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MOSQUITOES AND BATS.

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The insect-feeding habits of bats have long been known, and that among these insects are mosquitoes is also a matter of ancient knowledge. In a work entitled "A History of British Mammals," by G. E. H. Barrett-Hamilton, Part II, November, 1910, page 115, in writing about the bat of England, or flitter mouse (*Pipistrellus pipistrellus*), the writer says "The fondness of this animal for different species of gnats has been observed from the time when Pliny wrote (although probably of a different species) '*et in cibatu culices gratissimi*,' and it is probable that these little flies constitute no small part of its usual food." This would indicate that knowledge of the mosquito-feeding habits of bats dates back to the Roman times.

In modern times I find a note on page 221 of Entomological News for September, 1901, in an account of the meeting of the Feldman Collecting Social (a social entomological society of Philadelphia), held June 10, 1901, the following words: "Mr. Seiss mentioned dissecting a specimen of the common brown bat whose stomach was full of mosquitoes." This quotation was printed on page 179 of Volume I, of the Monograph of the Mosquitoes of North and Central America and the West Indies, Carnegie Institution of Washington, 1912 (Howard, Dyar, and Knab), with the following general statement under the central heading "Bats:" "Bats are important mosquito-destroying animals. Flying at dusk and after dark and capturing all flying insects upon the wing, they devour large numbers of adult mosquitoes in times of mosquito prevalence." It is further stated in the same place that the suggestion has been made by Mr. A. C. Weeks, of Brooklyn, that an attempt be made to breed bats artificially on account of their importance as mosquito destroyers. I can not remember the earliest date on which Mr. Weeks made this suggestion to me, but he has done it many times on occasions of my annual visits to Brooklyn, which began in 1894 and continued until recently. In the same place attention was called to the building of a bat breeding-house near San Antonio, Tex., by Dr. Charles A. R. Campbell of that city, whose idea was

¹ Read at the Third Annual Meeting of the New Jersey Mosquito Extermination Association, Atlantic City, N. J., Feb. 17-18, 1916, and published in the Proceedings of the Meeting.

that the bats would become sufficiently numerous in this special nesting-place to rid the neighborhood of night-flying mosquitoes, calling attention to the fact that the expense of the building would be more than paid by the collection of the resulting bat guano.

Previous to the publication of the Carnegie Monograph there had appeared a privately printed pamphlet by Edward Cecil Bessellieu, of Charleston, S. C., in 1906, in which he urged the construction of bat-roosts for the purpose of doing away with mosquitoes and malaria. He wrote: "Nature's plea to man is in this connection 'Build and maintain bateries,' encourage the bat to multiply and release him in malarious localities, and find 'surcease of sorrow.' "

In 1910 Dr. Charles A. R. Campbell, of San Antonio, Tex., who had been corresponding with me for a number of years about other matters, sent me a long article on the practical use of bats in ridding a locality of malaria, and wrote me at the same time that he proposed to make the study of bats his life's work; that he advanced the idea of cultivating bats on account of their insect-destroying qualities more than 10 years previously, but that 2 years before (1908) he gained the idea of the commercial element of gathering the guano collecting at a specially constructed roost. This idea he got by watching bats defecate and weighing the product. His idea was that the hygienic value of the roost would not cause it to be built, but that the dollars and cents would, and the hygienic value would follow. He had constructed a roost at the experimental farm of the Bureau of Plant Industry of the U. S. Department of Agriculture, some 6 miles south of San Antonio, and since that time he has published a number of newspaper articles, has secured the indorsement of the San Antonio Academy of Medicine and the Bexar County Medical Society, and the idea of bat roosts in malarious localities has thus spread far and wide over the country and is naturally attractive on account of its simplicity and on account of the possible commercial gain.

I have not looked into the question of commercial gain, but from the standpoint of mosquito destruction and consequent relief from malaria, I have felt impelled to make certain investigations, which, however, have not gone so far as to induce actual experimentation by the erection of an experimental bat-roost in any part of the country.

Rather glowing claims are made in San Antonio concerning the disappearance of malaria in the vicinity of the bat-roosts erected, and these are fortified by the sworn statements of certain Mexican families residing in the neighborhood before and after the roosts were erected.

During 1913 and 1914 I directed Mr. F. C. Bishopp, in charge of the field laboratory of the Bureau of Entomology at Dallas, Tex.,

to visit San Antonio and investigate the Campbell bat-roost and the relation of bats to mosquitoes and the prevalence of malaria. Mr. Bishopp went to San Antonio on several occasions and made observations concerning bats and mosquitoes, not only there but at Uvalde and along the foothills north of that town where myriads of the common bat of that region live in the numerous limestone caves. He reported that Dr. Campbell's first bat-roost was built in 1909 on the Experimental Farm of the Bureau of Plant Industry of the Department of Agriculture, but the bats were not induced to live in this roost; at the time of Mr. Bishopp's visit it was not occupied by them. In 1910 another bat-roost, with slight modifications, was built at the head of Mitchell Lake, some 10 miles from San Antonio. This lake is formed by the sewage from the city of San Antonio, and certain portions of its margins seemed to offer excellent breeding places for malarial mosquitoes. The bats were successfully established in this building, and at the time of one of Mr. Bishopp's visits, August 26, 1914, the emergence flight of the bats was noticed. He estimated that not to exceed nine thousand bats emerged, although Dr. Campbell estimated that the house is capable of accommodating 250,000 bats. At the time of this visit the amount of guano which had accumulated was almost negligible.

The district about Mitchell Lake is not within the corporate limits of San Antonio, and the cases of malaria had not been reported, so that no statistics are available to determine the relative prevalence of the disease before and since the construction of the roost. Inquiry which Mr. Bishopp made among the employees of the land company, with headquarters at the lower end of the lake, about 3 miles from the roost, seemed to show that there was no apparent difference in the abundance of mosquitoes or the prevalence of malaria before and after the construction of the roost. In all cases the inhabitants reported mosquitoes to be extremely abundant, and the company's store reported that there was a good demand for chill tonics. Around the head of the lake, near the bat-roost, the Mexicans interviewed reported favorably on the effect of the roost. Mr. Bishopp, however, made an examination of the premises of one of these Mexican tenants, about one-third of a mile from the roost, and found that mosquitoes were present in exceedingly large numbers. They were hidden in the dark corners of the chicken-house and the calf-pen, but no examination was made of the dwelling. All were *Anopheles pseudopunctipennis*. It appears from Mr. Bishopp's report that San Antonio is in a region where bats are normally extremely abundant. The prevalent species is the free-tailed bat, *Nyctinomus mexicanus*, a species which roosts in great numbers in deserted houses (in large numbers in that vicinity), and the numerous caves among the hills several miles away furnish suitable breeding

places for great numbers, which come into the plains nightly for the purpose of feeding. The report further states that at Uvalde, and in the foothills to the northward; where bats are extremely abundant, mosquitoes often cause considerable annoyance at night. On certain occasions when Mr. Bishopp's party camped in the foothills not far from where millions of bats roost, they were annoyed by night-flying mosquitoes. A marked illustration of how mosquitoes may breed in great numbers in the presence of great numbers of bats is shown by an observation which Mr. Bishopp's party made at the time of one of their visits to the Frio bat-cave north of Uvalde. It seems that the bat guano is removed from this cave once or twice a year and that during this process the workmen camp at the cave for about two weeks. When they reached the cave in the fall of 1914 they were greatly annoyed at night by mosquitoes, which were said to be more abundant than they had ever seen them anywhere. When they entered the cave they found that they had left a barrel of water in its mouth the previous spring and that this was responsible for the pests, which disappeared in a few days after the barrel had been emptied.

Mr. Bishopp collected a considerable number of bats as they returned to the bat-cave, and preserved the stomachs; and a large number of slide mounts of the stomach contents of the bats so taken were examined by specialists in the U. S. National Museum. On the first lot of slides the only insect remains which were recognized were scales, legs, antennæ, wings, and bodies of Lepidopterous insects (small moths). They were too badly disintegrated for close naming. In the second series of slides were found remains of Carabidæ, especially *Agonoderus*; of Jassidæ, especially *Agallia*; of Tipulidæ, the eggs of Noctuidæ, and the eggs and remains of other Lepidoptera. Nothing resembling mosquito remains was found in the entire series. During the fall of 1914, and on a few occasions in 1915, the feeding habits of this bat were observed by Mr. Bishopp about arc-lights. They were repeatedly seen catching moths of various kinds, and seemed to show an especial liking for very large noctuids, which were quickly devoured. His conclusions on the whole are that these bats are very general insect feeders, seeming to show a decided preference for moths; but he considers it probable that a good many mosquitoes are destroyed among the other insects, especially when larger insects are scarce.

Mr. Bishopp's description of the Campbell bat-roost is as follows:

The Campbell bat-roost consists of a sort of tower set on four posts about 10 feet above the ground. According to Dr. Campbell, the size of the roost may be varied considerably. As I recall them, the dimensions of the roost at Mitchell Lake are about as follows: Twelve feet square at the bottom, the walls slanting inward toward

the top, which is about 6 feet square. Height, about 20 feet. On the outside, the building is covered with drop siding with tar paper beneath. The roof is shingled and projects over the edges. It is slightly elevated so as to permit of the entrance and exit of the bats. Additional entry space is allowed entirely down one side of the building. This opening, which is about 2½ feet wide, is provided with boards slanting upward so as to exclude light to some extent but allows the bats to enter between them. The central portion of the house from the side provided with the entrance to the opposite side is unobstructed from top to bottom, thus leaving an air space about 2½ feet wide. On each side of the shaft, and running to the two other sides of the building, is a series of shelves made of matched flooring. These shelves slant upward and outward at an angle of about 30°. In the first house constructed, these shelves were about 5 inches apart, but I believe in the later model they are closer together. Wire netting is tacked on top of each of the shelves so as to provide places for the bats to hang. The slant is given so as to allow the guano to roll down and drop into the center of the bottom structure, which is provided with trapdoors opening downward. This is to permit of the emptying of the manure into a wagon which is placed under the roost.

The following interesting letter bearing on this subject was received in 1912 from Dr. Byrd, the well-known health officer of Florida:

STATE BOARD OF HEALTH OF FLORIDA,
Jacksonville, Fla., June 26, 1912.

DR. L. O. HOWARD,
Chief of Bureau of Entomology,
Washington, D. C.

DEAR DOCTOR: Some 20 years ago, perhaps longer, at Tavares, Fla., a development company undertook to build a winter resort. Tavares was at the time a small municipality with perhaps two or three hundred inhabitants, located among the lakes in the southern part of the State.

Among the earlier efforts at development an opera house was constructed, but owing to the freeze of 1895 it was never completed. The municipality never grew to amount to anything; in fact, I think the number of inhabitants now is what it was about then. The doors and windows of the lower floor of this opera house were securely fastened up to keep intruders out, but the upper windows were only closed by loose boards, which soon dropped out, making it easily accessible to bats. They took advantage of it, and in the course of a few years were there in countless thousands. I know of no way of estimating the number, but you may get some idea of it from the fact that the only time I was ever there at the right hour was on a trip to Eustis. The train stopped at Tavares one-half hour before sunset, and remained there something like 45 minutes. I took advantage of the occasion to see the bats emerge from the building. I had only been watching a few minutes when they began, first a single one, then two or three together, and as if the rustle started them, then they began seriously flying out of the window with incredible swiftness. There must have been at least half a hundred a second. I watched this stream of bats pouring out for half an hour or so, and was told by some of the residents of Tavares that it would continue until something like half an hour after dark, making probably two hours altogether.

It was on this trip, now seven years ago, that I was making some mosquito observations, and I have to confess that I have never seen more mosquitoes in the interior of the State than I saw at that time.

Some two years ago the opera house in question was cleaned out and converted into a packing house. I have since made inquiry of the citizens in the vicinity of Tavares and Eustis, as to whether they have experienced any appreciable difference in the number of mosquitoes now and when the bat-roost was at its height, and am convinced that the difference, to say the least, is not such as to cause one to notice it.

Again thanking you for your information, I am very truly and cordially yours,
(Signed) HIRAM BYRD.

The present month I applied to Dr. E. W. Nelson, Acting Chief, U. S. Biological Survey, for his expert opinion on this matter, and have received the following statement:

MEMORANDUM CONCERNING THE USEFULNESS OF BATS AS DESTROYERS OF MALARIA-CARRYING MOSQUITOES.

The matter of the usefulness of bats in the destruction of mosquitoes has been greatly exaggerated by the newspaper exploitation of Dr. Campbell's experiments near San Antonio, Tex. All of these articles, as well as Dr. Campbell's statement of his case, which I have read in full detail, appear to ignore the fact that there are many species of bats (each with its peculiar geographic distribution) with greatly varying habits. Only extremely few species gather in large number to roost. Among these the species inhabiting Dr. Campbell's artificial roost near San Antonio is perhaps the most gregarious of all. The bat on which Dr. Campbell is experimenting is *Nyctinomus mexicanus*, a small free-tailed bat of wide distribution along the southern border of the United States and thence southward through Mexico and the Tropics. These bats commonly roost in very great numbers in dry caves, about the roofs of houses, gables of churches, and similar places. They swarm out at night and fly over many miles of territory, not concentrating their hunt for food in definite areas as would be necessary to clean up the mosquitoes. Furthermore, examination of the food contents of the stomachs and excrement of these bats, while showing that mosquitoes are eaten by them, fails to show that these insects form any considerable part of their food.

I spent some years studying the birds and mammals of Mexico and lived a large part of that time in places where these bats are extremely abundant. Their presence in no case appeared to have the slightest influence on the prevalence of malaria. I have lived in many Mexican villages and ranches where malarial mosquitoes were swarming about the house while these bats were living in the roofs in great numbers, apparently without having the slightest influence on the number of mosquitoes present.

I have seen Dr. Campbell's statement of his case in regard to the supposed benefit from his bat-roost to the city of San Antonio. It appears evident that he fails to appreciate the fact that there are a considerable number of different species of bats living in the vicinity of San Antonio and which may be seen flying about in company with the species which inhabits his roost. I doubt if he has given the food habits of these animals sufficiently close scientific study. Owing to the popular appeal of his experiment and to his positive statements of results, his plan has received widespread and unwarranted newspaper notoriety.

As already stated, bats have distinct geographic ranges, commonly limited by climatic conditions. The bats from northern localities either migrate to warmer climates during the winter or hibernate in caves, hollow trees, or similar sheltered places. The bats from the northern States would certainly not colonize and remain permanently in the South. Neither would the bats which inhabit Dr. Campbell's bat-roost remain in the North beyond their climatic range. These bats belong to the Lower Sonoran and Tropical Zones. It is probable that within proper climatic conditions the bat being experimented upon by Dr. Campbell might be colonized

by building similar roosts or shelters to those he employs and wetting the interior with a solution of bat guano from the same species. This, I think, would attract any of these animals in the vicinity, and they probably would adopt the building as their own. This is the species of bat which inhabits the bat-guano caves of Texas. These bats and their excrement have an extremely offensive odor, which is strongly apparent about any house where they live.

In reference to the practicability of getting results by building bat-roosts in New Jersey and Pennsylvania, I would say that there is no species of bat belonging to the climatic condition found in those States which colonizes in any such swarming numbers as does the bat inhabiting Dr. Campbell's roosts. Consequently, I do not think there would be the remotest chance of successfully attracting any considerable number of these animals. Furthermore, even should a considerable number of the bats inhabiting the Middle United States be gathered in one locality, the knowledge of their food habits would indicate that their effect on mosquitoes of the district would be very slight.

E. W. NELSON,
Acting Chief Biological Survey.

In conclusion, I do not wish to be understood as entirely condemning the bat-roost idea. Dr. Campbell has been very courteous to me and to the bureau workers, and is enthusiastic about his plans. But it is obvious to me that rigid scientific experimentation must still be carried on before any of his conclusions are accepted, and, frankly, the field is not sufficiently promising to induce the government entomological service to spend money in this direction which can be used for more pressing needs.

It appears to be plain from Mr. Nelson's expert opinion that people in New Jersey need not expect any great reduction in mosquitoes to follow the erection of bat-roosts. If there is any one here who is still sanguine in this direction, I would urge him to erect a roost at his own expense and have the most careful scientific study of the results made by New Jersey's very able State Entomologist, Dr. Headlee.

In other words, the evidence in regard to southern bats is yet very conflicting, while even experimentation with northern bats seems not to justify the expense. Bats, however, do feed on injurious insects, and very likely should be protected, as the State of Texas is being urged to do.

THE ESTABLISHMENT AND CONDUCT OF CHILD HEALTH CENTERS.

PREPARED BY THE MISSOURI FORCE ENGAGED IN CHILD HYGIENE INVESTIGATION.

Recognizing the efficiency of unity of effort, the Public Health Service urges that all organizations interested in community and health improvement should combine with the State and local boards of health and form one big machine, under local leadership, for the purpose of campaigning for better health standards for children.

In communities that are without health officers, child health committees should be organized to cooperate with State boards of health for the purpose of promoting child health work. In fact, the success of child hygiene measures in any State will be materially enhanced by the cooperation of the various welfare organizations and the medical and dental professions. Such a local council might well be composed of a local representative from such organizations as the State Tuberculosis Association, the American Red Cross, Women's Christian Temperance Union, the Federated Woman's Clubs, the Chamber of Commerce, the Rotary Club, the Agricultural Extension Service of the State University, the Parent Teachers' Association, and other recognized volunteer agencies engaged or interested in health work.

The local health committees should define the scope of the work to be performed by the respective organizations represented on the committee, and secure funds for the establishment of health centers and the employment of community nurses, for publicity and the stimulation of attendance at health centers, and also for work in the schools during the school year, both paid and volunteer. The Service recognizes the value of the child health center in the scheme of child hygiene, and, as a part of the investigation and study of the problems affecting the health of children in the State of Missouri, which is now being carried on in cooperation with the State board of health, is urging local communities throughout the State to organize child health centers, and for this purpose has issued the following circular of information relative to the formation and conduct of such centers:

INSTRUCTIONS FOR THE ESTABLISHMENT AND CONDUCT OF CHILD HEALTH CENTERS.

One of the most effective plans for reducing infant mortality and promoting the health of babies and children of preschool age is the establishment of a baby health center. The average young mother has had no opportunity to learn how to care for her baby in a correct manner. Her little knowledge has been gained from friends and neighbors who, in turn, have learned in the same manner. Naturally, this knowledge handed-down by word of mouth and retold with variations is filled with superstitions and, at its best, is woefully inadequate.

For some unexplained reason, motherhood is one of the professions that has not been placed on a scientific basis. At school a girl has an opportunity to prepare herself for every profession except the one she most likely will follow. She spends months and even years preparing for a position that she will occupy for a few years until she marries, after which she enters into the profession of motherhood with no preparation except intuition. Is it any wonder that 1 out of every 10 babies born in the United States dies before it is a year old and that a large proportion of these deaths might have been prevented by proper care?

One of the most patriotic things a group of women can do in any community is to provide an opportunity for young mothers to learn how to care for their babies so as to help prevent the unnecessary deaths of 250,000 infant citizens of the United States every year.

A baby health center is essentially a place where young mothers can come to learn how to care for their babies and to which they can bring these babies to be examined, weighed, and measured so that they may know if they are thriving as they should.

