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CONFERENCE OF HEALTH AUTHORITIES.

STATE AND TERRITORIAL HEALTH AUTHORITIES IN ANNUAL CONFERENCE WITH THE UNITED STATES PUBLIC HEALTH SERVICE.

The Seventeenth Annual Conference of State and Territorial Health Authorities with the Public Health Service was held on June 4 and 5, 1919, at 228 First Street NW., Washington, D. C., with Surg. Gen. Rupert Blue in the chair. Forty-one States were represented at the conference.

The following resolution, indorsing the principle of Federal aid extension in rural sanitation, was unanimously adopted by the conference:

Resolved, That it is the sense of the conference of the United States Public Health Service with the State and Territorial health authorities meeting in Washington, June 4 and 5, 1919, that on account of the greatly accentuated popular interest in public health work incident to the examination and findings by draft boards, of widespread physical impairment among millions of apparently healthy registrants, and because of the present pronounced restlessness of rural local governments for breaking away from their former attitude of indifference to adequate measures of human conservation and in undertaking with or without the guidance of experienced health agencies, hastily prepared and varied programs of rural health work, that the present moment is, of all times, the most opportune and crucial for Federal and State health authorities to take steps for assisting local rural governments in the development of an economic, efficient, and permanent system of rural health work; and,

Be it further resolved, That it is the sense of this conference that the best means for insuring the future of rural health work is the Federal aid extension principle of government (the wisdom and practicability of which has been demonstrated and established in providing for other rural needs, as in the matter of post roads, vocational education, and farm life demonstration work), as represented in H. R. 2845 recently introduced in the present Congress and entitled "The Rural Health Act."

The conference dealt primarily with questions involving the reorganization of public health activities following the war. Among the subjects which were taken up were malaria, child hygiene, problems in interstate health work, control of venereal diseases, public health education, the Sanitary Reserve Corps of the Public Health Service, railroad sanitation, and statistics relating to the 1920 census.

Standing committees on morbidity returns, sanitation of public conveyances, rural sanitation and trachoma, made their reports, and a special progress report was made by **Directing Zoologist (Reserve) C. W. Stiles**, chairman of a commission appointed by the Surgeon General to study the problem of sanitary disposal of human excreta in unsewered communities.

Among the interesting features of the conference were addresses by **Judge J. H. Moyle**, Assistant Secretary of the Treasury, in charge of the Public Health Service, **Col. W. H. Welch**, a representative of the Public Health Service at the recent conference of Red Cross societies held at Cannes, France, and **Dr. D. Z. Dunott**, chairman of the Committee on Health and Medical Relief of the United States Railroad Administration.

The program of the conference follows:

Opening remarks by the Surgeon General.

Roll call of delegates.

Appointment of committees.

Reports of Standing Committees.

Morbidity Returns.—**Dr. Eugene R. Kelley.**

Sanitation of Public Conveyances.—**Dr. Oscar Dowling.**

Rural Sanitation.—**Dr. W. S. Rankin.**

Trachoma.—**Dr. John McMullen.**

Special Report.

Progress report of commission appointed by the Surgeon General to study the problem of sanitary disposal of human excreta in unsewered communities.—**Prof. C.W. Stiles.**

Address by **Judge J. H. Moyle**, Assistant Secretary of the Treasury.

New Business.

Malaria:

Its Importance—National and State Problems Involved.

Necessity for Cooperative Plan of Attack Between Federal and State Governments.

Child Hygiene:

Necessity for a Nation-Wide Program of Child Hygiene by Cooperative Work Between the Federal and State Governments.

Statement by **Col. W. H. Welch** on League of Red Cross Societies.

Problems in Interstate Health Work:

Control of Water Supplies Used in Interstate Traffic.

Control of Interstate Spread of Disease.

Public Health Education—Program for cooperation with States.

The Sanitary Reserve Corps of the Public Health Service:

Discussion of Best Methods of Organization and Usage, with Particular Reference to State Health Departments.

Problems of Railroad Sanitation.

Discussion to be opened by members of the Committee on Health and Medical Relief, United States Railroad Administration.

Statistica, 1920 Census.)

Control of Venereal Diseases as a National Problem.

TRINITROTOLUENE POISONING.¹

By CARL VOEGTLIN, Professor of Pharmacology, C. W. HOOPER, Pathological Physiologist, and J. M. JOHNSON, Physiological Chemist, Hygienic Laboratory, United States Public Health Service.

Results of Experimental Study of Trinitrotoluene Poisoning.

The following conclusions were reached from an extensive study of chromic T. N. T. poisoning in dogs. The investigation was, later on, extended by work in a large shell-filling plant.

1. *Species susceptibility.*—Different species of animals (including man) exhibit considerable differences in their resistance to the toxic action of T. N. T. Dogs and cats (probably also men) are far more susceptible than white rats, guinea pigs, and rabbits. For this reason dogs were selected for this work.

2. *Symptoms.*—Cyanosis, constipation followed by diarrhea, salivation, incoordination, icterus, and anæmia were observed. The clinical picture very often changes during the course of poisoning. For instance, cyanosis, which is almost always present at the beginning of the intoxication, may disappear later on. A considerable loss of body weight was observed in some of the animals; in others there was a preliminary loss followed by recovery; in a few no change was noted until shortly before death.

3. *Absorption.*—T. N. T. is readily absorbed when administered subcutaneously, dissolved in oil, when given by mouth in gelatin capsules, and finally, when introduced as dust into the lower air passages. The blood plasma of animals receiving T. N. T. often yields a positive Webster test.

4. *Excretion.*—The urine of animals gives a positive Webster test within two or three hours following the administration of T. N. T. The color of the urine assumes a red appearance, the red disappearing on the addition of acid. This red color is quite characteristic of urine in the early stages of the intoxication. The substance which is responsible for the urinary Webster test is not T. N. T., but a metabolism product of the latter. In some cases bile removed at necropsy yields a positive Webster test, indicating that T. N. T. or some of its derivatives are excreted with the bile. The feces never give a positive Webster test. It is important to note that whereas the urinary Webster reaction is very intense at the beginning of the poisoning, the test is very often negative in the later stages. This observation seems to indicate that the animal body in some unknown way changes its method of dealing with this poison.

5. *Doses used.*—T. N. T. was given to dogs daily (excluding Sundays) over long periods and in doses of 5 to 33 milligrams per kilo body weight. The minimum toxic dose has not been determined,

¹ From a paper read at the annual meeting of the American Federation of Biological Societies in Baltimore, Md., April 24, 1919.

but it should be definitely stated that it is less than 5 milligrams per kilo (probably less than 180 milligrams for an adult man).

6. *Individual susceptibility*.—A striking feature of T. N. T. poisoning in dogs is the great difference in individual susceptibility to poisoning. An animal receiving 10 milligrams per kilo may show more severe symptoms than other animals receiving 30 milligrams per kilo. It is unlikely that this variation in individual susceptibility is due to differences in absorption. It was furthermore observed that animals with a slight grade of anæmia or of some infection are more susceptible to T. N. T. poisoning.

7. *Tolerance*.—Dogs receiving T. N. T. do not acquire a tolerance to this poison in the sense that they become immune to the toxic action of T. N. T. It was found, however, that, as a rule, the clinical symptoms are much more pronounced after the first few doses than later on. Thus the cyanosis and incoordination may disappear completely in the later stages of poisoning.

8. *Impurities*.—No qualitative or quantitative difference was observed in the toxic action of crude or highly purified T. N. T. The toxicity of the commercial product is due to trinitrotoluene per se and is not increased by the presence of small amounts of impurities.

9. *Prophylactic value of diet*.—Dogs fed on a meat diet are more resistant to T. N. T. poisoning than dogs which are fed white bread and milk. Meat has, therefore, greater prophylactic power than milk, as far as dogs are concerned.

10. *Anæmia and toxic jaundice*.—Every animal subjected to chronic T. N. T. poisoning has developed an anæmia of varying intensity. The following blood changes were observed: A reduction in the total blood volume, the red corpuscle volume, the hemoglobin and the pigment volume; the appearance of nucleated red blood cells and an increase in reticulated blood cells. Anisocytosis is very common, especially during the first few weeks of poisoning. Finally, the number of red blood cells shows a very considerable decrease. It should be emphasized, however, that certain animals may show a normal red-blood cell count at a time when other blood tests give evidence of the presence of a severe degree of anæmia.

Among the urinary changes observed should be mentioned the appearance of bile pigments. A considerable number of animals never show bile pigments in the urine. On the other hand, animals which develop jaundice always give a positive test for bile pigments during the period preceding the appearance of clinical signs of jaundice. Urine from T. N. T. dogs never contains more than traces of albumin, and the Fehling test is only slightly positive at times. No significance should be attached to these findings, as normal dog urine occasionally gives a faint test for protein and sugar.

11. *Necropsy findings.*—The gross pathological findings at necropsy are as follows: Decrease of muscular tissue, degeneration of liver, splenic tumor or decrease in size of spleen, occasionally general jaundice. The bone marrow has very often a hyperplastic appearance, while in other instances a fatty marrow is found.

12. *Experimental work on prevention of skin absorption.*¹—After considerable experimentation, a skin varnish was developed which appears to possess all the desirable features. The varnish is composed of 6 parts of shellac, 1 part of castor oil, and 24 parts of 95 per cent alcohol. This varnish when applied to the hands and forearms dries very easily. The brown film which is thus formed is flexible and does not peel off. It is resistant to perspiration and moisture. In other words, it has all the desirable physical properties of a protective varnish. Experiments made on rabbits and on the human skin with this varnish have demonstrated that the intense local irritation caused by the local application of "parazol" can be avoided. It is reasonable to assume that in a similar way skin absorption of T. N. T. could be prevented. The varnish is very easily removed from the skin by means of alcohol.

