

PUBLIC HEALTH REPORTS

VOL. 34

AUGUST 29, 1919

No. 35

THE ULTIMATE SEASONAL INFECTION OF MALARIAL FEVER, WITH THE MOSQUITO CARRIER AS THE INDICATOR.

By BRUCE MAYNE, Biologist, United States Public Health Service.

It has been considered practicable to develop a sanitary indicator for malaria prophylaxis in the determination of the initial and terminal infection found existing among mosquitoes collected in districts where malarial fever thrives. The mosquito as an indicator was first suggested in a paper in which the following point was advanced: "It seems quite feasible to establish for any endemic focus what may be termed the malarial indicator. This is the determination of the time of the year when mosquitoes first acquire malarial infection. Thus, a fairly stable indicator may be obtained of the time when there is danger of the communicability of malaria from man to man. It might be entirely feasible to utilize the mosquito indicator to determine when active means of prophylaxis should be inaugurated in any locality, and, if necessary, likewise to determine at the end of the season when prophylaxis may be safely dispensed with."¹

The present paper is an attempt to contribute some information pertaining to ultimate infection. The question of the date of the last occurrence of mosquito infectivity for the season must be considered purely from a local standpoint. Biologically regarded, the determination is applicable only to a district presenting conditions identical in meteorology and physiography to those of the district investigated. The matter is entirely concerned with mosquito and protozoan seasonal inactivity, coupled with malaria latency in the human host. This, of course, involves the temperature at the time when conditions are favorable for the onset of hibernation.

It is at once apparent that in addition to the collecting and examining of large numbers of mosquitoes in a malaria focus, it is just as essential to correlate data secured from blood examinations. In two districts investigated, careful history indexes were made in order to rule out any complication of fresh infection. Clinical cases of malaria were carefully reviewed, and in the majority of instances it could

¹ *Anopheles as a Winter Carrier of Plasmodium.* By M. Bruin Mitzmain (Bruce Mayne). Reprint No. 290 from Public Health Reports, vol. 30, No. 29, July 16, 1915.

be fairly concluded that relapses were the rule. This conclusion was reached by analyzing the therapeutic measures taken in the individual case, and, in the presence of gametocytes in the blood at the time of a fresh paroxysm, verified by the history of previous infection.

At the first place studied, Talladega Springs, Ala., 200 persons were examined during September, 1916, giving a malaria index of 18.6 per cent. Beginning September 17, anophelines were captured in habitations which were known to harbor cases of malarial fever. A total of 1,377 specimens of *Anopheles quadrimaculatus* and *A. punctipennis* were collected, and of these, 709 specimens were found suitable for dissection and examination.

Infected mosquitoes appeared on September 21, September 29, and finally, November 15. The last specimen, *A. quadrimaculatus*, was collected on November 1 from a plantation house where at least two persons proved to be gametocyte carriers. The mosquito was one of a lot which were held at room temperature for an additional two weeks to permit of maximum development of any parasites present. The only evidence of infection observable in this specimen was the appearance on the stomach wall of a single half-grown oocyst. In character, of stunted development (size 35-40 m.), the parasite showed no promise of development beyond the presporoblastic stage, giving evidence that the host had been exposed to temperature too low to permit of growth to maturity.

In the following table are given the weather conditions in temperature records (Fahrenheit) at weekly intervals, covering the time of the investigation at Talladega Springs, Ala., from September 1 to November 30, 1916:

Month.	First week.		Second week.		Third week.		Fourth week.		Fifth week.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
September.....	94	65	93	56	85	50	90	54	73	46
Mean.....	92	67	87	66	80	56	87	60	72	50
October.....	85	48	87	45	87	35	77	29	78	48
Mean.....	81	45	73	52	74	54	72	38	75	52
November.....	78	39	78	40	64	20	64	23	60	44
Mean.....	75	42	72	47	56	28	58	38	54	52

Monthly rainfall, in inches: September, 5.12; October, 0.88; November, 3.58.

In an investigation at Lenwil, La., during August to December, 1917, a preliminary survey among 250 lumber-mill villagers revealed a history index of 83 per cent, and a parasite index of 22 per cent. Here infected mosquitoes were captured beginning August 27 and ending November 1. A total of 746 anopheline mosquitoes of 3 species were dissected, of which 18 proved to be infected, as follows: Seventeen specimens of *Anopheles quadrimaculatus*, and one specimen of *A. crucians*. The last infected mosquitoes were captured on October 20 and November 1, the two specimens being *A. quadri-*

maculatus. In the one captured on October 20 the salivary glands revealed a moderate number of viable sporozoites in four salivary lobes, while the gut wall had a normal appearance. In the other specimen the stomach showed only a single oocyst, with no other evidence of parasitism. The oocyst appeared nonviable, with no evidence of sporoblast formation, and it probably would not have survived to maturity or infectibility. It appeared similar to forms seen in experimental infections wherein mosquitoes are exposed to low temperature for two weeks or longer.

In this section of Louisiana frost was first observed October 9 and again October 22. Between these dates infected mosquitoes were found as follows: Two on October 11, one October 13, and finally one on October 20. It must be noted that the biological conditions generally considered normal for parasitism continued in this region until the last week in November. Biological relations were not interrupted by seasonal modifications, for biting by anopheline mosquitoes was experienced and reported up to November 9; male mosquitoes still abounded, and evidences of true hibernation were not manifest until November 23.

Temperature records (Fahrenheit) of this district for the months of August to November, 1917, the period of the investigation, are given in the following table:

Month.	First week.		Second week.		Third week.		Fourth week.		Fifth week.		Mean.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
August.....	97	70	100	66	100	71	98	62	90	64	92	70
September.....	93	70	96	52	88	55	91	56	87	54	86	63
October.....	94	47	84	37	90	32	85	32	74	29	76	44
November.....	78	35	79	37	78	31	73	26	68	50	67	38

Monthly rainfall, in inches: August, 5.4; September, 3.39; October, 2.1; November, 1.52.

Discussion and Summary.

Protection against malarial fever through prophylactic means, afforded by a knowledge of the presence of infective organisms in the mosquito, is a measure placed at the disposal of the sanitarian. This is offered through biological research, using the insect host as an indicator.

There is a date (differing for place and year) up to which time mosquitoes are infective and beyond which time they are not. After this date malaria is not contracted by man. In Lenwil, La., this date should have been between October 20 and November 1 for the year 1917. On October 20 of that year an *Anopheles* was found with active viable sporozoites in her salivary glands, hence was presumably infective to man. After this date none with viable parasites was found, and the one dissected November 1 showed only a single half-ripe oocyst, arrested in development prior to the formation of sporozoites.

Until more complete data is obtained, it is assumed justifiable to give November 1 as the date of terminal infection in mosquitoes collected in northern Louisiana, at least for the year 1917.

This date is given with the necessary reservation and condition that it does not apply elsewhere at similar latitudes nor in the same localities for the following years. For absolute accuracy, in a biological sense at least, this determination must be repeated in the same locality and in different localities in the malarial zone from year to year.

In this connection it is interesting to note that in two regions of nearly the same latitude (about 33° north), but in different States, conditions practically identical were observed relative to the appearance and disappearance of anopheline infection. However, no great significance can be attached to this coincidence; and until many more malarial zones are given similar study, the faunal conditions bearing on malaria epidemiology, however interdependent, will have to be considered individually.

A knowledge of terminal infection with the mosquito as an indicator has considerable sanitary value, and it can be applied in a practical way by using it as a guide in deciding on the discontinuance of sanitary protection at a time when the mosquito no longer plays a pathological rôle. It furnishes the basis for the determination, in a selected zone, of a time when it is safe to curtail sanitary-control measures. Thus, needless expenditure of public funds may be averted in cases where such funds are limited to malaria control—where it is not the purpose to eradicate the mosquito merely as a pest. Applied practically, this indicator would operate in this manner: Assuming that November 1 was the date determined as that of ultimate mosquito infectibility, and it was desired to recommend the safe time at which to discontinue oiling or other larvicidal measures, allow 18 days for complete transformation from the larval stage, and 12 days for the adult mosquito to become infective,¹ a total of 30 days to be counted back from the date of ultimate infectibility. The date to be named for the safe discontinuance of operations against the mosquito as an infecting agency would then be October 1.

Concerning the question of personal quinine prophylaxis as influenced by a possible indicator of terminal infection, the writer is not prepared to make specific recommendations. The solution of this problem would be of considerable importance in highly malarious districts, especially in swampy areas, where screening and prophylactic dosage with quinine are solely depended on for malaria protection.

¹ This is less time than would be required with the temperature near the point of preventing the development of the parasite in the mosquito.

THE FACTOR OF TECHNIQUE IN THE DETECTION OF THE INFLUENZA BACILLUS.

One of the puzzling features in connection with the bacteriological investigations of outbreaks of epidemic influenza has been the varying frequency with which Pfeiffer's bacillus has been detected in different communities. There has been a suspicion that variations in technique may have accounted in large part for the varying results, and that this is an important element is shown by the following circumstances:

During March, 1919, an outbreak of influenza occurred in a western State. In this epidemic a very skillful bacteriologist failed to detect the influenza bacillus in appreciable numbers of cases, though he used approved methods which had given him positive results earlier in the pandemic.

In order to determine how far the chosen method was responsible for the failure to detect the organism, the Public Health Service detailed two bacteriologists, who had been able to isolate the influenza bacillus from almost every case in an outbreak that occurred in an eastern community, to attempt the detection of the organism in the locality where others had failed. These workers succeeded in cultivating the organisms from about 80 per cent of the cases of influenza studied. The cultures were made in four different blood media from swabs rubbed over the nasopharynx, while cultures made from the sputum of the same cases at the same time by the bacteriologist in charge still failed to show the influenza bacillus in a large majority of the cases.

This experience clearly indicates that the factors of individual technique and of experience in the isolation of this particular organism may make a very great difference in the results obtained with any given group of cases.

This evidence is not presented as having any particular significance with respect to the possible etiological relation of Pfeiffer's influenza bacillus to epidemic influenza, a question which is still undecided.

A DEPARTMENT OF HEALTH FOR CANADA.

For some years there has been an active movement in Canada for the establishment of a department of health. This movement has recently culminated in the introduction into the House of Commons and the final passage of a bill creating a Federal department of health for the Dominion.

The act aims at placing health as a foundation of government, thereby assuring to the people that the vital problems of health which concern a nation and upon which depend its very existence, con-

tinuity, and efficiency are those which will hereafter receive serious and constant attention. It provides for the establishment of a department of health, for a minister of health, a deputy minister, and an advisory council. The duties and powers of the minister extend to and include all matters and questions relating to the promotion or preservation of the health of the people of Canada over which the parliament of Canada has jurisdiction.

The following is the full text of the act creating the department of health as assented to June 6, 1919:

WHEREAS it is expedient for the preservation of the health and the promotion of the social welfare of the people of Canada, that a Department of Health be established in the Dominion: Therefore His Majesty, by and with the advice and consent of the Senate and House of Commons of Canada, enacts as follows:

1. This Act may be cited as *The Department of Health Act*.

2. *Department*.—There shall be a Department of the Government of Canada which shall be called "The Department of Health," over which a Minister of the Crown to be named by the Governor in Council shall preside.

3. *Deputy Minister*.—(1) The Governor in Council may appoint an officer, who shall be called "the Deputy Minister of Health," who shall be the deputy head of the Department and who shall hold office during pleasure.

Staff.—(2) Such other officers, clerks and employees as are necessary for the proper conduct of the business of the Department may be appointed in accordance with the provisions of *The Civil Service Act, 1918*, and of any Acts in amendment thereof, all of whom shall hold office during pleasure.

Transfer of officers to Department of Health—Age limit.—(3) The Governor in Council may, subject to the provisions of *The Civil Service Act, 1918*, or any amendment thereto, transfer to the Department of Health any officer, clerk or employee now in the employ of His Majesty of either or both Houses of Parliament, and subsection two of section seventeen of the said Act shall not apply to such transfers, and the money voted by Parliament for the financial year ending the thirty-first day of March, one thousand nine hundred and twenty, applicable to the payment of the salary or the increase of salary of any such officer, clerk or employee so transferred shall be available for the payment of his salary or increase of salary or the salary of any person appointed in his place in case of his death, retirement or dismissal while serving in the Department of Health, in the same manner and to the same extent as if such officer, clerk or employee had not been so transferred.

4. Duties and powers of Minister.—The duties and powers of the Minister administering the Department of Health shall extend to and include all matters and questions relating to the promotion or preservation of the health of the people of Canada over which the Parliament of Canada has jurisdiction; and, without restricting the generality of the foregoing, particularly the following matters and subjects:

(a) Co-operation with the provincial, territorial, and other health authorities with a view to the co-ordination of the efforts proposed or made for preserving and improving the public health, the conservation of child life and the promotion of child welfare;

(b) The establishment and maintenance of a national laboratory for public health and research work;

(c) The inspection and medical care of immigrants and seamen, and the administration of Marine Hospitals;

(d) The supervision, as regards the public health, of railways, boats, ships and all methods of transportation;

(e) The supervision of Federal public buildings and offices with a view to conserving and promoting the health of the Civil Servants and other Government employees therein;

(f) The enforcement of any rules or regulations made by the International Joint Commission, promulgated pursuant to the treaty between the United States of America and His Majesty relating to boundary waters and questions arising between the United States of America and Canada, so far as the same relate to public health;

(g) The administration of the statutes mentioned in the Schedule to this Act, and of Acts amending the same, and also of all orders and regulations passed or made under any of the said Acts; and all the duties and powers of any Minister of the Crown under either of the said Acts or any of the said orders or regulations, are hereby transferred to and conferred upon the Minister of Health;

(h) Subject to the provisions of *The Statistics Act*, the collection, publication and distribution of information relating to the public health, improved sanitation and the social and industrial conditions affecting the health and lives of the people;

(i) Such other matters relating to health as may be referred to the Department by the Governor in Council.

5. Regulations.—The Governor in Council shall have power to make such regulations as may be necessary to give effect to and carry out the objects of this Act, and to impose penalties for any violation of such regulations.

6. Dominion Council of Health.—There shall be a Dominion Council of Health consisting of the Deputy Minister of Health, who shall be chairman, the chief executive officer of the Provincial

Department or Board of Health of each Province, and such other persons, not to exceed five in number, as may be appointed by the Governor in Council, who shall hold office for three years. The Dominion Council shall meet at such times and places as the Minister may direct, and shall be charged with such duties and powers in respect to this Act as the Governor in Council may prescribe.

7. *Provincial or municipal boards not affected.*—Nothing in this Act or in any regulation made thereunder shall authorize the Minister or any officer of the Department to exercise any jurisdiction or control over any Provincial or Municipal Board of Health or other health authority operating under the laws of any province.

8. *Annual report.*—The Minister shall annually lay before Parliament, within fifteen days after the meeting thereof, a report and statement of the transactions and affairs of the Department during the year then next preceding. [Assented to June 6, 1919.]