The establishment of a baby health center is very simple if a few definite steps are followed. The first step is to form a committee consisting of one representative from each organization in the locality that is interested in child welfare, such as the medical profession, the dental profession, the Red Cross, local nursing organizations, commercial club or chamber of commerce, women's clubs, Boy Scouts, church organizations, local tuberculosis associations, parent-teachers' association, W. C. T. U., etc. This committee may be called together by any interested person and then should proceed to form a temporary organization by the election of a temporary chairman and secretary.

The next step, which may be taken by a subcommittee of this central committee, is to obtain two or more rooms in a central location for a health center. In the beginning, two rooms will be adequate, but as the work progresses, more will be needed. If only two rooms are to be obtained, one should be considered the waiting and class room and the other the examining room. Frequently these rooms can be obtained in the county court house, city hall or school house, so that there will be no question of rent. If it is necessary to pay rental for the rooms, the committee should secure funds to guarantee this for a year.

The third step is the furnishing of the rooms. Usually each of the various organizations will furnish a certain part, so that it will not be necessary to raise funds for this purpose. The waiting room should be provided with a number of plain chairs. The inner room should have some scales, a table, and three or four chairs. It is economy to purchase good scales in the beginning. Balance scales are more satisfactory than spring scales, as the latter are not accurate and are more likely to get out of order. Several firms now make special school scales with measuring rod, which are very satisfactory for health centers. The price is about \$30. This is the chief expense of the furnishings. The table, on which the baby is laid while being examined, may be a plain kitchen table.

In the beginning it is well to limit the activities of the baby health center to three afternoons a week. One afternoon should be devoted to baby clinics, one to classes for young mothers, and one to classes for expectant mothers or prenatal clinics.

Baby clinics.—One afternoon a week should be set aside for examination and weighing and measuring of babies and children of preschool age. This work should be conducted by a physician, assisted by a nurse. The first time a baby is brought to the clinic, it is weighed, measured, and examined thoroughly. Advice is given as to care necessary and a definite appointment is made for the next visit, usually in two weeks. All mothers attending these clinics are urged to attend the classes on the care of babies.

Care of babies.—Classes for young mothers are held once a week. An outline of lessons suitable for these classes will be furnished on request. These classes should be conducted by a nurse.

Prenatal classes.—These are classes for expectant mothers and should be conducted by a nurse or a physician. An outline of lessons that may be followed will be furnished on application. The mothers attending these classes should be enrolled to receive the prenatal letters.

The nurse.—If there is not a community nurse, the central committee should take steps to obtain one. This nurse should be a qualified public health nurse and should be given general supervision over the health center activities, and she may conduct the classes. In many communities there are graduate nurses who have married and given up professional work but who would willingly give one afternoon a week to child welfare work. One of these nurses could be given charge of each activity of

the health center under the direction of the public health nurse. The work of the public health nurse does not end at the health center, for, later, she visits the homes to see that the instructions given at the clinics have been carried out, and also to give additional instructions in regard to living conditions. It is very important that the community nurse shall have had special training in public health work or experience in conducting a health center; otherwise she will be unable to direct and coordinate the work of the volunteer assistants.

The doctor.—Of course the ideal plan is to have a full-time trained public health officer who devotes part of his time to the health center. However, this usually comes as a later step in such health activities. In the formation of the central committee, the local physicians and dentists should be invited to send a representative. These two professions always have been very generous in giving their time to help with all health activities, and without doubt the physicians will arrange to have one of their members attend the baby clinic regularly. It may be that this work will be assumed by one physician, leaving the others free to give their time to later activities of the health center, such as the tuberculosis clinic, the venereal disease clinic, or whatever seems most necessary in the community. The dentist, no doubt, will arrange for dental clinics.

It is important to keep accurate records of the children examined at the clinics. For this purpose the United States Public Health Service will provide samples of printed form cards, which will be sent upon application when the health center is established.

One step at a time, leaving the next to be decided upon after the first is assured and when the need is seen, should be the plan followed. After the health center is equipped with the essentials, it may be made as attractive and artistic as the local organizations desire. Good pictures, dainty curtains, and pots of flowers all have an educational value and may be provided by the various organizations interested. A lending library of health literature may be started and should include books on the care of babies and personal hygiene for women.

If the examining room is not provided with running water, a wash basin and pitcher will be needed. Additional equipment may be added, such as tape measure tacked on the table for measuring babies, wooden tongue depressors, artificial lights, etc. Large paper napkins or towels should be provided so that a fresh one may be placed on the table before a baby is examined.

An exhibit of baby clothes and nursery equipment is practicable if the room permits. No doubt the local merchants can be interested in lending or giving the necessary articles. The more people in a community who become actively identified with the health center work, the more likely it is that the center will be permanent and of definite value to the community.

For further plans or for more definite information in regard to any portion of the work, write to

DIRECTOR,
DIVISION OF CHILD HYGIENE,
STATE BOARD OF HEALTH.

INTEREST OF DENTISTS IN VENEREAL DISEASE CONTROL.

The campaign instituted among the 40,000 licensed and registered dentists of the United States for venereal disease control in the fall of 1919 has, with the close of the fiscal year 1920, been transferred for completion to the various State boards of health.

The campaign consisted of a letter from the Surgeon General, addressed to each one of the 40,000 dentists, carrying a bulletin

pointing out the dentist's responsibility and an agreement card which he was asked to sign and return. Specifically he was asked, (1) "To report all venereal disease cases which come under my observation in my practice in accordance with the laws and board of health regulations in my State," and (2) "To advise treatment for all such venereal disease cases which come under my observation, referring them to a clinic or to a physician known by me to be competent in the treatment of such cases."

With the close of the fiscal year, when the transfer of the campaign to the States was made, 15,252 dentists out of the 40,000 circularized, or 38.1 per cent, had returned signed agreement cards.

Inasmuch as the 15,252 signers pledged themselves to report all venereal disease cases in accordance with the laws and regulations of their States, as well as to recommend immediate treatment to the patient by a competent physician or at a clinic, State boards of health were asked to advise these dentists of the free clinics within their jurisdiction. The State boards were also asked to supply these dentists with cards or blanks to be used in reporting cases of venereal disease.

As it is evident that many of the dentists to whom blank pledges were sent did not sign them, it was suggested to the State boards of health that many additional signatures could be secured if those who did not signify their desire to cooperate were circularized again.

The necessary pledge cards and bulletins entitled "Responsibility of the Dentist" may be obtained from the Bureau until the supply on hand is exhausted.

The list below shows the number of agreement cards received from each State.

State.	Number of cards received.	State.	Number of cards received.
Alabama.....	142	Nevada.....	11
Arizona.....	18	New Hampshire.....	100
Arkansas.....	150	New Jersey.....	470
California.....	825	New Mexico.....	30
Colorado.....	200	New York.....	1,800
Connecticut.....	280	North Carolina.....	100
Delaware.....	19	North Dakota.....	200
District of Columbia.....	85	Ohio.....	900
Florida.....	123	Oklahoma.....	180
Georgia.....	170	Oregon.....	174
Idaho.....	60	Pennsylvania.....	1,275
Illinois.....	1,200	Rhode Island.....	113
Indiana.....	325	South Carolina.....	67
Iowa.....	400	South Dakota.....	115
Kansas.....	325	Tennessee.....	145
Kentucky.....	125	Texas.....	220
Louisiana.....	125	Utah.....	120
Maine.....	100	Vermont.....	150
Maryland.....	125	Virginia.....	200
Massachusetts.....	1,100	Washington.....	315
Michigan.....	550	West Virginia.....	100
Minnesota.....	475	Wisconsin.....	420
Mississippi.....	100	Wyoming.....	40
Missouri.....	560		
Montana.....	75		
Nebraska.....	350	United States.....	15,252

MEETING OF THE AMERICAN PUBLIC HEALTH ASSOCIATION.

To be held in San Francisco September 13-17, 1920.

The 1920 annual meeting of the American Public Health Association is to be held in San Francisco, Calif., September 13-17, inclusive.

The program of the meeting promises some interesting discussions on vital public health problems. As announced by the secretary it will include the following entries:

A symposium on the relative functions of official and nonofficial health organizations.

Western health problems.

Narcotic control.

Food poisoning.

Organization of child hygiene.

Mental hygiene.

Health centers.

The foregoing subjects and others will be distributed among the following 10 sectional groups:

General Sessions.

Public Health Administration.

Laboratory.

Vital Statistics.

Sociological.

Sanitary Engineering.

Industrial Hygiene.

Food and Drugs.

Personal Hygiene.

Child Hygiene.

Special cars for the convention will leave from Boston and New York City on Tuesday, September 7, at 2 p. m., which will be attached to the special train leaving Chicago on Wednesday, September 8, at 10.30 p. m.

The program of the meeting and all detailed information may be had on application to the secretary, 169 Massachusetts Avenue, Boston, Mass.

NUISANCE ABATEMENT LAW HELD CONSTITUTIONAL.

The Wisconsin statute, which provides that upon the failure to comply with an order of the State board of health to abate and remove a nuisance on any premises the State board of health may remove such nuisance and the expense of such removal shall be paid by the owner, occupant, or person causing or maintaining the nuisance and shall be a lien upon the land, has been held constitutional¹ by the supreme court of that State.

The State board of health ordered a nuisance removed, and when the order was not complied with the nuisance was removed by the board and an action brought to recover the amount expended. Recovery was allowed and the act held constitutional as being clearly within the police power of the State.

¹State v. Laabs et al., 177 N. W., 916.

MILK PASTEURIZATION ORDINANCE UPHELD.

An ordinance of the city of Milwaukee which requires that all milk sold in the city shall be pasteurized, except certified milk and milk from tuberculin-tested cows, was attacked by certain milk dealers. The Supreme Court of Wisconsin held ¹ the ordinance to be a valid and appropriate regulation for the protection of the health of the people.

WISCONSIN EUGENIC MARRIAGE LAW HAS NO EXTRA-TERRITORIAL EFFECT.

The Supreme Court of Wisconsin has held ² that the eugenic marriage law of that State, which requires a male applicant for a marriage license to obtain a certificate of freedom from venereal disease, has no extraterritorial effect, and is, therefore, not applicable to marriages contracted without the State.

ORDINANCE REQUIRING MILK DEALERS TO BE LICENSED UPHELD.

An ordinance of the city of Charlotte relative to the licensing of milk dealers has been held valid ³ by the Supreme Court of North Carolina.

The ordinance requires milk dealers to secure a permit from the health authorities, the annual fee for which is \$1. Persons owning not more than two cows are not required to obtain the permit and may dispose of surplus milk provided such milk is not peddled or vended.

The defendant was convicted of selling milk without a license, and on appeal he attacked the validity of the ordinance. He contended that the ordinance created a monopoly through the power of the health authorities to revoke permits, that it was invalid because there was no provision for appealing from the action of the health authorities, and that it was unreasonable and discriminatory in that it did not apply to owners of not more than two cows.

The Supreme Court ruled against all three contentions, held the ordinance valid, and sustained the conviction.

¹ Pfeiffer et al. v. City of Milwaukee et al., 177 N. W. 853.

² Lyannes v. Lyannes, 177 N. W. 683.

³ State et al. v. Kirkpatrick, 103 S. E. 65.

DEATHS DURING WEEK ENDED JULY 17, 1920.

[From the "Weekly Health Index," July 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 July 17, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.

City.	Population Jan. 1, 1920, subject to revision.	Week ended July 17, 1920.		Average annual death rate per 1,000 ²	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. ¹		Week ended July 17, 1920.	Previous year or years. ²
Alton, Ohio.....	208,435	32	8.0	* 8.9	12.5	* 22.0
Albany, N. Y.....	113,344	17	7.8	C 9.7	11.8	C 9.5
Atlanta, Ga.....	200,616	58	15.1	C 12.4	10.3	C 14.9
Baltimore, Md.....	733,826	196	13.9	A 16.6	16.8	A 25.1
Birmingham, Ala.....	178,270	43	12.6	A 20.2	32.6	A 14.7
Boston, Mass.....	747,923	162	11.3	A 13.5	12.3	A 15.7
Bridgeport, Conn.....	143,152	33	12.0		12.1	
Buffalo, N. Y.....	505,875	94	9.7	C 11.6	18.1	C 12.5
Cambridge, Mass.....	109,456	30	14.3	A 10.2	20.0	A 10.7
Chicago, Ill.....	2,701,212	451	8.7	A 12.5	15.1	A 20.1
Cincinnati, Ohio.....	401,158	88	11.4	C 14.6	9.1	C 16.1
Cleveland, Ohio.....	796,536	112	7.3	C 9.7	15.2	C 19.2
Columbus, Ohio.....	237,031	60	13.2	C 12.7	8.3	C 21.1
Dayton, Ohio.....	153,530	35	11.9	C 12.7	11.4	C 10.8
Denver, Colo.....	256,369	56	11.4	A 12.8	12.5	
Detroit, Mich.....	993,739	176	9.2		23.3	
Fall River, Mass.....	120,485	22	9.5	C 11.7	22.7	C 18.5
Grand Rapids, Mich.....	137,634	27	10.2	C 10.3	7.4	C 7.4
Hartford, Conn.....	138,036	33	12.5		39.4	
Indianapolis, Ind.....	314,194	67	11.1	C 10.3	16.4	C 4.9
Jersey City, N. J.....	297,864	55	9.6	C 11.6	23.6	C 21.2
Kansas City, Kans.....	101,078	29	15.0		17.2	
Kansas City, Mo.....	* 313,785	85	14.1	C 11.8	14.1	C 12.7
Los Angeles, Calif.....	575,480	149	13.5	A 12.0	15.4	A 10.9
Louisville, Ky.....	234,891	48	10.7	C 13.1	4.2	C 8.5
Lowell, Mass.....	112,479	24	11.1	A 13.3	33.3	A 28.4
Memphis, Tenn.....	162,351	42	13.5	C 24.0	35.7	C 13.5
Milwaukee, Wis.....	457,147	70	8.0	A 9.6	11.4	A 7.1
Minneapolis, Minn.....	380,498	65	8.9	C 7.3	10.8	C 16.5
Nashville, Tenn.....	118,342	37	16.3	C 15.5	18.9	C 14.3
Newark, N. J.....	414,216	96	12.1	C 7.7	28.1	C 18.0
New Haven, Conn.....	162,390	40	12.8	C 10.4	27.5	C 18.8
New Orleans, La.....	387,408	116	15.6	A 18.7	15.5	A 13.2
New York, N. Y.....	5,621,151	577	9.1	C 9.9	15.4	C 15.9
Oakland, Calif.....	216,361	43	10.4	A 9.8	27.9	A 13.7
Omaha, Nebr.....	191,601	37	10.1	C 9.9	24.3	C 11.1
Philadelphia, Pa.....	1,823,153	351	10.0	* 13.2	17.4	* 23.5
Pittsburgh, Pa.....	588,193	133	11.8	C 11.9	20.3	C 10.4
Portland, Oreg.....	258,288	34	6.9	C 13.7	8.8	C 11.9
Providence, R. I.....	* 263,613	63	12.5	C 8.3	12.7	C 9.5
Richmond, Va.....	* 160,719	44	14.3	C 14.3	27.3	C 18.2
Rochester, N. Y.....	295,850	50	8.8	C 7.7	17.0	C 16.3
St. Louis, Mo.....	772,897	156	10.5	C 11.2	12.2	C 11.5
St. Paul, Minn.....	234,595	47	10.4	C 8.3	12.8	C 5.4
San Francisco, Calif.....	508,410	111	11.4	C 10.7	7.2	C 9.7
Seattle, Wash.....	315,652	57	9.4	A 8.4	5.3	A 11.2
Spokane, Wash.....	104,204	22	11.0	C 11.0	18.2	C 22.7
Springfield, Mass.....	128,338	25	10.1		24.0	
Syracuse, N. Y.....	171,647	38	11.5	C 10.1	10.5	C 12.1
Toledo, Ohio.....	243,109	48	10.3	A 13.8	12.5	A 17.5
Trenton, N. J.....	119,781	36	15.7	A 17.7	11.1	A 32.6
Washington, D. C.....	437,571	108	12.9	A 15.3	16.7	A 17.6
Worcester, Mass.....	179,741	37	10.7	C 13.2	16.2	C 13.3
Youngstown, Ohio.....	132,358	24	9.5		25.0	

¹ Annual rates per 1,000 population.

² "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1919.

³ Data are based on statistics of 1915, 1916, and 1917.

⁴ Population estimated as of July 1, 1913.

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

Policies in force.....	44, 174, 531
Number of death claims.....	7, 529
Death claims per 1,000 policies in force, annual rate.....	8.9

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 July 24, 1920.

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

ALABAMA.		CONNECTICUT—continued.	
	Cases.		Cases.
Diphtheria.....	10	Tuberculosis (all forms).....	29
Dysentery.....	5	Typhoid fever.....	3
Malaria.....	21	Whooping cough.....	76
Measles.....	4		
Scarlet fever.....	10	FLORIDA.	
Smallpox.....	19	Diphtheria.....	4
Tuberculosis (pulmonary).....	13	Influenza.....	12
Typhoid fever.....	50	Malaria.....	64
Whooping cough.....	12	Pneumonia.....	22
		Scarlet fever.....	1
ARKANSAS.		Typhoid fever.....	10
Chicken pox.....	7		
Diphtheria.....	4	GEORGIA.	
Hookworm.....	4	Chicken pox.....	20
Influenza.....	4	Diphtheria.....	17
Malaria.....	234	Dysentery (bacillary).....	15
Measles.....	3	Hookworm.....	4
Pellagra.....	16	Influenza.....	13
Scarlet fever.....	3	Malaria.....	154
Smallpox.....	1	Measles.....	9
Trachoma.....	4	Mumps.....	3
Tuberculosis.....	27	Paratyphoid fever.....	4
Typhoid fever.....	46	Pneumonia.....	1
Whooping cough.....	27	Scarlet fever.....	10
		Smallpox.....	15
CALIFORNIA.		Tuberculosis (pulmonary).....	11
Cerebrospinal meningitis.....	3	Typhoid fever.....	30
Leprosy—Salinas.....	1	Whooping cough.....	18
Smallpox.....	29		
Typhoid fever:		ILLINOIS.	
Redlands.....	7	Cerebrospinal meningitis—Chicago.....	2
Scattering.....	20	Diphtheria:	
		Chicago.....	97
CONNECTICUT.		Scattering.....	23
Cerebrospinal meningitis—Southington.....	1	Influenza.....	1
Chicken pox.....	3	Lethargic encephalitis—Chicago.....	1
Diphtheria:		Pneumonia:	
Fairfield County—Bridgeport.....	7	Chicago.....	34
Scattering.....	34	Scattering.....	3
German measles.....	1	Policmyelitis—Flora.....	1
Leprosy—Ansonia.....	1	Scarlet fever:	
Malaria.....	1	Chicago.....	52
Measles.....	40	Scattering.....	25
Mumps.....	6	Smallpox.....	21
Pneumonia (lobar).....	6	Typhoid fever.....	24
Scarlet fever.....	23		

