:				
S. S. Roggeveen.....	.....	1	.....	Vessel from Java; at Noumea, New Caledonia. Case left at Noumea. Vessel arrived at Sydney, Jan. 2, 1920.
S. S. Sarcocix.....	Dec. 23.....	1	.....	At Ponta Delgada, Azores, from Rotterdam for New York.
S. S. Vestnorge.....	Jan. 15.....	1	.....	Mild. At Kingston, Jamaica, from Philadelphia, via Norfolk.

**TYPHUS FEVER.**

Algeria:				
Departments—				
Algiers.....	Dec. 11–31.....	2	.....	Algiers (city), Jan. 1–31, 1920: Cases, 1; deaths, 1.
Do.....	Jan. 11–Feb. 29.....	3	.....	
Constantine.....	Nov. 11–Dec. 31.....	2	.....	
Do.....	Jan. 1–Feb. 20.....	22	.....	
Oran.....	Nov. 21–Dec. 11.....	5	.....	
Do.....	Jan. 21–Feb. 29.....	88	.....	
Austria:				
Vienna.....	Sept. 7–Jan. 3.....	38	.....	Sept. 7, 1919–Jan. 3, 1920: Cases, 59.
Belgium:				
Ghent.....	Jan. 25–31.....	.....	2	
Bolivia:				
La Paz.....	June 29–Dec. 20.....	30	31	Dec. 29, 1918–June 28, 1919: Deaths, 52.
Do.....	Jan. 4–Feb. 21.....	13	9	
Brazil:				
Ceara.....	Jan. 4–10.....	1	.....	
Porto Alegre.....	Feb. 1–7.....	.....	1	
Bulgaria:				
Sofia.....	Dec. 21–31.....	2	1	
Do.....	Jan. 1–Feb. 21.....	3	.....	
Varna.....	Feb. 2–8.....	110	.....	To Feb. 21: Present.
Vratza.....	Jan. 25–31.....	.....	.....	Present. Also in vicinity.
Canada:				
Ontario Province.....	.....	.....	.....	Dec. 1–31, 1919: One case.
Chile:				
Antofagasta.....	Nov. 17–Dec. 14.....	14	.....	
Santiago.....	.....	.....	.....	Jan. 12–Sept. 30, 1919: Cases, 5,153; deaths, 1,023. Outbreak in October, 1918.
Valparaiso.....	Nov. 9–Dec. 27.....	955	114	Dec. 1–13, 1919: Cases, 700; deaths, 18.
Do.....	Dec. 28–Mar. 6.....	235	95	
China:				
Antung.....	Nov. 3–Dec. 14.....	2	.....	
Tientsin.....	Feb. 1–7.....	1	.....	
Czecho-Slovakia:				
Prague.....	Dec. 21–27.....	1	.....	
Do.....	Jan. 25–Feb. 7.....	2	1	

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Alexandria.....	Nov. 12-Dec. 16...	6	1	
Do.....	Jan. 1-Mar. 11.....	78	23	
Cairo.....	Oct. 1-Dec. 23.....	113	46	
Do.....	Jan. 1-Feb. 4.....	34	16	
Port Said.....	Oct. 1-Dec. 16.....	3	1	
Do.....	Jan. 15-28.....	1	1	
Estonia.....				Feb. 16, 1920: Cases, 7,500 to 8,000. Estimated mortality, 40 per cent.
Narva.....	Feb. 16.....	2,500		
Reval.....	do.....	2,500		
Finland:				
Province—				
Viborg.....	July 16-31.....	2		
Germany.....				Oct. 5-Dec. 6, 1919: Cases, 10—civil population, 3; military, 4; repatriated soldiers, 3. Dec. 7, 1919-Jan. 17, 1920: Cases, 73, of which 28 in civil population, including 10 Polish workmen; 45 among German troops.
Great Britain:				
Belfast.....	Dec. 28-Jan. 3.....	1	1	
Glasgow.....	Nov. 30-Dec. 6.....	2		
Greece:				
Cavalla.....	Nov. 17-Dec. 28.....	4		
Drama.....	Nov. 24-Dec. 28.....	6		
Salonica.....	Oct. 6-Dec. 21.....		43	
Do.....	Dec. 28-Feb. 29.....	93	9	In vicinity, at Cavalla, 1 case; Prani, 1; Vertekep, 6 cases; Zagoritzani, 3.
Thassos Island.....	Dec. 22-28.....	1		Aug. 25-Dec. 7, 1919: Cases, 36.
Zihna.....	do.....	1		
Hungary.....				
Budapest.....	Nov. 3-Dec. 7.....	18		
Italy:				
Brindisi.....	Dec. 22-28.....	1		
Naples.....	Jan. 19-25.....	2	1	
Trieste.....	Dec. 14-27.....	3		
Do.....	Dec. 28-Feb. 3.....	5	2	
Venice.....	Nov. 17-Dec. 21.....	6	1	
Japan:				
Nagasaki.....	Dec. 1-28.....	4	2	
Do.....	Jan. 12-Feb. 22.....	4	1	
Mexico:				
Chihuahua.....	Dec. 21-27.....	2		
Do.....	Jan. 11-17.....		1	
Mexico City.....	Nov. 16-Dec. 27.....	129		
Do.....	Dec. 28-Feb. 28.....	188		
Saltillo.....	Nov. 1-30.....	2	1	
Do.....	Mar. 28-Apr. 3.....	1		
San Luis Potosi.....	Dec. 14-27.....			Present.
Do.....	Dec. 28-Mar. 28.....			Present. Mar. 29-Apr. 4, 1920: 1 death.
Paraguay:				
Asuncion.....	Nov. 30-Dec. 6.....	1		
Peru:				
Callao.....	Nov. 1-30.....		1	
Cerro de Pasco.....	Dec. 7-13.....	1		
Poland:				
Galicja (Province).....	Nov. 1-30.....	5,716	616	Nov. 1-30, 1919: Cases, 11,264; deaths, 942. Including Province of Posen.
Warsaw.....	do.....	107	19	Oct. 1-31, 1919: Cases, 129; deaths, 12.
Portugal:				
Lisbon.....	Dec. 6-12.....		2	
Oporto.....	Dec. 21-27.....	1		
Russia.....				Mar. 4, 1920: Reported present in nearly all Black Sea ports.
Siberia:				
Vladivostok.....	Dec. 25-31.....	23	13	
Spain:				
Barcelona.....	Nov. 20-26.....	7		
Bilbao.....	Dec. 22-31.....		1	
Corunna.....	Nov. 24-Dec. 7.....	2		
Madrid.....	Jan. 1-31.....		1	
Tunis:				
Tunis.....	Dec. 14-20.....	1		
Do.....	Dec. 29-Mar. 7.....	4	2	

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

**Reports Received from Dec. 27, 1919, to Apr. 23, 1920—Continued.**

**TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Turkey:				
Constantinople.....	Nov. 14-Dec. 27....	49		Increase reported due to influx of Russian refugees. About 15 miles distant from Constantinople. In Sea of Marmora.
Do.....	Feb. 8-28.....	54	3	
Princes Islands.....	do.....	50		

**YELLOW FEVER.**

Brazil:				
Bahia.....	Oct. 26-Nov. 8....	1	2	The cases were sent from Opichen, vicinity of Muna. One death in case from Muna. Total to Dec. 27: Cases, 47; deaths, 21.
Mexico:				
Campeche.....	Dec. 20.....	1		
Merida.....	Dec. 7-27.....	4	2	
Do.....	Dec. 28-Mar. 20....	2		