IMPAIRMENT OF HEALTH OF COAL MINER.

IOWA SUPREME COURT DECIDES THAT DAMAGES MAY BE RECOVERED WHERE EMPLOYER WAS NEGLIGENT.

It has been decided by the Supreme Court of Iowa¹ that a coal miner whose health has been impaired may recover damages for such impairment when it is due to the failure of the employer to properly ventilate the mine as required by law.

It was the employer's duty under the law to so ventilate the mine as to "render harmless and expel all noxious and poisonous gases." The employee was made ill by breathing the impure air in the mine and brought an action to recover damages. The employer claimed that no recovery could be had because the law permitted recovery only for personal injuries such as wounds and bruises as distinguished from mere loss of health or sickness. The court did not interpret the law this way, but held that impairment of health was just as actionable as injury resulting in wounds and bruises.

The court said:

The material questions under the issues and admitted facts in this case are, Was the defendant negligent with respect to the ventilation of the mine where plaintiff was employed? If defendant was thus negligent, did the plaintiff thereby sustain the injury of which he complains? If these two facts be established, defendant's liability to respond in damages is not open to question. * * * It may also be added, in view of the argument of counsel, that if defendant did fail in its duty in this respect, and plaintiff was thereby physically overcome or disabled to a degree causing him to suffer injury or loss, defendant's liability is neither avoided nor les-

¹ Gay v. Hocking Coal Co. (109 N. W., 360).

caused by reason of the fact that plaintiff sustained no wound or bruise or other hurt of a traumatic character or origin. A wrongful injury which operates to destroy or undermine or impair the health of another is no less actionable than is a wrong from which the injured person sustains wounds or bruises or broken bones.

LOCATION OF TUBERCULOSIS HOSPITAL.

LOUISIANA SUPREME COURT DECIDES THAT ESTABLISHMENT OF TUBERCULOSIS HOSPITAL IN CITY IS NOT A MENACE TO HEALTH.

In a suit to enjoin the city of New Orleans from establishing and maintaining a tuberculosis hospital in the city,¹ one of the objections of the plaintiffs, who lived in the vicinity of the proposed site, was that the hospital would endanger their health. The Supreme Court of Louisiana did not take this view. The court said:

* * * If it were proved with certainty that this hospital would endanger the health of this plaintiff or his family, perhaps a case might be presented for judicial interference. But the very opposite is conclusively shown by the evidence, which is all one way to the effect that a well-kept tuberculosis hospital is not a menace to the health of the people living in its vicinity; and the presumption is that this hospital will be well kept. * * *

Our conclusion is that the suit is groundless in so far as it is sought to be founded on the apprehended injurious character of the proposed hospital. * * *

A CORRECTION—INFLUENZA IN NEW YORK CITY.

A numerical error crept into one of the tables of the Public Health Reports for August 15, 1919. In Table II, page 1827, the annual death rate per 100,000 from influenza and pneumonia in New York City for 1918 should read: September, 136.2, and October, 3,516.0,

¹ Le Bourgeois et al. v. City of New Orleans (82 South., 268).

DEATHS DURING WEEK ENDED AUG. 16, 1919, IN CITIES.

From the "Weekly Health Index," Aug. 19, 1919, 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 Aug. 16, 1919, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceding years.

City.	Population July 1, 1918, estimated.	Week ended Aug. 16, 1919.		Average annual death rate per 1,000. ¹	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. ¹		Week ended Aug. 16, 1919.	Previous year or years. ²
Albany, N. Y.	112,565	21	9.7	C 15.7	19.0	C 11.8
Atlanta, Ga.	201,732	40	10.3	C 16.3	12.5	C 15.9
Baltimore, Md.	669,981	187	14.6	A 15.8	17.1	A 25.9
Birmingham, Ala.	197,670	56	14.8	A 16.0	16.1	A 12.7
Boston, Mass.	785,245	149	9.9	A 13.9	20.8	A 24.7
Buffalo, N. Y.	473,229	110	12.1	C 16.5	21.8	C 33.3
Cambridge, Mass.	111,432	23	10.8	A 11.8	13.0	A 29.3
Chicago, Ill.	2,596,681	512	10.3	A 14.0	19.7	A 27.0
Cincinnati, Ohio.	418,022	80	10.0	C 17.6	7.5	C 17.7
Cleveland, Ohio.	810,306	192	12.4	C 10.2	29.2	C 27.8
Columbus, Ohio.	225,296	41	9.5	C 15.5	17.1	C 10.4
Dayton, Ohio.	130,655	20	8.0	C 11.6	25.0	C 3.4
Denver, Colo.		61			4.9	
Fall River, Mass.	128,392	19	7.7	C 15.4	47.4	C 44.7
Grand Rapids, Mich.	135,450	17	6.5	C 12.7	17.6	C 9.1
Indianapolis, Ind.	290,389	61	11.0	C 12.1	19.7	C 17.9
Jersey City, N. J.	318,770	64	10.5	C 11.5	17.2	C 28.6
Kansas City, Mo.	313,785	75	12.5	C 12.6	13.3	C 19.7
Los Angeles, Calif.	568,495	128	11.7	A 10.4	4.7	A 12.3
Louisville, Ky.	242,707	57	12.2	C 12.2	10.5	C 14.0
Lowell, Mass.	109,081	41	19.6	A 15.9	26.8	A 34.5
Memphis, Tenn.	154,759	48	16.2	C 19.5	16.7	C 10.3
Milwaukee, Wis.	453,481	80	9.2	A 8.9	28.8	A 29.2
Minneapolis, Minn.	383,442	57	7.8	C 8.7	10.5	C 9.4
Nashville, Tenn.	119,215	37	16.2	C 26.2	16.2	C 15.0
Newark, N. J.	428,684	92	11.2	C 12.0	26.1	C 23.2
New Haven, Conn.	154,865	36	12.1	C 12.1	8.3	C 25.0
New Orleans, La.	382,273	131	17.9	A 17.8	13.7	A 12.8
New York, N. Y.	5,215,879	1,056	10.6	C 11.4	19.6	C 21.0
Oakland, Calif.	214,206	25	6.1	A 9.8	4.0	A 15.2
Omaha, Nebr.	180,264	25	7.2	C 11.0	20.0	C 23.7
Philadelphia, Pa.	1,761,371	373	11.6	A 14.7	23.7	A 27.6
Pittsburgh, Pa.	593,303	150	13.2	C 14.0	20.7	C 24.5
Portland, Oreg.		41			7.3	C 17.1
Providence, R. I.	283,613	35	6.9	C 11.1	25.7	C 19.6
Richmond, Va.	160,719	44	14.3	C 25.0	31.8	C 19.5
Rochester, N. Y.	264,856	54	10.6	C 12.2	13.0	C 27.4
St. Louis, Mo.	779,951	157	10.5	C 14.0	8.8	C 13.0
St. Paul, Minn.	257,699	40	8.1	C 5.7	0	C 14.3
San Francisco, Calif.	478,530	106	11.6	C 11.0	8.5	C 6.9
Spokane, Wash.		18			0	C 30.0
Syracuse, N. Y.	161,404	49	15.8	C 18.4	28.6	C 22.8
Toledo, Ohio.	262,234	39	7.8	A 15.2	10.3	A 16.0
Washington, D. C.	401,681	98	12.7	A 15.2	21.4	A 19.8
Worcester, Mass.	173,650	39	11.7	C 12.0	15.4	C 22.5

¹ Annual rates per 1,000 estimated 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 1918.

³ Population estimated as of July 1, 1919.

⁴ Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Aug. 16, 1919.

Policies in force.....	40,860,145
Number of death claims.....	6,474
Death claims per 1,000 policies in force, annual rate.....	8.3

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 Aug. 23, 1919.

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

ALABAMA.		DELAWARE.	
	Cases.		Cases.
Cerebrospinal meningitis.....	1	Diphtheria:	
Diphtheria.....	8	Wilmington.....	3
Malaria.....	49	Measles.....	1
Scarlet fever.....	11	Tuberculosis:	
Smallpox.....	1	Wilmington.....	2
Tuberculosis.....	19	Milford.....	2
Typhoid fever.....	39	Laurel.....	1
Veneral diseases.....	90	Typhoid fever:	
		Laurel.....	1
		Middletown.....	1
		Scattering.....	2
CALIFORNIA.		FLORIDA.	
Influenza.....	6		
Smallpox:		Cerebrospinal meningitis.....	1
Salinas.....	4	Diphtheria.....	6
San Francisco.....	2	Dysentery.....	9
Stockton.....	2	Influenza.....	2
Berkeley.....	1	Malaria.....	46
Oakland.....	1	Typhoid fever.....	11
Contra Costa County.....	1		
Monterey County.....	1		
Carmel.....	1		
Sonoma County.....	1		
Chico.....	1		
Redlands.....	1		
Porterville.....	1		
Typhoid fever:			
San Francisco.....	3		
Kern County.....	3		
Berkeley.....	1		
Richmond.....	1		
Palo Alto.....	1		
Petaluma.....	1		
Sacramento.....	1		
Lodi.....	1		
CONNECTICUT.		GEORGIA.	
Influenza.....	1		
Typhoid fever.....	24	Cerebrospinal meningitis.....	1
		Chicken pox.....	4
		Conjunctivitis (acute infectious).....	1
		Diphtheria.....	40
		Dysentery (amebic).....	2
		Dysentery (bacillary).....	8
		German measles.....	1
		Gonorrhea.....	191
		Hookworm.....	3
		Influenza.....	6
		Malaria.....	126
		Mumps.....	8
		Paratyphoid fever.....	2
		Pneumonia (acute lobar).....	1
		Polioomyelitis.....	1
		Scarlet fever.....	15

GEORGIA—continued.

	Cases.
Septic sore throat.....	5
Smallpox.....	7
Syphilis.....	83
Tuberculosis (pulmonary).....	8
Tuberculosis (other than pulmonary).....	1
Typhoid fever.....	36
Whooping cough.....	7

ILLINOIS.

Diphtheria:	
Chicago.....	68
Belleville.....	4
Decatur.....	5
Mount Olive.....	2
Harvard.....	4
Chicago Heights.....	2
Scattering.....	9
Gonorrhea.....	267
Poliomyelitis:	
Chicago.....	4
Camden.....	1
Danville.....	1
Monmouth.....	1
Mattoon.....	1
Vermont.....	1
Dallas City.....	1
Carbondale.....	2
Normal.....	1
Ullin.....	1
Monticello.....	3
Jo Daviess County—Nora Township.....	1
Scarlet fever:	
Chicago.....	22
Red Bud.....	2
Scattering.....	7
Smallpox:	
Chicago.....	4
Marion.....	2
Scattering.....	4
Syphilis.....	131
Typhoid fever:	
Chicago.....	9
Bunker Hill.....	2
Litchfield.....	5
Moline.....	2
Mount Prospect.....	2
Scattering.....	8

INDIANA.

Chancroid.....	2
Diphtheria:	
Madison County.....	2
Grant County.....	1
Lake County.....	2
Randolph County.....	4
Lawrence County.....	1
Parke County.....	1
Wayne County—Epidemic.....	
Gonorrhea.....	81
Poliomyelitis:	
Allen County.....	1
Rabies (in animals):	
Shelby County.....	1
Floyd County.....	1
Vigo County.....	1

INDIANA—continued.

	Cases.
Scarlet fever:	
Kosciusko County.....	
Wabash County.....	
Smallpox:	
Ohio County.....	
Syphilis.....	94
Typhoid fever:	
Perry County.....	1
Grant County.....	1
Marion County.....	1
Fayette County.....	1
Porter County.....	2
Fike County.....	2

IOWA.

Cerebrospinal meningitis:	
Dickinson County.....	1
Diphtheria:	
Cedar Rapids.....	1
Davenport.....	1
Des Moines.....	6
Dubuque.....	2
Fort Dodge.....	2
Gonorrhea.....	45
Scarlet fever:	
Boone.....	2
Cedar Rapids.....	1
Des Moines.....	1
Fort Dodge.....	1
Mason City.....	3
Warren County.....	1
Calhoun County.....	1
Guthrie County.....	1
Smallpox:	
Cedar Falls.....	1
Davenport.....	2
Syphilis.....	16
Typhoid fever:	
Van Buren County.....	1

KANSAS.

Cerebrospinal meningitis:	
Fort Scott.....	1
Kansas City.....	1
Diphtheria.....	10
Influenza.....	1
Scarlet fever.....	12
Smallpox.....	7

LOUISIANA.

Chancroid.....	32
Diphtheria.....	14
Gonorrhea.....	202
Influenza.....	3
Lethargic encephalitis.....	1
Pellagra.....	6
Smallpox.....	8
Syphilis.....	119
Typhoid fever.....	22

MAINE.

Diphtheria:	
Portland.....	1
Oldtown.....	1
Fort Fairfield.....	1
Lewiston.....	1

MAINE—continued.	Cases.
Gonorrhea.....	44
Scarlet fever:	
Portland.....	3
Smallpox:	
Boothbay.....	4
Syphilis.....	8
Tuberculosis.....	55
Typhoid fever:	
Portland.....	2
Milo.....	1
Mount Vernon.....	1
Whooping cough:	
Milo.....	1

MASSACHUSETTS.	Cases.
Cerebrospinal meningitis.....	3
Chicken pox.....	36
Diphtheria.....	74
German measles.....	4
Gonorrhea.....	146
Influenza.....	16
Measles.....	22
Mumps.....	11
Ophthalmia neonatorum and suppurative conjunctivitis.....	21
Pneumonia (lobar).....	15
Poliomyelitis.....	3
Scarlet fever.....	56
Septic sore throat.....	3
Syphilis.....	60
Trachoma.....	1
Tuberculosis (pulmonary).....	127
Tuberculosis (other than pulmonary).....	16
Typhoid fever.....	48
Whooping cough.....	117

MINNESOTA.	Cases.
Chancroid.....	3
Gonorrhea.....	61
Poliomyelitis.....	6
Smallpox:	
Little Falls.....	1
Syphilis.....	46

MONTANA.	Cases.
Diphtheria.....	4
Scarlet fever.....	6
Smallpox.....	4
Typhoid fever.....	12

NEW JERSEY.	Cases.
Influenza.....	15
Pneumonia.....	13

NEW YORK.	Cases.
(Not including New York City.)	
Diphtheria.....	140
Gonorrhea (voluntary reports).....	40
Influenza.....	11
Measles.....	24
Poliomyelitis:	
Buffalo.....	1
Chateaugay.....	1
Malone.....	3
Webb town.....	1
Amsterdam.....	1
Utica.....	1
Scarsdale.....	1

NEW YORK—continued.	Cases.
Pneumonia.....	17
Scarlet fever.....	43
Syphilis (voluntary reports).....	168
Typhoid fever:	
Tonawanda.....	24
Scattering.....	39
Whooping cough.....	105

NORTH CAROLINA.	Cases.
Chancroid.....	8
Chicken pox.....	5
Cholera infantum.....	1
Diphtheria.....	22
Gonorrhea.....	130
Measles.....	9
Paratyphoid fever.....	1
Pneumonia (broncho).....	3
Pneumonia (lobar).....	2
Scarlet fever.....	36
Septic sore throat.....	6
Smallpox.....	9
Syphilis.....	64
Typhoid fever.....	97
Whooping cough.....	66

OHIO.	Cases.
Smallpox:	
Harrison.....	8
Typhoid fever:	
Warren.....	6
Chillicothe.....	5
Steubenville.....	5
Guernsey County—Westland Township.....	5
Quaker City.....	4
Nelsonville.....	3
Figue.....	3

VIRGINIA.	Cases.
Poliomyelitis:	
Alexandria County.....	1
Hanover.....	1
Richmond.....	1
Smallpox:	
Wise County.....	1

WASHINGTON.	Cases.
Chicken pox.....	19
Diphtheria.....	13
Gonorrhea.....	20
Measles.....	5
Mumps.....	12
Scarlet fever.....	32
Smallpox.....	36
Syphilis.....	7
Tuberculosis.....	6
Typhoid fever.....	17
Whooping cough.....	43

WEST VIRGINIA.	Cases.
Diphtheria:	
Bluefield.....	1
Buckhannon.....	2
Charleston.....	2
Huntington.....	9
Keyser.....	1
Mannington.....	1
Montgomery.....	1
Wellsburg.....	1
Weston.....	1
Williamson.....	1

WEST VIRGINIA—continued.