INDIANA.		Cases.
Diphtheria.....	25	
Measles.....	32	
Scarlet fever.....	42	
Smallpox.....	26	
Typhoid fever.....	10	
IOWA.		
Chicken pox.....	7	
Diphtheria.....	12	
Measles:		
Humboldt.....	7	
Scattering.....	6	
Scarlet fever.....	13	
Smallpox:		
Dubuque.....	15	
Scattering.....	23	
Whooping cough.....	2	
KANSAS.		
Cerebrospinal meningitis.....	1	
Chicken pox.....	2	
Diphtheria.....	13	
Malaria.....	1	
Measles.....	47	
Mumps.....	8	
Pneumonia.....	3	
Scarlet fever.....	16	
Smallpox.....	44	
Trachoma.....	2	
Tuberculosis.....	41	
Typhoid fever.....	17	
Whooping cough.....	101	
LOUISIANA.		
Diphtheria.....	7	
Malaria.....	83	
Measles.....	9	
Pellagra.....	3	
Pneumonia.....	2	
Scarlet fever.....	2	
Smallpox.....	12	
Tuberculosis.....	33	
Typhoid fever.....	32	
MAINE.		
Chicken pox.....	4	
Diphtheria.....	4	
Measles:		
Baileysville.....	20	
Scattering.....	36	
Mumps.....	5	
Pneumonia.....	1	
Scarlet fever.....	8	
Smallpox.....	3	
Tuberculosis.....	22	
Typhoid fever.....	14	
Whooping cough.....	8	
MARYLAND. ¹		
Chicken pox.....	5	
Diphtheria.....	16	
Dysentery.....	13	
Influenza.....	8	
Lethargic encephalitis.....	2	
Malaria.....	2	

MARYLAND—continued.		Cases.
Measles.....	39	
Mumps.....	3	
Ophthalmia neonatorum.....	5	
Pneumonia (all forms).....	15	
Scarlet fever.....	8	
Septic sore throat.....	1	
Trachoma.....	3	
Tuberculosis.....	107	
Typhoid fever.....	14	
Whooping cough.....	48	
MASSACHUSETTS.		
Actinomycosis.....	1	
Cerebrospinal meningitis.....	2	
Chicken pox.....	31	
Conjunctivitis (suppurative).....	5	
Diphtheria.....	97	
German measles.....	5	
Hookworm.....	1	
Influenza.....	3	
Malaria.....	1	
Measles.....	346	
Mumps.....	42	
Ophthalmia neonatorum.....	25	
Pellagra.....	1	
Pneumonia (lobar).....	14	
Poliomyelitis.....	4	
Scarlet fever.....	73	
Tetanus.....	1	
Trachoma.....	2	
Tuberculosis (all forms).....	140	
Typhoid fever.....	27	
Whooping cough.....	201	
MINNESOTA.		
Poliomyelitis.....	1	
Smallpox.....	4	
MISSISSIPPI.		
Diphtheria.....	8	
Influenza.....	2	
Smallpox.....	29	
Typhoid fever.....	27	
MONTANA.		
Diphtheria.....	4	
Rocky Mountain spotted or tick fever—Roundup.....	1	
Scarlet fever.....	5	
Smallpox.....	3	
Typhoid fever.....	2	
NEBRASKA.		
Cerebrospinal meningitis:		
Nuckolls County.....	1	
Chicken pox.....	3	
Diphtheria.....	4	
Measles.....	10	
Mumps.....	3	
Scarlet fever.....	2	
Smallpox:		
Wayne County.....	8	
Scattering.....	27	
Tuberculosis.....	3	
Typhoid fever.....	2	
Whooping cough.....	13	

¹ Week ended Friday.

NEW JERSEY.	
	Cases.
Influenza.....	1
Pneumonia.....	32
Smallpox—East Rutherford.	

NEW YORK.	
(Exclusive of New York City.)	
Anthrax—Endicott.....	1
Cerebrospinal meningitis—Depow.....	1
Diphtheria.....	112
Lethargic encephalitis—New Rochelle.....	1
Measles.....	587
Pneumonia.....	54
Poliomyelitis:	
Orangetown (town).....	1
Royalton (town).....	1
Scarlet fever.....	68
Smallpox.....	5
Typhoid fever.....	28
Whooping cough.....	338

NORTH CAROLINA.	
Cerebrospinal meningitis.....	1
Chicken pox.....	8
Diphtheria.....	12
Measles.....	43
Ophthalmia neonatorum.....	2
Scarlet fever.....	2
Septic sore throat.....	2
Smallpox.....	24
Typhoid fever.....	98
Whooping cough.....	233

SOUTH DAKOTA.	
Chicken pox.....	1
Diphtheria.....	21
Measles.....	30
Scarlet fever.....	9
Smallpox.....	6
Tuberculosis.....	25
Typhoid fever.....	2
Whooping cough.....	4

TEXAS.	
Diphtheria.....	10
Dysentery.....	11
Malaria.....	23
Pellagra.....	2
Plague (bubonic)—Beaumont.....	1
Scarlet fever.....	2
Smallpox:	
Bell County.....	9
Hemphill.....	9
Saint Jo.....	8
Scattering.....	2

TEXAS—continued.	
	Cases.
Tuberculosis.....	4
Typhoid fever.....	15
Whooping cough.....	2

VERMONT.	
Chicken pox.....	8
Diphtheria.....	4
Measles.....	100
Mumps.....	33
Scarlet fever.....	9
Typhoid fever.....	3
Whooping cough.....	33

VIRGINIA.	
Smallpox—Gloucester County.....	1

WASHINGTON.	
Chicken pox.....	19
Diphtheria.....	22
Measles.....	49
Mumps.....	4
Scarlet fever.....	9
Smallpox.....	63
Tuberculosis.....	7
Typhoid fever.....	11
Whooping cough.....	61

WEST VIRGINIA.	
Diphtheria.....	7
Measles.....	23
Scarlet fever.....	10
Smallpox.....	11
Typhoid fever.....	5

WISCONSIN.	
Milwaukee:	
Chicken pox.....	5
Diphtheria.....	26
Measles.....	40
Scarlet fever.....	21
Smallpox.....	6
Tuberculosis.....	16
Whooping cough.....	38

Scattering:	
Cerebrospinal meningitis.....	1
Chicken pox.....	10
Diphtheria.....	32
Influenza.....	4
Measles.....	134
Poliomyelitis.....	3
Scarlet fever.....	37
Smallpox.....	64
Tuberculosis.....	17
Typhoid fever.....	11
Whooping cough.....	50

Kentucky Report for Week Ended July 17, 1920.

	Cases.
Chicken pox.....	2
Diphtheria.....	11
Dysentery.....	11
Malaria.....	7
Measles:	
Jefferson County.....	8
Scattering.....	23
Pneumonia.....	1
Scarlet fever.....	9

	Cases.
Septic sore throat.....	1
Smallpox.....	18
Tonsillitis.....	1
Trachoma.....	10
Tuberculosis:	
Jefferson County.....	16
Scattering.....	12
Typhoid fever.....	19
Whooping cough.....	32

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.
JUNE, 1920.										
Arkansas.....	6	17	33	578	171	76	1	16	57	32
Illinois.....	12	662	72	121	3,985	.....	8	874	647	124
Indiana.....	3	110	.....	.....	1,494	.....	5	374	421	82
Kansas.....	5	59	1	2	689	1	.....	84	390	71
Louisiana.....	4	27	.....	90	64	39	2	9	91	78
Maryland.....	4	79	8	8	1,135	.....	3	152	19	38
Michigan.....	.....	641	.....	.....	2,138	.....	1	617	404	98
Minnesota.....	2	175	.....	.....	1,006	.....	.....	169	352	28
Montana.....	1	15	.....	.....	371	.....	2	35	72	19
North Carolina.....	13	43	.....	.....	681	.....	.....	74	242	152
North Dakota.....	.....	20	.....	.....	130	.....	.....	25	18	2
South Carolina.....	4	93	.....	80	42	14	.....	15	209	113
Vermont.....	.....	13	.....	.....	780	.....	.....	35	.....	9
Washington.....	1	71	.....	.....	990	.....	.....	156	349	23

RECIPROCAL NOTIFICATION.

Minnesota—June, 1920.

Cases of communicable diseases referred during June, 1920, to other State health departments by department of health of the State of Minnesota.

Disease and locality of notification.	Referred to health authority of—	Why referred.
Diphtheria: Mayo Clinic, Rochester, Olmsted County. Waukon Township, Norman County.	Mitchell, Davison County, S. Dak.. York, Benson County, N. Dak.....	After patient's release another culture positive was found to be virulent on animal inoculation. Mother and five children from North Dakota visiting in Minnesota were exposed to diphtheria.
Tuberculosis: Mayo Clinic, Rochester, Olmsted County.	Wallace, Shoshone County, Idaho... Bridgeport, Lawrence County, Ill... Joliet, Will County, Ill..... Marshalltown, Marshall County, Iowa. Sault Ste. Marie, Chippewa County, Mich. Escanaba, Delta County, Mich..... Park River, Walsh County, N. Dak.. Swanton, Fulton County, Ohio..... Ada, Pontotoc County, Okla..... Okmulgee, Okmulgee County, Okla. Bellefonte, Center County, Pa..... Milbank, Grant County, S. Dak..... Park Falls, Price County, Wis..... Genoa Junction, Walworth County, Wis. Winnipeg, Manitoba, Canada..... Douglass, Ontario, Canada..... Pinewood, Ontario, Canada..... Fargo, Cass County, N. Dak.....	6 moderately advanced, 6 advanced, 3 active, and 2 incipient cases left Mayo Clinic for homes.
Moorhead, Clay County...		Specimens of sputum from two persons in North Dakota sent by Minnesota physicians showed tubercle bacilli.
Typhoid fever: Stillwater, Washington County.	Superior, Douglas County, Wis.....	Attending school in Superior, Wis., three weeks previous to first symptoms.

ACTINOMYCOSIS.

Illinois—June, 1920.

During June, 1920, two cases of actinomycosis were reported in Illinois.

ANTHRAX.

Goodhue County, Minn.—June, 1920.

During June, 1920, one case of anthrax was reported near Goodhue, Goodhue County, Minn.

CEREBROSPINAL MENINGITIS.

State Reports for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Louisiana:	
Green County.....	1	Orleans Parish.....	1
Hot Spring County.....	2	Rapides Parish.....	1
Lawrence County.....	1	Terrebonne Parish.....	1
Pulaski County.....	1	Webster Parish.....	1
Woodruff County.....	1	Total.....	4
Total.....	6		
Illinois:		Maryland:	
Cook County—		Baltimore.....	4
Chicago.....	3		
Oak Forest.....	1	Minnesota:	
Jo Daviess County—		Pipestone County—	
Ward's Grove township.....	1	Altona township.....	1
Kane County—		Polk County—	
Aurora.....	1	Crookston.....	1
Macoupin County—		Total.....	2
Staunton.....	1		
Staunton township.....	1	Montana:	
Ogle County—		Gallatin County—	
Eagle Point.....	1	Mandlow.....	1
Sangamon County—			
Springfield.....	1	North Carolina:	
St. Clair County—		Carteret County.....	1
East St. Louis.....	1	Cleveland County.....	2
Union County—		Durham County.....	4
Saratoga township.....	1	Johnston County.....	1
Total.....	12	Nash County.....	1
		Pitt County.....	2
Indiana:		Wake County.....	1
Marion County.....	2	Yadkin County.....	1
St. Joseph County.....	1	Total.....	13
Total.....	3		
Kansas:		South Carolina:	
Osborne County—		Charleston County.....	1
Osborne.....	1	Oconee County.....	1
Riley County—		Orangeburg County.....	1
Manhattan.....	1	Spartanburg County.....	1
Saline County—		Total.....	4
Salina.....	1		
Shawnee County—		Washington:	
Topeka.....	1	Spokane County—	
Wyandotte County—		Spokane.....	1
Kansas City.....	1		
Total.....	5		

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Bloomfield, N. J.....	1	.....	Ironwood, Mich.....	1	1
Boston, Mass.....	1	1	La Fayette, Ind.....	1	1
Bridgeport, Conn.....	1	1	Milwaukee, Wis.....	2	2
Detroit, Mich.....	2	.....	New York, N. Y.....	4	1
Durham, N. C.....	.....	1	Philadelphia, Pa.....	1	.....
Elizabeth, N. J.....	.....	1	St. Louis, Mo.....	1	.....
Englewood, N. J.....	1	1	Sioux Falls, S. Dak.....	1	.....
Hartford, Conn.....	.....	1			

DIPHTHERIA.

1

See Telegraphic weekly reports from States, p. 1803; Monthly summaries by States, p. 1806; and Weekly reports from cities, p. 1829.

INFLUENZA.

State Reports for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Illinois—Continued.	
Arkansas County.....	1	McHenry County—	
Ashley County.....	9	Crystal Lake.....	11
Lawrence County.....	2	Macoupin County—	
Lee County.....	5	Woodburn.....	1
Pulaski.....	1	Peoria County—	
Sebastian County.....	13	Hanna City.....	5
White County.....	1	Stark County—	
Yell County.....	1	La Fayette.....	8
Total.....	33	Valley Township.....	1
		Woodford County—	
Illinois:		Secor.....	5
Champaign County—		Total.....	72
Pesotum.....	1	Maryland:	
Clinton County—		Baltimore.....	2
Germantown.....	4	Allegany County—	
Cook County—		Cumberland.....	1
Chicago.....	21	Carroll County—	
Cumberland County—		Morgany, R. D.....	1
Toledo.....	4	Dorchester County—	
Edgar County—		Taylor's Island.....	1
Buck Township.....	2	Garrett County—	
Redmon.....	2	Dodson.....	1
Fulton County—		Talbot County—	
Fairview.....	2	Trappe, R. D.....	1
Henry County—		Wicomico County—	
Cambridge.....	3	Hebron, R. D.....	1
Woodhull.....	1	Total.....	8
Jasper County—			
Rose Hill.....	1		

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	1	2	Los Angeles, Calif.....	2	.....
Cleveland, Ohio.....	.....	1	New York, N. Y.....	1	1
Cohoes, N. Y.....	1	.....	Petersburg, Va.....	.....	1
Hammond, Ind.....	.....	1	San Francisco, Calif.....	2	.....
Indianapolis, Ind.....	.....	1			

LEPROSY.

New Orleans, La., and Crystal Springs, N. Dak.—June, 1920.

During June, 1920, one case of leprosy was reported at New Orleans, La., and one case was reported at Crystal Springs, N. Dak.

LETHARGIC ENCEPHALITIS.

Maryland—June, 1920.

During June, 1920, four cases of lethargic encephalitis were reported in Maryland.

MALARIA.

State Reports for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Illinois—Continued.	
Arkansas County.....	2	Fulton County—	
Ashley County.....	70	Fairview.....	1
Baxter County.....	1	Farmington.....	1
Benton County.....	2	Grundy County—	
Bradley County.....	27	Morris.....	1
Calhoun County.....	4	Jasper County—	
Chicot County.....	8	Rose Hill.....	2
Clark County.....	3	Jefferson County—	
Craighead County.....	5	Mount Vernon Township.....	5
Crawford County.....	5	Jo Daviess County—	
Crittenden County.....	4	Scales Mound.....	1
Drew County.....	27	Johnson County—	
Faulkner County.....	16	New Burnside.....	3
Franklin County.....	18	Kankakee County—	
Garland County.....	2	Little Rock Township.....	1
Greene County.....	3	McLean County—	
Hempstead County.....	7	Collax.....	4
Hot Spring County.....	9	Menard County—	
Howard County.....	10	Greenview.....	2
Independence County.....	13	Montgomery County—	
Jackson County.....	6	Nokomis.....	1
Jefferson County.....	21	Panama.....	1
Lafayette County.....	10	Pike County—	
Lawrence County.....	5	Hull.....	1
Lee County.....	24	Pleasant Vale Township.....	1
Logan County.....	2	Randolph County—	
Lonoke County.....	4	Coultersville.....	2
Mississippi County.....	13	St. Clair County—	
Monroe County.....	4	Smithton.....	1
Ouachita County.....	41	Stites Township.....	4
Perry County.....	10	Saline County—	
Pope County.....	2	Carrier Mills.....	4
Prairie County.....	19	State institutions—	
Pulaski County.....	4	Watertown State Hospital.....	1
Saline County.....	15	Wabash County—	
Scott County.....	2	Bellmont.....	2
Sebastian County.....	8	Whiteside County—	
Sevier County.....	57	Albany.....	8
St. Francis County.....	29	Williamson County—	
Union County.....	30	Johnston City.....	30
Van Buren County.....	2	Freemanspur.....	2
White County.....	26	Blairville Township.....	3
Woodruff County.....	7		
Yell County.....	1	Total.....	121
Total.....	578	Kansas:	
Illinois:		Butler County—	
Bureau County—		Browntown.....	1
Bureau.....	2	Crawford County—	
Clinton County—		Girard.....	1
Germantown.....	27	Total.....	2
Edgar County—		Louisiana:	
Buck Township.....	2	Avoyelles Parish.....	3
Fayette County—		Bienville Parish.....	1
Brownstown.....	6	Calcasieu Parish.....	3
Franklin County—		Catahoula Parish.....	1
Orient.....	2		

MALARIA—Continued.

State Reports for June, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Louisiana—Continued.		Maryland—Continued.	
Concordia Parish.....	5	Prince Georges County—	
De Soto Parish.....	1	Accokeek, R. D.....	1
East Carroll Parish.....	2	Wicomico County—	
East Feliciana Parish.....	7	Tyaskin.....	1
Grant Parish.....	8	Anne Arundel County—	
Iberville Parish.....	3	Camp Meade.....	2
La Salle Parish.....	2	Total.....	8
Lincoln Parish.....	2		
Morehouse Parish.....	2		
Ouachita Parish.....	7		
Sabine Parish.....	1	South Carolina:	
St. Charles Parish.....	2	Beaufort County.....	2
St. Landry Parish.....	9	Calhoun County.....	15
St. Martin Parish.....	17	Cherokee County.....	4
St. Mary Parish.....	1	Chester County.....	15
St. Tammany Parish.....	3	Chesterfield County.....	4
Terrebonne Parish.....	4	Darlington County.....	2
Union Parish.....	1	Fairfield County.....	6
Vernon Parish.....	2	Florence County.....	3
Washington Parish.....	2	Greenville County.....	2
Webster Parish.....	1	Horry County.....	3
Total.....	90	Laurens County.....	4
		Lee County.....	2
Maryland:		Marion County.....	1
Baltimore.....	1	Marlboro County.....	2
Charles County—		Orangeburg County.....	5
Mattawoman.....	1	Union County.....	8
Promfret, R. D.....	1	York County.....	2
La Plata.....	1	Total.....	80

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....	16		Fall River, Mass.....	1	
Beaumont, Tex.....		1	Fort Smith, Ark.....	1	
Boston, Mass.....	2		Marlboro, Mass.....	1	
Brunswick, Ga.....	1	1	Mobile, Ala.....		1
Dallas, Tex.....	8	1	Savannah, Ga.....	3	
East St. Louis, Ill.....	1				

MEASLES.

See Telegraphic weekly reports from States, p. 1803; Monthly summaries by States, p. 1806; and Weekly reports from cities, p. 1829.

PELLAGRA.

State Reports for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Arkansas—Continued.	
Arkansas County.....	1	Howard County.....	3
Ashley County.....	3	Independence County.....	2
Bradley County.....	3	Jackson County.....	2
Calhoun County.....	1	Jefferson County.....	1
Chicot County.....	1	Lafayette County.....	2
Clark County.....	2	Lee County.....	5
Crittenden County.....	2	Lonoke County.....	1
Faulkner County.....	3	Mississippi County.....	1
Greene County.....	1	Ouachita County.....	9
Hempstead County.....	3	Pulaski County.....	4

PELLAGRA—Continued.