Another method of skin protection has been worked out by changing the composition of the above varnish for the purpose of producing an impermeable glove. Cotton gloves treated with a varnish of the following composition: Two parts shellac, 1 part castor oil, and 8 parts of alcohol, appear to be very satisfactory for use by T. N. T. workers. The texture of the glove remains fairly flexible, the varnish does not crack and is resistant and impermeable to water.

At the suggestion of Dr. Alice Hamilton, a number of T. N. T. solvents were tested as to their efficiency as a wash for T. N. T. workers. It was found that a 10 per cent solution of sodium hydro-sulphite is the best inorganic solvent known at the present time. The next best solvent is sodium sulphite. The solubilities of T. N. T. in these solvents at room temperature are as follows: 100 cc. 10 per cent. sodium hydrosulphite dissolves 0.128 gram of T. N. T. 100 cc. of 10 per cent sodium sulphite dissolves 0.082 gram of T. N. T.

Diagnosis and Measures of Protection and Precaution.

1. *Diagnostic tests for recognition of early poisoning.*—Anæmia is a constant and early sign of T. N. T. poisoning in animals. It is, therefore, recommended that an accurate hemoglobin estimation be made on all new workers entering a factory where T. N. T. is either manufactured or used for the production of munitions. As a reliable instrument for this purpose we recommend the Sahli hemoglobinometer. The blood of the workers should be tested by means

¹ The work on the protective varnish was carried out by Dr. George F. White under the direction of the senior author of this paper.

of this instrument every 8 to 14 days and workers showing a decrease of 15 to 20 per cent in the hemoglobin below the initial figure should be taken off T. N. T. work.

Work which was carried out in a large shell-filling plant has demonstrated the value of the hemoglobin determination for the recognition of mild poisoning.

Another test which should be made every 8 to 14 days is the examination of the urine for bile pigments. A positive test is sufficient reason to take a worker off T. N. T., as the appearance of bile pigments indicates a serious disturbance in the normal liver function, which may rapidly lead to toxic jaundice. For the bile pigment test we recommend the Huppert test or, when sufficient time is not available, Rosenbach's modification of Gmelin's test. In addition to these tests careful attention ought to be given to the presence of clinical symptoms, such as cyanosis and possibly slight incoordination. This last symptom hitherto has not been described for T. N. T. poisoning in man, but careful examination might reveal its presence in this condition.

2. *Meat and a generous diet.*—The dietary used by T. N. T. workers should be carefully supervised, as the experimental work has shown that the individual resistance to T. N. T. poisoning is dependent, at least to some extent, on the character of the diet. It is suggested that T. N. T. workers eat at least 150 to 200 grams of meat daily, besides other nourishing foods.

3. *Elimination of susceptible workers.*—The workers showing abnormal susceptibility should be eliminated. According to the report of the British Medical Research Committee, the abnormal susceptibility of certain workers is entirely due to their abnormally permeable skin. The present investigation has shown that there is a considerable variation in individual susceptibility, which is very probably not due to difference in absorption. However this may be, both views warrant the above-mentioned recommendation.

4. *Skin protection.*—In regard to the relative importance of the absorption of T. N. T. (1) through the skin and (2) the respiratory tract, the work done by Prof. E. B. Phelps and Sanitary Chemist E. J. Casselman has shown that the conclusion reached by the British investigators, namely, that skin absorption is the principal factor in the production of T. N. T. poisoning in the human, is correct. However, analyses in certain parts of the factory have demonstrated the presence of considerable amounts of T. N. T., a fact which should caution against neglecting proper ventilation of the plants.

As a protection against skin absorption of T. N. T. the use of the shellac-castor oil varnish is recommended, either as a skin varnish or for the purpose of the preparation of inexpensive impermeable

cotton gloves. The varnish is made up according to the following directions: 6 parts of orange shellac are dissolved in 24 parts of warm 95 per cent alcohol. To the resulting solution 1 part of castor oil is added. The varnish is kept in well stoppered bottles to prevent evaporation of the alcohol.

In addition to the use of the varnish or the impregnated cotton gloves, the workers should be made to wash their hands and fore-arms with a 10 per cent solution of sodium sulphite before leaving the factory.

A trial of the sulphite wash in a shell-filling plant has demonstrated that the workers are very anxious to use this prophylactic. Chemical analysis has shown that a considerable amount of T. N. T. can be removed from the human skin by this solvent, even after the skin has been thoroughly washed with soap and water.

5. *Exclusion of anæmic workers.*—Workers who show a slight grade of anæmia or any other symptoms which would indicate a lowered body resistance, should be rigidly excluded from contact with T. N. T.

The authors acknowledge excellent assistance rendered in this investigation by Drs. White and Mendenhall, Misses Crane, Connell, and Wright.

The detailed report will appear in the near future as a Hygienic Laboratory Bulletin.

MEDICAL SOCIAL SERVICE FOR NURSES.

The rapid extension of clinic service in connection with the control of venereal diseases, and the recognized importance of skilled follow-up work from every clinic, have led to the preparation of a special course in medical social service for graduate nurses.

This course has been arranged by the Public Health Service, in cooperation with Columbia University, Bellevue Hospital, and the New York School of Social Work. Provision for 15 scholarships has been made by the American Red Cross.

The course opens on July 1 and will continue for approximately four months. Its aim is to offer to qualified women who have had the scientific training of graduate nurse a view of the social problems implied in the control of venereal diseases. Already health departments have asked that at the completion of this course the graduate nurse be assigned to the departments for duty.

At Columbia University the course will be offered in connection with the summer's session at Teachers College, department of nursing and health. Since there is not in existence a group of teachers, whose special field is this—the social backgrounds of venereal diseases—the speakers will be drawn from the ranks of those who have

made special studies of individual aspects of the problem. This list already includes the following speakers:

Dr. Maurice A. Bigelow, Teachers College.

Asst. Surg. Gen. C. C. Pierce, Division of Venereal Diseases, United States Public Health Service.

Dr. Mabel S. Ulrich, United States Public Health Service.

Dr. E. L. Keyes, jr., Bellevue Hospital.

Dr. C.-E. A. Winslow, Yale University.

Mr. E. H. Pettit, New York School of Social Work.

Mr. E. F. Van Buskirk, United Public Health Service.

Other speakers will be announced at an early date.

The method of work includes a brief preliminary survey of the subject, which will cover the first week of the course.

At Bellevue Hospital selected clinics will be open to the attending students, and a preliminary discussion of the venereal diseases will be given by Dr. Keyes.

After the opening of the summer session at Columbia, students will attend certain lectures of the regular course at Teachers College, for which university credit may be claimed, as well as the special lectures on the social relationships of the venereal disease campaign. These special lectures will include a study of the causes, social and economic, of venereal diseases, and prevalence and distribution of these diseases so far as authentic information is available. The study of causes will include: The racial tendencies, conditions in home and family life, defective education, the nature of recreation and diversions offered for the leisure of young people, personal and community standards, conditions of country and city, and the problems of adolescence, low mentality, drug taking, alcohol, etc.

Another theme of the entire course is that of control and prevention of venereal diseases by administrative and educational means. Legislation—Federal, State, and municipal—in its various types and forms, and methods of enforcing legislation, together with the legal problems that arise as a result, will be considered. A clear explanation will be given of the organization and functions of departments of health—State or local—and of the United States Public Health Service and the special interrelationships of these departments in the control of venereal diseases will be emphasized.

Methods of education and suitable and effective means of publicity find a place on the program. A course of medical lectures will be given by Dr. Keyes, discussing more in detail the characteristics of the venereal diseases, and their treatment and control through clinics and follow-up work.

The closing weeks of the course will be spent in intensive study of social service in the clinics of Bellevue Hospital. Under the direction of the Social Service Department of the Hospital, students will

be given opportunity to study methods of social service in related clinics, and to see, in the mass, illustrations of such problems as the unmarried mother, the feeble-minded, and the handicapped child whose condition is potentially or actually related to the immediate problem of venereal diseases. The new clinic for venereal diseases, just being established at Bellevue Hospital, will be available for special intensive study by students of the course. The clinical material in this department is hardly to be surpassed elsewhere in the country.

Throughout the season special conferences will be held from time to time with the supervising nurse of the Division of Venereal Diseases, United States Public Health Service.

Further information concerning the terms of admission and the means of securing scholarships may be had from Asst. Surg. Gen. C. C. Pierce, Division of Venereal Diseases, United States Public Health Service, 228 First Street NW., Washington, D. C.

SUMMARY OF THE APRIL REPORT OF THE DIVISION OF VENEREAL DISEASES, PUBLIC HEALTH SERVICE.

Medical Activities.

The Government and Red Cross clinics of the extra-cantonment zones have gradually been transferred to the State boards of health, and are being operated under the plan for nation-wide control of venereal diseases which is being carried out under the provisions of the Chamberlain-Kahn Act.

Reports received from 67 of the 250 free venereal disease clinics operated under the joint supervision of the Public Health Service and the State boards of health show that there were 3,468 new cases of venereal diseases admitted during the month of April. These new admissions were classified as follows: One thousand six hundred and forty-three cases of gonorrhoea, 1,501 of syphilis, 144 of chancroid, 6 of balanitis gangrenosa, and 174 cases of other venereal infections.

The total number of patients discharged during this period as no longer a menace to the public health was 1,071. Of this number, 140 were discharged as cured, 747 as probably cured, and 184 as non-infectious but not cured. The term "probably cured" is used in the discharging of all syphilitic and gonorrheal patients, while those detained for treatment against their own volition are discharged as "noninfectious but not cured," or, when they become no longer a menace to the public health.

During the month there were 49,007 treatments administered to patients under the care of these clinics. Of this number, 5,424 treatments were the administration of arsphenamine.