Measles:	Cases.
Keyser.....	2
Scarlet fever:	
Buckhannon.....	4
Martinsburg.....	2
Smallpox:	
Grafton.....	2
Typhoid fever:	
Charleston.....	7
Charles Town.....	1
Clarksburg.....	1
Elkins.....	1
Fairmount.....	2
Huntington.....	4
Martinsburg.....	1
New Martinsville.....	1
Weston.....	6

WISCONSIN.

Cerebrospinal meningitis:	
Milwaukee.....	1
Scattering.....	1
Chancroid.....	1

WISCONSIN—continued.

Chicken pox:	Cases.
Milwaukee.....	4
Scattering.....	3
Diphtheria:	
Milwaukee.....	13
Scattering.....	27
Gonorrhea.....	53
Measles:	
Milwaukee.....	5
Scattering.....	10
Ophthalmia neonatorum.....	1
Poliomyelitis:	
Milwaukee.....	9
Scattering.....	5
Scarlet fever:	
Milwaukee.....	3
Scattering.....	15
Smallpox.....	10
Syphilis.....	9
Tuberculosis.....	8
Typhoid fever.....	10
Whooping cough:	
Milwaukee.....	42
Scattering.....	11

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

Tables showing by counties the reported cases of cerebrospinal meningitis, 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.	Malaria.	Measles	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
Arizona (July).....		1						1	21
Connecticut (July).....		89		157			65		48
Delaware (July).....		2	1	7				1	8
District of Columbia (July).....	1	54		10		4	14	2	17
Louisiana (July).....	1	42	314	30	43	1	8	47	145
Michigan (July).....		402		288		22	202	132	139
Minnesota (July).....	7	238		204	1	21	65	133	40
Montana ¹ (June).....	1	33		162		1	142	127	7
New Jersey (July).....	14	408	17	337		3	145		46
Ohio (July).....	6	305	4	1,015	1	6	220	139	267
Oregon (July).....	1	21		18			32	247	6
Vermont (July).....		27		40			10		9
Washington (July).....	3	75		132		1	141	308	28

¹ Montana report in Public Health Reports, July 25, 1919, was report for May instead of June.

RECIPROCAL NOTIFICATION.

Minnesota.

Cases of communicable diseases referred during July, 1919, 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: Minneapolis Health Department, Hennepin County.	Waterloo, Blackhawk County, Iowa...	Mother and son exposed to diphtheria in Minnesota; went visiting in Iowa.
Tuberculosis: Mayo Clinic, Rochester, Olmsted County.	Fort Smith, Sebastian County, Ark. (2 cases); Ventura, Ventura County, Calif.; Cheyenne Wells, Cheyenne County, Colo.; Elizabeth, Jo Daviess County, Ill.; Fort Ritner, Lawrence County, Ind.; Knoxville, Marion County, Iowa; Keokuk, Lee County, Iowa; Charles City, Floyd County, Iowa; Doon, Lyon County, Iowa; Guttenburg, Clayton County, Iowa; Ellenburgh Center, Clinton County, N. Y.; Nisland, Butte County, S. Dak.; New Effington, Roberts County, S. Dak.; Montrose, McCook County, S. Dak.; Mondovi, Buffalo County, Wis.; Superior, Douglas County, Wis.; Kenosha, Kenosha County, Wis.; Casper, Natrona County, Wyo. (2 cases).	11 advanced cases, 7 moderately advanced; 2 incipient cases left Mayo Clinic for homes.
Ottertail County Sanatorium.	Wahpeton, Richland County, N. Dak.	Open case left sanatorium for home.
Pokégama Sanatorium, Pine County.	Charles City, Floyd County, Iowa; Rosholt, Roberts County, S. Dak.	1 moderately advanced, 1 (stage not given).
Sand Beach Sanatorium, Lake Park, Becker County.	Kindred, Cass County, N. Dak.	2 open cases and 1 fatal case taken from sanatoriums to their respective homes.
Thomas Hospital, Minneapolis, Hennepin County.	Dell Rapids, Minnehaha County, S. Dak.; Eleva, Trempealeau County, Wis.	
Typhoid fever: Minneapolis Health Department, Hennepin County.	Kansas City, Jackson County, Mo.	Living in Kansas City, Mo., 3 weeks previous to date of first symptoms.

CEREBROSPINAL MENINGITIS.

State Reports for June and July, 1919.

Place.	New cases reported.	Place.	New cases reported.
District of Columbia (July).....	1	New Jersey (July):	
Louisiana (July):		Bergen County.....	2
Terrebonne Parish.....	1	Essex County.....	2
Minnesota (July):		Hudson County.....	4
Dodge County—		Mercer County.....	2
West Concord.....	1	Monmouth County.....	1
Freeborn County—		Passaic County.....	2
Bath Township.....	1	Union County.....	1
St. Louis County—		Total.....	14
Duluth.....	1	Ohio (July):	
Mountail Iron.....	1	Columbiana County.....	1
Stearns County—		Cuyahoga County.....	3
St. Cloud.....	2	Highland County.....	1
Watonswan County—		Scioto County.....	1
Butterfield Township.....	1	Total.....	6
Total.....	7	Oregon (July):	
Montana ¹ (June):		Wasco County.....	1
Mussellshell County—		Washington (July):	
Klein.....	1	Grays Harbor County.....	1
		King County—	
		Seattle.....	2
		Total.....	3

¹ Montana report in Public Health Reports, July 25, 1919, was report for May instead of June.

CEREBROSPINAL MENINGITIS—Continued.**City Reports for Week Ended Aug. 9, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Appleton, Wis.	1	1	Milwaukee, Wis.	1	.....
Chicago, Ill.	2	.....	Mobile, Ala.	1	2
Colorado Springs, Colo.	1	.....	Montgomery, Ala. ....	.....	1
Detroit, Mich. ....	.....	1	New York, N. Y.	4	6
El Paso, Tex.	1	.....	Philadelphia, Pa.	2	2
Flint, Mich. ....	.....	1	Providence, R. I. ....	.....	1
Kalamazoo, Mich.	1	.....	St. Louis, Mo.	2	1
Kansas City, Mo.	1	.....	Superior, Wis. ....	.....	1
Lowell, Mass.	1	.....	Wilkes-Barre, Pa.	1	.....
Malden, Mass.	1	1			

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 1979; Monthly summaries by States, p. 1982; and Weekly reports from cities, p. 1997.

INFLUENZA.**Illinois—July, 1919.**

The State Department of Health of Illinois reports that influenza in very mild form, without fatalities or serious complications, was unduly prevalent during the first half of July in certain localities, chiefly in the central part of the State. The cases were not generally reported, having been diagnosed as "summer cold," but investigation by State officers justifies the diagnosis of influenza. The largest group of cases was in Peoria, where it is estimated that 1,200 or more cases occurred. Only small groups of cases are reported from other localities.

LEPROSY.**Louisiana, New York, and Washington.**

During July a case of leprosy was reported at Lafayette, La., in the person of N. T. L., white, male, age 24, and two cases were reported at New Orleans, La.

One case of leprosy was reported during July at Olympia, Wash., in the person of O. J., Chinese, male, age about 60. The patient had lived at the present address for about 15 years and in the United States for 30 or 40 years, making several visits to China, the last of which was 14 years ago. The type of the disease is macular. The patient is quarantined under the supervision of the Health Office.

During the week ended August 9, 1919, one case of leprosy was reported in New York, N. Y.

LETHARGIC ENCEPHALITIS.**Louisiana Report for July, 1919.**

During July, 1919, one case of lethargic encephalitis was reported in Louisiana.

MALARIA.**State Reports for July, 1919.**

Place.	New cases reported.	Place.	New cases reported.
Delaware:		Louisiana—Continued.	
New Castle County—		St. John the Baptist Parish.....	7
New Castle.....	1	St. Landry Parish.....	7
Louisiana:		St. Martin Parish.....	10
Acadia Parish.....	8	St. Mary Parish.....	3
Allen Parish.....	5	St. Tammany Parish.....	16
Assumption Parish.....	15	Tangipahoa Parish.....	9
Avoyelles Parish.....	2	Terrebonne Parish.....	17
Beauregard Parish.....	2	Vermilion Parish.....	8
Calcasieu Parish.....	2	Washington Parish.....	17
Caldwell Parish.....	8	West Baton Rouge Parish.....	1
Concordia Parish.....	3	West Carroll Parish.....	5
De Soto Parish.....	17	West Feliciana Parish.....	1
East Feliciana Parish.....	5	Total.....	314
Evangeline Parish.....	1		
Iberville Parish.....	9	New Jersey:	
Jefferson Parish.....	2	Essex County.....	9
Lafayette Parish.....	3	Middlesex County.....	1
La Salle Parish.....	8	Somerset County.....	3
Lincoln Parish.....	3	Sussex County.....	1
Livingston Parish.....	10	Union County.....	3
Morehouse Parish.....	18	Total.....	17
Natchitoches Parish.....	15	Ohio:	
Orleans Parish.....	6	Brown County.....	1
Plaquemines Parish.....	9	Lucas County.....	2
Pointe Coupee Parish.....	4	Miami County.....	1
Rapides Parish.....	25	Total.....	4
Red River Parish.....	1		
Richland Parish.....	22		
St. Charles Parish.....	9		
St. James Parish.....	1		

City Reports for Week Ended Aug. 9, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.....	1	.....	Memphis, Tenn.....	4	.....
Alexandria, La.....	4	.....	Montgomery, Ala.....	1	.....
Atlanta, Ga.....	.....	1	Newark, N. J.....	1	.....
Berkeley, Calif.....	2	.....	New Orleans, La.....	1	.....
Birmingham, Ala.....	4	.....	New York, N. Y.....	2	1
Columbus, Ga.....	5	.....	Paterson, N. J.....	2	.....
Dallas, Tex.....	21	.....	Pine Bluff, Ark.....	3	.....
East St. Louis, Ill.....	14	.....	Pontiac, Mich.....	1	.....
Framingham, Mass.....	2	.....	Richmond, Va.....	1	.....
Independence, Mo.....	1	.....	Spartanburg, S. C.....	2	.....
Little Rock, Ark.....	1	.....	Wilmington, N. C.....	1	.....
Macon, Ga.....	.....	1	Winston-Salem, N. C.....	9	.....

MEASLES.

See Telegraphic weekly reports from States, p. 1979; Monthly summaries by States, p. 1982; and Weekly reports from cities, p. 1997.

PELLAGRA.**State Reports for July, 1919.**

Place.	New cases reported.	Place.	New cases reported.
Louisiana:		Louisiana—Continued.	
Calcasieu Parish.....	1	Tensas Parish.....	1
De Soto Parish.....	1	Union Parish.....	1
Franklin Parish.....	2	Vernon Parish.....	4
Grant Parish.....	1	Webster Parish.....	1
Morehouse Parish.....	3	Total.....	43
Natchitoches Parish.....	1		
Orleans Parish.....	7	Minnesota:	
Ouachita Parish.....	1	Olmstead County—	
Rapides Parish.....	3	Rochester.....	1
Richland Parish.....	14	Ohio:	
Sabine Parish.....	1	Hamilton County.....	1
St. Mary Parish.....	1		

PELLAGRA—Continued.

City Reports for Week Ended Aug. 9, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.		1	Macon, Ga.	1	
Birmingham, Ala.		1	Mobile, Ala.		1
Charleston, S. C.		3	Nashville, Tenn.		1
Charlotte, N. C.		1	New Orleans, La.	2	2
Columbus, Ga.	2		New York, N. Y.		1
Dallas, Tex.	5	1	Raleigh, N. C.		1
Fort Worth, Tex.		1	Rome, Ga.	1	
Lexington, Ky.		1	Winston-Salem, N. C.	1	

PLAGUE-INFECTED GROUND SQUIRRELS.

Alameda and San Mateo Counties, Calif.

During the period from July 30 to August 7, 1919, five plague-infected ground squirrels were reported found in Alameda County, Calif. On July 28 a plague-infected ground squirrel was reported found in San Mateo County, Calif., and another on August 1.

PNEUMONIA.

City Reports for Week Ended Aug. 9, 1919.

Place.	Lobar.		All forms.		Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.		Cases.	Deaths.	Cases.	Deaths.
Alameda, Calif.	1	1			Louisville, Ky.		2		
Atlantic City, N. J.	1				Lowell, Mass.	1	2		
Baltimore, Md.	2				Malden, Mass.	1			
Berkeley, Calif.		1			Marquette, Mich.	1			1
Birmingham, Ala.		1			Memphis, Tenn.		2		
Boston, Mass.	9	5			Milwaukee, Wis.		2		
Brazil, Ind.		1			Missoula, Mont.		1		
Buffalo, N. Y.	1	2			Montgomery, Ala.		1		
Canton, Ohio.		1			Nashville, Tenn.		1		
Cape Girardeau, Mo.		1			Newark, N. J.	7			
Charleston, S. C.				1	New Haven, Conn.				1
Chicago, Ill.			51	15	New Orleans, La.		1		
Cincinnati, Ohio.		1			New Orleans, N. Y.			9	60
Cleveland, Ohio.	7	12			North Adams, Mass.	1	1		
Columbus, Ga.	1	1			Oklahoma City, Okla.				2
Columbus, Ohio.		1			Olean, N. Y.		1		
Dayton, Ohio.	1				Orange, N. J.		1		
Denver, Colo.		1			Philadelphia, Pa.	25	9		
Detroit, Mich.	1	3	1	6	Plymouth, Mass.		1		
Dover, N. H.		1			Portland, Me.		2		
Elmira, N. Y.		1			Portland, Oreg.				1
El Paso, Tex.		1			Portsmouth, Va.		3		
Fall River, Mass.		1			Providence, R. I.		3		
Fort Worth, Tex.		2			Richmond, Va.		1		
Green Bay, Wis.				3	Rochester, N. Y.		2		
Greenwich, Conn.	1				Sacramento, Calif.		1		1
Highland Park, Mich.				1	Salt Lake City, Utah				
Hoboken, N. J.				1	San Francisco, Calif.	9	5		
Independence, Mo.			2	1	Somerville, Mass.	1	1		
Indianapolis, Ind.				3	Springfield, Mass.	1			
Irvington, N. J.	1				Trenton, N. J.		1		
Kansas City, Mo.				3	Wausau, Wis.				1
Kearny, N. J.	1				Worcester, Mass.	1			
Lackawanna, N. Y.	1				Yonkers, N. Y.		1		
Little Rock, Ark.	1								

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for June and July, 1919.