State Reports for June, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Arkansas—Continued.		Louisiana—Continued.	
Saline County.....	4	Orleans Parish.....	4
Sebastian County.....	2	Ouachita Parish.....	1
St. Francis County.....	7	Red River Parish.....	1
Van Buren County.....	1	St. Landry Parish.....	1
Woodruff County.....	2	Tensas Parish.....	1
		Union Parish.....	2
Total.....	76	Total.....	39
Kansas:		South Carolina:	
Sumner County—		Cherokee County.....	2
Milan.....	1	Chester County.....	2
Louisiana:		Chesterfield County.....	1
Beauregard Parish.....	1	Clarendon County.....	1
Bienville Parish.....	1	Darlington County.....	1
Concordia Parish.....	6	Fairfield County.....	3
De Soto Parish.....	4	Florence County.....	1
East Baton Rouge Parish.....	1	Greenville County.....	1
East Carroll Parish.....	7	Sumter County.....	2
Grant Parish.....	3	Total.....	14
La Salle Parish.....	1		
Madison Parish.....	4		
Natchitoches Parish.....	1		

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....		1	Montgomery, Ala.....		1
Cincinnati, Ohio.....		1	New Orleans, La.....	1	1
Greensboro, N. C.....		1			

PLAGUE.

Human Cases of Plague Reported.

Place.	Period covered.	Cases.	Deaths.	Remarks.
California:				
Alameda County.....	Apr. 19, 1920.....	1	1	Diagnosis confirmed Apr. 26.
Florida:				
Pensacola.....	June 2 to July 20, 1920...	7	4	
	July 21 to 26.....	0		
Hawaii:				
Kalapa.....	Mar. 22, 1920.....	1		
Louisiana:				
New Orleans.....	Oct. 29 to Dec. 31, 1919..	12	4	
	Jan. 1 to July 20, 1920...	3		
	July 21 to 26.....	1	1	
Texas:				
Beaumont.....	June 26 to July 20, 1920...	10	3	
	July 21 to 26.....	1		
Galveston.....	June 16 to July 20, 1920..	2	1	
	July 21 to 26.....	0		
Port Arthur.....	July 7, 1920.....	1	1	From Galveston.

PLAGUE—Continued.
Plague-Infected Rodents.

Place.	Period covered.	Rodents found plague infected.
California:		
Ground squirrels (<i>Citellus beecheyi</i>)—		
Alameda County.....	Apr. 11 to July 10.....	28
Contra Costa County.....	Apr. 18 to July 10.....	46
Merced County.....	May 23 to July 10.....	1
Monterey County.....	June 13 to July 10.....	3
San Benito County.....	May 16 to July 10.....	16
San Mateo County.....	do.....	3
San Joaquin County.....	Apr. 18 to July 10.....	4
Santa Clara County.....	Apr. 11 to July 3.....	9
	July 4 to July 10.....	3
	May 9 to July 3.....	21
Santa Cruz County.....	July 4 to July 10.....	4
Santa Cruz.....	May 16 to July 10.....	1
Stanislaus County.....	May 30 to July 10.....	2
Florida:		
Pensacola.....	June 28 to July 20.....	14
	July 21 to 26.....	6
Louisiana:		
New Orleans.....	Nov. 1 to Dec. 31.....	276
Texas:		
Beaumont.....	July 1 to 20.....	105
	July 21 to 26.....	5
Galveston.....	June 21 to July 20.....	31
	July 21 to 26.....	6

Rodents Examined for Plague Infection.

Place.	Period covered.	Rodents examined.	Found infected.
Hawaii:			
Honolulu.....	1920. Week ended June 26.....	336	None.
Louisiana:			
New Orleans—			
Mus norvegicus.....	Week ended July 17.....	2,623	1
Mus rattus.....	do.....	154	None.
Mus alexandrinus.....	do.....	272	1
Wood rat.....	do.....	1	None.
Miscellaneous.....	do.....	2	None.
Putrid.....	do.....	209	None.

PNEUMONIA (ALL FORMS).

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.....	1	1	Butte, Mont.....		1
Albany, N. Y.....	5		Cairo, Ill.....		1
Alexandria, Va.....	1	1	Cambridge, Mass.....	1	
Alton, Ill.....		1	Chicago Heights, Ill.....		1
Arhngton, Mass.....	1	1	Chicago, Ill.....	70	21
Atlanta, Ga.....		6	Chillicothe, Ohio.....	1	
Baltimore, Md.....	23	8	Cincinnati, Ohio.....		1
Bangor, Me.....	1	1	Cleveland, Ohio.....	16	9
Beverly, Mass.....	1	1	Cohoes, N. Y.....	3	
Biddeford, Me.....		1	Colorado Springs, Colo.....		1
Binghamton, N. Y.....	5	2	Columbus, Ohio.....		2
Birmingham, Ala.....		6	Cranston, R. I.....	2	2
Boston, Mass.....	6	8	Cumberland, Md.....	3	1
Brockton, Mass.....	1		Dallas, Tex.....	1	1
Buffalo, N. Y.....		3	Danville, Ill.....		2

PNEUMONIA (ALL FORMS)—Continued.

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

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Decatur, Ill.		1	Omaha, Nebr.		2
Denver, Colo.		7	Passaic, N. J.	1	
Detroit, Mich.	18	8	Peekskill, N. Y.		1
Elizabeth, N. J.		1	Perth Amboy, N. J.		1
Elkhart, Ind.	1		Petersburg, Va.		1
Fall River, Mass.	1		Philadelphia, Pa.	7	16
Flint, Mich.		2	Plainfield, N. J.	1	1
Freeport, Ill.		1	Pontiac, Mich.		1
Fresno, Calif.		1	Port Chester, N. Y.		1
Galveston, Tex.		2	Portland, Me.		1
Gary, Ind.		2	Portland, Oreg.		1
Geneva, N. Y.	1		Poughkeepsie, N. Y.	1	
Great Falls, Mont.	1	2	Pueblo, Colo.		1
Hartford, Conn.		1	Quincy, Ill.		1
Highland Park, Mich.	1		Richmond, Va.		6
Hoboken, N. J.		2	Rochester, N. Y.	8	3
Huntington, W. Va.		1	Rockford, Ill.		1
Indianapolis, Ind.		4	Rome, Ga.	1	
Jamestown, N. Y.	1		Saginaw, Mich.	1	
Jersey City, N. J.	3		St. Joseph, Mo.		2
Kalamazoo, Mich.	3	2	St. Paul, Minn.		1
Kansas City, Mo.	6	5	San Bernardino, Calif.		1
Kearny, N. J.	1		San Diego, Calif.	3	3
Lackawanna, N. Y.	9	1	San Francisco, Calif.	7	1
Lexington, Ky.		2	Savannah, Ga.		1
Lincoln, Nebr.	2	1	Schenectady, N. Y.	2	2
Little Rock, Ark.	1		Sioux Falls, S. Dak.		1
Long Beach, Calif.	1	2	Spartanburg, S. C.		1
Los Angeles, Calif.	13	4	Springfield, Mass.	1	
Louisville, Ky.		2	Springfield, Ohio.		1
Lowell, Mass.		1	Stockton, Calif.		2
Manchester, N. H.	1		Superior, Wis.		2
Mankato, Minn.		1	Syracuse, N. Y.		2
Martins Ferry, Ohio.	1		Toledo, Ohio.		1
Milwaukee, Wis.		7	Topeka, Kans.		1
Minneapolis, Minn.	3	2	Trenton, N. J.	1	
Mishawaka, Ind.	1		Waltham, Mass.	1	
Montgomery, Ala.	1		Washington, D. C.		3
Mount Vernon, N. Y.		2	Wausau, Wis.		1
Newark, N. J.	21	3	Wheeling, W. Va.		1
New Bedford, Mass.		1	White Plains, N. Y.		1
New Haven, Conn.		1	Wilmington, Del.		2
New London, Conn.	1		Woburn, Mass.		1
New Orleans, La.		3	Worcester, Mass.	5	4
New York, N. Y.	60	55	Youngstown, Ohio.		1
Oakland, Calif.	1	1			

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Louisiana:	
Izard County.....	1	Acadia Parish.....	1
Illinois:		Franklin Parish.....	1
Cook County—		Total.....	2
Chicago.....	3	Maryland:	
Cicero.....	1	Baltimore.....	3
Franklin County—		Michigan:	
Rend City.....	1	Wayne County—	
La Salle County—		Detroit.....	1
Miller Township.....	1	Montana:	
Tazewell County—		Cascade County—	
Pekin.....	1	Neihart.....	1
Vermilion County—		Valley County—	
Butler Township.....	1	Glasgow.....	1
Total.....	8	Total.....	2
Indiana:			
Blackford County.....	1		
Henry County.....	1		
Lake County.....	3		
Total.....	5		

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill.....	1	.....	Nashville, Tenn.....	1	.....
Detroit, Mich.....	1	.....	New York, N. Y.....	4	.....
Grand Rapids, Mich.....	1	.....	Pasadena, Calif.....	1	.....
Hartford, Conn.....	1	.....	Philadelphia, Pa.....	2	.....
Lynn, Mass.....	1	.....	St. Paul, Minn.....	1	.....

RABIES IN ANIMALS.

Ironton, Ohio, and Louisville, Ky.

During the week ended July 10, 1920, one case of rabies in animals was reported at Ironton, Ohio, and one was reported at Louisville, Ky.

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.

Montana Report for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Big Horn County—		Missoula County—	
Hardin.....	1	Missoula.....	1
Carbon County—		Musselshell County—	
Bridger (R. D.).....	2	Delphia.....	1
Cascade County—		Melstone.....	1
Great Falls.....	1	Roundup.....	2
Fergus County—		Total.....	11
Roy.....	1		
Lewis and Clark County—			
Helena.....	1		

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 1803; Monthly summaries by States, p. 1806; and Weekly reports from cities, p. 1829.

SMALLPOX.

State Reports for June, 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.
Kansas:						
Allen County—						
Iola.....	1	.....				1
Anderson County—						
Garnett.....	1	.....				1
Atchison County—						
Shannon.....	1	.....				1
Atchison.....	1	.....				1
Barton County—						
Hosington.....	1	.....			1	.....

SMALLPOX—Continued.

State Reports for June, 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.
Kansas—Continued.						
Bourbon County—						
Manleton.....	5				2	3
Fulton.....	1				1	
Uniontown.....	2				1	1
Redfield.....	1					1
Bronson.....	1				1	
Fort Scott (R. D. 1).....	13			1	1	11
Brown County—						
Hiawatha.....	2				2	
Morrill.....	1				1	
Horton.....	1					1
Butler County—						
Leon.....	3					3
Oil Hill.....	2				1	1
Augusta.....	1				1	
Eldorado.....	39				9	30
Cherokee County—						
Treeca.....	1				1	
Cloud County—						
Concordia (R. D. 1).....	3				3	
Cowley County—						
Arkansas City.....	5				2	3
Crawford County—						
Mulberry.....	3				2	1
Girard.....	4					4
Pittsburg.....	18				6	12
Decatur County—						
Danbury.....	1				1	
Dickinson County—						
Abilene (R. D. 1).....	8			1	5	2
Enterprise.....	1				1	
Douphan County—						
Hughland.....	1				1	
Wathena.....	4				1	3
Bendena.....	1				1	
Douglas County—						
Lawrence.....	3			1	1	1
Edwards County—						
Kensley.....	1					1
Ellis County—						
Ellis.....	1				1	
Finney County—						
Garden City.....	4		1		3	
Ford County—						
Bloom.....	1					1
Graham County—						
Hill City.....	1					1
Greenwood County—						
Virgil.....	1					1
Harper County—						
Crisfield.....	6					6
Anthony.....	1				1	
Harvey County—						
Burrton.....	3		1		2	
Newton (R. D. 1).....	24		1	1	2	20
Jackson County—						
Holton.....	2			1	1	
Soldier.....	1					1
Jewell County—						
Esbon.....	6			1	3	2
Kingman County—						
Kingman.....	2			1	1	
Kiowa County—						
Greensburg.....	1				1	
Labette County—						
Parsons.....	8				4	4
Lane County—						
Healy.....	3				3	
Linn County—						
Pleasanton.....	3				3	
Logan County—						
Oakley.....	2					2

SMALLPOX—Continued.

State Reports for June, 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.
Kansas—Continued.						
Lyon County—						
Comiskey.....	1				1	
Emporia.....	2			1	1	
Marion County—						
Peabody.....	4				4	
Florence.....	2				2	
Marshall County—						
Miltonvale.....	1					1
Oketo.....	3					3
Frankfort.....	4				1	3
Herkimer.....	1				1	
Bigelow.....	4				1	4
McPherson County—						
Marquette.....	1				1	
Conway.....	2					2
McPherson.....	2					2
Meade County—						
Meade.....	1				1	
Mitchell County—						
Beloit.....	5					5
Simpson.....	1					1
Montgomery County—						
Cherryvale.....	7				2	5
Liberty.....	1					1
Caney.....	2					2
Coffeyville.....	1				1	
Independence.....	2				1	1
Morton County—						
Elkhart.....	3				3	
Neosho County—						
Galesburg.....	1					1
Ness County—						
Ransom.....	1				1	
Norton County—						
Lenora.....	1					1
Osage County—						
Scranton.....	5				5	
Osage City.....	1				1	
Ottawa County—						
Minneapolis.....	1				1	
Pawnee County—						
Rozelle (R. D. 3).....	4				3	1
Larned.....	1				1	
Reno County—						
Hutchinson.....	2					2
Republic County—						
Rydal.....	1				1	
Belleville.....	3				3	
Scandia.....	1					1
Rice County—						
Sterling.....	1				1	
Rush County—						
La Crosse.....	1				1	
Saline County—						
Gypsum.....	1				1	
Scott County—						
Scott City.....	1					1
Sedgwick County—						
Wichita.....	59				1	58
Seward County—						
Liberal.....	1				1	
Shawnee County—						
Topeka (R. D. 2).....	16		1	1	7	7
Sherman County—						
Goodland.....	9			1	6	2
Stafford County—						
St. John.....	3				3	
Stevens County—						
Hugoton.....	1					1

SMALLPOX—Continued.

State Reports for June, 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.
Kansas—Continued.						
Sumner County—						
Conway Springs.....	3				3	
Belle Plaine.....	1					
Wellington.....	8		1	1	6	
Wichita County—						
Leoti.....	1				1	
Wilson County—						
Neodesha.....	1				1	
Fredonia.....	2					2
Wyandotte County—						
Rosedale.....	1				1	
Kansas City.....	7				2	5
Total.....	390		5	11	142	232
Maryland:						
Baltimore.....	4				4	
Anne Arundel County—						
Snowdentown.....	2				2	
Garrett County—						
Deer Park, R. D.....	3				3	
Shall, R. D.....	1				1	
Dodson.....	1				1	
Worcester County—						
Berlin, R. D.....	4				4	
Snow Hill, R. D.....	2				2	
Stockton.....	1				1	
Bishopville, R. D.....	1				1	
Total.....	19				19	
Minnesota:						
Anoka County—						
Columbia Heights.....	1				1	
Benton County—						
St. Cloud.....	4				4	
Maywood Township.....	1				1	
Bigstone County—						
Akron Township.....	2				2	
Blue Earth County—						
Mankato.....	1				1	
Mapleton.....	6				5	1
Carlton County—						
Moose Lake.....	1				1	
Automba Township.....	1				1	
Moose Lake Township.....	4				4	
Carver County—						
Victoria.....	1				1	
Watertown Township.....	1				1	
Chippewa County—						
Clara City.....	3				3	
Lone Tree Township.....	1				1	
Rheiderland Township.....	1				1	
Tunsberg Township.....	1				1	
Clay County—						
Moorhead.....	1				1	
Alliance Township.....	1				1	
Crow Wing County—						
Crosby.....	2				2	
Dakota County—						
Farmington.....	1				1	
Inver Grove.....	3			1	1	1
Dodge County—						
West Concord.....	1				1	
Ashland Township.....	1				1	
Fillmore County—						
Bloomfield Township.....	1				1	
Freeborn County—						
Albert Lea.....	8			1	6	1
Albert Lea Township.....	2				2	
Hayward Township.....	1				1	

SMALLPOX—Continued.

State Reports for June, 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.
Minnesota—Continued.						
Goodhue County—						
Red Wing.....	2				2	
Belvidere Township.....	3				3	
Grant County—						
Elbow Lake.....	5				5	
Lien Township.....	5				5	
Hennepin County—						
Minneapolis.....	144		12	10	85	37
Long Lake.....	1				1	
Tonka Bay.....	4				4	
Excelsior Township.....	1				1	
Maple Grove Township.....	1				1	
Minnetonka Township.....	1				1	
Plymouth Township.....	1				1	
Jackson County—						
Christiania Township.....	1				1	
Lac qui Parle County—						
Dawson.....	1				1	
Lake County—						
Two Harbors.....	2				2	
Fall Lake Township.....	9				9	
Lyon County—						
Tracy.....	1				1	
McLeod County—						
Lynn Township.....	1				1	
Martin County—						
Waverly Township.....	3				3	
Meeker County—						
Litchfield.....	2				2	
Danielson Township.....	2				2	
Union Grove Township.....	4				4	
Mille Lacs County—						
Milaca.....	4			1	3	
Morrison County—						
Little Falls.....	1		1			
Mower County—						
Austin.....	1				1	
Nicollet County—						
Nicollet Township.....	1				1	
Olmsted County—						
Rochester.....	12				12	
Ottertail County—						
Deer Creek.....	1				1	
Pelican Township.....	2				2	
Pipestone County—						
Pipestone.....	1				1	
Polk County—						
Crookston.....	5				4	1
Vineland Township.....	2				2	
Ramsey County—						
St. Paul.....	20				20	
Renville County—						
Cairo Township.....	1				1	
Flora Township.....	1				1	
Rice County—						
Faribault.....	7		1	2	4	
Walcott Township.....	1				1	
Rock County—						
Luverne.....	1				1	
St. Louis County—						
Duluth.....	14				14	
Ely.....	1				1	
Eveleth.....	1				1	
Floodwood.....	3				3	
Hibbing.....	4				4	
Virginia.....	2			1	1	
Morse Township.....	2				2	
Stuntz Township.....	1				1	
Scott County—						
Belle Plaine.....	1				1	

SMALLPOX—Continued.