The average daily attendance for this period was 25.5.

Educational Activities for April, 1919.

Requests received by the bureau for publications from private individuals	5, 141
Requests for publications from health officers, physicians, hospitals, nurses, civic organizations, city officials, libraries, editors, Y. M. C. A., and educators (campaign for churches closed)	1, 687
Publications purchased or reprinted by State boards of health (report not complete)	2, 236, 123
Number of States equipped with full sets of venereal disease pamphlets ..	37
Venereal disease publications distributed by the bureau	158, 071
Number of States cooperating in showing the "Keeping Fit" exhibit for boys	45
Number of lectures, conferences, motion-picture film showings reported ..	275

Legislation.

Bills providing appropriations for combating venereal disease have been passed in the following States:

Arizona.....	\$4, 500. 00	New Hampshire.....	\$9, 363. 08
Arkansas.....	34, 237. 48	New Jersey.....	27, 586. 22
California (V. D. control).....	51, 600. 00	New York.....	100, 000. 00
California (Women's Reformatory).....	150, 000. 00	North Carolina (annually) ..	23, 988. 61
Colorado.....	17, 000. 00	North Dakota.....	12, 548. 48
Colorado (Det. Home).....	35, 000. 00	Ohio.....	25, 000. 00
Connecticut.....	24, 000. 00	Oklahoma.....	86, 000. 00
Delaware.....	2, 500. 00	Oregon.....	25, 000. 00
Florida (annually).....	12, 000. 00	South Carolina.....	10, 000. 00
Indiana.....	29, 360. 20	South Dakota	10, 000. 00
Iowa (annually).....	15, 000. 00	Texas (appro. last yr.).....	45, 000. 00
Kansas (misc. appro. applying to V. D. control).....	105, 550. 00	Utah.....	8, 000. 00
Maine.....	8, 000. 00	Washington (V. D. control)..	25, 000. 00
Michigan.....	300, 000. 00	Washington (Women's Reformatory).....	150, 000. 00
Minnesota.....	60, 000. 00	West Virginia (annually)....	7, 000. 00
Montana.....	8, 177. 42	Wisconsin.....	50, 000. 00
Nebraska.....	25, 925. 50	Wyoming.....	4, 000. 00

Mississippi, Kentucky, Louisiana, Maryland, and Virginia have no session this year. The Georgia Legislature meets in June, 1919; the Florida Legislature convened April 5, 1919; Alabama, after 30 days' session, recessed until July 1.

The following acts bearing on venereal diseases have been passed:

Alabama: Injunction and abatement act, ouster law, venereal disease bar to marriage, State board of control.

Arkansas: Vice-repressive act, women's prison farm.

California: Venereal disease-control act, women's industrial farm, venereal advertising act.

Colorado: Venereal disease-control, women's detention home with appropriation of \$35,000, act prohibiting sales of venereal-disease drugs except on prescription of physician.

Delaware: Injunction and abatement act, venereal disease-control act.

Florida: Venereal disease-control act.

Iowa: Venereal disease bar to food handlers, venereal disease-control act, reorganizing State board of health, sale of venereal-disease drugs prohibited without prescription of physician, requiring permit to operate dance halls, soft drink emporiums, etc. Outside incorporated cities, prohibiting venereally infected person from working in cigar factories.

Missouri: Reorganization State board of health.

Montana: Venereal disease-control act.

Nebraska: Venereal disease-control act.

New Mexico: Creating a State board of health.

New York: Venereal disease-control act.

North Carolina: Vice-repressive act, injunction and abatement act, venereal disease-control act.

North Dakota: Vice-repressive act, venereal disease-control act.

Ohio: Examination of food handlers, reorganization of State board of health.

Oklahoma: Venereal disease-control act, venereal disease-advertising act, medical certificate for marriage qualification, act prohibiting sales of venereal-disease drugs except on prescription of physician.

Oregon: Venereal disease-control act, act prohibiting sales of venereal-disease drugs except on prescription of physician, act prohibiting owners from permitting quack venereal-disease advertisements to remain on their property.

Rhode Island: Vice-repressive act.

South Carolina: Venereal disease-control act.

South Dakota: Venereal disease-control act.

Utah: Venereal disease-control act, act prohibiting venereal-disease advertising, act prohibiting sales of venereal-disease drugs except on prescription of physician.

Washington: Venereal disease-control act, women's farm and reformatories, statutory rape to apply to both sexes.

Wisconsin: Vice-repressive act, venereal disease-control act, act prohibiting sales of venereal-disease drugs except on prescription of physician.

DEATHS DURING WEEK ENDED MAY 31, 1919, IN CITIES.

The table following shows the registered deaths from all causes and from pneumonia (all forms) and influenza combined in certain large cities of the United States during the week ended May 31, 1919.

The data are taken from the "Weekly Health Index," June 3, 1919, issued by the Bureau of the Census, Department of Commerce.

Registered deaths and annual death rates per 1,000 population in certain large cities of the United States, week ended May 31, 1919—Deaths from all causes, and from pneumonia (all forms) and influenza combined.

City.	Population July 1, 1918, estimated.	Total deaths, all causes.	Annual death rate per 1,000.	Annual death rate for preceding years. ¹	Influenza and pneumonia (all forms).	
					Number of deaths.	Annual death rate per 1,000.
Albany, N. Y.	112,565	28	13.0	C. 17.6	2	0.9
Atlanta, Ga.	201,732	56	14.5	C. 18.4		
Baltimore, Md.	669,981	178	13.7	A. 16.5		
Birmingham, Ala.	197,670	56	14.8	A. 18.9		
Boston, Mass.	785,245	203	13.5	A. 17.6	21	1.4
Buffalo, N. Y.	473,229	136	15.0	C. 13.2		
Cambridge, Mass.	111,452	33	15.4	A. 12.9		
Chicago, Ill.	2,596,681	597	12.0	A. 14.2	55	1.1
Cincinnati, Ohio.	418,022	99	12.3	C. 17.0		
Cleveland, Ohio.	810,306	141	9.1	C. 10.9	10	.6
Columbus, Ohio.	225,296	57	13.2	C. 12.5	6	1.4
Dayton, Ohio.	130,655	32	12.8	C. 7.6	0	
Denver, Colo.		68				
Fall River, Mass.	128,392	27	11.0	C. 9.7		
Grand Rapids, Mich.	135,450	25	9.6	C. 11.5		
Indianapolis, Ind.	290,389	60	10.8	C. 18.0		
Jersey City, N. J.	318,770	63	10.3	C. 9.7		
Kansas City, Mo.	313,785	79	13.1	C. 14.6	9	1.5
Los Angeles, Calif.	568,495	117	10.7	A. 12.0	4	.4
Louisville, Ky.	242,707	58	12.5	C. 19.1	7	1.5
Lowell, Mass.	109,061	26	12.4	A. 18.5		
Memphis, Tenn.	154,759	67	22.6	C. 18.2	8	2.7
Milwaukee, Wis.	453,481	79	9.1	A. 12.2	9	1.0
Minneapolis, Minn.	383,442	92	12.5	C. 9.7		
Nashville, Tenn.	119,215	43	18.8	C. 19.7	4	1.7
Newark, N. J.	428,684	87	10.6	C. 13.9		
New Haven, Conn.	154,865	32	10.8	C. 14.1		
New Orleans, La.	382,273	125	17.1	A. 20.9		
New York, N. Y.	5,215,879	1,312	13.1	C. 11.8	155	1.5
Oakland, Calif.	214,206	24	5.8	A. 9.8		
Omaha, Neb.	180,264	38	11.0	C. 10.4		
Philadelphia, Pa.	1,761,371	480	14.2	A. 14.4		
Pittsburgh, Pa.	593,303	150	13.2	C. 14.8	26	2.3
Portland, Oreg.		56			5	
Providence, R. I.	263,613	61	12.1	C. 14.4	7	1.4
Richmond, Va.	160,719	39	12.7	C. 18.5	7	2.3
Rochester, N. Y.	264,856	76	15.0	C. 14.0	10	2.0
St. Louis, Mo.	779,951	174	11.6	C. 13.8	17	1.1
St. Paul, Minn.	257,699	55	11.1	O. 10.1		
San Francisco, Calif.	478,530	132	14.4	O. 15.0	19	2.1
Syracuse, N. Y.	161,404	53	17.1	O. 13.9	4	1.3
Toledo, Ohio.	262,234	60	11.9	A. 14.1	34	6.8
Washington, D. C.	401,681	119	15.4	A. 14.5	8	1.0
Worcester, Mass.	173,650	30	9.0	C. 12.9		

¹ "A" indicates that the rate given is the average annual death rate per 1,000 population for the corresponding week, of the years 1913 to 1917, inclusive. "C" indicates that the rate is the annual death rate per 1,000 population for the corresponding week of 1918.

² Population estimated as of July 1, 1919.

³ Rate is based on statistics of 1915, 1916, and 1917.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED JUNE 7.