Place.	New cases reported.	Place.	New cases reported.
District of Columbia (July).....	4	Minnesota (July)—Continued.	
Louisiana (July):		Brown County—	
Orleans Parish.....	1	New Ulm.....	1
Rapides Parish.....	1	Pine County—	
Tangipahoa Parish.....	1	Sturgeon Lake Township.....	1
Total.....	3	Ramsey County—	
Michigan (July):		White Bear.....	1
Genesee County—		St. Louis County—	
Flint.....	2	Gilbert.....	1
Grand Blanc Township.....	1	Winona County—	
Macomb County—		Winona.....	1
Shelby Township.....	1	Total.....	21
Oakland County—		Montana (June):	
Birmingham.....	3	Mussellshell County—	
Pontiac.....	11	Roundup.....	1
Lapeer County—		New Jersey (July):	
Burnside Township.....	1	Cape May County.....	1
Saginaw County—		Essex County.....	1
Birch Run Township.....	1	Hudson County.....	1
Wayne County—		Total.....	3
Detroit.....	1	Ohio (July):	
Ecorse.....	1	Athens County.....	1
Total.....	22	Brown County.....	1
Minnesota (July):		Crawford County.....	1
Aitkin County—		Cuyahoga County.....	1
Spencer Township.....	1	Madison County.....	1
Crow Wing County—		Mahoning County.....	1
Brainerd.....	9	Total.....	6
Crosby.....	4	Washington (July):	
Riverton.....	1	Clarke County—	
Hennepin County—		Vancouver.....	1
Minneapolis.....	1		

¹ Montana report in Public Health Reports July 25, 1919, was report for May instead of June.

City Reports for Week Ended Aug. 9, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	11	4	Meriden, Conn.....	1	
Battle Creek, Mich.....	1		Milwaukee, Wis.....	9	2
Carnegie, Pa.....	1		Newark, N. J.....	1	
Chicago, Ill.....	14		Pontiac, Mich.....	1	
Cincinnati, Ohio.....	1	1	Racine, Wis.....	2	
Dallas, Tex.....	1		Richmond, Va.....	1	
Everett, Mass.....	1		St. Louis, Mo.....	2	
Fort Worth, Tex.....	1	1	South Bend, Ind.....	1	1
Kansas City, Kans.....	1		Yonkers, N. Y.....	1	
Kansas City, Mo.....	1		Youngstown, Ohio.....		1

RABIES IN ANIMALS.

City Reports for Week Ended Aug. 9, 1919.

Place.	Cases.	Place.	Cases.
Akron, Ohio.....	1	Rochester, N. Y.....	1
Kansas City, Mo.....	3	Winston-Salem, N. C.....	1

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.**Montana Report for June, 1919.**

Place.	New cases reported.	Place.	New cases reported.
Montana ¹ (June):		Montana (June)—Continued.	
Big Horn County—		Yellowstone County—	
Hardin (R. D.).....	1	Shepherd.....	1
Ravalli County—		Warren.....	1
Darby (R. D.).....	1	Total.....	4

¹ Montana report in Public Health Reports July 25, 1919, was report for May instead of June.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 1979; Monthly summaries by States, p. 1982; and Weekly reports from cities, p. 1997.

SMALLPOX.**State Reports for June and July, 1919—Vaccination Histories.**

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Arizona (July):						
Maricopa County.....	1				1	
District of Columbia (July).....	2				2	
Michigan (July):						
Antrim County—						
Banks Township.....	1				1	
Calhoun County—						
Battle Creek.....	8		2		6	
Chippewa County—						
Soo Township.....	1				1	
Clinton County—						
Dewitt Township.....	1			1		
Lebanon Township.....	1				1	
Crawford County—						
Grayling.....	1				1	
Eaton County—						
Grand Ledge.....	7				7	
Mulliken.....	1				1	
Oneida Township.....	3				3	
Roxand Township.....	4				4	
Emmet County—						
Petoskey.....	1				1	
Genesee County—						
Flint.....	6				6	
Gogebic County—						
Bessemer.....	2		2			
Bessemer Township.....	4				2	2
Gratiot County—						
Alma.....	1				1	
Ithaca Township.....	1		1			
Houghton County—						
Adams Township.....	3		2		1	
Hancock.....	1					1
Ingham County—						
East Lansing.....	3		1	2		
Lansing.....	9				9	
Lansing Township.....	1		1			
Williamston Township.....	1				1	
Ionia County—						
Danby Township.....	1				1	

SMALLPOX—Continued.

State Reports for June and July, 1919—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Michigan (July)—Continued.						
Isabella County—						
Deerfield Township.....	1				1	
Iron County—						
Crystal Falls.....	1				1	
Jackson County—						
Jackson.....	13		2		11	
Kalamazoo County—						
Kalamazoo.....	2			2		
Kent County—						
Browne Township.....	1		1			
Grand Rapids.....	2					2
Keweenaw County—						
Allouez Township.....	4		2	1		1
Houghton Township.....	1					1
Lenawee County—						
Fairfield Township.....	1					1
Marquette County—						
Marquette.....	1				1	
Midland County—						
Ingersoll Township.....	2			1		1
Midland.....	9				9	
Newaygo County—						
Newaygo.....	3				3	
Oakland County—						
Bloomfield Township.....	1			1		
Pontiac.....	4				4	
Ogemaw County—						
Edwards Township.....	1				1	
Osceola County—						
Reed City.....	1				1	
Ostego County—						
Gaylord.....	5		1		4	
Saginaw County—						
Chesaning.....	4		1		3	
Wayne County—						
Detroit.....	10				4	6
Selma Township.....	1					1
Taylor Township.....	1				1	
Van Burne Township.....	1				1	
Total	132		16	8	92	16
Minnesota (July):						
Becker County—						
Green Valley Township...	1				1	
Benton County—						
Sauk Rapids.....	2				2	
Blue Earth County—						
Mapleton.....	1				1	
Dakota County—						
South St. Paul.....	2					2
Dodge County—						
Wasioja Township.....	1				1	
Douglas County—						
Evansville Township.....	1				1	
Faribault County—						
Blue Earth.....	5				3	2
Fillmore County—						
Harmony.....	1				1	
Holt Township.....	1			1		
Goodhue County—						
Central Point Township...	1				1	
Grant County—						
Elbow Lake.....	1				1	
Lawrence Township.....	5				5	
Hennepin County—						
Edina.....	2				2	
Minneapolis.....	33			1	32	
Minnetrista Township.....	3		2		1	
Kanabec County—						
Arthur Township.....	1				1	
Brunswick Township.....	1				1	
Grass Lake Township.....	1				1	

SMALLPOX—Continued.

State Reports for June and July, 1919—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Minnesota (July)—Continued.						
Lac qui Parle County—						
Ortonville.....	1				1	
Le Sueur County—						
Tyrone Township.....	9				9	
Lyon County—						
Tracy.....	3				2	1
Monroe Township.....	1				1	
Meeker County—						
Watkins.....	3				3	
Forest Prairie Township.....	3				1	2
Murray County—						
Lake Sarah Township.....	1				1	
Nobles County—						
Reading.....	1				1	
Olmsted County—						
Rochester.....	5				5	
Otter Tail County—						
Parkers Prairie.....	1				1	
Friberg Township.....	2				2	
Ramsey County—						
St. Paul.....	15				15	
Rock County—						
Luverne.....	1				1	
Mound Township.....	1					1
St. Louis County—						
Duluth.....	10				10	
Scott County—						
Louisville Township.....	1				1	
Stearns County—						
St. Cloud.....	3				2	1
Sartell.....	2				2	
Traverse County—						
Wheaton.....	1				1	
Walls Township.....	1				1	
Wabasha County—						
Lake City.....	3				3	
Washington County—						
South Stillwater.....	1				1	
Winona County—						
Winona.....	1				1	
Total.....	133		2	2	120	9
Montana¹ (June):						
Big Horn County—						
McRea.....	3				3	
Blaine County—						
Chinook.....	2				2	
Broadwater County—						
Townsend.....	2				2	
Carbon County—						
Bridger.....	1				1	
Carter County—						
Boyer.....	2					2
Cascade County—						
Great Falls (5 R. D.).....	14				14	
Chouteau County—						
Geraldine.....	2				2	
Custer County—						
Milos City.....	8			1	7	
Dawson County—						
Glendive.....	2			1	1	
Deer Lodge County—						
Anaconda.....	1				1	
Fergus County—						
Denton.....	1				1	

¹ Montana report in Public Health Reports, July 25, 1919, was report for May instead of June.

SMALLPOX—Continued.

State Reports for June and July, 1919—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Montana (June)—Continued.						
Lewistown.....	5			1	4	
South Lewistown.....	1				1	
Stanford.....	4				4	
Winifred.....	1				1	
Flathead County—						
Columbia Falls.....	1				1	
Gallatin County—						
Bozeman.....	6				6	
Three Forks.....	1				1	
Granite County—						
Phillipsburg.....	2				2	
Hill County—						
Havre.....	1				1	
Jefferson County—						
Boulder Springs.....	1				1	
Lewis and Clark County—						
Marysville.....	37				37	
Powder River County—						
Broadus.....	1				1	
Rosebud County—						
Rosebud.....	1				1	
Sheridan County—						
Plentywood.....	1				1	
Silver Bow County—						
Butte.....	8				8	
Stillwater County—						
Rapelje.....	1				1	
Reed Point.....	1				1	
Treasure County—						
Big Horn.....	2				2	
Hysham.....	4				4	
Valley County—						
Opheim.....	1				1	
Wheatland County—						
Harlowton.....	7				7	
Judith Gap.....	1				1	
Yellowstone County—						
Billings.....	1				1	
Total.....	127			3	122	2
Ohio (July):						
Belmont County.....	1					1
Butler County.....	7				7	
Clark County.....	2					2
Columbiana County.....	2			1	1	
Crawford County.....	1				1	
Cuyahoga County.....	14					14
Darke County.....	1				1	
Eric County.....	3				3	
Fayette County.....	3				3	
Franklin County.....	4				3	1
Hamilton County.....	3					3
Jefferson County.....	8			1	2	5
Logan County.....	1			1		
Lorain County.....	12				7	5
Lucas County.....	3				2	1
Mahoning County.....	46			2	23	21
Marion County.....	5				3	2
Meeker County.....	1				1	
Morrow County.....	4					4
Paulding County.....	1					1
Sandusky County.....	1					1
Scioto County.....	4				2	2
Seneca County.....	1					1
Trumbull County.....	1				1	
Tuscarawas County.....	9			2	5	2
Warren County.....	1				1	
Total.....	139			7	66	66

SMALLPOX—Continued.

State Reports for July, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Delaware:			Washington—Continued.		
Sussex County	1		Franklin County	8	
Louisiana:			Pasco	8	
Allen Parish	3		Grays Harbor County	9	
Avozelles Parish	1		Aberdeen	4	
Beauregard Parish	1		Cosmopolis	1	
Caddo Parish	3		Hoquiam	24	
Caldwell Parish	4		Oakville	1	
East Baton Rouge Parish	16		King County	12	
Orleans Parish	4		Auburn	3	
St. James Parish	7		Seattle	41	
St. Landry Parish	2		Kittitas County	1	
Vernon Parish	2		Ellensburg	1	
West Baton Rouge Parish	1		Lewis County—		
West Feliciana Parish	1		Centralia	1	
Winn Parish	2		Chehalis	4	
Total	47		Winlock	2	
Oregon:			Pierce County	18	
Benton County	1		Puyallup	17	
Clackamas County	35		Tacoma	12	
Deschutes County	1		Skagit County—		
Douglas County	1		Anacortes	1	
Hood River County	1		Lyman	2	
Jefferson County	3		Snohomish County	5	
Josephine County	2		Everett	7	
Lane County	11		Marysville	3	
Linn County	22		Spokane County	2	
Marion County	1		Spokane	15	
Tillamook County	1		Stevens County	1	
Wasco County	1		Thurston County	2	
Portland	163		Olympia	12	
Clatsop County	4		Wahkiakum County	1	
Total	247		Walla Walla County	6	
Washington:			Walla Walla	11	
Chelan County	2		Whatcom	3	
Wenatchee	1		Bellingham	2	
Clallam County	4		Yakima	38	
			Sunnyside	3	
			Yakima	18	
			Zillah	2	
			Total	308	

City Reports for Week Ended Aug. 9, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Aberdeen, Wash	1		Oakland, Calif	2	
Atchison, Kans	2		Ogden, Utah	3	
Atlanta, Ga	2		Omaha, Nebr	2	
Cleveland, Ohio	12		Oshkosh, Wis	1	
Dallas, Tex	9		Pontiac, Mich	1	
Davenport, Iowa	1		Portland, Oreg	18	
Denver, Colo	10		Racine, Wis	1	
Des Moines, Iowa	1		Roanoke, Va	1	
Detroit, Mich	4		Rome, Ga	3	
El Paso, Tex	3		St. Cloud, Minn	25	
Green Bay, Wis	4		St. Joseph, Mo	1	
Independence, Mo	4		St. Paul, Minn	2	
Indianapolis, Ind	1		Salt Lake City, Utah	2	
Kalamazoo, Mich	2		San Francisco, Calif	7	
Kansas City, Mo	1		Seattle, Wash	14	
Kenosha, Wis	1		Spartanburg, S. C	1	
Leavenworth, Kans	1		Spokane, Wash	2	
Lincoln, Nebr	1		Stockton, Calif	2	
Logansport, Ind	8		Superior, Wis	1	
Long Beach, Calif	1		Tacoma, Wash	3	
Louisville, Ky	1		Topeka, Kans	2	
Marinette, Wis	1		Yakima, Wash	3	
Milwaukee, Wis	3		Youngstown, Ohio	1	1
Newport News, Va	2				

TETANUS.**City Reports for Week Ended Aug. 9, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Buffalo, N. Y.....	1	.....	New Orleans, La.....	.....	2
Chicago, Ill.....	1	2	New York, N. Y.....	1	.....
Evansville, Ind.....	1	.....	Philadelphia, Pa.....	.....	1
Greensboro, N. C.....	.....	1	Schenectady, N. Y.....	.....	1
Macon, Ga.....	.....	1	Topeka, Kans.....	.....	1
Mobile, Ala.....	.....	1			

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 1979, and Weekly reports from cities, p. 1997.