State Reports for June, 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.
Minnesota—Continued.						
Stearns County—						
St. Cloud.....	4				4	
Wakefield Township.....	1				1	
Steele County—						
Owatonna.....	4				4	
Swift County—						
Benson.....	1				1	
Dublin Township.....	1				1	
Todd County—						
Staples.....	1				1	
Little Sank Township.....	1				1	
Washington County—						
Stillwater.....	1				1	
Winona County—						
Lewiston.....	1				1	
Winona.....	2				2	
Total.....	352		14	16	281	41
Montana:						
Blaine County—						
Harlem.....	3				3	
Cascade County—						
Great Falls.....	1				1	
Custer County—						
Miles City.....	5				5	
Dawson County—						
Glendive.....	15				11	4
Intake.....	2					2
Fergus County—						
Lewistown.....	2					2
Flathead County—						
Polson.....	1				1	
Hill County—						
Havre.....	6				6	
Liberty County—						
Chester.....	5			1	4	
Madison County—						
Twin Bridges.....	2				2	
Missoula County—						
Missoula.....	3				3	
Powder River County—						
Broadus.....	1				1	
Ravalli County—						
Victor.....	1			1		
Richland County—						
Fairview.....	1				1	
Lambert.....	6				6	
Rosebud County—						
Sumatra.....	1				1	
Sanders County—						
Heron.....	1				1	
Sheridan County—						
Plentywood.....	1				1	
Whitetail.....	1				1	
Silver Bow County—						
Butte.....	1				1	
Yellowstone County—						
Ballantine.....	5				5	
Billings.....	1				1	
Laurel.....	5		1		4	
Worden.....	2				2	
Total.....	72		1	2	61	8

SMALLPOX—Continued.
State Reports for June, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Arkansas:			Illinois—Continued.		
Benton County.....	3		Fayette County—		
Conway County.....	1		Douglas Township.....	1	
Craighead County.....	1		Efingham.....	3	
Crawford County.....	1		Fayette County—		
Desha County.....	1		Sharon Township.....	1	
Drew County.....	3		Vandalia Township.....	3	
Franklin County.....	3		Brownstown.....	1	
Garland County.....	4		Feiton Township.....	1	
Howard County.....	3		Franklin County—		
Jackson County.....	2		Buckner.....	1	
Lee County.....	1		Frankfort Heights.....	1	
Mississippi County.....	7		Fesser.....	18	
Perry County.....	1		Six Mile Township.....	1	
Prairie County.....	8		Frankfort Township.....	1	
Pulaski County.....	2		Zeigler.....	2	
Saline County.....	1		West City.....	4	
Sebastian County.....	2		Gallatin County—		
St. Francis.....	2		Equality Township.....	1	
Washington County.....	1		Junction.....	1	
White County.....	6		Shawneetown.....	1	
Woodruff County.....	4		Green County—		
Total.....	57		Hillview.....	3	
Illinois:			Whitehall Township.....	1	
Adams County—			Rockbridge Township.....	1	
Lorraine.....	1		Hamilton County—		
Quincy.....	9		Crouch Township.....	4	
Alexander County—			Knight Prairie.....	1	
Tamm.....	1		Hancock County—		
Boone County—			Augusta.....	3	
Belvidere.....	6		Walker Township.....	1	
Mount Sterling.....	1		Hardin County—		
Brown County—			Rosiclare.....	3	
Cooperstown Town- ship.....	2		Henderson County—		
Pea Ridge Township.....	9		Gladstone.....	7	
Bureau County—			Gladstone Township.....	6	
Seatonville.....	2		Henry County—		
Mimral.....	1		Kewanee.....	10	
Carroll County—			Andover Township.....	1	
Mount Carroll.....	2		Cambridge.....	4	
Champaign County—			Galva Township.....	1	
Champaign.....	1		Kewanee Township.....	10	
Christian County—			Woodhull.....	1	
Greenwood Township.....	1		Jackson County—		
Pana.....	2		Carbondale.....	12	
Taylorville.....	4		Grand Tower.....	16	
Clay County—			Grand Tower Town- ship.....	13	
Clay City Township.....	6		Jasper County—		
Clinton County—			Newton.....	1	
New Baden.....	1		Jefferson County—		
Cook County—			Blissville.....	2	
Blue Island.....	1		Spring Garden Town- ship.....	3	
Chicago.....	6		Blissville Township.....	4	
Evanston.....	2		Mount Vernon Town- ship.....	2	
Wilmette.....	3		Jersey County—		
Lansing.....	1		Jersey Township.....	1	
Crawford County—			Jo Daviess County—		
Martins Township.....	1		Dumleith Township.....	1	
Oblong.....	1		Rush Township.....	1	
Prairie Township.....	2		Johnson County—		
Robinson.....	20		Tunnell Hill Precinct.....	3	
Robinson Township.....	10		Kane County—		
Honey Creek Town- ship.....	2		Aurora.....	3	
Cumberland County—			Batavia.....	1	
Crooked Creek Town- ship.....	5		Knox County—		
Dewitt County—			Galesburg.....	11	
Farmer City.....	5		Galesburg Township.....	13	
Rockbridge Township.....	1		Maquon.....	1	
Santa Anna Township.....	1		Maquon Township.....	1	
Douglas County—			Lake County—		
Tuscola.....	3		Waukegan.....	1	
Dupage County—			La Salle County—		
Naperville Township.....	2		La Salle.....	7	
Edwards County—			Seneca.....	15	
West Salem.....	1		Crotty.....	16	
			Lawrence County—		
			Lawrenceville.....	4	
			Lawrence Township.....	3	

SMALLPOX—Continued.

State Reports for June, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Illinois—Continued.			Illinois—Continued.		
Logan County—			Schuyler County—		
Atlanta.....	4		Rushville.....	1	
McLean County—			Bambridge Town- ship.....	1	
Bloomington.....	1		Cakland Township.....	3	
Bloomington Town- ship.....	1		Scott County—		
Macon County—			Bluffs.....	3	
Decatur.....	3		Stephenson County—		
Macoupin County—			Freeport.....	18	
Girard.....	2		Lancaster Township.....	2	
Nilwood.....	1		Tazewell County—		
Nilwood Township.....	1		Pekin.....	5	
Gerard Township.....	2		Union County—		
Madison County—			Jonesboro.....	2	
Alton.....	1		Alto Pass.....	4	
Highland.....	1		Vermilion County—		
Madison.....	6		Danville.....	2	
Venice.....	7		Sidell.....	3	
Marion County—			Sidell Township.....	3	
Centralia.....	1		Wabash County—		
Mason County—			Mount Carmel.....	2	
Salt Creek Township.....	1		Washington County—		
Massac County—			Nashville.....	7	
Metropolis.....	6		Wayne County—		
Menard County—			Fairfield.....	2	
Irish Grove Precinct.....	1		Arrington Township.....	2	
Petersburg.....	14		White County—		
Athens.....	1		Crossville.....	1	
Mercer County—			Enfield.....	3	
Aledo.....	2		Indian Creek Town- ship.....	4	
Mercer Township.....	1		Will County—		
Montgomery County—			Joliet.....	9	
Bois D'Arc.....	3		Williamson County—		
Litchfield.....	3		Marion.....	3	
Zanesville Township.....	1		Winneshago County—		
Morgan County—			Guilford Township.....	7	
Alexander Precinct.....	2		Rockford.....	7	
Chapin.....	3		Woodford County—		
Franklin.....	5		Panola Township.....	1	
Franklin Precinct.....	1				
Jacksonville.....	26		Total.....	647	
Woodson Precinct.....	2				
Meredosia.....	4		Indiana:		
Moultrie County—			Adams County.....	9	
Lowe Township.....	3		Allen County.....	1	
Peoria County—			Bartholomew County.....	2	
Jubilee Township.....	1		Benton County.....	5	
Peoria.....	4		Blackford County.....	4	
Pike County—			Cass County.....	15	
Hull.....	1		Clay County.....	8	
Pittsfield.....	1		Clinton County.....	2	
Detroit Township.....	6		Daviess County.....	4	
Hadley Township.....			Dearborn County.....	1	
Pope County—			Decatur County.....	5	
Golconda.....	4		Delaware County.....	1	
Pulaski County—			Dubois County.....	2	
Mound City.....	2		Elkhart County.....	6	
Karnak.....	1		Fayette County.....	2	
Richland County—			Franklin County.....	2	
Calhoun.....	4		Fulton County.....	2	
Rock Island County—			Gibson County.....	10	
East Moline.....	4		Greene County.....	40	
Moline.....	4		Hamilton County.....	6	
Rock Island.....	12		Howard County.....	17	
Cordova.....	1		Huntington County.....	14	
St. Clair County—			Jackson County.....	4	
East St. Louis.....	21		Jasper County.....	7	
Saline County—			Jennings County.....	7	
Eldorado.....	5		Johnson County.....	1	
Harrisburg.....	2		Knox County.....	5	
Carrier Mills Town- ship.....	1		Lake County.....	11	
Carrier Mills.....	6		Laporta County.....	2	
Sangamon County—			Lawrence County.....	8	
Buffalo Hart.....	4		Madison County.....	19	
Curran Township.....	1		Marion County.....	51	
Springfield.....	7		Martin County.....	4	

SMALLPOX—Continued.

State Reports for June, 1926—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Indiana—Continued.			Michigan—Continued.		
Miami County.....	1		Tuscola County.....	1	
Morgan County.....	4		Washtenaw County.....	5	
Orange County.....	1		Wayne County.....	171	
Parke County.....	3		Total.....	494	
Pike County.....	2		North Carolina:		
Posey County.....	21		Alamance County.....	1	
Rush County.....	6		Avery County.....	1	
Shelby County.....	4		Beaufort County.....	6	
Spencer County.....	4		Bertie County.....	9	
Starks County.....	3		Buncombe County.....	2	
St. Joseph County.....	20		Catawba County.....	1	
Sullivan County.....	5		Chowan County.....	5	
Tippecanoe County.....	3		Clay County.....	1	
Tipton County.....	3		Craven County.....	5	
Vanderburg County.....	2		Cumberland County.....	3	
Vermillion County.....	6		Currituck County.....	3	
Vigo County.....	13		Duplin County.....	1	
Wabash County.....	20		Edgecombe County.....	3	
Warrick County.....	8		Forsyth County.....	5	
Wayne County.....	5		Franklin County.....	2	
Wells County.....	2		Gaston County.....	2	
White County.....	3		Gates County.....	1	
Whitley County.....	5		Granville County.....	4	
Total.....	421		Guilford County.....	11	
Louisiana:			Harnett County.....	7	
Bienville Parish.....	1		Haywood County.....	3	
Caddo Parish.....	15		Hertford County.....	7	
East Baton Rouge Parish.....	2		Iredell County.....	3	
Jefferson Parish.....	3		Johnston County.....	6	
Lafourche Parish.....	11		Madison County.....	2	
St. Charles Parish.....	1		Martin County.....	1	
St. Martin Parish.....	7		Mecklinburg County.....	3	
St. Mary Parish.....	1		Nash County.....	1	
Tangipahoa Parish.....	4		New Hanover County.....	1	
Terrebonne Parish.....	1		Orange County.....	10	
West Carroll Parish.....	9		Pender County.....	1	
Winn Parish.....	1		Perquimans County.....	1	
Orleans Parish.....	35		Person County.....	3	
Total.....	91		Pitt County.....	28	
Michigan:			Robeson County.....	1	
Alger County.....	4		Rockingham County.....	58	
Baraga County.....	6		Rutherford County.....	1	
Berrien County.....	11		Sampson County.....	8	
Branch County.....	8		Swain County.....	8	
Calhoun County.....	10		Union County.....	1	
Cheboygan County.....	19		Vance County.....	6	
Crawford County.....	1		Wake County.....	2	
Delta County.....	1		Warren County.....	1	
Eaton County.....	14		Washington County.....	8	
Genesee County.....	6		Wayne County.....	1	
Gogebic County.....	1		Wilson County.....	2	
Grand Traverse County.....	4		Yadkin County.....	1	
Gratiot County.....	1		Yancey County.....	1	
Houghton County.....	26		Total.....	242	
Huron County.....	2		North Dakota:		
Ingham County.....	26		Burleigh County—		
Isabella County.....	2		Bismarck.....	1	
Jackson County.....	3		Cass County—		
Kalamazoo County.....	8		Fargo.....	5	
Kent County.....	1		Griggs County.....	2	
Mackinaw County.....	5		Nelson County.....	6	
Marquette County.....	14		Ramsey County.....	1	
Monroe County.....	3		Ransom County—		
Montcalm County.....	7		Lisbon.....	1	
Montmorency County.....	1		Stutsman County—		
Muskegon County.....	3		Jamestown.....	2	
Newaygo County.....	2		Total.....	18	
Oakland County.....	15		South Carolina:		
Oscans County.....	6		Aiken County.....	6	
Ontonagon County.....	1		Charleston County.....	169	
Presque Isle County.....	4		Cherokee County.....	4	
Saginaw County.....	7		Clarendon County.....	3	
Sauilac County.....	4				
Schoolcraft County.....	1				

SMALLPOX—Continued.

State Reports for June, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
South Carolina—Continued.			Washington—Continued.		
Dillon County.....	2	.....	King County—Continued.		
Greenville County.....	8	.....	Kirkland.....	2	.....
Marion County.....	3	.....	Seattle.....	48	.....
Orangeburg County.....	5	.....	Kittitas County.....	2	.....
Pickens County.....	2	.....	Klickitat County.....	1	.....
Richland County.....	1	.....	Lewis County.....	4	.....
Spartanburg County.....	6	.....	Toledo.....	1	.....
Total.....	209	.....	Lincoln County.....	9	.....
Washington:			Almira.....	1	.....
Adams County—			Harrington.....	2	.....
Ritzville.....	1	.....	Mason County.....	1	.....
Washucna.....	2	.....	Pacific County.....	1	.....
Asotin County.....	2	.....	Pend Oreille County.....	2	.....
Benton County.....	3	.....	Pierce County.....	1	.....
Chelan County—			Tacoma.....	25	.....
Wenatchee.....	8	.....	Skagit County.....	6	.....
Challam County.....	2	.....	Mount Vernon.....	1	.....
Port Angeles.....	1	.....	Sedro Woolley.....	11	.....
Clarke County.....	2	.....	Snohomish County.....	2	.....
Vancouver.....	2	.....	Granite Falls.....	2	.....
Columbia County.....	5	.....	Spokane County.....	12	.....
Dayton.....	1	.....	Cheney.....	3	.....
Douglas County.....	18	.....	Spokane.....	61	.....
Grant County.....	2	.....	Thurston County.....	6	.....
Coulee City.....	1	.....	Olympia.....	1	.....
Grays Harbor County—			Whatcom County.....	1	.....
Aberdeen.....	8	.....	Bellingham.....	8	.....
Cosmopolis.....	1	.....	Walla Walla County.....	4	.....
Hoquiam.....	2	.....	Walla Walla.....	2	.....
Island County—			Whitman County—		
Coupeville.....	1	.....	Colfax.....	7	.....
Oak Harbor.....	2	.....	Malden.....	3	.....
King County.....	7	.....	Yakima County.....	32	.....
Enumblaw.....	1	.....	Mabton.....	1	.....
Kent.....	1	.....	Yakima.....	13	.....
			Total.....	349	.....

City Reports for Week Ended July 10, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of previous years for which data are available. The years used are 1915 to 1919, inclusive, but in many instances the information is not available for the full five years. In these cases the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Illinois—Continued.			
Birmingham.....	(¹)	1	.....	Rock Island.....	(¹)	4	.....
Mobile.....	(¹)	1	.....	Springfield.....	2	2	.....
Arkansas:				Indiana:			
Fort Smith.....	(¹)	2	.....	Elkhart.....		3	.....
California:				Kokomo.....	2	4	.....
Long Beach.....	(¹)	1	.....	Logansport.....	4	1	.....
Los Angeles.....	(¹)	8	.....	Mishawaka.....	0	2	.....
Oakland.....	0	2	.....	Iowa:			
Riverside.....	1	1	.....	Cedar Rapids.....	1	1	.....
San Francisco.....	1	7	.....	Council Bluffs.....	0	2	.....
Colorado:				Davenport.....	1	1	.....
Denver.....	4	9	.....	Des Moines.....	3	5	.....
Greeley.....	0	2	.....	Dubuque.....	(¹)	17	.....
Idaho:				Marshalltown.....		1	.....
Boise.....	1	2	.....	Mason City.....	0	1	.....
Illinois:				Mason City.....	2	2	.....
East St. Louis.....	0	3	.....	Sioux City.....			
Galesburg.....	(¹)	1	.....	Kansas:			
Jacksonville.....	0	1	.....	Fort Scott.....	0	1	.....
				Kansas City.....	3	1	.....

¹ Average less than 1.

SMALLPOX—Continued.

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

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Kansas—Continued.				Ohio—Continued.			
Parsons.....	0	10	.....	Lancaster.....	0	1	.....
Topoka.....	1	1	.....	Lima.....	(¹)	15	.....
Wichita.....	4	3	.....	Marion.....	0	1	.....
Kentucky:				Springfield.....	1	1	.....
Covington.....	(¹)	1	.....	Tiffin.....	0	1	.....
Paducah.....		1	.....	Toledo.....	2	1	.....
Louisiana:				Youngstown.....	6	2	.....
New Orleans.....	2	1	1	Oklahoma:			
Massachusetts:				Oklahoma City.....	4	2	.....
Chicopee.....	0	1	.....	Oregon:			
Michigan:				Portland.....	10	6	.....
Battle Creek.....	(¹)	1	.....	Pennsylvania:			
Detroit.....	7	25	.....	Connellsville.....	0	2	.....
Flint.....	3	1	.....	South Carolina:			
Highland Park.....	6	3	.....	Charleston.....	(¹)	5	.....
Ironwood.....	0	1	.....	Tennessee:			
Minnesota:				Knoxville.....	(¹)	2	.....
Duluth.....	(¹)	1	.....	Nashville.....	0	2	.....
Mankato.....	0	1	.....	Texas:			
Minneapolis.....	8	12	4	Dallas.....		3	.....
St. Cloud.....	1	6	.....	Fort Worth.....	(¹)	2	.....
St. Paul.....	1	2	.....	Utah:			
Stillwater.....	0	1	.....	Salt Lake City.....	5	17	.....
Missouri:				Virginia:			
Kansas City.....	3	2	.....	Norfolk.....	(¹)	2	.....
St. Joseph.....	3	1	.....	Washington:			
St. Louis.....	4	3	.....	Bellingham.....	(¹)	1	.....
Montana:				Everett.....	2	1	.....
Missoula.....	0	1	.....	Seattle.....	2	6	.....
Nebraska:				Spokane.....	3	5	.....
Omaha.....	8	7	.....	Tacoma.....	1	3	.....
Nevada:				Yakima.....	3	9	.....
Reno.....	0	1	.....	West Virginia:			
New York:				Bluefield.....	0	1	.....
New York.....	(¹)	1	.....	Charleston.....	(¹)	1	.....
Niagara Falls.....	0	1	.....	Wisconsin:			
North Carolina:				Appleton.....	0	6	.....
Rocky Mount.....	0	1	.....	Kenosha.....	0	10	.....
Ohio:				Manitowoc.....	0	1	.....
Akron.....	5	6	.....	Milwaukee.....	3	11	.....
Canton.....	(¹)	1	.....	Oshkosh.....	1	2	.....
Cincinnati.....	1	3	.....	Racine.....	1	1	.....
Columbus.....	1	1	.....	Sheboygan.....	0	1	.....

¹ Average less than 1.

TETANUS.

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baton Rouge, La.....	1	1	New Orleans, La.....		1
Chicago, Ill.....	1	1	New York, N. Y.....		1
East Chicago, Ind.....	1	1	Oklahoma City, Okla.....		1
Fall River, Mass.....	1	1	Philadelphia, Pa.....	2	2
Galveston, Tex.....	1	1	St. Louis, Mo.....	3	1
Mobile, Ala.....	1	1	Spartanburg, S. C.....	1	.....

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 1803, and Weekly reports from cities, p. 1829.

TYPHOID FEVER.