<p style="text-align: center; margin: 0;">CAMP BIX ZONE, N. J.</p> <p style="margin: 0;">No cases of communicable diseases reported.</p> <p style="text-align: center; margin: 0;">FAYETTEVILLE SANITARY DISTRICT, N. C.</p> <p style="text-align: right; margin: 0;">Cases.</p> <p style="margin: 0;">Gonorrhoea..... 15</p> <p style="margin: 0;">Measles..... 1</p> <p style="margin: 0;">Syphilis..... 6</p> <p style="margin: 0;">Typhoid fever..... 2</p> <p style="text-align: center; margin: 0;">CAMP FUNSTON ZONE, KANS.</p> <p style="margin: 0;">Manhattan:</p> <p style="margin: 0;"> Chicken pox..... 4</p> <p style="margin: 0;"> Scarlet fever..... 1</p> <p style="margin: 0;"> Tuberculosis..... 1</p> <p style="margin: 0;"> Whooping cough..... 2</p> <p style="text-align: center; margin: 0;">GAS AND FLAME SCHOOL ZONE, GA. AND ALA.</p> <p style="margin: 0;">Cerebrospinal meningitis:</p> <p style="margin: 0;"> Columbus..... 1</p> <p style="margin: 0;">Chancroid:</p> <p style="margin: 0;"> Columbus..... 1</p> <p style="margin: 0;">Diarrhoea:</p> <p style="margin: 0;"> Muscogee County..... 1</p> <p style="margin: 0;">Gonorrhoea:</p> <p style="margin: 0;"> Columbus..... 14</p> <p style="margin: 0;">Measles:</p> <p style="margin: 0;"> Columbus..... 9</p> <p style="margin: 0;"> Muscogee County..... 10</p> <p style="margin: 0;">Pneumonia:</p> <p style="margin: 0;"> Columbus..... 1</p> <p style="margin: 0;">Scarlet fever:</p> <p style="margin: 0;"> Columbus..... 1</p> <p style="margin: 0;">Smallpox:</p> <p style="margin: 0;"> Columbus..... 1</p> <p style="margin: 0;"> Muscogee County..... 2</p> <p style="margin: 0;">Syphilis:</p> <p style="margin: 0;"> Columbus..... 6</p> <p style="margin: 0;"> Muscogee County..... 2</p> <p style="margin: 0;"> Phoenix..... 2</p> <p style="margin: 0;"> Alabama..... 1</p> <p style="margin: 0;">Tuberculosis:</p> <p style="margin: 0;"> Columbus..... 1</p> <p style="margin: 0;"> Muscogee County..... 2</p> <p style="margin: 0;">Typhoid fever:</p> <p style="margin: 0;"> Muscogee County..... 1</p>	<p style="text-align: center; margin: 0;">CAMP GORDON ZONE, GA.</p> <p style="margin: 0;">Atlanta:</p> <p style="text-align: right; margin: 0;">Cases.</p> <p style="margin: 0;">Chicken pox..... 6</p> <p style="margin: 0;">Diphtheria..... 2</p> <p style="margin: 0;">Gonorrhoea..... 11</p> <p style="margin: 0;">Measles..... 7</p> <p style="margin: 0;">Mumps..... 1</p> <p style="margin: 0;">Pneumonia..... 1</p> <p style="margin: 0;">Scarlet fever..... 5</p> <p style="margin: 0;">Smallpox..... 17</p> <p style="margin: 0;">Syphilis..... 8</p> <p style="margin: 0;">Trachoma..... 1</p> <p style="margin: 0;">Tuberculosis..... 3</p> <p style="margin: 0;">Typhoid fever..... 8</p> <p style="margin: 0;">Whooping cough..... 1</p> <p style="text-align: center; margin: 0;">GULFPORT HEALTH DISTRICT, MISS.</p> <p style="margin: 0;">Cancer:</p> <p style="margin: 0;"> Gulfport..... 1</p> <p style="margin: 0;"> Mississippi City..... 1</p> <p style="margin: 0;">Chicken pox:</p> <p style="margin: 0;"> Gulfport..... 1</p> <p style="margin: 0;">Gonorrhoea:</p> <p style="margin: 0;"> Biloxi..... 2</p> <p style="margin: 0;"> Logtown..... 1</p> <p style="margin: 0;"> Pascagoula..... 3</p> <p style="margin: 0;">Hookworm:</p> <p style="margin: 0;"> Biloxi..... 1</p> <p style="margin: 0;"> Pascagoula..... 1</p> <p style="margin: 0;">Malaria:</p> <p style="margin: 0;"> Biloxi..... 2</p> <p style="margin: 0;"> De Lisle..... 1</p> <p style="margin: 0;"> Escatawpa..... 6</p> <p style="margin: 0;"> Gulfport..... 5</p> <p style="margin: 0;"> Logtown..... 1</p> <p style="margin: 0;"> Moss Point..... 1</p> <p style="margin: 0;"> Orange Grove..... 1</p> <p style="margin: 0;"> Pascagoula..... 11</p> <p style="margin: 0;"> Pass Christian..... 2</p> <p style="margin: 0;"> Kila..... 5</p> <p style="margin: 0;">Measles:</p> <p style="margin: 0;"> Gautier..... 1</p> <p style="margin: 0;"> Pascagoula..... 5</p> <p style="margin: 0;"> Picayune..... 1</p>
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GULFPORT HEALTH DISTRICT, MISS.—continued.

Mumps:	Cases.
Biloxi.....	3
Gulfport.....	3
Long Beach.....	1
Pass Christian.....	1
Pneumonia:	
Biloxi.....	1
Long Beach.....	1
Syphilis:	
Mississippi City.....	1
Pascagoula.....	1
Tuberculosis:	
Biloxi.....	1
Whooping cough:	
Biloxi.....	1
Gulfport.....	8
Pascagoula.....	1

CAMP JACKSON ZONE, S. C.

Columbia:	
Chicken pox.....	6
Mumps.....	3
Smallpox.....	4
Typhoid fever.....	2
Whooping cough.....	8
Government clinic:	
Gonorrhoea.....	14
Syphilis.....	7

CAMP LEE ZONE, VA.

Petersburg:	
Gonorrhoea.....	5
Syphilis.....	4

CAMP MERRITT ZONE, N. J.

Demarest:	
Scarlet fever.....	3
Englewood:	
Chicken pox.....	1
Measles.....	2

MUSCLE SHOALS SANITARY DISTRICT, ALA.

Lauderdale County:	
Chicken pox.....	3
Mumps.....	1
Nitrate Plant No. 2:	
Gonorrhoea.....	4
Influenza.....	1
Malaria.....	1
Syphilis.....	3
Tuberculosis.....	1

PICRIC ACID PLANT ZONE, GA.

Brunswick:	
Gonorrhoea.....	1
Syphilis.....	2
Tetanus.....	1
Tuberculosis.....	3

CAMP PIKE ZONE, ARK.

Little Rock:	
Chicken pox.....	4
German measles.....	1
Gonorrhoea.....	7

CAMP PIKE ZONE, ARK.—continued.

Little Rock—Continued.	Cases.
Mumps.....	2
Pellagra.....	1
Ptomaine poisoning.....	1
Scarlet fever.....	1
Smallpox.....	2
Syphilis.....	2
Tuberculosis.....	1
North Little Rock:	
Mumps.....	3
Scott:	
Influenza.....	2
Tuberculosis.....	3

CAMP POLK ZONE, N. C.

Chancroid:	
Durham.....	3
Chicken pox:	
Durham.....	2
Raleigh.....	5
Diphtheria:	
Holly Springs.....	1
Gonorrhoea:	
Durham.....	3
Middle Creek Township.....	1
Raleigh.....	2
Measles:	
Raleigh.....	1
Scarlet fever:	
Raleigh.....	1
Smallpox:	
Durham.....	1
Raleigh.....	1
Tuberculosis:	
Durham.....	1
Neuse Township.....	1
White Oak Township.....	1
Typhoid fever:	
Durham.....	2
Mangum Township.....	1
Middle Creek Township.....	1
Swift Creek Township.....	1
Whooping cough:	
Durham.....	16
Durham Township.....	2
Raleigh.....	1
White Oak Township.....	6

PORTSMOUTH AND NORFOLK COUNTY HEALTH DISTRICT, VA.

Chicken pox:	
Norfolk.....	2
Diphtheria:	
Portsmouth.....	2
Measles:	
Portsmouth.....	2
Port Norfolk.....	2
Norfolk.....	9
Smallpox:	
Norfolk.....	3
Tuberculosis:	
Portsmouth.....	1

CAMP SHERMAN ZONE, OHIO.		CAMP UPTON ZONE, N. Y.	
Chillicothe:	Cases.	Brook Haven:	Cases.
Gonorrhoea.....	1	Syphilis.....	1
Typhoid fever.....	1	Typhoid fever.....	1
Government clinic:		Patchogue:	
Gonorrhoea.....	1	Diphtheria.....	1
SOUTHER FIELD ZONE, GA.		WILMINGTON SANITARY DISTRICT, N. C.	
Typhoid fever.....	1	Sea Gate:	
CAMP TRAVIS ZONE, TEX.		Syphilis.....	1
San Antonio:		Wilmington:	
Gonorrhoea.....	4	Gonorrhoea.....	13
Malaria.....	1	Malaria.....	8
Pneumonia.....	3	Syphilis.....	2
Syphilis.....	6	Tuberculosis.....	3
Tuberculosis.....	2	Typhoid fever.....	2
Whooping cough.....	4	Whooping cough.....	4

DISEASE CONDITIONS AMONG TROOPS IN THE UNITED STATES.

The following data are taken from telegraphic reports received in the office of the Surgeon General of the United States Army for the week ended May 30, 1919. Reports from the American Expeditionary Forces are delayed in transmission, and the "current week" for troops in the American Expeditionary Forces is not the same period as "current week" for troops in the United States.

	Current week.	Last week.
Annual admission rate per 1,000 (all causes).....	597.15	552.02
All troops in United States.....	1,152.50	1,114.36
American Expeditionary Forces.....	377.00	350.85
Annual admission rate per 1,000 (disease only).....	524.45	493.70
All troops in United States.....	1,011.25	1,013.58
American Expeditionary Forces.....	334.64	289.33
Noneffective per 1,000 on day of report.....	35.34	36.42
All troops in United States ¹	54.43	55.82
American Expeditionary Forces.....	26.88	28.79
Annual death rate per 1,000 (all causes).....	6.94	5.80
All troops in United States ¹	10.16	8.20
American Expeditionary Forces.....	5.51	4.86
Annual death rate per 1,000 (disease only).....	4.31	4.06
All troops in United States ¹	8.41	7.36
American Expeditionary Forces.....	2.56	2.75

¹ Sick and death rates among troops in the United States will continue to be relatively high, as the numerical strength of troops in the United States continues to decline from week to week as a result of demobilization. Well men only are eligible for discharge, while the sick and otherwise disabled are retained in service for further treatment. The continued influx of sick and wounded (properly chargeable to commands overseas) is another factor tending to increase rates in the United States and to diminish correspondingly similar rates overseas.