TYPHOID FEVER.**State Reports for June and July, 1919.**

Place.	New cases reported.	Place.	New cases reported.
Arizona (July):		Louisiana (July):	
Yavapai County.....	3	Acadia Parish.....	1
Apache County.....	18	Allen Parish.....	3
Total.....	21	Ascension Parish.....	4
Connecticut (July):		Assumption Parish.....	5
Fairfield County—		Avoyelles Parish.....	2
Bridgeport.....	9	Caddo Parish.....	10
Norwalk.....	2	Calcasieu Parish.....	3
Shelton.....	2	Catahoula Parish.....	1
Hartford County—		Concordia Parish.....	1
Hartford.....	2	De Soto Parish.....	1
New Britain.....	1	East Baton Rouge Parish.....	2
Suffield.....	1	Franklin Parish.....	4
Litchfield County—		Grant Parish.....	4
Washington.....	1	Iberville Parish.....	3
Watertown.....	1	Jackson Parish.....	1
New Haven County—		Jefferson Parish.....	2
Branford.....	1	Jefferson Davis Parish.....	3
Hamden.....	1	Lafayette Parish.....	1
Meriden.....	1	Lafourche Parish.....	1
Milford.....	2	Lincoln Parish.....	2
New Haven.....	12	Natchitoches Parish.....	2
Orange.....	4	Orleans Parish.....	23
Waterbury.....	4	Pointe Coupee Parish.....	11
New London County—		Rapides Parish.....	3
Preston.....	1	Richland Parish.....	3
Tolland County—		St. Charles Parish.....	1
Vernon.....	1	St. James Parish.....	9
Windham County—		St. John the Baptist Parish.....	3
Windham.....	2	St. Mary Parish.....	6
Total.....	48	Tangipahoa.....	4
Delaware (July):		Terrebonne Parish.....	2
Kent County—		Union Parish.....	1
Dover.....	1	Vermilion Parish.....	8
Harrington.....	1	Vernon Parish.....	3
New Castle County—		Washington Parish.....	4
Newark.....	1	Webster Parish.....	5
New Castle.....	1	West Baton Rouge Parish.....	1
Wilmington.....	3	Winn Parish.....	2
Sussex County—		Total.....	145
Seaford.....	1	Michigan (July):	
Total.....	8	Bay County—	
District of Columbia (July).....	17	Bay City.....	6
		Benzie County—	
		Alberta.....	1
		Berrien County—	
		Lincoln township.....	1

TYPHOID FEVER—Continued.

State Reports for June and July, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
Michigan (July)—Continued.		Minnesota (July)—Continued.	
Calhoun County—		Blue Earth County—	
Battle Creek.....	2	Mankato.....	1
Marshall township.....	2	Clay County—	
Chippewa County—		Moorhead.....	2
Sault Ste Marie.....	2	Dakota County—	
Crawford County—		South St. Paul.....	1
Grayling.....	2	Faribault County—	
Emmet County—		Pilot Grove Township.....	1
Alanson.....	1	Goodhue County—	
Genesee County—		Red Wing.....	1
Flint.....	19	Burnside Township.....	1
Montrose.....	1	Hennepin County—	
Gladwin County—		Minneapolis.....	7
Grout township.....	1	Itasca County—	
Gratiot County—		Nashwauk.....	2
Ithaca.....	1	Lincoln County—	
Hillsdale County—		Verdi Township.....	2
Hillsdale.....	1	Marshall County—	
Jefferson township.....	2	New Solum Township.....	1
Houghton County—		Ottertail County—	
Franklin township.....	1	Fergus Falls.....	1
Hancock.....	1	Pipestone County—	
Ingham County—		Pipestone.....	1
Delhi township.....	2	Polk County—	
Ingham township.....	1	Crookston.....	1
Lansing.....	2	Park Township.....	1
Lansing township.....	1	Ramsey County—	
Ionia County—		St. Paul.....	2
Danby township.....	1	Rice County—	
Jackson County—		Northfield.....	1
Jackson.....	1	St. Louis County—	
Kalamazoo County—		Ely.....	1
Augusta.....	1	Hibbing.....	1
Kalamazoo.....	1	Stearns County—	
Kent County—		St. Cloud.....	2
Grand Rapids.....	2	Farming Township.....	1
Oakfield township.....	1	Steele County—	
Leonia County—		Owatonna.....	2
Ogden township.....	1	Wabasha County—	
Livingston County—		Lake City.....	1
Handy township.....	1	Watopa Township.....	1
Macomb County—		Watsonwan County—	
Chesterfield township.....	1	St. James.....	1
Monroe County—		Wright County—	
Bedford township.....	1	Annandale.....	1
Montcalm County—		Total.....	40
Maple Valley township.....	3	Montana¹ (June):	
Richland township.....	1	Fergus County—	
Stanton township.....	1	Lewistown.....	1
Osceola County—		Flathead County—	
Reed City.....	1	Polson.....	1
Saginaw County—		Essex.....	1
Saginaw.....	6	Ronan (R. D.).....	1
St. Clair County—		Gallatin County—	
China township.....	1	Three Forks.....	1
Columbus township.....	1	Granite County—	
Wales township.....	1	Phillipsburg.....	1
Van Buren County—		Treasure County—	
South Haven.....	1	Hysham.....	1
Wayne County—		Total.....	7
Detroit.....	52	New Jersey (July):	
Ford.....	1	Atlantic County.....	3
Hamtramck.....	1	Bergen County.....	3
Highland Park.....	4	Burlington County.....	2
Redford township.....	1	Camden County.....	3
Romulus township.....	1	Essex County.....	6
River Rouge.....	1	Gloucester County.....	1
Wyandotte.....	1	Hudson County.....	5
Total.....	139	Mercer County.....	1
Minnesota (July):		Middlesex County.....	3
Becker County—		Monmouth County.....	7
Detroit.....	1	Morris County.....	5
Beltrami County—		Passaic County.....	4
Blackduck.....	1		
Tenstrike.....	1		

¹Montana report in Public Health Reports, July 25, 1919, was report for May instead of June.

TYPHOID FEVER—Continued.

State Reports for June and July, 1919.

Place.	New cases reported.	Place.	New cases reported.
New Jersey (July)—Continued.		Ohio (July)—Continued.	
Sussex County.....	2	Scioto County.....	9
Union County.....	1	Seneca County.....	2
Total.....	46	Shelby County.....	2
Ohio (July):		Stark County.....	14
Adams County.....	5	Summit County.....	13
Allen County.....	5	Trumbull County.....	16
Ashland County.....	3	Tuscarawas County.....	4
Ashtabula County.....	2	Warren County.....	1
Athens County.....	1	Washington County.....	11
Belmont County.....	9	Wayne County.....	2
Carroll County.....	1	Williams County.....	1
Clark County.....	5	Wood County.....	2
Clermont County.....	1	Wyandot County.....	2
Columbiana County.....	7	Total.....	267
Crawford County.....	1	Oregon (July):	
Cuyahoga County.....	16	Klamath County.....	3
Delaware County.....	1	Linn County.....	1
Fairfield County.....	7	Portland.....	2
Franklin County.....	8	Total.....	6
Greene County.....	2	Vermont (July):	
Guernsey County.....	9	Addison County.....	1
Hamilton County.....	7	Chittenden County.....	1
Hancock County.....	1	Orange County.....	1
Hardin County.....	1	Rutland County.....	2
Harrison County.....	1	Orleans County.....	3
Henry County.....	1	Washington County.....	1
Highland County.....	3	Total.....	9
Hocking County.....	1	Washington (July):	
Huron County.....	4	Chelan County.....	
Jackson County.....	1	Wenatchee.....	1
Jefferson County.....	10	Clarke County.....	1
Knox County.....	6	Gray's Harbor County.....	1
Lawrence County.....	3	Aberdeen.....	3
Licking County.....	7	King County.....	2
Logan County.....	1	Seattle.....	3
Lorain County.....	3	Lincoln County.....	1
Lucas County.....	6	Okanogan County.....	
Mahoning County.....	4	Pateros.....	2
Marion County.....	1	Snohomish County.....	
Medina County.....	1	Everett.....	2
Meigs County.....	3	Spokane County.....	
Mercer County.....	2	Medical Lake.....	1
Miami County.....	1	Spokane.....	2
Monroe County.....	1	Walla Walla County.....	1
Montgomery County.....	11	Whitman County.....	
Muskingum County.....	3	Palouse.....	2
Noble County.....	2	Yakima County.....	5
Paulding County.....	4	Wapato.....	1
Perry County.....	2	Total.....	28
Pike County.....	2		
Portage County.....	1		
Preble County.....	1		
Richland County.....	3		
Ross County.....	5		
Sandusky County.....	2		

City Reports for Week Ended Aug. 9, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Adams, Mass.....	2		Boston, Mass.....	1	
Akron, Ohio.....	1		Buffalo, N. Y.....	4	
Alexandria, La.....	1		Butler, Pa.....	2	
Allentown, Pa.....	1		Butte, Mont.....	1	
Atlanta, Ga.....	1	2	Cambridge, Mass.....	1	
Atlantic City, N. J.....	1		Camden, N. J.....	2	
Baltimore, Md.....	19	2	Canton, Ohio.....	1	
Bedford, Ind.....	1		Cape Girardeau, Mo.....		1
Billings, Mont.....	1		Charleston, S. C.....		2
Birmingham, Ala.....	5	1	Charleston, W. Va.....	5	1
Bloomington, Ind.....	1		Charlotte, N. C.....	1	1

TYPHOID FEVER—Continued.

City Reports for Week Ended Aug. 9, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chelsea, Mass.	1		New York, N. Y.	20	5
Chicago, Ill.	6		Norfolk, Va.	8	
Cincinnati, Ohio.	2		North Tonawanda, N. Y.	2	
Cleveland, Ohio.	2		Norwich, Conn.	1	
Colesville, Pa.	4		Ogden, Utah.	2	
Coffeyville, Kans.	1		Oklahoma City, Okla.	5	1
Colorado Springs, Colo.	1		Pasadena, Calif.	1	
Columbus, Ohio.	2		Faterson, N. J.	1	
Covington, Ky.	2	1	Philadelphia, Pa.	16	2
Cumberland, Md.	1		Pittsburgh, Pa.	8	
Dallas, Tex.	3		Pittsfield, Mass.	1	
Dayton, Ohio.	1		Portland, Me.	1	1
Denver, Colo.	3		Portland, Oreg.	5	1
Des Moines, Iowa.	1		Providence, R. I.		1
Detroit, Mich.	3	1	Pueblo, Colo.	3	
Durham, N. C.	1	1	Raleigh, N. C.	1	
Elgin, Ill.	5	1	Reno, Nev.	2	
Evansville, Ind.	1		Richmond, Va.	6	1
Fall River, Mass.	3		Riverside, Calif.	1	
Flint, Mich.	3	1	Roanoke, Va.	4	
Fort Worth, Tex.	1	2	Rochester, N. Y.		1
Fort Worth, Tex.	1	2	Rome, Ga.	5	
Fremont, Ohio.	1		Saginaw, Mich.		1
Galesburg, Ill.	2		St. Cloud, Minn.	1	
Galveston, Tex.	1		St. Joseph, Mo.	4	
Great Falls, Mont.	1		St. Louis, Mo.	17	3
Hartford, Conn.	1		St. Paul, Minn.	4	
Haverhill, Mass.	1		San Diego, Calif.	1	
Highland Park, Mich.	1		Sandusky, Ohio.	1	
Hutchinson, Kans.	1		Sanford, Me.	2	1
Indianapolis, Ind.	6		Schenectady, N. Y.	1	
Jersey City, N. J.	1		Spartanburg, S. C.	2	
Joplin, Mo.	1		Springfield, Ill.	3	
Kalamazoo, Mich.	1	1	Springfield, Mass.	4	
Kansas City, Kans.	3		Steubenville, Ohio.	9	
Knoxville, Tenn.	1		Stockton, Calif.	2	
Lackawanna, N. Y.	1		Tacoma, Wash.	2	
Lexington, Ky.	1		Taunton, Mass.	1	
Lima, Ohio.	1		Toledo, Ohio.	4	1
Lincoln, Nebr.	1		Troy, N. Y.	1	
Louisville, Ky.	5		Tulsa, Okla.	5	
Lowell, Mass.	2		Warren, Pa.	1	
McKeesport, Pa.	2		Washington, Pa.	9	
Macon, Ga.	2	2	Waterbury, Conn.	1	
Malden, Mass.	5		Wheeling, W. Va.	1	
Martinsburg, W. Va.	4		Wichita, Kans.	3	
Memphis, Tenn.	2	1	Wilmington, Del.	1	
Montgomery, Ala.	1		Wilmington, N. C.	4	
Morgantown, W. Va.	4		Winston-Salem, N. C.	8	1
Nashville, Tenn.	8	1	Worcester, Mass.	1	
Newark, N. J.	1		Yakima, Wash.	2	
New Britain, Conn.	1		Yonkers, N. Y.	1	
Newburyport, Mass.	2		York, Pa.	1	
New Orleans, La.	3	1	Youngstown, Ohio.		1

TYPHUS FEVER.

Dallas, Tex., and New York, N. Y.

During the week ended August 9, 1919, two deaths from typhus fever were reported at Dallas, Tex., and one case was reported in New York, N. Y.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended Aug. 9, 1919.