State Reports for June, 1920.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Illinois—Continued.	
Benton County.....	1	Montgomery County—	
Bradley County.....	1	Grisham Township.....	1
Carroll County.....	1	Panama.....	3
Crawford County.....	6	Morgan County—	
Faulkner County.....	3	Jacksonville.....	2
Franklin County.....	1	Perry County—	
Greene County.....	1	Tamaroa.....	4
Izard County.....	1	Fike County—	
La'ayette County.....	1	Time.....	1
Monroe County.....	2	Rock Island County—	
Popo County.....	2	East Moline.....	1
Sebastian County.....	2	Moline.....	1
Sevier County.....	4	Rock Island.....	1
Union County.....	1	Coal Valley Township.....	1
Washington County.....	2	St. Clair County—	
White County.....	3	East St. Louis.....	3
Total.....	32	Saline County—	
Illinois:		Galatia.....	1
Adams County—		Bolton.....	1
Clayton.....	1	Sangamon County—	
Calhoun County—		Springfield.....	2
Hardin.....	1	Shelby County—	
Cass County—		Okaw Township.....	1
Ashland.....	1	State Hospitals—	
Champaign County—		Kankakee State Hospital.....	1
Urbana.....	2	State Penitentiary—	
Christian County—		South Illinois.....	2
Mosquito Township.....	1	Vermilion County—	
Clay County—		Potomac.....	1
Xenia.....	2	Will County—	
Coles County—		Joliet.....	1
Charleston.....	1	Joliet Township.....	1
Mattoon.....	13	Williamson County—	
La Fayette Township.....	1	Carterville.....	1
Cook County—		Winnebago County—	
Chicago.....	14	Rockford.....	1
Evanston.....	9	Total.....	124
Forest Park.....	3	Indiana:	
Glencoe.....	1	Bartholomew County.....	1
River Forest.....	3	Boone County.....	1
Douglas County—		Cass County.....	10
Villa Grove.....	1	Clinton County.....	1
Dupage County—		Delaware County.....	1
Naperville.....	1	Elkhart County.....	3
Hamilton County—		Harrison County.....	1
Twigg Township.....	1	Huntington County.....	12
Henry County—		Lake County.....	31
Kewanee.....	2	Madison County.....	2
Kewanee Township.....	3	Marion County.....	8
Jackson County—		Orange County.....	1
Carbondale.....	1	Pike County.....	1
Levan Township.....	1	Rush County.....	5
Ora Township.....	1	St. Joseph County.....	2
Jefferson County—		White County.....	2
Mount Vernon Township.....	2	Total.....	82
Jersey County—		Kansas:	
Jerseyville.....	1	Barton County—	
Kane County—		Great Bend.....	2
Batavia.....	1	Bourbon County—	
Lake County—		Bronson.....	1
North Chicago.....	9	Brown County—	
Waukegan.....	1	Morrill.....	1
La Salle County—		Butler County—	
La Salle.....	3	Leon.....	1
Oglesby.....	1	Chelsea.....	1
Peru.....	1	Towanda.....	1
Earlville.....	1	Beaumont.....	1
Macon County—		Chase County—	
Decatur.....	1	Strong City.....	1
Madison County—		Cherokee County—	
Venice.....	1	Baxter (I. R. D.).....	2
Marion County—		Galena.....	2
Odin.....	1		
Mercer County—			
New Boston.....	1		

TYPHOID FEVER—Continued.

State Reports for June, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Kansas—Continued.		Louisiana—Continued.	
Cloud County—		St. James Parish.....	10
Glasco.....	1	St. Landry Parish.....	3
Cowley County—		St. Mary Parish.....	6
Arkansas City (1 R. D.).....	2	Terrebonne Parish.....	13
Winfield.....	1	Union Parish.....	1
Crawford County—		Vermillion Parish.....	3
Farlington.....	6	Vernon Parish.....	3
Arcadia.....	1	Washington Parish.....	1
Girard (1 R. D.).....	1		
Pittsburg.....	2	Total.....	78
Dickinson County—			
Herington.....	1	Maryland:	
Ellsworth County—		Baltimore.....	13
Holyrood.....	1	Baltimore County—	
Ford County—		Parkton, R. D.....	1
Dodge City.....	2	Caroline County—	
Franklin County—		Ridgely, R. D.....	1
Saffordville.....	1	Carroll County—	
Ottawa (R. D.).....	1	New Windsor, R. D.....	2
Johnson County—		Charles County—	
Olathe.....	2	Beantown.....	1
Labette County—		Howard County—	
Parsons.....	2	Elkridge.....	1
Leavenworth County—		Ellicott City.....	1
Leavenworth.....	1	Prince Georges County—	
Miami County—		Berwyn.....	1
Wellsville (R. D.).....	1	Queen Annes County—	
Montgomery County—		Church Hill.....	1
Cherryvale.....	1	Centerville, R. D.....	1
Elk Falls.....	1	Church Hill, R. D.....	1
Coffeyville.....	1	Hartley, R. D.....	1
Independence.....	3	Somerset County—	
Neosho County—		Eden, R. D.....	1
Erie.....	1	Washington County—	
Pratt County—		Security.....	2
Byers.....	1	Chewsville.....	1
Beno County—		Hagerstown.....	1
Hutchinson.....	3	Leitersburg, R. D.....	1
Russell County—		Wicomico County—	
Russell.....	1	Bivalve.....	1
Saline County—		Worcester County—	
Salina.....	5	Pocomoke City, R. D.....	2
Sedgewick County—		Snow Hill, R. D.....	3
Wichita.....	1	Zion, R. D.....	1
Shawnee County—			
Topeka.....	7	Total.....	38
Sumner County—			
Caldwell.....	1	Michigan:	
Wellington.....	1	Allegan County.....	1
Wilson County—		Alpena County.....	10
Fredonia.....	1	Arenac County.....	1
Benedict.....	1	Barry County.....	2
Altoona.....	1	Bay County.....	15
Wyandotte County—		Berrien County.....	4
Kansas City.....	2	Chippewa County.....	1
		Crawford County.....	1
Total.....	71	Genesee County.....	6
		Gratiot County.....	1
Louisiana:		Ingham County.....	5
Assumption Parish.....	2	Ionia County.....	1
Avoyelles Parish.....	1	Iosco County.....	2
Caddo Parish.....	6	Kent County.....	3
Calcasieu Parish.....	1	Lapeer County.....	1
Claiborne Parish.....	4	Lenawee County.....	1
De Soto Parish.....	3	Livingston County.....	1
East Baton Rouge Parish.....	1	Montcalm County.....	1
East Feliciana Parish.....	2	Muskegon County.....	2
Evangeline Parish.....	2	Oakland County.....	1
Iberia Parish.....	2	Oceana County.....	1
Iberville Parish.....	1	Sanilac County.....	1
Lincoln Parish.....	1	Washtenaw County.....	1
Livingston Parish.....	1	Wayne County.....	34
Rapides.....	2	Wexford County.....	1
Orleans Parish.....	8		
Sabine Parish.....	1	Total.....	98
St. Helena Parish.....	1		

TYPHOID FEVER—Continued.

State Reports for June, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Minnesota:		North Carolina—Continued.	
Blue Earth County—		Gaston County.....	7
Mankato.....	1	Graham County.....	1
Goodhue County—		Guilford County.....	5
Red Wing.....	3	Halifax County.....	2
Hennepin County—		Harnett County.....	3
Minneapolis.....	4	Haywood County.....	3
Independence Township.....	4	Henderson County.....	1
Minnetrista Township.....	1	Hertford County.....	1
Isanti County—		Hoke County.....	2
Braham.....	1	Iredell County.....	1
Lyon County—		Johnston County.....	5
Rock Lake Township.....	1	Lee County.....	1
Olmsted County		Lenoir County.....	6
Rochester.....	1	Martin County.....	2
Pennington County—		Mecklenburg County.....	1
St. Hilaire.....	1	Mitchell County.....	3
Thief River Falls.....	1	Montgomery County.....	2
Rice County—		New Hanover County.....	4
Faribault.....	1	Northampton County.....	1
St. Louis County—		Pamlico County.....	2
Babbitt.....	1	Pender County.....	1
Eveleth.....	3	Perquimans County.....	2
Hibbing.....	1	Pitt County.....	7
Virginia.....	1	Richmond County.....	4
Biwabik Township.....	2	Robeson County.....	5
White Township.....	1	Rockingham County.....	1
Total.....	28	Roxan County.....	3
Montana:		Sampson County.....	8
Cascade County—		Stokes County.....	1
Great Falls.....	2	Union County.....	1
Chouteau County—		Wade County.....	7
J.oma.....	1	Warren County.....	2
Flathead County—		Watauga County.....	1
Pablo.....	1	Wayne County.....	4
Granite County—		Wilkes County.....	1
Phillipsburg.....	1	Wilson County.....	5
Hill County—		Yancey County.....	1
Havre.....	1	Total.....	152
Lewis and Clark County—		North Dakota:	
Helena.....	2	Morton County—	
Missoula County—		Hebron.....	1
Missoula.....	3	Stutsman County—	
Ronan.....	1	Jamestown.....	1
St. Ignatius.....	1	Total.....	2
Musselshell County—		South Carolina:	
Belmont.....	1	Abbeville County.....	1
Lavina.....	1	Anderson County.....	2
Treasure County—		Calhoun County.....	13
Hysham.....	1	Cherokee County.....	13
Yellowstone County—		Chester County.....	8
Billings.....	2	Darlington County.....	3
Worden.....	1	Dorchester County.....	8
Total.....	19	Fairfield County.....	2
North Carolina:		Florence County.....	4
Alamance County.....	1	Greenville County.....	2
Beaufort County.....	3	Greenwood County.....	6
Brunswick County.....	1	Horry County.....	1
Buncombe County.....	1	Jasper County.....	2
Caldwell County.....	1	Kershaw County.....	1
Carteret County.....	1	Laurens County.....	1
Catawba County.....	1	Lee County.....	4
Chatham County.....	1	Marion County.....	6
Cherokee County.....	2	Marlboro County.....	1
Chowan County.....	3	Newberry County.....	3
Columbus County.....	2	Oconee County.....	2
Craven County.....	1	Orangeburg County.....	7
Cumberland County.....	6	Richland County.....	6
Davidson County.....	1	Spartanburg County.....	2
Duplin County.....	7	Sumter County.....	15
Durham County.....	3	Total.....	113
Fdgeombe County.....	5		
Forsyth County.....	5		

TYPHOID FEVER—Continued.

State Reports for June, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Vermont:		Washington—Continued.	
Addison County.....	4	Clarke County—	1
Caledonia County.....	1	Vancouver.....	3
Chittenden County—		King County.....	3
Burlington City.....	1	Seattle.....	
Franklin County.....	1	Lincoln County—	
Orange County.....	1	Davenport.....	1
Rutland County.....	1	Pierce County—	
Total.....	9	Tacoma.....	1
Washington:		Thurston County—	
Adams County—		Olympia.....	1
Washtucna.....	4	Yakima County.....	1
Chelan County.....	3	Yakima.....	1
Wenatchee.....	4	Total.....	23

City Reports for Week Ended July 10, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Albany, N. Y.....	2		Lynn, Mass.....	1	
Allentown, Pa.....	1		Macon, Ga.....	1	
Anniston, Ala.....	1		Manchester, N. H.....	1	
Arlington, Mass.....	1		Mankato, Minn.....		1
Atlanta, Ga.....	1		Mattoon, Ill.....	1	
Baltimore, Md.....	2	1	Missoula, Mont.....	1	
Baton Rouge, La.....	2	1	Mobile, Ala.....	2	1
Beaumont, Tex.....	1		Mt. Vernon, N. Y.....	1	
Billings, Mont.....	1		Muncie, Ind.....	1	
Birmingham, Ala.....	2	1	Muskogee, Okla.....	1	
Bloomington, Ill.....	1	1	Nashville, Tenn.....	3	1
Boston, Mass.....	2		New Bedford, Mass.....	1	
Bradford, Pa.....	1		New Britain, Conn.....	1	
Brunswick, Ga.....	1		New London, Conn.....	2	
Buffalo, N. Y.....	1	1	New Orleans, La.....	1	
Burlington, Vt.....	1		New Philadelphia, Ohio.....	1	
Cairo, Ill.....	1	1	New York, N. Y.....	6	5
Cambridge, Mass.....	1		Niagara Falls, N. Y.....	1	1
Charleston, S. C.....	2	1	Norfolk, Va.....	4	2
Charleston, W. Va.....	3		North Braddock, Pa.....	1	
Chicago, Ill.....	4		Oakland, Calif.....	1	
Cincinnati, Ohio.....	1		Oklahoma City, Okla.....	2	2
Cleveland, Ohio.....	1		Omaha, Nebr.....	2	
Connellsville, Pa.....	1		Philadelphia, Pa.....	7	2
Corpus Christi, Tex.....	2	1	Pueblo, Colo.....	3	1
Cumberland, Md.....	4		Raleigh, N. C.....	1	
Dallas, Tex.....	13		Reno, Nev.....	1	
Davenport, Iowa.....	2		Richmond, Va.....	1	
Decatur, Ill.....	1		Rocky Mount, N. C.....	1	
Denver, Colo.....	2	1	Rome, Ga.....	1	
Detroit, Mich.....	11	2	St. Louis, Mo.....	2	
Dubuque, Iowa.....	1	1	St. Paul, Minn.....	6	
Duluth, Minn.....	1		San Angelo, Tex.....		1
Durham, N. C.....	2		San Bernardino, Calif.....		1
Elkhart, Ind.....	2		San Francisco, Calif.....	1	
Fairmont, W. Va.....	1		Savannah, Ga.....	2	
Fall River, Mass.....	5		Schenectady, N. Y.....	2	
Flint, Mich.....	1		Somerville, Mass.....	2	
Fort Worth, Tex.....	8		Springfield, Ill.....	1	
Fremont, Ohio.....	1		Springfield, Mass.....	1	
Galesburg, Ill.....	1		Springfield, Ohio.....	1	
Grand Rapids, Mich.....	1		Stockton, Calif.....		2
Hibbing, Minn.....	1		Taunton, Mass.....	1	
Huntington, Ind.....		1	Topeka, Kans.....	4	
Hutchinson, Kans.....	1		Troy, N. Y.....	1	
Irrington, N. J.....	1		Tucson, Ariz.....		1
Joplin, Mo.....	1		Uniontown, Pa.....	1	
Kansas City, Kans.....	2		Virginia, Minn.....	1	
Kenosha, Wis.....	2		Waltham, Mass.....	1	
Knoxville, Tenn.....	4	2	Washington, D. C.....	2	
Kokomo, Ind.....	2		Wilmington, N. C.....	1	
Lexington, Ky.....	1		Winston-Salem, N. C.....	5	
Lima, Ohio.....	1		Worcester, Mass.....	1	
Long Beach, Calif.....	1		Yakima, Wash.....	1	
Los Angeles, Calif.....	5		Yonkers, N. Y.....	1	
Lowell, Mass.....	1		York, Pa.....	2	

TYPHUS FEVER.

North Carolina—June, 1920.

During June, 1920, two cases of typhus fever were reported in North Carolina.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended July 10, 1920.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tubercu-loses.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, S. Dak.	15,926	2	3							
Adams, Mass.	14,406	0			2					
Akron, Ohio.	93,604	21	6		2		5			
Alameda, Calif.	28,433	5	4							
Albany, N. Y.	106,632				37				3	
Alexandria, La.	16,232	3	2							
Alexandria, Va.	17,959	9			1					1
Allentown, Pa.	65,109				24				3	
Alton, Ill.	23,783	4			1		1			
Altoona, Pa.	59,712		2		1				6	
Amesbury, Mass.	10,200	3	1							
Anacosta, Mont.	10,631	6			4		2			
Ann Arbor, Mich.	15,041	10	3		10					
Ansonia, Conn.	16,964	6							3	
Appleton, Wis.	18,005						1			
Arlington, Mass.	13,073	4	1		2		3		1	
Asbury Park, N. J.	14,629	5	1		3					
Ashland, Wis.	11,594				1					
Ashtabula, Ohio.	22,008	3							1	
Atlanta, Ga.	196,144	62	1		4	1	1			5
Atlantic City, N. J.	59,515	13	1		5				6	2
Attleboro, Mass.	19,776	7	1		2				3	1
Auburn, Me.	16,607	1	1							
Auburn, N. Y.	37,823	8				21		1		2
Aurora, Ill.	34,795	13			9		1			
Baltimore, Md.	594,637	190	11		51	1	4		14	25
Bangor, Me.	26,968				3					
Barberton, Ohio.	14,187	1								
Barre, Vt.	12,401				1					
Baton Rouge, La.	17,544	8			1					
Battle Creek, Mich.	30,159	2	4	2	4		4			
Bayonne, N. J.	72,204	7	1		3		1		3	
Beatrice, Nebr.	10,437				1					
Beaumont, Tex.	28,851	12							1	1
Beaver Falls, Pa.	13,749				2					
Belleville, N. J.	12,797				2		1			
Bellingham, Wash.	34,362				4					
Beloit, Wis.	18,547				8		1			
Berkeley, Calif.	60,427	7	2						2	
Berlin, N. H.	13,892	2								
Beverly, Mass.	22,128	3					2			
Bidderd, Me.	17,760	2								1
Billings, Mont.	13,123	3			3					
Binghamton, N. Y.	54,864	10	1		23		1			
Birmingham, Ala.	189,716	65	2		4				1	7
Bloomfield, N. J.	19,013	1			34		2			
Bloomington, Ill.	27,462	7		1			1		3	1
Boise, Idaho.	35,951	6			8					
Boston, Mass.	767,813	158	41	4	70	1	18	1	58	23
Braddock, Pa.	22,060		1		1		1		2	
Bradford, Pa.	14,544				27					
Brazil, Ind.	10,472	5			1		1			
Bridgeport, Conn.	124,724	21	3						3	4
Bristol, Conn.	16,318	1			8				2	
Brockton, Mass.	69,152	10	2		1		1		1	
Brookline, Mass.	33,526	8			5				2	
Brunswick, Ga.	10,964	3								
Buffalo, N. Y.	475,781	96								9
Burlington, Iowa.	25,144		1		1		2			
Burlington, Vt.	21,802	2			2		1		1	
Butler, Pa.	28,677		1		3					
Butte, Mont.	44,057	10	1		21		1		1	