Cases of special diseases reported during the week ended May 30, 1919.

Camp.	Pneumonia.	Dysentery.	Malaria.	Venereal disease.		Influenza.	Measles.	Meningitis.	Scarlet fever.	Annual admission rate per 1,000 (disease only).	Noneffective per 1,000 on day of report.
				Total.	New infections.						
Benning.....										314.76	16.94
Bowle.....				21	2					1,089.27	128.67
Bragg.....										193.78	6.21
Custer.....				10	7			2		724.32	80.97
Devens.....	4		1	16		1				2,263.26	97.02
Dix.....	1			11	1					739.01	57.82
Dodge.....				9	4					1,055.68	98.09
Funston.....				9						629.82	85.91
Gordon.....				14						801.15	74.86
Grant.....	1			38						1,347.59	81.19
Humphreys.....				3	1					302.91	25.24
Jackson.....	1		2	17						791.93	97.81
Kearny.....				2	2					1,887.00	175.01
Henry Knox.....				3						299.71	20.17
Lee.....		1		20	15					1,351.70	107.89
Lewis.....				10	1					1,506.69	132.70
Meade.....	1		1	31	3				2	1,069.28	90.05
Pike.....	2			43	3					3,885.39	192.41
Shelby.....				6	2					470.41	74.25
Sherman.....				5		1			1	788.23	11.18
Taylor.....	1			5	2					659.36	112.39
Travis.....			2	6	5					886.13	94.50
Upton.....	7		1	27	1					1,000.93	44.00
Northeastern Department.....				3						362.62	17.96
Eastern Department.....				9	5					387.60	17.04
Southeastern Department.....				3						753.62	35.07
Central Department.....				4						299.60	15.21
Southern Department.....				47	2	8				601.77	58.62
Western Department.....				24	15		1	1		533.42	13.37
Aviation camps.....				21	5				1	812.50	40.44
Port of embarkation:											
Hoboken.....	3			6	4	20				500.32	63.40
Newport News.....	41		2	153	8	29		5		5,680.59	93.60
Fort Monroe.....				3						474.34	22.51
Aleatraz Disciplinary Barracks.....										873.94	11.20
Leavenworth Disciplinary Barracks.....										858.41	38.41
Columbus Barracks.....				3	1			1		1,400.14	31.41
Jefferson Barracks.....				5	5					1,131.60	10.15
Fort Logan.....				2	2					826.48	34.43
Fort McDowell.....				2						1,162.73	38.50
Fort Sill.....	1			9	6					558.92	20.51
Fort Slocum.....	1			1	1					1,134.28	30.67
Fort Thomas.....				6	6					1,508.70	31.01
West Point.....				1						461.26	10.05
Arsenals.....						3				773.80	31.08
Miscellaneous small stations.....										446.23	32.47
Total.....	64	1	9	616	109	62	9	1	4	1,011.25	54.43

Number of deaths at large camps in United States week ended May 30, 1919.

Camp.	Strength.	Deaths.		Camp.	Strength.	Deaths.	
		All causes.	Disease only.			All causes.	Disease only.
Benning.....	1,650	0	.....	Shelby.....	2,653	1	.....
Bowie.....	2,005	0	.....	Sherman.....	9,590	3	2
Bragg.....	805	0	.....	Taylor.....	6,940	1	1
Custer.....	4,810	1	0	Travis.....	2,582	1	.....
Devens.....	6,617	0	.....	Upton.....	23,431	0	.....
Dix.....	19,356	1	1	Northoastern Department.....	2,863	0	.....
Dodge.....	5,172	0	.....	Eastern Department.....	13,554	0	.....
Funston.....	2,642	3	3	Southeastern Department.....	3,450	0	.....
Gordon.....	4,154	1	1	Central Department.....	4,339	0	.....
Grant.....	8,412	1	1	Southern.....	29,324	3	2
Humphreys.....	2,060	1	1	Western Department.....	8,676	0	.....
Jackson.....	4,662	1	1	Aviation camps.....	16,643	2	0
Kearny.....	2,177	1	1	Ports of embarkation:			
Henry Knox.....	2,032	0	.....	Hoboken.....	37,009	2	2
Lec.....	6,336	2	.....	Newport News.....	22,832	4	4
Lewis.....	4,107	1	1	All others.....	84,178	37	33
Meade.....	9,483	2	2				
Pike.....	3,560	1	1	Total.....	358,200	70	57

Annual admission rate per 1,000 for certain diseases.

Diseases.	Troops in United States.		American Expeditionary Forces.	
	Current week.	Last week.	Current week.	Last week.
Pneumonia.....	9.29	5.00	7.05	5.46
Dysentery.....	.14	.13	.00	.10
Malaria.....	1.30	1.66	.44	.43
Veneral.....	89.42	110.36	74.45	47.14
Paratyphoid.....	.00	.00	.00	.10
Typhoid.....	.14	.13	.25	.21
Measles.....	1.30	1.66	2.18	1.55
Meningitis.....	.14	.00	.64	.82
Scarlet fever.....	.53	4.17	.25	.38
Influenza.....	9.0	10.84	.....	.....

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended June 7, 1919.

Alabama.—State totals: Typhoid fever 5, malaria 14, smallpox 36, measles 16, scarlet fever 5, diphtheria 3, whooping cough 16, pulmonary tuberculosis 31, meningitis 1, infantile paralysis 12, influenza 2, venereal diseases 108.

California.—Smallpox: San Jose 30, Colusa 5, Oakland 2, San Francisco 2, Los Angeles 2, Los Angeles County 1, Fresno County 1, Merced County 1. Typhoid fever: San Francisco 1, Sacramento 1, Los Angeles 4, Brawley 4. Merced County reports 1 case cerebrospinal meningitis. Influenza: Cases reported, 143.

Connecticut.—State reports: Cerebrospinal meningitis, Waterbury 1; tetanus, Stamford 1.

Delaware.—Diphtheria: Wilmington 2, Laurel 1. Measles: Dover 3, Little Creek 1, Wilmington 1. Pneumonia: Dover 1. Scarlet

fever: Middletown 1, Wilmington 2. Tuberculosis: Cheswold 1, Dagsboro 1, Delaware City 1, New Castle 1, Wilmington 7.

Florida.—Smallpox: Duval County 2, Pensacola 1. State totals: Typhoid fever 8, malaria 19, scarlet fever 1, diphtheria 3, dysentery 1.

Georgia.—State totals: Acute infectious conjunctivitis 3, hookworm 6, cerebrospinal meningitis 6, chickenpox 22, diphtheria 6, dysentery (amebic) 27, dysentery (bacillary) 45, dysentery (sporadic) 8, gonorrhoea 63, malaria 43, measles 39, mumps 15, paratyphoid fever 1, pneumonia (acute lobar) 15, poliomyelitis 1, scarlet fever 7, smallpox 52, syphilis 11, tuberculosis (pulmonary) 9, typhoid fever 23, whooping cough 12.

Illinois.—Diphtheria: Cases reported, 134, of which in Chicago 108, Oak Park 3. Scarlet fever: Cases reported, 113, of which in Chicago 64, Stockton 9, Oregon 5, Rockford 5, Oglesby 4. Smallpox: Cases reported, 133, of which in Pekin 24, Grandville Township (Jasper County) 21, Rock Island 12, Groveland Township (Tazewell County) 9, Anna 9, Eldorado 6, Rankin 6, Galesburg 4, Momence 4, McLeansboro 4, East Peoria 3, Norris City 3, Chicago 3. Meningitis: Chicago 4, Elgin 2, Aurora 1. Poliomyelitis: Chicago 1, Belleville 2. Lethargic encephalitis: Chicago 2. Influenza: Cases reported, 7, of which in Chicago 6. Gonorrhoea 143, syphilis 88.

Indiana.—Scarlet fever reported by counties: Porter, Monroe, Elkhart, Wabash, Marshall, Montgomery, Pike, Hendricks, Jay; also in the city of South Bend. Smallpox reported by counties: Ripley, Vermilion, Jennings, Kosciusko, Delaware, Parke, Hendricks, and Jay. Diphtheria reported by counties: Kosciusko 2, Delaware 3, Hendricks 5, Grant 3, Johnson 3, Porter 1, Dekalb 2, and Whitley. Typhoid fever reported by counties: Jennings, Elkhart, Kosciusko, Delaware, and Vanderburg. Measles reported by counties: Porter, Marshall, Dekalb, Elkhart, Kosciusko, Lake, and Clay. Syphilis 32, gonorrhoea 8.