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.
Adams, Mass.	14,406	3			1					
Akron, Ohio.	93,604	30					3		11	
Alameda, Calif.	28,433	7	1				1		1	
Albany, N. Y.	106,632						1		2	
Alexandria, La.	16,232	2							1	
Allentown, Pa.	65,109		3		2					
Alton, Ill.	23,783	4								1
Altoona, Pa.	59,712		4							
Annisston, Ala.	14,326		1						2	
Ansonia, Conn.	16,954	3			3					
Appleton, Wis.	18,005	4								
Arlington, Mass.	13,073	0							1	
Asbury Park, N. J.	14,629	6								
Ashtabula, Ohio.	22,008	3	1							
Atlanta, Ga.	196,144	62	1				2	1	3	5
Atlantic City, N. J.	59,515	15	2		2		1		3	
Attlesboro, Mass.	19,776	2								
Austin, Tex.	35,612	10								1
Bakersfield, Calif.	17,543	3								
Baltimore, Md.	594,637	177	11		4		10		30	24
Baton Rouge, La.	17,544	5	2				3			
Battle Creek, Mich.	30,159		4				3			
Bayonne, N. J.	73,204		6				2		3	
Beatrice, Nebr.	10,437	0								
Beaumont, Tex.	28,851	8								
Bedford, Ind.	10,613	1	1							
Belleville, N. J.	12,797								2	
Beloit, Wis.	18,547	5	1						1	
Benton Harbor, Mich.	11,099	2								
Berkeley, Calif.	60,427	7					1		1	
Berlin, N. H.	13,892	1								
Beverly, Mass.	22,128	5								
Biddeford, Me.	17,760	5								
Birmingham, Ala.	189,716	42	8		1		5		9	2
Bloomfield, N. J.	19,013						1			
Bloomington, Ind.	11,661	1								
Boston, Mass.	767,813	167	23		8		12	1	61	21
Braddock, Pa.	22,060		2				1		1	
Brazil, Ind.	10,472	2								1
Bridgeport, Conn.	124,724	19	6	1	5		2			
Bristol, Conn.	16,318	2							2	
Brockton, Mass.	69,152	10			6				1	
Brookline, Mass.	33,526	2								
Buffalo, N. Y.	475,781	118	37	5	8		2		19	10
Burlington, Iowa.	25,114	3					1			
Burlington, Vt.	21,802	2	1							
Butler, Pa.	23,677		1				4			
Butte, Mont.	44,057		1						2	
Cadillac, Mich.	10,158	1	4							
Cairo, Ill.	15,995	7	1							1
Cambridge, Mass.	114,293	24	1		2		3		8	3
Camden, N. J.	108,117	2	2						4	
Canton, Ill.	13,674	2								
Canton, Ohio.	62,566	16					1			2
Cape Girardeau, Mo.	11,146	2								2
Carlisle, Pa.	10,795				1		1			
Carnegie, Pa.	11,993		1							
Chanute, Kans.	12,968	1								
Charleston, S. C.	61,041	32								5
Charleston, W. Va.	31,060	7	3		1					
Charlotte, N. C.	40,759	14							4	
Chelsea, Mass.	48,405	11	1						1	
Chester, Pa.	41,857								10	
Chicago, Ill.	2,547,201	574	64	10	44	2	17		297	84
Chicopee, Mass.	29,950	7	1						1	1
Chillicothe, Ohio	15,625	3					1			
Cincinnati, Ohio.	414,248	95	6	2	13	2	3		28	12
Cleveland, Ohio.	692,259		15	1	15		5		17	1
Clinton, Iowa.	27,678	0								17
Clinton, Mass.	13,075	3								
Coffeyville, Kans.	18,331				1					

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended Aug. 9, 1919—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.
Cohoes, N. Y.	25,292	4								
Colorado Springs, Colo.	38,965	8							3	4
Columbus, Ga.	26,306								1	
Columbus, Ohio.	220,135	59	1		3		2		4	6
Concord, N. H.	22,858	4					2			
Corpus Christi, Tex.	10,789	2							2	2
Council Bluffs, Iowa	31,838	6	1						1	1
Covington, Ky.	50,623	6	2						1	
Cranston, R. I.	26,773	2							1	
Cumberland, Md.	26,686	5							3	1
Dallas, Tex.	129,738	20	1				3		3	
Danvers, Mass.	10,037	0	1							
Danville, Va.	20,183						1			
Dayton, Ohio.	128,939	28			1				7	
Decatur, Ill.	41,483	11	3							
Dedham, Mass.	10,618	2								
Denver, Colo.	268,439	57	8		1					12
Des Moines, Iowa.	104,052						3			
Detroit, Mich.	619,648	145	29	4	12	4	18	1	39	11
Dover, N. H.	13,276	5								
Dubuque, Iowa.	40,086						1			
Duluth, Minn.	97,077	9	4		2				1	
Durham, N. C.	26,160	4								1
East Chicago, Ind.	30,286	6								
East Cleveland, Ohio	13,864		1							
Easthampton, Mass.	10,656		2							
Easton, Pa.	30,854								2	
East Orange, N. J.	43,761	6	2				2		1	
East St. Louis, Ill.	77,312	13					2	1	3	2
Elgin, Ill.	28,562	5							3	1
Elizabeth, N. J.	88,830		1				1		9	1
Elmira, N. Y.	38,272	14			2				1	1
El Paso, Tex.	69,149	25					1			5
Englewood, N. J.	12,603	2								
Eureka, Calif.	15,142	5								
Evansville, Ind.	76,981	28							4	
Everett, Mass.	40,160	4								
Everett, Wash.	37,205						1			
Fairmont, W. Va.	16,111						1		1	
Fall River, Mass.	129,828	24	3		4		1		11	1
Fargo, N. Dak.	17,872	3								
Findlay, Ohio.	14,858	6								2
Fitchburg, Mass.	42,119	5							1	1
Flint, Mich.	57,386	15	3	1			3			
Fond du Lac, Wis.	21,486	3								1
Fort Scott, Kans.	10,564	5								
Fort Wayne, Ind.	78,014	23							2	
Fort Worth, Tex.	109,597	24	3							1
Fostoria, Ohio.	10,959	1								
Framingham, Mass.	14,149	5							1	
Freeport, Ill.	19,844	4								
Fremont, Neb.	10,080	2								
Fremont, Ohio.	11,034	5							1	1
Fresno, Calif.	36,314	10					1			1
Galesburg, Ill.	24,629	1								
Galveston, Tex.	42,650	14							1	1
Gloversville, N. Y.	22,314		1							
Grand Rapids, Mich.	132,861	14			1				2	
Great Falls, Mont.	13,948	14	2	1			2			
Green Bay, Wis.	30,017	9								1
Greenfield, Mass.	12,251	1	2							
Greensboro, N. C.	20,171	4								
Greenwich, Conn.	19,594		1	1						
Hackensack, N. J.	17,412	5							2	
Hammond, Ind.	27,016	7								2
Harrisburg, Pa.	73,276		1		21					
Harrison, N. J.	17,345						1		2	
Hartford, Conn.	112,831		2				2		6	
Haverhill, Mass.	49,180	0	2				1		3	
Hibbing, Minn.	17,550		1		2		3		1	
Highland Park, Mich.	33,859	6			8		1	1	2	
Hoboken, N. J.	78,324	8	2						4	

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

City Reports for Week Ended Aug. 9, 1919—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.
Holland, Mich.	12,459	0								
Holyoke, Mass.	66,503	16			2		2			1
Hoquiam, Wash.	12,230						2			
Hudson, N. Y.	12,898	2								
Hutchinson, Kans.	21,461								1	
Independence, Mo.	11,964	8			1	1			1	
Indianapolis, Ind.	283,622	70	6						4	
Ironton, Ohio.	14,079	4			2					
Ironwood, Mich.	15,095	1								
Irvington, N. J.	16,710		1				1		1	
Ithaca, N. Y.	16,017	5					1		1	1
Jamestown, N. Y.	37,431	7	2						2	
Janesville, Wis.	14,411	3								
Jersey City, N. J.	312,557		8		2		2		25	
Johnstown, N. Y.	10,678	3								
Johnstown, Pa.	70,473		6		3				5	
Joplin, Mo.	33,400	5							1	
Kalamazoo, Mich.	50,408	15	2						6	1
Kankakee, Ill.	14,270	10								
Kansas City, Kans.	102,096		1				1		1	
Kansas City, Mo.	305,816	71					1		3	10
Kearny, N. J.	24,325	3	1				1			
Kenosha, Wis.	32,833	3					2			
Knoxville, Tenn.	59,112		1						3	3
Kokomo, Ind.	21,929	10	1							1
Lackawanna, N. Y.	16,219	4	5				1		2	
La Crosse, Wis.	31,833	8							3	3
La Fayette, Ind.	21,481	9							1	1
Lakewood, Ohio.	23,813	5					1			
Lancaster, Pa.	51,437						1		1	
Lawrence, Kans.	13,477	2							1	1
Lawrence, Mass.	102,923	26					1	1	5	3
Leominster, Mass.	21,365	3			4					
Lexington, Ky.	41,997	17					1			2
Lima, Ohio.	37,145	10	1						1	1
Lincoln, Nebr.	46,957	10								
Little Rock, Ark.	58,716	7			2					1
Logansport, Ind.	21,338	2	1		2		2			
Long Beach, Calif.	29,163	14							1	
Long Branch, N. J.	15,733	3								
Lorain, Ohio.	38,286	12	2				1			
Louisville, Ky.	240,808	50	7						4	4
Lowell, Mass.	114,366	32	3				2		4	5
Ludington, Mich.	10,566	4					1			
Lynchburg, Va.	33,497	6					1		1	1
Lynn, Mass.	104,534	22	1				3		4	1
McKeesport, Pa.	48,299		2				4		8	
Macon, Ga.	46,099	23								
Malden, Mass.	52,243	4					1		4	1
Manchester, N. H.	79,607	13	3		1					2
Manitowoc, Wis.	13,931	0								
Mankato, Minn.	10,365						1		1	1
Marinette, Wis.	14,610	3					1			
Marion, Ind.	19,923	6								1
Marion, Ohio.	24,129		1						1	
Marlboro, Mass.	15,285	5			1					
Marquette, Mich.	12,555	4			2					
Mason City, Iowa	14,938	7								
Melrose, Mass.	17,724	2	1							
Memphis, Tenn.	151,877	10	8		2		1		10	7
Meriden, Conn.	29,431		1						2	
Methuen, Mass.	14,320	5								
Middletown, Ohio.	16,384	4								
Milwaukee, Wis.	445,008	73	18		3		9		31	6
Missoula, Mont.	19,075	5								
Mobile, Ala.	59,201	24	2						2	1
Montclair, N. J.	27,087	0					1			
Montgomery, Ala.	44,039	14					1		7	
Morgantown, W. Va.	14,444	2								
Morristown, N. J.	13,410	2								
Mount Carmel, Pa.	20,709								2	
Nanticoke, Pa.	23,811		1				3			

¹ Population, Apr. 15, 1910.

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

City Reports for Week Ended Aug. 9, 1919—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.
Nashua, N. H.	27,541	5					5			
Nashville, Tenn.	118,136	36	1				1		4	7
Natick, Mass.	10,140	2							1	
Newark, N. J.	418,789	78	14	1			5		35	5
New Bedford, Mass.	121,622	38			2				6	4
New Britain, Conn.	55,385	14	5	1			1			
New Brunswick, N. J.	25,855		1						3	
Newburyport, Mass.	15,291	3								
New Castle, Pa.	41,915		1				3		11	
New Haven, Conn.	152,275	24								2
New Orleans, La.	377,010	116	4						21	12
Newport, Ky.	32,133	9								
Newport News, Va.	22,622	9			1				1	
Newport, R. I.	30,585	5					2			
Newton, Mass.	44,345	9			2				2	
New York, N. Y.	5,737,492	1,091	162	11	64	2	21	1	245	124
Niagara Falls, N. Y.	38,466	13	5		5				1	
Norfolk, Va.	91,148		1				2			
Norristown, Pa.	31,969		3							
North Adams, Mass.	123,019	6							3	2
Northampton, Mass.	20,006	10								
North Attleboro, Mass.	11,248	1	1							
North Little Rock, Ark.	15,515	0								
North Tonawanda, N. Y.	14,060	4							1	
Norwalk, Conn.	27,332								3	
Norwich, Conn.	21,923		1						4	
Norwood, Ohio.	23,269	2								
Oakland, Calif.	206,405	39					3		2	2
Oak Park, Ill.	27,816	8							1	1
Ogden, Utah.	32,343	6	1							
Oil City, Pa.	20,162		1		1					
Oklahoma City, Okla.	97,588	15	1	1						
Olean, N. Y.	16,927	8								
Omaha, Nebr.	177,777	31	2	1			1			6
Orange, N. J.	33,636	8	1						3	1
Oshkosh, Wis.	36,549						1		1	
Parkersburg, W. Va.	21,059	7	2	1						
Parsons, Kans.	15,952						1			
Pasadena, Calif.	49,620	6							4	2
Pascale, N. J.	74,478	8	3	1	1		1		2	
Paterson, N. J.	140,512		3				1		4	
Peekskill, N. Y.	19,034	3								
Peoria, Ill.	72,184	14	5	1			1			
Perth Amboy, N. J.	42,646	9	1						1	1
Philadelphia, Pa.	1,735,514		55	3	41		19		117	43
Phillipsburg, N. J.	15,879	3	1							
Piqua, Ohio.	14,275	3								
Pittsburgh, Pa.	586,196		27		10		8		33	
Pittsfield, Mass.	39,678	3							1	
Pittston, Pa.	18,975		2		1					
Plainfield, N. J.	24,330	2			1				2	
Plattsburg, N. Y.	13,111	4								
Plymouth, Mass.	14,001	3								
Pontiac, Mich.	18,006	10	8		12				1	2
Portland, Me.	64,720	23					4			1
Portland, Oreg.	308,399	52	1				5		8	8
Portsmouth, N. H.	11,730								1	
Portsmouth, Va.	40,693	20							2	1
Pottsville, Pa.	22,717		1						1	
Poughkeepsie, N. Y.	30,786	6							3	
Providence, R. I.	259,895	34	9		1		3	1		1
Pueblo, Colo.	56,084	0								
Quincy, Ill.	36,832	8	1							
Quincy, Mass.	39,022	6	2				6			
Racine, Wis.	47,465	11								
Raleigh, N. C.	20,274	9								1
Reading, Pa.	111,607		3				1		2	
Redlands, Calif.	14,573	4								1
Reno, Nev.	15,514	2								
Richmond, Va.	158,702	48	6		2		5		19	4
Riverside, Calif.	20,496	3	1						1	
Roanoke, Va.	46,282	11					2			