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended July 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.
Cairo, Ill.	15,995	8								1
Cambridge, Mass.	114,293	23	2		8		5		4	4
Canton, Ill.	13,674	0								
Canton, Ohio.	62,566	11			1		1		2	
Cape Girardeau, Mo.	11,146	3								
Carlisle, Pa.	10,795				5					
Cedar Rapids, Iowa	38,033						1			
Chambersburg, Pa.	12,475		2							
Charleston, S. C.	61,041	14								2
Charleston, W. Va.	31,060		1				1			
Chelsea, Mass.	46,405	8	2		10		1		2	1
Chester, Pa.	41,857		1		1				1	
Cheyenne, Wyo.	11,320	3					2			
Chicago Heights, Ill.	22,863	3	1							
Chicago, Ill.	2,547,201	430	91	3	167	1	24		163	43
Chicopee, Mass.	29,950	1					1			
Chillicothe, Ohio.	15,625	6					1			
Cincinnati, Ohio.	414,248	75	7	1	14		13		10	5
Cleveland, Ohio.	692,259	180	12	2	15	1	14		49	19
Clinton, Mass.	13,075	3			4					
Coatesville, Pa.	14,998				3					
Coffeyville, Kans.	18,331	2								
Cohoes, N. Y.	25,272	2			2					
Colorado Springs, Colo.	38,965	14			10				2	5
Columbia, Pa.	11,454								1	
Columbia, S. C.	35,165				1					
Columbus, Ohio.	223,135	54			1		4		5	4
Concord, N. H.	22,858	8	2		11				1	
Connellsville, Pa.	15,876				2					
Corpus Christi, Tex.	10,789	6								
Council Bluffs, Iowa.	31,838	10								
Covington, Ky.	59,623	13	2		1					2
Cranston, R. I.	25,773	4								
Cumberland, Md.	25,686	7							1	
Dallas, Tex.	129,738	42	1	1	11				4	4
Danbury, Conn.	22,631	5								
Danvers, Mass.	10,037								2	
Danville, Ill.	32,969	5								
Dayton, Ohio.	123,939	32					4		2	
Decatur, Ill.	41,483	7	1							
Denver, Colo.	268,739	67	2		12		1			9
Des Moines, Iowa.	104,052		1				2			
Detroit, Mich.	619,648	173	48	2	14	2	19	1	40	11
Dover, N. H.	13,276	4								
Du Bois, Pa.	14,994		1							
Dubuque, Iowa.	40,096		1		4		2			
Duluth, Minn.	97,077	10	1		5		2		2	
Durham, N. C.	23,160	8							2	1
East Chicago, Ind.	30,286	7		1						1
East Cleveland, Ohio.	13,864				1		1			
Easthampton, Mass.	10,656									
Easton, Pa.	30,854				31				2	
East Orange, N. J.	43,761	3	1		19				1	
East Providence, R. I.	18,485						1			
East St. Louis, Ill.	77,312	5	2							
Eau Claire, Wis.	18,887				5		2		1	
Elgin, Ill.	28,562	8			5					1
Elizabeth, N. J.	88,830		3		1				4	1
Elkhart, Ind.	22,273	6					8			
Englewood, N. J.	12,603	2			1					
Erie, Pa.	78,592		3		26		3		7	
Eureka, Calif.	15,142	5								
Evansston, Ill.	29,304	7			4					
Everett, Mass.	40,160	7	4							2
Everett, Wash.	37,255				6				5	
Fairmont, W. Va.	16,111		1							
Fall River, Mass.	129,828	28	4		8				3	1
Fargo, N. Dak.	17,872	4	4		2		1			
Farrell, Pa.	10,190				1					
Findlay, Ohio.	14,858	3			1					2
Flint, Mich.	57,386	10	5		3		3			
Fond du Lac, Wis.	21,486		1		1		1			

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended July 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.
Fort Scott, Kans.....	10,564	4								
Fort Smith, Ark.....	29,300		1				2			
Fort Worth, Tex.....	109,597		2							
Fostoria, Ohio.....	10,959	4					1			
Freeport, Ill.....	19,844	7								
Fremont, Nebr.....	10,080	2								
Fremont, Ohio.....	11,034	1					1			
Fresno, Calif.....	36,314	15								
Galesburg, Ill.....	21,629	7	1							
Galveston, Tex.....	42,650	17					1			
Gardner, Mass.....	17,534	8			9	1			1	1
Gary, Ind.....	56,000	12	1	1	1					
Geneva, N. Y.....	13,915	4			2					
Glens Falls, N. Y.....	17,160	4								
Grand Rapids, Mich.....	132,861	27	4		7		1		2	2
Great Falls, Mont.....	13,948	7	1		4		4		1	
Greely, Colo.....	11,942	3								
Green Bay, Wis.....	30,017		1		7		2			
Greenfield, Mass.....	12,251	3	1		8					
Greensboro, N. C.....	20,171	12								
Greensburg, Pa.....	15,881		1		1					
Greenwich, Conn.....	19,594	1	3		7					
Hackensack, N. J.....	17,412	8	1		13				1	2
Hammond, Ind.....	27,016	7	1							
Harrisburg, Pa.....	73,276		2		1				1	
Harrison, N. J.....	17,345		1	1	3					
Hartford, Conn.....	112,851	36	4		7	1				1
Haverhill, Mass.....	49,180	14	2		13		1		2	
Hazleton, Pa.....	28,981		1		3		1			
Hibbing, Minn.....	17,550				9					
Highland Park, Mich.....	33,859	9	4		2		1			
Hoboken, N. J.....	78,324	11	2						1	5
Holyoke, Mass.....	66,503	10			6				2	2
Huntington, Ind.....	10,982	5	2							
Huntington, W. Va.....	47,686	22								2
Indianapolis, Ind.....	283,622	60	4	1	17		5		6	9
Iowa City, Iowa.....	11,626				2					
Ironton, Ohio.....	14,079	1			1					1
Ironwood, Mich.....	15,095	2			10					
Irvington, N. J.....	16,710				2					
Ishpeming, Mich.....	12,448	4							3	
Ithaca, N. Y.....	16,017	5								
Jacksonville, Ill.....	15,506		7							1
Jamestown, N. Y.....	37,431	11			6				1	1
Janesville, Wis.....	14,411				3		1			
Jefferson City, Mo.....	13,712	9								
Jersey City, N. J.....	312,557		11		6		6		7	
Johnstown, Pa.....	70,437		1		4					
Kalamazoo, Mich.....	50,408	19	3		3		1		5	
Kankakee, Ill.....	14,270	1	2		5					
Kansas City, Kans.....	102,096		2		2		1		5	
Kansas City, Mo.....	305,816	50	2		4	1	2		5	2
Kearny, N. J.....	24,326	7			1	1				
Keene, N. H.....	10,725	3	1		3					
Kenosha, Wis.....	32,833		1				6		3	
Kewanee, Ill.....	13,607	4			11					
Knoxville, Tenn.....	59,112								6	6
Kokomo, Ind.....	21,929	2								
Leckawanna, N. Y.....	16,219	3			27		1		1	
La Fayette, Ind.....	21,481	10								
Lake Charles, La.....	14,830	1								
Lancaster, Ohio.....	16,086				1					
Lancaster, Pa.....	51,437		2		3					
La Salle, Ill.....	12,332	3			2					
Lawrence, Kans.....	13,477	6							1	1
Lawrence, Mass.....	102,923	2			16		4		5	1
Leavenworth, Kans.....	19,363	3								
Leominster, Mass.....	21,365	3							4	1
Lexington, Ky.....	41,997	14			2				3	2
Lima, Ohio.....	37,145	7								1
Lincoln, Nebr.....	46,957	16	1		1				1	
Lincoln, R. I.....	10,473						1			

Population Apr. 15, 1910.

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

City Reports for Week Ended July 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.
Little Rock, Ark.	58,716				6		1			
Lockport, N. Y.	20,028	6			1				1	
Logansport, Ind.	21,338	4					1			
Long Beach, Calif.	29,163	12	1		2					
Long Branch, N. J.	15,733	2							1	
Lorain, Ohio	38,266				1					
Los Angeles, Calif.	535,485	142	63	3	86	3	4		65	21
Louisville, Ky.	240,808	43	1	1	20		3		4	6
Lowell, Mass.	114,366	26			26				3	3
Ludington, Mich.	10,566	2							1	
Lynchburg, Va.	33,497	9			21				1	
Lynn, Mass.	104,534	14	6		6		5		4	3
McKeesport, Pa.	48,299		2						1	
McKees Rocks, Pa.	20,795						1			
Macon, Ga.	46,099				3					
Malden, Mass.	52,243	6					1			
Manchester, Conn.	15,859	1								
Manchester, N. H.	79,607	15	1		18		1			
Manitowoc, Wis.	13,931						1			
Mankato, Minn.	10,365	5								
Marion, Ind.	19,923	5								
Mariboro, Mass.	15,285	2					2		1	
Marquette, Mich.	12,555	2					1		1	1
Marshalltown, Iowa.	14,519				16					
Martinsburg, W. Va.	12,984				3					
Martins Ferry, Ohio.	10,135	8			2					
Mason City, Iowa.	14,938	6					1			
Meadville, Pa.	13,968				22					
Medford, Mass.	26,681	11			20		1			2
Melrose, Mass.	17,724	5	1		7					
Methuen, Mass.	14,320	5	1		6		1		1	
Middletown, N. Y.	15,890						1			
Middletown, Ohio.	16,384	0					2			
Milwaukee, Wis.	445,008	84	26		98		15		15	11
Minneapolis, Minn.	373,448	82	9	1	37	2	13	1	26	12
Mishawaka, Ind.	17,083	3								
Missoula, Mont.	19,075	2			3				1	
Mobile, Ala.	59,201	19					3		1	3
Moneesen, Pa.	23,070		1				1			
Monmouth, Ill.	10,346	2								
Montclair, N. J.	27,087	8			7					
Montgomery, Ala.	44,039	20					2			
Morgantown, W. Va.	14,444	2			3					
Morristown, N. J.	13,410	2								
Moundsville, W. Va.	11,513	4					1			
Mount Carmel, Pa.	20,709		2						1	
Mount Vernon, N. Y.	37,991	9	1		1				2	
Muncie, Ind.	25,653	15			1		3		1	2
Muscataine, Iowa.	17,713	5								
Muskogee, Okla.	47,173				2					
Nanticoke, Pa.	23,811		1		1				3	
Nashua, N. H.	27,541	14			4					
Nashville, Tenn.	118,136	45			13				5	6
Newark, N. J.	418,789	66	14	1	66				31	9
New Bedford, Mass.	121,622	18	3				5		9	3
New Britain, Conn.	55,385	11	3	1	6		4			
Newburgh, N. Y.	29,993	8			20					2
Newburyport, Mass.	15,291	3			4					
New Castle, Pa.	41,915				5					
New Haven, Conn.	152,275	30	3		2		1		8	9
New London, Conn.	21,199		1						1	1
New Orleans, La.	377,010	121	1		8		2		32	18
Newport, R. I.	30,585	2	1		2		2			
Newton, Mass.	44,343	6	1		10					1
New York, N. Y.	5,737,492	1,023	231	7	98	3	53	7	217	117
Niagara Falls, N. Y.	38,466	9	1				2		2	
Norfolk, Va.	91,148		2		6				4	5
Norristown, Pa.	31,969				2		1		4	
North Adams, Mass.	122,019	4			6	1			2	
Northampton, Mass.	20,006	6	3		9				2	
North Braddock, Pa.	15,684		1		1					
North Tonawanda, N. Y.	14,060	0	1				1			

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended July 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.
Norwalk, Conn.	27,332	10	2		1				1	
Norwich, Conn.	21,023	3			1					1
Norwood, Ohio	22,260	5					3			
Oakland, Calif.	206,405	42	3				2		3	
Oak Park, Ill.	27,816	7			5		1			1
Ogdensburg, N. Y.	16,845	5								
Oll City, Pa.	29,163	1	1		1				4	
Oklahoma City, Okla.	97,588	37	1						2	1
Olean, N. Y.	16,927	5								
Omaha, Nebr.	177,777	38	1		3					3
Orange, N. J.	33,636	8	1		7				1	
Oshkosh, Wis.	36,549				1		1			
Paducah, Ky.	25,178				2					
Parkersburg, W. Va.	21,059	4					1			
Parsons, Kans.	15,952								2	
Pasadena, Calif.	49,620	6			6				2	
Passaic, N. J.	74,478	11	4	1	9				3	
Pawtucket, R. I.	60,666	11								
Peekskill, N. Y.	19,034	8								
Pekin, Ill.	10,973				1					
Peoria, Ill.	72,184	11			8		4			2
Perth Amboy, N. J.	42,646	10			8				3	1
Petersburg, Va.	25,817	14			2				2	2
Philadelphia, Pa.	1,735,514	391	29	4	90	3	28		75	41
Phillipsburg, N. J.	15,879	4							2	2
Phoenixville, Pa.	11,871				1					
Pittsburgh, Pa.	586,196		12		81		8		14	
Pittsfield, Mass.	39,678	8			9				1	2
Plainfield, N. J.	24,330	7	3				1			
Plattsburg, N. Y.	13,111	4								
Plymouth, Mass.	14,001	1								
Pontiac, Mich.	18,006	3								
Port Chester, N. Y.	16,727	2			7					
Port Huron, Mich.	118,863	6	1				3			2
Portland, Me.	64,720	27		1	10		2			3
Portland, Oreg.	308,399	62			37		2		6	8
Portsmouth, N. H.	11,730				8				1	
Pottsville, Pa.	22,717		1							
Poughkeepsie, N. Y.	30,786	10			8					
Pueblo, Colo.	56,064	12			6					1
Quincy, Ill.	36,932	9	1							
Quincy, Mass.	39,022	4	1		7		2			
Racine, Wis.	47,465				8		3			
Rahway, N. J.	10,361	2	1							
Raleigh, N. C.	20,274	12			3		1			2
Redlands, Calif.	14,573	1	2							
Reno, Nev.	15,514	3								
Richmond, Ind.	25,080	5								
Richmond, Va.	158,702	40	1		19	1			10	4
Riverside, Calif.	20,496	5								
Roanoke, Va.	46,282	18								1
Rochester, N. Y.	264,714	63	15	1	8		6		9	3
Rockford, Ill.	56,739	14			3					
Rock Island, Ill.	29,452	9			2					1
Rocky Mount, N. C.	12,673	5			1					1
Rome, Ga.	15,607						3			
Rome, N. Y.	24,259		2		6					
Rutland, Vt.	15,038	3			43					
Sacramento, Calif.	68,984	20			1		1		2	3
Saginaw, Mich.	56,469	16	1		2		1			1
St. Joseph, Mo.	86,498	41	1		1		1			2
St. Louis, Mo.	768,630	159	45	3	29		7	1	32	14
St. Paul, Minn.	252,465	37	12	2	10		8		16	2
Salt Lake City, Utah.	121,623	20	3		22				1	4
San Angelo, Tex.	10,321	2								
San Bernardino, Calif.	17,616	8							1	4
San Diego, Calif.	50,412	18			2				5	2
Sandusky, Ohio.	20,226	2								
San Francisco, Calif.	471,023	122	6	1	6		4		22	15
Santa Barbara, Calif.	15,360	5								
Santa Cruz, Calif.	15,150	3	2		4		1		1	
Saratoga Springs, N. Y.	13,839	4	1						2	

1 Population Apr. 15, 1910.

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

City Reports for Week Ended July 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.
Sault Ste. Marie, Mich.	14, 130	6							1	
Savannah, Ga.	69, 250	35	2		3					2
Schenectady, N. Y.	103, 774	15	1		60		2		2	1
Scranton, Pa.	149, 541		2						3	
Seattle, Wash.	366, 445		3		12		8			
Sharon, Pa.	19, 156				5					
Sheboygan, Wis.	28, 907		1		1		1			
Shenandoah, Pa.	29, 753		1							
Sioux Falls, S. Dak.	16, 887	13								4
Somerville, Mass.	88, 618	7	1	1	5		1		17	
South Bend, Ind.	70, 967	12	1		2		1		3	1
Southbridge, Mass.	14, 465	3								
Spartanburg, S. C.	21, 985	4								
Spokane, Wash.	157, 656				7		1			
Springfield, Ill.	62, 623	16			5		1			
Springfield, Mass.	108, 668	38	3		11		3	1	4	2
Springfield, Mo.	41, 169	10								1
Springfield, Ohio.	52, 296	14			8					4
Stamford, Conn.	31, 810								1	
Steelton, Pa.	15, 759		1				1		2	
Stuebenville, Ohio.	28, 259	2								
Stillwater, Minn.	10, 198	0								
Stockton, Calif.	36, 209	13			1	1				
Superior, Wis.	47, 167	9	2				1			1
Syracuse, N. Y.	158, 559	33	7		123	2	5		5	2
Tacoma, Wash.	117, 446		1		9		1			
Taunton, Mass.	36, 610	13	1				2		1	
Terre Haute, Ind.	67, 361	16	4		1					2
Tiffin, Ohio.	12, 962	2							1	
Toledo, Ohio.	202, 010	41	1		6		10		2	5
Topeka, Kans.	49, 533	15			10				1	1
Traverse City, Mich.	14, 090	0			1					
Trenton, N. J.	113, 974	19	1		1				2	1
Troy, N. Y.	78, 094	9			1		1	1	1	
Tucson, Ariz.	17, 324	17								2
Uniontown, Pa.	21, 600				1					
Vallejo, Calif.	13, 808	2	1				3			
Vancouver, Wash.	13, 805		2		2		1			
Waco, Tex.	34, 015	8								1
Walla Walla, Wash.	26, 067						1			
Waltham, Mass.	31, 011	8	1		4				1	1
Washington, D. C.	369, 282	78	2		19		7		18	5
Washington, Pa.	22, 076				5					
Watertown, Mass.	15, 188	2	1		2				1	
Watertown, N. Y.	30, 401	2			1					2
Wausau, Wis.	19, 666	2	2	1			1			
West Chester, Pa.	13, 403				6					
Westfield, Mass.	18, 769									
West Hoboken, N. J.	44, 386	6	1	5					1	
West New York, N. J.	19, 613	1			6					
West Orange, N. J.	13, 964	1			4				1	
Wheeling, W. Va.	43, 657	14			20				1	
White Plains, N. Y.	23, 331	7					1			
Wichita, Kans.	73, 597	27			4					1
Wilkes-Barre, Pa.	78, 334		1		1				3	
Wilkinsburg, Pa.	23, 899		1		1		1		1	
Williamsport, Pa.	34, 123		2		1					
Wilmington, Del.	95, 369	28	1		4		2	3		
Wilmington, N. C.	30, 400	4								
Winchester, Mass.	10, 812	4			1				4	1
Winston-Salem, N. C.	33, 136	15			7					
Winthrop, Mass.	13, 105	2			1		2		2	
Woburn, Mass.	16, 076	6								
Worcester, Mass.	166, 106	42	1		2		5		4	3
Yakima, Wash.	22, 068				4		1			
Yonkers, N. Y.	103, 066	10	6	1	7				3	1
York, Pa.	52, 770		3		1		2			
Youngstown, Ohio.	112, 282	20			6	1			4	1
Zanesville, Ohio.	31, 320	9			2		1			1

¹ Population Apr. 15, 1910.

FOREIGN AND INSULAR.

CANADA.

Typhoid Fever—Bathurst.

An epidemic outbreak of typhoid fever has been reported at Bathurst, New Brunswick, Canada, with about 50 cases notified from June 13 to July 17, 1920. The disease was not reported in sections of the town in which the civic water and sewerage systems were in use.

CHILE.

Typhus Fever—January—February, 1920.

During the month of January, 1920, 939 new cases of typhus, with 203 fatalities, occurring in 12 departments, were notified in Chile. The greatest incidence was reported in the department of Santiago, viz, 447 cases (population stated in 1912 to be 517,600). The total number of cases reported existing in Chile December 31, 1919, was 807. On January 31, 1920, 532 cases were reported present.

During the month of February, 1920, there were notified in Chile 495 cases, with 109 fatalities, occurring in 18 cities. The greatest number of cases was reported in Santiago, viz, 204. The total number of cases remaining February 29, 1920, was 256.

CHINA.

Cerebrospinal Meningitis—Hongkong.

During the period April 4 to May 22, 1920, 41 cases of cerebrospinal meningitis with 10 fatalities were notified at Hongkong. (Population of entire colony stated at 561,500.)

Examination of Rats—Plague Rat—Hongkong.¹

During the 14-week period ended June 5, 1920, out of 31,053 rats taken at Hongkong, one rat was found infected. The finding of the infected rat was reported during the week ended June 5, 1920.

CUBA.

Quarantine Against Galveston, Tex.

Quarantine against arrivals at Cuban ports from Galveston, Tex., was established June 19, 1920.