Iowa.—Chancroid: Castana 2. Chicken pox: Council Bluffs 1. Diphtheria: Council Bluffs 2, Davenport 9, Dubuque 1, Ottumwa 1, Red Oak 1, Sioux Center 1, South Des Moines 1. Gonorrhoea: Cedar Rapids 1, Conesville 1, Davenport 5, Dubuque 9, Galva 1, Lake City 1, Le Mars 2, Mason City 2, Sergeant Bluff 1, Shenandoah 1, Sioux City 23, Spencer 3. Measles: Council Bluffs 5. Scarlet fever: Burlington 2, Cedar Falls 1, Des Moines 1, Goodell 1, Indianola 1, Lester 1, Mitchellville 1, Perry 7, Postville 2. Smallpox: Boone 3, Cedar Rapids 14, Council Bluffs 9, Davenport 3, Des Moines 2, Maple River 1, Mason City 2, Quasqueton 1. Syphilis: Cherokee 1, Davenport 6, Des Moines 1, Dubuque 4, Sioux City 1. Whooping cough: Council Bluffs 2. In rural districts of following counties—Diphtheria: Mills 1, Polk 1, Tama 1. Gonorrhoea: Polk 1. Scarlet fever: Cherokee 1, Decatur 1, Des Moines 2, Fayette 3, Ida 1, Monona 3, O'Brien

1, Page 1. Smallpox: Buchanan 1, Clayton 1, Marshall 1, Pottawattamie 3, Webster 3.

Kansas.—Kansas City reports one case of meningitis. State totals: Smallpox 63, diphtheria 14, scarlet fever 48, influenza 6.

Louisiana.—Poliomyelitis 1, typhoid fever 24, smallpox 31, pellagra 11, diphtheria 9, gonorrhoea 103, syphilis 85, chancroid 9.

Maine.—Chicken pox: Greenville 16, Portland 4. Diphtheria: Bristol 1, Waterville 1, Washburn 1, Fairfield 1, Portland 1, Westbrook 5. Gonorrhoea: Bath 3, Lewiston 4, Portland 4, Belfast 1, Sanford 1, South Portland 1. Measles: Portland 1, South Berwick 1. Mumps: Corinna 1, Sanford 4. Scarlet fever: Farmington 3, Bristol 3, Bath 1, Portland 6, Brunswick 3, Rockland 1, Westbrook 3. Smallpox: Rangeley 2, Lisbon 8. Syphilis: Augusta 2, Brunswick 1, Madison 1, Skowhegan 1, Lewiston 2, Portland 6. Tuberculosis: Portland 2, Bangor 1, Boothbay Harbor 1, Cherryfield 1, Danforth 1, Gardiner 1, Fairfield 1, South Berwick 1, South Portland 1, Haynesville 1, Houlton 1, Pittsfield 1, Turner 1. Typhoid fever: Portland 3, Gorham 1. Whooping cough: South Berwick 5.

Massachusetts.—Unusual prevalence of measles reported, Fall River reporting 43, Lynn 42, and Worcester 31.

Minnesota.—Small pox (new foci): Bigstone County (Ortonville village) 3, Stearns County (Sauk Center) 2, Wabasha County (West Albany Township) 1. Syphilis 80, gonorrhoea 129, chancroid 3, cerebrospinal meningitis 2.

New Jersey.—Cases reported: Influenza, 4, pneumonia 46. Trenton city and Dover town report unusual prevalence of measles. Smallpox reported from: Beverly Township (Burlington County) and from the lower and upper townships in Cape May County. Elizabeth City reports unusual prevalence of scarlet fever.

New York.—State totals, exclusive of New York City: Typhoid fever 20, measles 438, scarlet fever 161, whooping cough 107, diphtheria 200. Smallpox cases reported 3: North Collins town 1, Utica city 1, and Candor 1. Cerebrospinal meningitis: Amsterdam 1. Poliomyelitis: Oswego 1, Mount Vernon 1, Ontario 1. Pneumonia: Cases reported 54. Syphilis 76, gonorrhoea 34, reported voluntarily.

North Carolina.—State totals: Whooping cough 144, measles 132, diphtheria 7, scarlet fever 8, smallpox 77, chickenpox 48, typhoid fever 87, broncho pneumonia 4, lobar pneumonia 5, cholera infantum 12, dysentery (bacillary) 12, dysentery (amebic) 1, trachoma 3, gonorrhoea 135, syphilis 73, chancroid 17, gonorrhoea and syphilis 1, gonorrhoea and chancroid 4.

Ohio.—Scarlet fever: Ashtabula 7, Cincinnati 32, Washington 10. Smallpox: Hamilton 12, Steubenville 6, Youngstown 24. Typhoid fever: Ironton 3, Wellsville 5.

Oregon.—Portland reports 4 cases and 2 deaths from influenza, Coos County 1, and Hood River 26.

Vermont.—No outbreak or unusual prevalence.

Virginia.—Reports by counties. Smallpox: Tazewell 1, James City 1, Nottoway 14, Norfolk 4, Mecklenburg 1, Albemarle 1, Alexandria 4, Bedford 1, Campbell several. Cerebrospinal meningitis: Alexandria 1.

Washington.—No unusual prevalence of contagious diseases reported.

West Virginia.—Diphtheria: Buckhannon 1, Clarksburg 1, Keyser 1. Measles: Buckhannon 6, Charleston 3, Clarksburg 1, Fairmont 4, Huntington 1, Keyser 2, Morgantown 1, Weston 15. Scarlet fever: Bluefield 2, Charleston 2, Charles Town 3, Elkins 1, Huntington 15, Logan 1, Martinsburg 8, Morgantown 1, Parkersburg 5, Wheeling 4. Smallpox: Beckley 3, Bluefield 2, Buckhannon 1, Charleston 1, Keyser 5, Montgomery 6, Morgantown 1, Wheeling 1, Williamson 8. Typhoid fever: Buckhannon 1, Fairmont 1, Wheeling 1.

ANTHRAX.

Sacramento, Calif.

During the week ended May 24, 1919, one case of anthrax and one death were reported at Sacramento, Calif.

CEREBROSPINAL MENINGITIS.

State Reports for April, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Pennsylvania—Continued.	
Chambers County.....	1	Luzerne County.....	1
Colbert County.....	3	Montgomery County.....	1
Houston County.....	1	Philadelphia County.....	7
Jefferson County.....	1	Total.....	19
Walker County.....	1		
Total.....	7	Virginia:	
Kansas:		Accomac County.....	1
Crawford County—		Albemarle County.....	1
Mulberry (R. R.).....	1	Crozet.....	1
Dickinson County—		Alleghany County—	
Herington.....	1	Covington.....	1
Hope.....	1	Bedford County.....	1
Douglas County—		Buchanan County.....	1
Baldwin.....	1	Franklin County.....	1
Jefferson County—		Henrico County—	
Ozawkie.....	1	Richmond.....	1
Sumner County—		Henry County.....	1
Conway Springs.....	1	Lee County.....	1
Total.....	6	Loudoun County.....	1
		Madison County.....	1
Pennsylvania:		Nansemond County—	
Allegheny County.....	2	Suffolk.....	1
Armstrong County.....	1	Pulaski County.....	1
Cambria County.....	1	Roanoke County.....	1
Crawford County.....	1	Spotsylvania County.....	1
Cumberland County.....	1	Warwick County—	
Dauphin County.....	1	Newport News.....	1
Elk County.....	1	Wise County.....	1
Lackawanna County.....	2	Total.....	18

CEREBROSPINAL MENINGITIS—Continued.

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Boston, Mass.....	2	2	Milwaukee, Wis.....	3	1
Cambridge, Mass.....	1	1	Newark, N. J.....	1	.....
Charleston, S. C.....	1	.....	New Haven, Conn.....	4	.....
Chicago, Ill.....	4	2	New York, N. Y.....	11	4
Detroit, Mich.....	2	.....	Philadelphia, Pa.....	2	1
Fall River, Mass.....	.....	1	Portland, Oreg.....	.....	1
Greenville, S. C.....	1	.....	Quincy, Mass.....	1	1
Jamestown, N. Y.....	1	1	St. Louis, Mo.....	3	1
Kansas City, Mo.....	1	1	Sunbury, Pa.....	1	.....
Lincoln, Nebr.....	1	.....	Topeka, Kans.....	1	.....
Los Angeles, Calif.....	1	1	Washington, D. C.....	1	.....
Louisville, Ky.....	1	.....		

CHANCROID.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Gas and Flame school zone, Ga. and Ala.....	1	Camp Polk zone, N. C.....	3

DIPHTHERIA.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Camp Gordon zone, Ga.....	2	Portsmouth and Norfolk County health district, Va.....	2
Camp Polk zone, N. C.....	1	Camp Upton zone, N. Y.....	1

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 1335.

GONORRHEA.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Fayetteville sanitary district, N. C.....	15	Picric Acid plant zone, Ga.....	1
Gas and Flame school zone, Ga. and Ala.....	14	Camp Pike zone, Ark.....	7
Camp Gordon zone, Ga.....	11	Camp Polk zone, N. C.....	6
Gulfport health district, Miss.....	6	Camp Sherman zone, Ohio.....	2
Camp Jackson zone, S. C.....	14	Camp Travis zone, Tex.....	4
Camp Lee zone, Va.....	5	Wilmington sanitary district, N. C.....	13
Muscle Shoals sanitary district, Ala.....	4		

INFLUENZA.

Outbreak in Alaska.

An outbreak of influenza was reported from Unalaska, Alaska, on May 29 by the captain of the Coast Guard steamer *Unalga*.

LEPROSY.

Boston, Mass., Week Ended May 24, 1919.

One case of leprosy was reported at Boston, Mass., during the week ended May 24, 1919.