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Aug. 9, 1919—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.
Rochester, N. Y.	264,714	55	8	1	2		3		7	2
Rockford, Ill.	56,739	5	1							
Rock Island, Ill.	29,452	7							1	
Rocky Mount, N. C.	12,673	3								
Rome, Ga.	15,607		4							
Rome, N. Y.	24,259		2							
Rutland, Vt.	15,038	1								
Sacramento, Calif.	68,984	15								1
Saginaw, Mich.	56,469	14			2					
St. Cloud, Minn.	12,013								1	
St. Joseph, Mo.	86,498	38					1			3
St. Louis, Mo.	768,630	157	21	3	9		7		37	13
St. Paul, Minn.	252,465	43	17				6		8	6
Salem, Mass.	49,346	4								1
Salt Lake City, Utah.	121,623	21	2		2				2	
San Bernardino, Calif.	17,616	8								2
San Diego, Calif.	56,412	20								3
Sandusky, Ohio.	20,226	6	1						1	1
Sanford, Me.	11,717	2								
San Francisco, Calif.	471,023	111	11		9		3		21	14
San Jose, Calif.	39,810				1					
Santa Barbara, Calif.	15,360	2								
Santa Cruz, Calif.	15,150	1								
Saratoga Springs, N. Y.	13,839	7							1	
Saugus, Mass.	10,210	6	2							
Sault Ste. Marie, Mich.	14,130	3								
Schenectady, N. Y.	103,774		3		1		3		6	1
Scranton, Pa.	149,541		3		1		1		1	
Seattle, Wash.	266,445		4		2		2			
Shamokin, Pa.	21,274		5		13					
Shenandoah, Pa.	23,753		2		3		2		4	
Somerville, Mass.	88,618	9	3						5	2
South Bend, Ind.	70,967	16	1							2
Southbridge, Mass.	14,465	6								
Spartanburg, S. C.	21,985	6								1
Spokane, Wash.	157,656		1		2		1			
Springfield, Ill.	62,623	15	1				3			
Springfield, Mass.	108,668	30		1	1		1		3	2
Springfield, Mo.	41,169	16								2
Springfield, Ohio.	52,296	11							2	1
Stamford, Conn.	31,810								1	
Steelton, Pa.	15,759								2	
Steubenville, Ohio.	28,259	13	1				2		2	
Stockton, Calif.	36,209	7	1							
Sunbury, Pa.	16,661		1							
Superior, Wis.	47,167	6	1				4			
Syracuse, N. Y.	158,559	42	2				1		2	2
Tacoma, Wash.	117,446		6							
Taunton, Mass.	36,610	11							3	1
Terre Haute, Ind.	67,361	13		1						2
Toledo, Ohio.	202,010	55	4		27		5		12	10
Topeka, Kans.	49,538	17							2	3
Trenton, N. J.	113,974	37			11	1	2		6	3
Troy, N. Y.	78,094	20							5	
Tulsa, Okla.	32,507		1						1	
Vallejo, Calif.	13,803	5								1
Vancouver, Wash.	13,805		1				1			
Waco, Tex.	34,015	10	3							
Wallingford, Conn. (Bor.).	10,115								1	
Waltham, Mass.	31,011	3			1					
Warren, Pa.	15,083		1							
Washington, Pa.	22,076		4						5	
Waterbury, Conn.	89,201		2		1		1		1	1
Watertown, Mass.	15,178	3	1						1	
Watertown, N. Y.	30,404		2				2		1	
Wausau, Wis.	19,666	3					1			
West Chester, Pa.	13,403		1				2		1	
Westfield, Mass.	18,769	3	1				4			
West Hoboken, N. J.	44,386	5							1	1
West New York, N. J.	19,613	4	1							
West Orange, N. J.	13,934	1	2						2	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Contd.**City Reports for Week Ended Aug. 9, 1919—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.
Wheeling, W. Va.	43,657	11	—	—	1	—	1	—	—	—
Wichita, Kans.	73,597	34	2	—	—	—	—	—	3	—
Wilkes-Barre, Pa.	78,334	—	7	—	5	—	3	—	8	—
Williamsport, Pa.	34,123	—	1	—	—	—	1	—	—	—
Wilmington, Del.	95,369	17	—	—	—	—	1	—	—	—
Wilmington, N. C.	30,400	7	—	—	—	—	1	—	—	2
Winchester, Mass.	10,812	—	—	—	—	—	—	—	1	—
Winston-Salem, N. C.	33,136	15	1	—	—	—	—	—	2	—
Woburn, Mass.	16,076	4	—	—	—	—	—	—	—	1
Worcester, Mass.	166,106	39	1	—	1	—	1	—	3	6
Yonkers, N. Y.	103,066	15	9	—	—	—	—	—	—	2
York, Pa.	52,770	—	1	—	—	—	2	—	2	—
Youngstown, Ohio.	112,282	25	2	—	1	1	—	—	2	4
Zanesville, Ohio.	31,320	9	1	—	—	—	1	—	—	2

FOREIGN.

CHILE.

Plague—Antofagasta.

Reports have been received indicating the continuous presence of plague at Antofagasta, Chile, during the period January-June, 1919.

CUBA.

Communicable Diseases—Habana and Regla.

Communicable diseases have been notified at Habana and Regla as follows:

Disease.	June 11-20, 1919.		Remain- ing under treatment June 20, 1919.	Disease.	June 11-20, 1919.		Remain- ing under treatment June 20, 1919.
	New cases.	Deaths.			New cases.	Deaths.	
Broncho-pneu- monia.....	4	4	.....	Lethargic enceph- alitis.....	1	.....	¹ 1
Diphtheria.....	2	.....	6	Malaria.....	11	.....	² 21
Glanders.....	1	.....	1	Paratyphoid fever.	1	.....	1
Influenza.....	1	.....	.....	Scarlet fever.....	1	.....	2
Leprosy.....	1	.....	18	Typhoid fever.....	17	5	³ 63

¹ From the interior, 1.

² From the interior, 18.

³ From the interior, 26; foreign, 1.

UNION OF SOUTH AFRICA.

Further Relative to Influenza—Johannesburg.¹

During the month of May, 1919, influenza was reported to be prevalent in Johannesburg and the surrounding country.

VIRGIN ISLANDS.

Influenza—September-December, 1918.

During the four months ended December 31, 1918, about 300 cases of influenza were reported in the Virgin Islands. Quarantine restrictions were imposed against all persons coming from Porto Rico during the height of the epidemic on account of the widespread prevalence of the disease in that island. The local authorities closed all schools, churches, and places of general assembly during the epidemic prevalence.

¹ Public Health Reports, Aug. 1, 1919, p. 1735.

VIRGIN ISLANDS—Continued.

Contagious Diseases—July, 1919.

The occurrence of contagious diseases in the Virgin Islands during the month of July, 1919, has been reported as follows:

In the islands of St. Thomas and St. John:

Chancroid	5
Chicken pox	1
Gonorrhea	4
Syphilis	7
Trachoma	4
Tuberculosis of peritoneum	1
Uncinariasis	2

In the island of Santa Cruz:

Amebic dysentery	1
Chancroid	2
Filariasis	22
Gonorrhea	5
Mumps	4
Pellagra	2
Syphilis	6
Tuberculosis, pulmonary	5

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

Reports Received During Week Ended Aug. 29, 1919.¹

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Swatow	June 29-July 12	54		
Tsingtao	July 6-12	1		
India:				
Bombay	June 15-28	23	15	
Calcutta	June 29-July 5		21	
Madras	July 6-12	8	6	
Rangoon	June 15-21	10	8	
Indo-China:				
Cochin-China—				
Saigon	June 23-29	56	40	
Java:				
West Java				June 6-12, 1919: Cases, 36; deaths, 23.
Philippine Islands:				
Manila	June 23-28	4	3	
Do	June 29-July 12	54	28	
Provinces				June 29-July 5, 1919: Cases, 299; deaths, 203.
Batangas	June 29-July 5	44	27	
Bohol	do	4	4	
Bulacan	do	26	17	
Cavite	do	21	12	
Cebu	do	17	8	
Nueva Ecija	do	36	22	
Pampanga	do	38	30	
Pangasinan	do	70	48	
Tayabas	do	43	35	
Provinces				July 6-12, 1919: Cases, 737; deaths, 514.
Bataan	July 6-12	2	2	
Batangas	do	64	46	
Bulacan	do	45	26	
Cavite	do	27	18	
Cebu	do	43	20	
Iloilo	do	4	4	

¹From 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 Aug. 29, 1919—Continued:

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Contd.				
Laguna.....	do.....	6	6	
Mountain.....	do.....	9	2	
Nueva Ecija.....	do.....	51	38	
Pampanga.....	do.....	109	81	
Pangasinan.....	do.....	265	189	
Rizal.....	do.....	51	31	
Tayabas.....	do.....	35	32	
Union.....	do.....	26	19	
Siam:				
Bangkok.....	June 8-21.....		27	

PLAGUE.

Egypt.....				Jan. 1-July 2, 1919: Cases, 674; deaths, 371.
Cities:				
Port Said.....	June 27-28.....		2	
Provinces:				
Assiout.....	June 26-July 1.....	9	5	
Fayoum.....	June 6.....	1		
Girgeh.....	June 30-July 2.....	22	22	
Minieh.....	June 28-July 2.....	4	2	1 European.
India.....	June 15-28.....	479	427	
Bombay.....	June 15-28.....	12		
Calcutta.....	June 28-July 5.....		3	
Karachi.....	June 29-July 12.....	12	13	
Madras.....	July 6-12.....	65	33	Presidency.
Rangoon.....	June 15-21.....	5	5	
Indo-China:				
Cochin-China—				
Saigon.....	June 23-29.....	5	4	
Mesopotamia:				
Bagdad.....	June 14-20.....	29	23	

SMALLPOX.

Canada:				
Nova Scotia—				
Bridgenorth.....	Aug. 3-9.....			Present. Present in Antigonish and Victoria counties.
Halifax.....	do.....	5		
Prince Edward Island—				
Charlottetown.....	do.....	2		
China:				
Chungking.....	June 29-July 5.....			Present.
Nanking.....	June 29-July 12.....			Do.
Cuba:				
Habana.....	Aug. 14.....	1		Secondary to case reported Aug. 2. (P.H.R., Aug. 22, 1919, p. 1961).
Egypt:				
Alexandria.....	July 16-22.....	28	13	
Cairo.....	Mar. 12-Apr. 1.....	130	28	
France:				
Marseille.....	June 1-30.....		3	
Paris.....	June 29-July 19.....	26	5	
India:				
Bombay.....	June 15-28.....	38	38	
Calcutta.....	June 29-July 5.....		24	
Madras.....	July 6-12.....	53	28	
Rangoon.....	June 15-21.....	7	3	
Italy:				
Milan.....	May 1-31.....	28	3	
Turin.....	July 14-27.....	3		
Japan:				
Kobe.....	July 6-12.....	4		
Java:				
West Java.....	June 6-19.....	128	24	
Malta.....	May 1-31.....	1		
Manchuria:				
Mukden.....	July 6-12.....			Present.
Spain:				
Almeria.....	June 17.....	20	1	
Barcelona.....	June 26-July 16.....		12	
Valencia.....	July 6-19.....	37	8	
Union of South Africa:				
Johannesburg.....	May 1-31.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received During Week Ended Aug. 29, 1919—Continued.****TYPHUS FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Antung.....	July 6-20.....	2	.....
Egypt:				
Alexandria.....	July 16-22.....	67	29	
Cairo.....	Mar. 12-Apr. 1....	356	122	
Port Said.....	Mar. 20-Apr. 1....	1	1	
Japan:				
Nagasaki.....	July 14-20.....	3	2	
Mesopotamia:				
Bagdad.....	June 14-20.....	1	1	
Mexico:				
San Luis Potosi.....	Aug. 3-9.....	.....	.....	Present.
Tunis:				
Tunis.....	July 20-26.....	2	.....

Reports Received from June 28 to Aug. 22, 1919.**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Apr. 20-26.....	10	.....
China:				
Amoy.....	June 17-23.....	.....	3	Chinese report.
Canton.....	June 8-21.....	10	3	
Do.....	Aug. 8.....	.....	.....	Present in foreign section, Island of Sha-mien.
Foochow.....	July 3.....	.....	.....	Present.
Swatow.....	May 25-June 28....	.....	90	
Chosen (Korea):	Aug. 15.....	3	.....
India:				
Bombay.....	Apr. 28-June 14....	44	31	
Calcutta.....	May 4-June 21....	.....	617	
Madras.....	May 18-24.....	10	8	Jan. 19-25, 1919: Cases, 113; deaths, 75.
Rangoon.....	Apr. 28-June 14....	79	58	
Indo China:				
Cochin-China—				
Saigon.....	Apr. 21-June 22....	330	232	City and district.
Japan:				
Pescadore Islands	July 14.....	40	.....	In one village.
Taiwan Island—				
Keelung.....	Aug. 8.....	.....	.....	Present in vicinity.
Taihoku.....	do.....	.....	.....	Present.
Java:				
East Java.....				Apr. 2-June 3, 1919: Cases, 576; deaths, 476.
Surabaya.....	Apr. 23-June 3....	83	66	
Mid Java.....				Mar. 28-Apr. 24, 1919: Cases, 1,595; deaths, 1,225.
Samarang.....	Mar. 28-Apr. 24....	77	73	
West Java.....				May 2-June 3, 1919: Cases, 70; deaths, 43.
Batavia.....	May 2-June 5.....	12	5	
Manchuria:				
Dairen.....	Aug. 12.....	.....	.....	Present.
Harbin.....	Aug. 7.....	.....	.....	Present and in surrounding country. Aug. 14: Epidemic, with an estimated number of from 150 to 200 deaths.
Persia:				
Ardebil.....	May 2.....	.....	.....	Present.
Enzeli.....	Apr. 23.....	1	.....
Khorram-Ahab.....	May 3.....	.....	.....	Outbreak.
Mianedge.....	Apr. 28.....	.....	.....	Do.
Zindjan.....	Apr. 21-May 4.....	.....	49	
Philippine Islands:				
Manila.....	Apr. 26-May 31....	7	2	
Provinces:				
Batangas.....	May 4-24.....	25	23	May 4-24, 1919: Cases, 567; deaths, 383.
Bulacan.....	do.....	48	25	
Cebu.....	do.....	162	84	
Laguna.....	do.....	20	15	
Mindoro.....	do.....	19	14	
Misamis.....	do.....	9	2	
Pampanga.....	do.....	166	131	
Tayabas.....	do.....	118	89	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 22, 1919—Continued.****CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Provinces.....				June 1-28, 1919: Cases, 615; deaths, 435.
Batangas.....	June 1-28.....	79	61	
Bohol.....	June 15-28.....	11	8	
Bulacan.....	June 1-28.....	63	27	
Cavite.....	June 8-28.....	23	14	
Cebu.....	June 22-28.....	24	11	
Laguna.....	June 8-21.....	16	13	
Ilocos Sur.....	June 15-21.....	1		
Nueva Ecija.....	June 1-28.....	60	39	
Pampanga.....	.....do.....	105	79	
Pangasinan.....	June 8-28.....	113	81	
Tavabas.....	.....do.....	108	81	
Union.....	June 22-28.....	7	7	
Siam:				
Bangkok.....	Apr. 12-May 17...	...	693	

PLAGUE.