¹ Public Health Reports, Apr. 24, 1920, p. 1032.

FINLAND.**Influenza—March 1—May 31, 1920.**

Influenza was stated to be epidemic in Finland March 1, 1920. From that date to May 31, 1920, 18,587 cases were notified. The greatest incidence was reported in March, with 13,633 cases. The lowest number of cases was reported during the period May 16–31, viz, 657 cases. The population of Finland was stated to be 3,331,814.

INDIA.**Anthrax—Madras Presidency.**

The Civil Veterinary Department, Madras, India, reports the occurrence during the month of April, 1920, of 228 fatal cases of animal anthrax in the Madras Presidency.

NEW ZEALAND.**Influenza—Dunedin.**

During the three weeks ended June 14, 1920, 294 cases of influenza were notified at Dunedin, New Zealand. (Population, census of October, 1916, 68,716.)¹

Measures Against Importation of Anthrax.

According to information dated June 2, 1920, the New Zealand Government has promulgated an order prohibiting the importation of toilet brushes or toilet articles containing, or made from, the hair of animals, if manufactured in eastern or southeastern Asia, India, Ceylon, Japan, East India Islands, and the Philippine Islands, or if manufactured in other countries and deemed, in the opinion of the collector of customs, likely to convey anthrax; also animal wool, hair, including "drafts" or "drawn" hair and bristles if grown in any of the countries named. Consignments of shaving brushes recently shipped from Japan have been found to be infected with anthrax. Importers have been directed to have all such articles fumigated before being offered for sale.

UNION OF SOUTH AFRICA.**Anthrax.**

During the week ended May 21, 1920, the Department of Agriculture of the Union reported outbreaks of animal anthrax in 29 districts of the Union of South Africa, and during the week ended May 28, 1920, outbreaks in 37 districts. Most of the infected districts are stated to be in the Transvaal, Orange Free State, and the eastern portion of the Cape Province.

¹ Public Health Reports, July 16, 1920, p. 1743.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended July 30, 1920.¹****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				Apr. 25-May 8, 1920: Deaths, 2,648.
Calcutta.....	May 23-29.....	67	64	
Rangoon.....	May 24-29.....	1	1	
Java:				Apr. 9-15, 1920: Cases, 1.
West Java.....		1		
Batavia.....	Apr. 9-15.....			
Philippine Islands:				May 30-June 5, 1920: One case, 1 death.
Provinces.....				
Cagayan.....	May 30-June 5....	1	1	

PLAGUE.

Ceylon:				
Colombo.....	May 25-June 5....	5		
China:				
Hongkong.....	Apr. 4-May 29....	46	37	
Greece:				Present.
Cavalla.....	July 22.....			
Dante.....	do.....	2		
India:				May 16-29, 1920: Cases, 1,731; deaths, 1,330.
Bombay.....	May 24-29.....	3	4	
Calcutta.....	May 23-29.....	1	1	
Karachi.....	May 31-June 12...	12	12	
Rangoon.....	May 24-29.....	11	10	
Java:				May 13-19, 1920: Cases, 2; deaths, 3.
East Java.....				
Surabaya district.....	May 13-19.....	2	3	
Mexico:				Total June 25-July 17, 1920: Cases, 3; deaths, 2.
Tampico.....	July 17.....	1	1	
Vera Cruz.....	July 18-24.....	2		
Peru:				
Trujillo.....	June 1-13.....	2	2	

SMALLPOX.

Bolivia:				
La Paz.....	May 2-31.....	6	8	
Canada:				
British Columbia—				
Vancouver.....	May 16-22.....	1		
Nova Scotia—				
Halifax.....	July 4-10.....	2		
Kingston.....	May 31-June 5....	1		
Ontario—				
North Bay.....	July 11-17.....	2		
Ottawa.....	do.....	11		
Prescott.....	do.....	1		
Toronto.....	July 7-13.....	4		
Quebec—				
Montreal.....	July 4-10.....	1		
Ceylon:				
Colombo.....	May 31-June 5....	1		
China:				Present.
Amoy.....	May 21-23.....		1	
Antung.....	June 7-13.....	1	1	
Chungking.....	May 21-June 5....			
Hongkong.....	Apr. 4-May 22....	10	8	
Tientsin.....	May 25-31.....	2		Reported by a mission hospital.
Chosen:				
Chemulpo.....	May 1-31.....	19	12	
Fusan.....	do.....	6		
Seoul.....	do.....	87	23	
Egypt:				
Alexandria.....	June 4-17.....	17	7	
France:				
Cette.....	June 21-30.....		1	

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

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

Reports Received During Week Ended July 30, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain:				
London.....	June 13-19.....	5		
India.....				Apr. 25-May 8, 1920: Deaths, 2,745.
Bombay.....	May 24-29.....	17	7	
Calcutta.....	.....do.....	14	14	
Karachi.....	June 4-12.....	1	1	
Rangoon.....	May 24-29.....	7	3	
Italy:				
Genoa.....	June 14-20.....	14		Province.
Messina.....	.....do.....	1		Province, June 6-20, 1920: Cases, 22; deaths, 7.
Milan.....	Apr. 1-30.....	5		
Naples.....	June 14-20.....	1	1	
Palermo.....	June 17-23.....	1		
Java:				
West Java.....	Apr. 9-15.....	31	11	
Batavia.....	.....do.....	1	1	
Madeira:				
Funchal.....	June 20-26.....		2	
Malta.....	May 1-June 15.....	2		
Mexico:				
San Luis Potosi.....	July 5-11.....		2	
Newfoundland:				
Shoal Harbor.....	July 10-16.....	7		July 3-9, present at three places; July 10-16, present at Hodges Cove.
Portugal:				
Lisbon.....	June 13-28.....		3	
Spain:				
Valencia.....	June 20-26.....	5	2	
Vigo.....	June 13-26.....		3	
Tunis:				
Tunis.....	June 21-27.....	1	1	
Turkey:				
Constantinople.....	May 1-June 12.....	5		
Union of South Africa:				
Johannesburg.....	Mar. 1-Apr. 30.....	15		

TYPHUS FEVER.

Bolivia:				
La Paz.....	May 2-31.....		5	
Brazil:				
Ceara.....	Apr. 25-May 1.....		2	
Chile:				
Concepcion.....	June 6-12.....		3	
Valparaiso.....	.....do.....		4	
Egypt:				
Alexandria.....	June 4-17.....	84	17	
Greece:				
Saloniki.....	June 1-6.....	25	1	
Italy:				
Catania.....	July 10-17.....	3		
Japan:				
Nagasaki.....	June 14-20.....	2		
Mexico:				
San Luis Potosi.....	June 28-July 4.....		1	
Tunis:				
Tunis.....	May 17-June 27.....		12	

YELLOW FEVER.

Mexico:				
Vera Cruz.....	July 1-24.....	3		

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

Reports Received from June 26 to July 23, 1920.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Chungking.....	May 16-22.....		551	
India:				Apr. 11-24, 1920: Deaths, 2,964.
Calcutta.....	May 2-22.....	197	191	
Rangoon.....	do.....	8	6	
Indo-China:				
Saigon.....	Apr. 26-May 16.....	56	41	Report for May 9 not received.
Japan:				Present.
Kobe.....	June 8.....			Do.
Osaka.....	do.....			
Netherlands:				
West Java.....				Apr. 29-May 13, 1920: Cases, 5; deaths, 2.
Batavia.....	Apr. 29-May 13.....	5	2	
Siam:				
Bangkok.....	Apr. 25-May 8.....	303	165	
Philippine Islands:				
Manila.....	May 9-15.....	1	1	
Provinces.....				May 9-29, 1920: Cases, 10; deaths, 8.
Albay.....	May 9-15.....	2	1	
Cagayan.....	May 9-29.....	8	7	
Turkey:				
Amassia.....	Dec. 24.....	1		Asiatic Turkey.
Kaiseri.....	Dec. 22.....	1		Do.
Karassi.....	Jan. 3.....	1		Do.
Mamuret-ul-Aziz.....	Dec. 31.....	1	1	Do.
Panderma.....	Dec.-Jan.....	16	6	
Rodosto.....	Dec. 29.....	1		European Turkey.
Smyrna.....	Dec. 22.....	3	2	Asiatic Turkey.

PLAGUE.

Brazil:				
Bahia.....	Apr. 25-May 22.....	8	2	
Ceylon:				
Colombo.....	May 2-8.....	1	1	
Chile:				
Antofagasta.....	May 17-June 20.....	5		
Egypt:				Jan. 1-June 30, 1920: Cases, 303; deaths, 174.
Cities—				3 cases, pneumonic.
Suez.....	May 13-June 8.....	12	6	
Provinces—				
Assiout.....	May 15-June 5.....	7	4	
Fayoum.....	June 5.....	1		
Garbieh.....	do.....	1		
Keneh.....	May 18.....	1		
Mariut.....	May 18-June 8.....	19	22	
Minieh.....	May 15.....	2	1	Septicemic.
Great Britain:				
Liverpool.....	June 26.....	1		
Greece:				
Piræus.....	June 29-July 9.....	4		
India:				Apr. 18-May 22, 1920: Cases, 6,829; deaths, 7,058.
Bombay.....	Apr. 18-May 22.....	66	56	
Calcutta.....	May 2-22.....	20	14	Report for May 8 not received.
Karachi.....	May 9-29.....	40	35	
Madras Presidency.....	do.....	115	87	
Rangoon.....	Apr. 25-May 22.....	60	55	
Indo-China:				
Saigon.....	May 10-16.....	1	1	
Italy:				Present.
Catania.....	June 24.....			
Do.....	July 3.....	2		
Java:				
East Java.....				Apr. 15-21, 1920: Cases, 4; deaths, 3. Surabaya Residency.
Mexico:				
Tampico.....	June 25.....	1		
Vera Cruz.....	June 14-20.....	11	1	May 29-July 11, 1920: Cases, 47; deaths, 29.

¹ From medical officers of the Public Health Service, American consuls, and other sources. For reports received from Dec. 27, 1919, to June 25, 1920, see Public Health Reports for June 25, 1920. The tables of epidemic diseases are terminated semiannually and new tables begun.

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

Reports Received from June 26 to July 23, 1920—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru:				
Callao.....	Mar. 1-31.....	6	3	Mar. 1-31, 1920: Cases, 46; deaths, 29. Apr. 1-30, 1920: Cases, 36; deaths, 13. In coastal departments.
Do.....	Apr. 1-30.....	9	4	
Lima (city).....	Mar. 1-31.....	5	3	
Do.....	Apr. 1-30.....	4	4	
Lima (country).....	Mar. 1-31.....	1	1	
Do.....	Apr. 1-30.....	1	1	
Mollendo.....	Mar. 1-31.....	13	9	
Paíta.....	do.....	5	2	
Do.....	Apr. 1-30.....	2	2	
Salaverry.....	Mar. 1-31.....	4	3	
Do.....	Apr. 1-30.....	1	1	
San Pedro.....	do.....	6	1	
Trujillo.....	Mar. 1-31.....	5	2	
Do.....	Apr. 1-30.....	5	1	
Siam:				
Bangkok.....	Apr. 25-May 1.....	3	3	
Straits Settlements:				
Singapore.....	Apr. 25-May 22.....	9	8	
Syria:				
Beirut.....	June 30.....			Present.

SMALLPOX.

Algeria:				
Departments—				
Algiers.....	May 11-June 20.....	24		City of Algiers, Apr. 1-30 1920 One case.
Constantine.....	June 1-20.....	6		
Oran.....	May 11-June 20.....	60		
Brazil:				
Bahia.....	Apr. 25-May 22.....	3	3	
Pernambuco.....	Mar. 29-May 2.....	57		
Rio de Janeiro.....	Apr. 11-22.....	10	2	
Santos.....	Mar. 24-28.....	1		
Canada:				
Alberta—				
Calgary.....	June 3-9.....	1		
Manitoba—				
Winnipeg.....	May 29-June 5.....	3		
New Brunswick—				
Gloucester.....	May 31-June 26.....	5		
Nova Scotia—				
Sydney.....	do.....	2		
Ontario—				
Cornwall.....	June 25-30.....	2		
Hamilton.....	June 13-19.....	2		
Kingston.....	June 6-19.....	3		
North Bay.....	June 23-29.....	1		
Ottawa.....	June 6-26.....	32		
Do.....	July 4-10.....	7		
Peterborough.....	Apr. 18-June 19.....	26		
Toronto.....	June 6-19.....	13		
Do.....	June 26-July 2.....	1		
Quebec—				
Montreal.....	June 13-19.....	1		
Quebec.....	June 27-July 3.....	1		
Saskatchewan—				
Moosejaw.....	June 26-30.....	1		
Regina.....	do.....	1		
Ceylon:				
Colombo.....	May 9-15.....	1		
Chile:				
Antofagasta.....	May 17-23.....			One case in interior.
China:				
Amoy.....	May 2-22.....		8	Present. Do. Do.
Antung.....	May 9-30.....	2	2	
Chungking.....	May 2-22.....			
Foochow.....	May 9-29.....			
Nanking.....	May 9-June 5.....			
Tsinanfu.....	May 9-15.....	1		
Chosen:				
Chemulpo.....	Mar. 1-31.....	22	10	
Do.....	Apr. 1-30.....	18	11	

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

Reports Received from June 26 to July 23, 1920—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Chosen—Continued.				
Fusan.....	Mar. 1-31.....	7	2	
Do.....	Apr. 1-30.....	6	3	
Seoul.....	Mar. 1-31.....	120	45	
Do.....	Apr. 1-30.....	109	18	
Colombia:				
Barranquilla.....	May 16-June 12.....			Present.
Santa Marta.....	May 31-June 26.....			Do.
Cuba:				
Habana.....	July 4.....	1		From steamship Frank Hennis from Jamaica. Arrived Santiago June 30, 1920.
Czechoslovakia:				
Moravia.....	Feb. 1-28.....	68		
Egypt:				
Alexandria.....	May 14-June 3.....	30	10	
Cairo.....	Apr. 2-8.....	4	2	
Port Said.....	do.....	6	1	
France:				
Brest.....	May 15-21.....	1		
Germany				Feb. 22-Mar. 27, 1920: Cases, 373.
Great Britain:				
Glasgow.....	May 25-June 26.....	136	22	
Greece:				
Saloniki.....	Apr. 12-May 30.....	12		May 10-23: Deaths, 4.
India.....				Apr. 11-24, 1920: Deaths, 2,775.
Bombay.....	Apr. 26-May 22.....	32	12	May 9-15, 1920: Cases, 26; deaths, 11.
Calcutta.....	May 2-15.....	82	74	
Karachi.....	May 9-29.....	13	10	
Madras.....	do.....	18	10	
Rangoon.....	Apr. 25-May 8.....	13	4	
Indo-China:				
Saigon.....	May 10-16.....	7	2	
Italy:				
Genoa.....	May 17-23.....	12		In Province.
Messina.....	May 9-June 6.....	58	6	Province, May 17-June 6: Cases, 65; deaths, 9.
Milan.....	Mar. 1-31.....	24	5	
Naples.....	May 23-June 12.....	6	2	
Palermo.....	May 11-June 18.....	8		
Japan:				
Kobe.....	May 9-June 6.....	7	2	
Taiwan Island.....	May 1-20.....	10	5	
Tokyo.....	Apr. 21-May 10.....	5	4	
Java:				
West Java.....				Apr. 16-May 5, 1920: Cases, 53; deaths, 10.
Batavia.....	Apr. 16-May 5.....	5	1	
Manchuria:				
Mukden.....	May 2-8.....			Present.
Mexico:				
Guadalajara.....	May 1-31.....	1		
Mazatlan.....	May 19-25.....		1	
San Luis Potosi.....	May 31-June 6.....		1	
Newfoundland:				
St. Johns.....	June 5-11.....	3		Reported at two other localities.
Portugal:				
Lisbon.....	May 16-June 12.....		5	
Russia:				
Vladivostok.....	Jan. 1-Apr. 30.....	248	77	
Spain:				
Barcelona.....	May 19-June 12.....		4	
Valencia.....	May 23-June 12.....	10	1	
Vigo.....	May 31-June 6.....		1	
Switzerland:				
Geneva.....	May 9-15.....	7		
Tunis:				
Tunis.....	May 25-June 13.....	9	5	
Turkey:				
Constantinople.....	May 16-22.....	1		

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

Reports Received from June 26 to July 23, 1920—Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Departments—				
Algiers.....	May 11-June 20.....	26		
Constantine.....	May 21-June 20.....	6		
Oran.....	May 11-June 11.....	162		
Austria:				
Vienna.....	Feb. 15-Mar. 15.....	20		Feb. 15-Mar. 15, 1920; Cases, 6.
Chile:				
Caleta Coloso.....	May 10-16.....		2	
Valparaiso.....	May 2-June 5.....		17	
Chosen:				
Seoul.....	Mar. 1-Apr. 30.....	4	1	
Czechoslovakia:				
Leipnik.....	Feb. 22-28.....	1		Quarantine Station.
Egypt:				
Alexandria.....	Apr. 14-June 3.....	132	45	
Cairo.....	May 2-8.....	123	44	
Port Said.....	do.....		1	
Germany:				
				Feb. 22-Mar. 27, 1920; Cases, 23. Among troops, 4; among persons from Poland, 8.
Great Britain:				
Dublin.....	May 23-June 19.....	3	1	
Glasgow.....	May 30-June 5.....		1	
Greece:				
Saloniki.....	Apr. 12-18.....	126	7	
Hungary:				
Budapest.....	Jan. 19-Feb. 29.....	7		Jan. 19-Feb. 29, 1920; Cases, 14
Italy:				
Trieste.....	May 16-22.....	5		
Japan:				
Nagasaki.....	May 25-30.....	1		
Mexico:				
Chihuahua.....	May 31-June 6.....		1	
San Luis Potosi.....	June 8-14.....			Present.
Portugal:				
Oporto.....	Apr. 4-June 12.....	11	4	
Russia:				
Vladivostok.....				Jan. 1-Apr. 30, 1920; Cases, 1,264; deaths, 144.
Tunis:				
Tunis.....	May 24-June 20.....	36	6	
Turkey:				
Constantinople.....	May 16-June 12.....	27		

YELLOW FEVER.

Brazil:				
Bahia.....	Apr. 25-May 22.....	3		
Colombia:				
Buenaventura.....	June 3.....	1	1	
Mexico:				
Vera Cruz.....	June 22.....		2	
Peru:				
Callao.....	Apr. 1-30.....	1		Mar. 1-31, 1920; Cases, 128. Apr. 1-30, 1920; Cases, 64. At quarantine station. From s. s. Huallaga.
Catacaos.....	Mar. 1-31.....	14		
Do.....	Apr. 1-30.....	2		
La Huisca.....	Mar. 1-31.....	9		
Morropon.....	Apr. 1-30.....	37		
Munuelia.....	Mar. 1-31.....	12		
Do.....	Apr. 1-30.....	5		
Paita.....	Mar. 1-31.....	8		
Do.....	Apr. 1-30.....	14		
Piura.....	Mar. 1-31.....	1		
Do.....	Apr. 1-30.....	4		
Salitral.....	Mar. 1-31.....	2		
Sullana.....	do.....	9		
Do.....	Apr. 1-30.....	1		
Salvador:				
Armenia.....	June 20-26.....	1	1	
Sonsonate.....	May 22-June 21.....	49	17	