MALARIA.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Gulfport health district, Miss.....	38	Camp Travis zone, Tex.....	1
Muscle Shoals sanitary district, Ala.....	1	Wilmington sanitary district, N. C.....	8

State Reports for April, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Virginia—Continued.	
Barbour County.....	3	King and Queen County.....	1
Colbert County.....	5	King George County.....	8
Escambia County.....	2	King William County—	
Hale County.....	1	West Point.....	2
Henry County.....	3	Lancaster County.....	1
Houston County.....	6	Lee County.....	12
Jackson County.....	1	Lunenburg County—	
Jefferson County.....	2	Victoria.....	2
Lamar County.....	10	Mecklenburg County.....	4
Mobile County.....	1	Chaso City.....	4
Montgomery County.....	1	Middlesex County.....	8
Pickens County.....	5	Montgomery County.....	10
Tuscaloosa County.....	17	Nansemond County.....	10
Total.....	57	New Kent County.....	2
Kansas:		Northampton County.....	11
Cherokee County—		Cape Charles.....	2
Galena.....	1	Plysylvania County.....	12
Virginia:		Powhatan County.....	11
Accomac County—		Princess Anne County.....	7
Chincoteague.....	14	Prince Edward County.....	2
Onancock.....	2	Prince George County.....	1
Angusta County.....	9	Hopewell.....	1
Brunswick County.....	7	Prince William County.....	1
Caroline County.....	3	Rockingham County—	
Charles City County.....	2	Dayton.....	1
Cumberland County.....	1	Southernhampton County.....	8
Dinwiddie County.....	2	Capon.....	2
Essex County.....	1	Franklin.....	2
Gloucester County.....	15	Spottsylvania County.....	3
Grayson County.....	6	Fredericksburg.....	1
Greensville County—		Surry County.....	12
Emporia.....	16	Sussex County.....	10
Halifax County.....	3	Stony Creek.....	2
Houston.....	1	Tazewell County—	
Hanover County.....	2	Tazewell.....	12
Henry County.....	1	Warwick County.....	6
Isle of Wight County.....	18	Washington County.....	1
James City County.....	6	Westmoreland County.....	14
		York County.....	2
		Total.....	297

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....	1		Fine Bluff, Ark.....	3	
High Point, N. C.....	2		Portsmouth, N. H.....	1	
Newark, N. J.....	1		Tuscaloosa, Ala.....	1	
New Orleans, La.....		1			

MEASLES.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Fayetteville sanitary district, N. C.....	1	Camp Merritt zone, N. J.....	2
Gas and Flame School zone, Ga. and Ala.....	19	Camp Polk zone, N. C.....	1
Camp Gordon zone, Ga.....	7	Portsmouth and Norfolk County health district,	
Gulfport health district, Miss.....	7	Va.....	13

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 1335.

PELLAGRA.

State Reports for April, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Pennsylvania:	
Butler County.....	1	Philadelphia County.....	1
Calhoun County.....	1		
Cherokee County.....	1	Virginia:	
Etowah County.....	1	Brunswick County.....	2
Franklin County.....	1	Charlotte County.....	3
Geneva County.....	1	Hanover County.....	2
Hale County.....	1	Ashland.....	1
Houston County.....	1	Henry County.....	1
Jefferson County.....	11	Nansemond County—	
Lee County.....	2	Suffolk.....	1
Marengo County.....	1	Northampton County.....	5
Mobile County.....	8	Nottoway County.....	1
Montgomery County.....	1	Pittsylvania County—	
Shelby County.....	1	Gretna.....	1
Talladega County.....	1	Powhatan County.....	1
Tuscaloosa County.....	10	Prince George County.....	1
Wilcox County.....	1	Hopewell.....	1
Total.....	44	Sussex County.....	1
		Wise County.....	2
Kansas:		Norton.....	1
Cherokee County—		Total.....	24
Columbus.....	1		

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Anniston, Ala.....	1		Fort Worth, Tex.....		1
Atlanta, Ga.....		1	Lexington, Ky.....		1
Austin, Tex.....		1	Nashville, Tenn.....		1
Charleston, S. C.....		1	Spartanburg, S. C.....		1
Columbus, Ga.....	1	1	Washington, D. C.....	1	

PLAGUE-INFECTED GROUND SQUIRRELS.

Alameda County, Calif.

On May 22, 1919, two plague-infected ground squirrels (*Citellus beecheyi*) were reported found 7 miles south of Sunol, Alameda County, Calif. On May 23 another like-infected squirrel of the same species was reported found 6 miles south of Sunol. In each instance diagnosis based upon animal inoculation and cultures was made. Intensive hunting operations are being carried on.

PNEUMONIA.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

Cases.	Cases.
Gas and Flame School zone, Ga. and Ala..... 1	Gulfport health district, Miss..... 2
Camp Gordon zone, Ga..... 1	Camp Travis zone, Tex..... 3

PNEUMONIA—Continued.

City Reports for Week Ended May 24, 1919.

Place.	Lobar.		All forms.		Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.		Cases.	Deaths.	Cases.	Deaths.
Ann Arbor, Mich.	1				Los Angeles, Calif.	8	4	8	7
Anniston, Ala.	1				Louisville, Ky.	1	7		
Atlanta, Ga.	2	11			Lowell, Mass.	9			
Baltimore, Md.	10	11			Lynn, Mass.	1	1		
Baton Rouge, La.			2		Manitowoc, Wis.			1	1
Bayonne, N. J.	2				Marion, Ind.	1	1		
Beverly, Mass.	1	1			Morristown, N. J.			1	
Bloomington, Ind.	1				Mount Vernon, N. Y.	7			
Boston, Mass.	26	5			Newark, N. J.	30	9		
Brockton, Mass.	6				Newton, Mass.	1	1		
Brunswick, Ga.	1	1			New York, N. Y.			64	145
Cambridge, Mass.	3				North Tonawanda, N. Y.	3	1		
Camden, N. J.	3				Norwich, Conn.	1	1		
Charleston, W. Va.	1	1			Oak Park, Ill.	1	4		
Charlotte, N. C.	1	1			Paterson, N. J.	3			
Chelsea, Mass.	3				Philadelphia, Pa.	51	26		
Chicago, Ill.			171	64	Pittsfield, Mass.	2			
Cleveland, Ohio.	17	18			Pomona, Calif.	1	1		
Columbus, Ga.	3	3			Rochester, N. Y.	9	5		
Dayton, Ohio.	1	1			Sacramento, Calif.			1	2
Detroit, Mich.	7	15	9	19	Salem, Oreg.	1	2		
Duluth, Minn.	4	6			San Antonio, Tex.	3	1		
East Orange, N. J.	1	1			Sandusky, Ohio.	1			
Elizabeth, N. J.	5				San Jose, Calif.	1			
Fall River, Mass.	3				Sault Ste. Marie, Mich.	1			
Flint, Mich.	1	1			Schenectady, N. Y.	2	1		
Fort Worth, Tex.	2	2			Somerville, Mass.	2			
Grand Rapids, Mich.	1	1			Springfield, Mass.	3			
Haverhill, Mass.	3	1			Tacoma, Wash.			4	
Highland Park, Mich.	1				Trenton, N. J.	1			
Independence, Mo.			1	1	Tulsa, Okla.	1			
Kansas City, Mo.			6	8	Westfield, Mass.	2	1		
Lackawanna, N. Y.	2	1			Worcester, Mass.	2	2		
Lorain, Ohio.	1								

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for April, 1919.

Place.	New cases reported.	Place.	New cases reported.
Pennsylvania:		Virginia—Continued.	
Warren County.....	1	Mecklenburg County.....	1
Virginia:		Fago County.....	1
Accomac County.....	1	Pittsylvania County.....	1
Allegheny County—		Scott County.....	4
Covington.....	1	Total.....	10
Amelia County.....	1		

City Reports for Week Ended May 24, 1919.

During the week ended May 24, 1919, one case of poliomyelitis was reported at Chicago, Ill., and one at Kenosha, Wis. One death was reported at Burlington, Iowa.

RABIES IN ANIMALS.

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Place.	Cases.
Akron, Ohio.....	2	Memphis, Tenn.....	3
Columbus, Ga.....	1	Pontiac, Mich.....	1
Detroit, Mich.....	2	Portsmouth, Ohio.....	1
Greenwich, Conn.....	3		

RABIES IN MAN.

Portsmouth, Ohio, Week Ended May 24, 1919.

One case and one death from rabies were reported at Portsmouth, Ohio, during the week ended May 24, 1919.

SCARLET FEVER.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Camp Funston zone, Kans.....	1	Camp Merritt zone, N. J.....	3
Gas and flame school zone, Ga. and Ala.....	1	Camp Pike zone, Ark.....	1
Camp Gordon zone, Ga.....	5	Camp Polk zone, N. C.....	1

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 1335.

SMALLPOX.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

	Cases.		Cases.
Gas and flame school zone, Ga. and Ala.....	3	Camp Polk zone, N. C.....	2
Camp Gordon zone, Ga.....	17	Portsmouth and Norfolk County health district, Va.....	3
Camp Jackson zone, S. C.....	4		
Camp Pike zone, Ark.....	2		

Kansas Report for April, 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.
Kansas:						
Allen County—						
Iola.....	1				1	
Anderson County—						
Kincaid.....	9				9	
Garnett.....	1			1		
Atchison County—						
Oak Mills.....	3				3	
Atchison (2 R. D.).....	63			1	62	
Barton County—						
Great Bend (3 R. D.).....	3				3	
Holsington.....	9				9	
Bourbon County—						
Fort Scott.....	2				2	
Brown County—						
Padonia.....	2				2	
Butler County—						
Augusta (1 R. D.).....	2				2	
Derby (1 R. D.).....	1				1	
Oil Hill.....	1				1	
Eldorado.....	2				2	

SMALLPOX—Continued.