China:				
Amoy.....	June 17-23.....		1	
Canton.....	May 25-June 28.....			Present. Apr. 27-May 10, 1919: Cases, 3; present May 24-June 7, 1919. Do.
Foochow.....	May 18-24.....			
Hongkong.....	June 15-28.....	69	43	
Ecuador:				
Guayaquil.....	June 16-30.....	2	1	
Posorja.....	June 1-30.....	3	1	Bathing place 65 kilometers from Guayaquil.
Egypt:				Jan 1-July 9, 1919: Cases, 691; deaths, 331.
Cities—				
Cairo.....	May 15.....		1	
Kantarah.....	June 19-20.....	4	2	Two European. Septicemic.
Port Said.....	May 1-4.....	1	2	
Do.....	July 4-9.....	2	3	
Suez.....	June 5-11.....	3	3	
Provinces—				
Assiout.....	May 17-July 5.....	83	42	
Beni-Souef.....	May 19-June 21.....	6	5	
Fayoum.....	May 18-July 5.....	9	7	
Girgeh.....	May 15-July 8.....	10	10	
Menoufia.....	June 8-24.....	5	1	
Minieh.....	May 24-July 7.....	32	12	
Great Britain:				
Liverpool.....	July 30.....	1	1	In dock laborer.
Hawaii:				
Ah Poi Camp.....	Aug. 9.....	1	1	
Panohau.....	July 19.....	1		
India:				Apr. 27-June 14, 1919: Cases, 8,166; deaths, 6,506.
Bombay.....	Apr. 28-June 14.....	266	189	
Calcutta.....	May 18-June 14.....		38	
Karachi.....	May 18-June 21.....	144	131	
Madras.....				Jan. 19-25, 1919: Cases, 2; deaths, 1.
Madras Presidency.....				Jan. 19-25, 1919: Cases, 586; deaths, 347.
Rangoon.....	Apr. 28-June 14.....	51	40	
Indo-China:				
Cochin China—				
Saigon.....	Apr. 21-June 22.....	26	18	City and district.
Japan:				
Yokohama.....	June 9-15.....	1	1	
Java:				
East Java.....				Apr. 8-June 3, 1919: Cases, 95; deaths, 95.
Surabaya.....	Apr. 23-June 3.....	7	7	
Mesopotamia:				
Bagdad.....	Apr. 19-June 6.....	317	246	
Basra.....	May 3-10.....	108	89	Including suburb of Ashar. Total from date of outbreak to May 19, 1919, 238 cases.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 22, 1919—Continued.****PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Siam:				
Bangkok.....	Apr. 27-May 17...	2	2	
Straits Settlements:				
Singapore.....	Apr. 13-26.....	2	1	
On vessel:				
S. S. City of Sparta.....	Apr. 19-21.....	1	1	From Bombay Apr. 3, 1919: Case, a soldier; at sea.
Do.....	May 13-17.....	1	1	At Liverpool: Case, a native member of the crew. (Public Health Reports, June 27, 1919, p. 1463.)

SMALLPOX.

Algeria:				
Algiers.....	June 1-30.....	1	1	
Arabia:				
Aden.....	May 13-19.....		1	
Austria:				Mar. 9-Apr. 5, 1919: Cases, 92.
Salsburg.....	Mar. 9-Apr. 5.....	50		
Vienna.....	do.....	17		
Azores:				
St. Michaels.....	June 7-20.....	1		
Brazil:				
Bahia.....	Apr. 20-June 7.....	4		
Pernambuco.....	May 4-25.....	5		Jan. 1-May 3, 1919: Cases, 10.
Rio de Janeiro.....	May 11-June 21.....	61	20	
Canada:				
British Columbia—				
Vancouver.....	June 15-July 5.....	4		
New Brunswick—				
Campbellton.....	June 15-21.....	1		
Moncton.....	July 6-12.....	1		
St. John.....	July 27-Aug. 2.....	1		
Nova Scotia—				
Cities.....				
Bridgenorth.....	July 27-Aug. 2.....			A few cases; mild.
Halifax.....	June 15-Aug. 2.....	123		
Sydney.....	June 8-21.....	3		
Counties.....				
Antigonish.....	June 22-Aug. 9.....			Present.
Colchester.....	do.....			Do.
Cumberland.....	do.....			Do.
Guysborough.....	do.....			Do.
Halifax.....	do.....			Do.
Hants.....	do.....			Do.
Lunenburg.....	do.....			Do.
Pictou.....	July 20-26.....			Do. Also on Cape Breton Island.
Ontario—				
Province.....				May 1-June 30, 1919: Cases, 166; deaths, 4.
Hamilton.....	June 29-Aug. 2.....	2		
Harwich.....	May 1-31.....	14	2	Township in Kent County.
Ottawa.....	June 15-July 5.....	4		
Peterborough.....	June 15-21.....	4		
Walpole Island.....	May 1-31.....	42		Kent County. Island in Lake St. Clair. Among Indians.
Prince Edward Island—				
Charlottetown.....	July 16-19.....	6		
Quebec—				
Montreal.....	June 8-28.....	18		
Quebec.....	June 29-July 19.....	8		June 8-14, 1919: 10 cases on incoming vessels.
Restigouche.....	June 15-July 31.....	40		Estimated. On Indian reserve.
Ceylon:				
Colombo.....	May 1-31.....	4		June 17-23: Present.
China:				
Amoy.....	May 20-June 16.....		13	
Canton.....	May 18-June 21.....			Present.
Chefoo.....	June 8-21.....			Do.
Chungking.....	May 4-June 28.....			Do.
Foochow.....	May 18-July 5.....			Do.
Hongkong.....	May 18-June 7.....	4	4	Do.
Nanking.....	May 25-June 28.....			Do.
Chosen (Korea):				
Chemulpo.....	Apr. 1-May 31.....	19	4	
Fusan.....	do.....	294	81	
Seoul.....	do.....	3	1	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 22, 1919—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Cuba:				
Habana.....	Aug. 2.....	1		From s. s. Venezia, from Spanish ports; arrived Habana about July 20, 1919.
Czecho-Slovakia:				
Prague.....	May 18-June 21.....	11	2	
Egypt:				
Alexandria.....	May 14-July 8.....	331	135	
Cairo.....	Jan. 2-Mar. 11.....	104	15	
Finland.				Apr. 16-May 31, 1919: Cases, 357.
Provinces—				
Abo Och Bjorneborg.....	Apr. 16-May 31.....	8		
Kuopio.....	do.....	45		
Nyland.....	do.....	9		
St. Michael.....	do.....	51		
Tavastehus.....	do.....	30		
Vasa.....	do.....	7		
Viborg.....	do.....	196		
France:				
Havre.....	May 23-30.....	1		
Marseille.....	May 1-31.....		2	
Paris.....	May 11-June 28.....	17	6	
Gibraltar.....	June 28-July 5.....		2	One from Bay.
Great Britain:				
Cardiff.....	June 15-July 19.....	7		
Dundee.....	June 1-7.....	1		
Glasgow.....	June 8-21.....	5		
Liverpool.....	June 22-28.....	1		
Do.....	June 29-July 5.....	4		
London.....	May 25-July 5.....	12		
Greece:				
Saloniki.....	May 15-June 7.....		28	
India:				
Bombay.....	Apr. 28-June 14.....	674	245	
Calcutta.....	May 4-June 21.....		444	
Karachi.....	May 4-June 21.....	28	17	
Madras.....	May 18-24.....	23	11	Jan. 19-25, 1919: Cases, 29; deaths, 25.
Rangoon.....	Apr. 28-June 14.....	173	81	
Indo China:				
Cochin China—				
Saigon.....	Apr. 21-May 18.....	11	4	City and district.
Italy:				
Leghorn.....	June 16-29.....	2		
Messina.....	June 1-21.....	13		Province, June 8-21, 1919: Cases 23; deaths, 3.
Do.....	June 29-July 5.....	32	7	
Milan.....	Mar. 1-Apr. 30.....	20	5	
Milazzo.....	June 1-7.....	1	1	
Naples.....	June 2-29.....	103	91	
Do.....	June 30-July 20.....	15	22	
Palermo.....	May 2-June 20.....	39	5	
Turin.....	May 18-June 29.....	5	1	
Do.....	July 6-13.....	1		
Venice.....	May 26-June 1.....	2		
Japan:				
Kobe.....	May 4-July 5.....	165	74	
Nagoya.....	June 1-7.....	1	1	
Taiwan Island.....	May 21-July 1.....	10	5	Entire island.
Tokyo.....	May 1-June 5.....	2		
Yokohama.....	May 26-June 1.....	1		
Java:				
East Java.....				Apr. 9-June 3, 1919: Cases, 3.
Surabaya.....	May 27-June 3.....	2		
West Java.....				May 2-June 5, 1919: Cases, 419; deaths, 81.
Batava.....	Apr. 18-June 5.....	4	1	
Manchuria:				
Dairen.....	May 13-June 2.....	3	2	
Mesopotamia:				
Bagdad.....	May 29-30.....	1		
Mexico:				
Cananea.....	Feb. 1-28.....	7		State of Sonora.
Do.....	Apr. 1-30.....	1		
Mexico City.....	June 1-28.....	20	1	
Do.....	June 29-July 5.....	2		
Piedras Negras.....	June 22-28.....	2	2	
San Jeronimo.....	June 17-30.....	5		In State of Oaxaca.
Vera Cruz.....	July 6-19.....	4		
Do.....	June 29-July 5.....	2		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 22, 1919—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland: St. Johns.....	June 13-July 4....	3	.....	June 13-27, 1919: Outports, 372 cases. June 28-Aug. 8, 1919: Cases, 37.
Philippine Islands: Manila.....	May 11-17.....	1	.....
Portugal: Oporto.....	June 1-28.....	25	13	
Do.....	June 29-July 12....	13	11	
Portuguese East Africa: Lourenco Marques.....	Apr. 1-May 31.....	2	1	
Siberia: Vladivostok.....	June 8-15.....	23	.....
Spain: Almeria.....	May 18-June 16....	48	5	
Barcelona.....	May 15-June 19....	3	6	
Bilboa.....	May 1-10.....	1	.....
Cadiz.....	Apr. 1-May 31.....	.....	5	
Madrid.....	May 1-31.....	3	.....
Seville.....	May 1-31.....	.....	1	
Valencia.....	May 11-June 29....	233	15	
Vigo.....	Apr. 12.....	2	.....	From vessel. Mar. 22, 1919: Present in villages in vicinity. June 22-28, 1919: Present in surrounding country. June 29-July 12: Present in surrounding country.
Straits Settlements: Singapore.....	Mar. 24-May 17....	6	3	
Tunis: Tunis.....	June 15-28.....	2	1	
Do.....	June 29-July 5....	3	2	
On vessels: S. S. Eastern.....	Apr. 25-26.....	2	1	Death at sea. Second case landed at Woodman's Quarantine Station, Fremantle, Australia, Apr. 29. Vessel from England via Egypt and Colombo.
S. S. Karoa.....	Apr. 19.....	1	.....	Landed at Colombo. Vessel from the United Kingdom via Egypt and Colombo.
S. S. Khyber.....	Apr. 10-May 4....	4	.....	From Liverpool, via Port Said, Suez, and Colombo. One case landed at Port Said Apr. 10, 2 cases at Colombo Apr. 22, 1 at quarantine, Fremantle, Australia, May 4, 1919.

TYPHUS FEVER.

Algeria: Algiers.....	May 1-June 30....	82	11	
Austria: Vienna.....	Mar. 23-Apr. 5....	9	.....	Mar. 23-Apr. 5, 1919: Cases, 118.
Brazil: Rio de Janeiro.....	May 4-June 21....	3	.....	Mar. 30-Apr. 5, 1919: Cases, 2
China: Changsha.....	May 11-17.....	1	1	
Chosen (Korea): Chemulpo.....	Apr. 1-May 31.....	54	8	
Fusan.....	May 1-31.....	4	1	
Seoul.....	Apr. 1-May 31.....	79	14	
Colombia: Barranquilla.....	July 12-19.....	.....	1	
Czecho-Slovakia: Prague.....	May 18-24.....	1	.....
Egypt: Alexandria.....	May 14-June 24....	425	236	
Do.....	June 28-July 5....	262	88	
Cairo.....	Jan. 2-Mar. 11....	240	115	
Port Said.....	Jan. 9-Mar. 4....	6	4	

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

Reports Received from June 28 to Aug. 22, 1919—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Finland.				Apr. 16-May 31, 1919: Cases, 16.
Provinces—				
Abo Och Bjorneborg...	May 15.	1		
Nyland.	Apr. 16-May 31.	4		
St. Michael.	Apr. 16-May 15.	8		
Viborg.	do.	3		
Germany.	Jan. 12-Feb. 22.	344		Military.
Do.	Feb. 23-Mar. 22.	220		Civil.
Do.	Mar. 23-Apr. 12.	333		Civil, military, prisoners of war, desertors.
Do.	Apr. 13-26.	62		55 cases among German troops and 7 among prisoners of war.
Do.	Apr. 27-May 17.	126		Of these, 90 among Polish workmen and Russians; during same period, 195 cases among German troops and prisoners of war. In addition, Apr. 1-26, 41 cases were notified among Polish workmen and refugees.
Great Britain:				
Glasgow.	June 8-July 5.	13	2	
Dundee.	June 30-July 5.	3		
Greece:				
Saloniki.	May 15-June 7.		5	
Hungary.				Feb. 24-May 9, 1919: Cases, 258.
Budapest.	Feb. 24-May 9.	124	6	
Debreczin.	do.	42		
Italy.				Apr. 28-June 8, 1919: Cases, 3,470—Austrian prisoners, 3,321; Italian soldiers, 82; civil population, 67.
Do.				June 9-15, 1919: Present in 14 Provinces with 761 cases, viz, Austrian prisoners, 631; Italian soldiers, 23; Roumanian soldiers, 97; civil population, 10.
Do.				June 16-22, 1919: Present in 12 Provinces, with 127 cases, viz, Austrian prisoners, 102; Italian soldiers, 8; civil population, 12; Roumanian soldiers, 5.
Do.				June 23-29, 1919: Present in 14 Provinces, with 117 cases, viz, Austrian prisoners, 107; Italian soldiers, 3; civil population, 7.
Genoa.	June 25-July 1.	62		17 Austrian prisoners.
Naples.	May 12-June 22.	50	16	
Do.	June 30-July 20.	11	1	
Venice.	Apr. 27-June 14.	58	9	
Do.	June 30-July 6.	6		
Trieste.	June 6-12.	1		
Japan:				
Nagasaki.	June 16-July 1.	3		
Mesopotamia:				
Bagdad.	Apr. 19-June 6.	34	22	
Mexico:				
Mexico City.	May 4-July 19.	261		
San Luis Potosi.	July 27-Aug. 2.			Present, and in surrounding country.
Newfoundland:				
St. Johns.	June 21-27.	1		From vessel.
Palestine:				
Jaffa.				Oct. 22-Dec. 22, 1918: Cases, 8; deaths, 3.
Portugal:				
Lisbon.	June 22-28.	1		
Oporto.	June 1-15.	52		
Do.	June 30-July 19.	62	17	
Russia:				
Archangel.	May 15-June 1.	9	2	
Siberia:				
Vladivostok.	June 9-15.	90		
Spain:				
Barcelona.	May 15-21.		1	
Madrid.	May 1-31.		1	
Tunis:				
Tunis.	May 24-June 21.	3	1	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from June 28 to Aug. 22, 1919—Continued.****YELLOW FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Apr. 12-June 14...	48	15	Jan. 12-May 17, 1919: Cases, 43; deaths, 25. July 29, 1919, reported seriously prevalent in States of Bahia and Pernambuco.
Canal Zone.....	Aug. 10-12.....	1	1	At quarantine.
Ecuador:				
Guayaquil.....	May 1-31.....	1	1	
Naranjito.....	May 1-June 15....	2	1	
Mexico:				
Merida.....	June 30-July 26...	17	7	State of Yucatan.
Peru:				
Palta.....	July 10-22.....	8	5	Department of Piura.
Piura.....	....do.....	46	10	Do.
Salvador:				
La Union.....	July 6.....	2	.....
St. Miguel.....	June 24-July 6....	4	.....
San Salvador.....	....do.....	1	1	75 miles from city of San Salvador.