Kansas Report for April, 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.
Kansas—Continued.						
Cherokee County—						
Galena.....	2				2	
Cheyenne County—						
Bird City.....	3				3	
Clay County—						
Wakefield (1 R. D.).....	1				1	
Coffee County—						
Strawn.....	1				1	
Crawford County—						
McCune.....	1				1	
Mulberry.....	1				1	
Pittsburg.....	1				1	
Dickinson County—						
Enterprise.....	1				1	
Doniphan County—						
Elwood.....	7			1	6	
Wathena.....	1				1	
Douglas County—						
Baldwin (2 R. D.).....	2		1		1	
Edwards County—						
Lewis.....	1				1	
Ford County—						
Bloom (2 R. D.).....	2				2	
Dodge City (1 R. D.).....	2				2	
Franklin County—						
Pomona.....	1				1	
Geary County—						
Junction City.....	1				1	
Gove County—						
Oakley (R. D.).....	1				1	
Graham County—						
Hill City.....	1				1	
Greenwood County—						
Piedmont (2 R. D.).....	2				2	
Harvey County—						
Newton.....	4				4	
Jackson County—						
Mayetta.....	1				1	
Jefferson County—						
Nortonville.....	2				2	
Johnson County—						
Gardner.....	3				3	
Kingman County—						
Chaney (1 R. D.).....	1				1	
Labette County—						
Parsons.....	5				5	
Lane County—						
Dighton.....	7		1		6	
Leavenworth County—						
Jarbalo.....	5				5	
Leavenworth.....	8			1	7	
Linn County—						
La Cygne.....	8			1	7	
Marshall County—						
Marysville.....	3				3	
Miami County—						
Louisburg.....	1				1	
Montgomery County—						
Cherryvale.....	2				2	
Coneyville.....	1				1	
Independence.....	1				1	
Nemaha County—						
Bern.....	1				1	
Neosho County—						
Chanute (3 R. D.).....	71		1	4	66	
Norton County—						
Norton.....	11				11	
Osborne County—						
Luray.....	1				1	
Pratt County—						
Byers.....	3				3	

SMALLPOX—Continued.

Kansas Report for April, 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.
Kansas—Continued.						
Reno County—						
Hutchinson.....	1				1	
Riley County—						
Manhattan (R. D.).....	3				3	
Scott County—						
Scott City.....	1				1	
Sedgewick County—						
Wichita (2 R. D.).....	24			1	23	
Seward County—						
Carson.....	1				1	
Shawnee County—						
Topeka.....	12				12	
Sherman County—						
Goodland.....	3			1	2	
Stevens County—						
Hugoton.....	1				1	
Sumner County—						
South Haven (6 R. D.).....	8				8	
Wellington.....	2				2	
Wabaunsee County—						
Atka Vista.....	2				2	
Wilson County—						
Buffalo.....	1				1	
Wyandotte County—						
Kansas City.....	8				8	
Total.....	337		3	11	323	

State Reports for April, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Virginia:		
Baldwin County.....	2		Accomac County.....	34	
Calhoun County.....	4		Parksley.....	2	
Choctaw County.....	1		Onancock.....	1	
Coffee County.....	1		Alleghany County.....	2	
Cullman County.....	3		Covington.....	11	
Etowah County.....	1		Campbell County—		
Jackson County.....	1		Altavista.....	1	
Jefferson County.....	22		Lynchburg.....	6	
Lawrence County.....	3		Caroline County.....	2	
Limestone County.....	1		Carroll County.....	2	
Mobile County.....	* 51		Peck.....	1	
Montgomery County.....	2		Dickenson County.....	25	
Tuscaloosa County.....	4		Elizabeth City County.....	8	
Walker County.....	1		Fairfax County.....	2	
Wilcox County.....	1	1	Fauquier County.....	2	
Total.....	98	1	Delaplane.....	1	
Pennsylvania:			Frederick County.....	4	
Allegheny County.....	5		Giles County.....	2	
Beaver County.....	10		Hallfax County.....	2	
Cambria County.....	1		Meadville.....	6	
Clearfield County.....	1		Henrico County—		
Clinton County.....	1		Richmond.....	1	
Lackawanna County.....	4		Henry County.....	3	
McKean County.....	2		King and Queen County.....	1	
Philadelphia County.....	4		King William County.....	3	
Washington County.....	1		Leo County.....	3	
Wayne County.....	3		Lunenburg County.....	10	
Total.....	32		Middlesex County.....	2	
			Montgomery County.....	8	
			Norfolk County.....	7	
			Norfolk.....	15	
			Portsmouth.....	5	

SMALLPOX—Continued.

State Reports for April, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Virginia—Continued.			Virginia—Continued.		
Nottoway County.....	3	.....	Surry County.....	4	.....
Page County.....	2	.....	Tazewell County.....	4	.....
Patrick County.....	8	.....	Boissevain.....	3	.....
Pittsylvania County.....	5	.....	Flat Top.....	1	.....
Chatham.....	1	.....	Pocahontas.....	6	.....
Danville.....	3	.....	Warren County.....	1	.....
Prince Edward County—			Warwick County—		
Farmville.....	1	.....	Newport News.....	3	.....
Prince George County.....	2	.....	Wise County.....	4	.....
Prince William County.....	2	.....	Wythe County—		
Roanoke County—			Ivanhoe.....	1	.....
Roanoke.....	21	.....	Total.....	270	.....
Rockbridge County.....	3	.....		
Russell County—					
Wilder.....	4	.....		
Dante.....	16	.....		

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Aberdeen, S. Dak.....	9	.....	Leavenworth, Kans.....	1	.....
Alameda, Calif.....	1	.....	Lincoln, Nebr.....	11	.....
Ann Arbor, Mich.....	1	.....	Logansport, Ind.....	10	.....
Atchison, Kans.....	4	.....	Long Beach, Calif.....	3	.....
Atlanta, Ga.....	22	.....	Los Angeles, Calif.....	1	.....
Austin, Tex.....	1	1	Louisville, Ky.....	1	.....
Baltimore, Md.....	1	.....	Madison, Wis.....	1	.....
Baton Rouge, La.....	2	.....	Marshalltown, Iowa.....	6	.....
Battle Creek, Mich.....	2	.....	Memphis, Tenn.....	2	.....
Beatrice, Nebr.....	1	.....	Middletown, Ohio.....	1	.....
Beaumont, Tex.....	1	.....	Milwaukee, Wis.....	10	.....
Bedford, Ind.....	4	.....	Minneapolis, Minn.....	28	.....
Birmingham, Ala.....	1	.....	Mobile, Ala.....	4	.....
Boise, Idaho.....	1	.....	Montgomery, Ala.....	1	.....
Canton, Ohio.....	1	.....	Nashville, Tenn.....	2	.....
Cedar, Rapids, Iowa.....	16	.....	New Orleans, La.....	3	.....
Chanute, Kans.....	8	.....	Norfolk, Va.....	1	.....
Chicago, Ill.....	1	.....	Oakland, Calif.....	1	.....
Cincinnati, Ohio.....	7	.....	Ogden, Utah.....	2	.....
Cleveland, Ohio.....	14	.....	Oklahoma City, Okla.....	17	.....
Columbia, S. C.....	1	.....	Omaha, Nebr.....	33	.....
Columbus, Ga.....	5	.....	Parsons, Kans.....	2	.....
Columbus, Ohio.....	1	.....	Pekin, Ill.....	11	.....
Council Bluffs, Iowa.....	3	.....	Peoria, Ill.....	10	.....
Covington, Ky.....	2	.....	Portland, Oreg.....	35	.....
Dallas, Tex.....	24	.....	Portsmouth, Ohio.....	3	.....
Danville, Ill.....	1	.....	Racine, Wis.....	5	.....
Davenport, Iowa.....	14	.....	Richmond, Va.....	1	.....
Denver, Colo.....	12	.....	Roanoke, Va.....	4	.....
Des Moines, Iowa.....	1	.....	Rockford, Ill.....	2	.....
Detroit, Mich.....	2	.....	Rock Island, Ill.....	15	.....
Dubuque, Iowa.....	3	.....	St. Cloud, Minn.....	2	.....
Duluth, Minn.....	7	.....	St. Joseph, Mo.....	25	.....
Evansville, Ind.....	1	.....	St. Louis, Mo.....	4	.....
Everett, Wash.....	2	.....	Salt Lake City, Utah.....	1	.....
Flint, Mich.....	2	.....	San Jose, Calif.....	1	.....
Fond du Lac, Wis.....	1	.....	Sioux City, Iowa.....	2	.....
Fort Wayne, Ind.....	3	.....	Spokane, Wash.....	1	.....
Fort Worth, Tex.....	1	.....	Stuebenville, Ohio.....	1	.....
Galesburg, Ill.....	11	.....	Stillwater, Minn.....	1	.....
Grand Rapids, Mich.....	1	.....	Superior, Wis.....	2	.....
Great Falls, Mont.....	7	.....	Tacoma, Wash.....	7	.....
Green Bay, Wis.....	2	.....	Toledo, Ohio.....	4	.....
Hoquiam, Wash.....	4	.....	Topeka, Kans.....	1	.....
Hutchinson, Kans.....	1	.....	Tulsa, Okla.....	3	.....
Indianapolis, Ind.....	6	.....	Walla Walla, Wash.....	1	.....
Joplin, Mo.....	2	.....	Washington, D. C.....	5	.....
Kalamazoo, Mich.....	3	.....	Wheeling, W. Va.....	1	.....
Kansas City, Kans.....	2	.....	Wichita, Kans.....	5	.....
Kansas City, Mo.....	8	.....	Winston-Salem, N. C.....	15	.....
Knoxville, Tenn.....	4	.....	Yakima, Wash.....	6	.....
Kokomo, Ind.....	5	.....	Youngstown, Ohio.....	11	.....
La Crosse, Wis.....	1	.....		

SYPHILIS.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

Cases.		Cases.	
Fayetteville sanitary district, N. C.....	6	Muscle Shoals sanitary district, Ala.....	3
Gas and flame school zone, Ga. and Ala.....	11	Picric acid plant zone, Ga.....	2
Camp Gordon zone, Ga.....	8	Camp Pike zone, Ark.....	2
Gulfport health district, Miss.....	2	Camp Travis zone, Tex.....	6
Camp Jackson zone, S. C.....	7	Camp Upton zone, N. Y.....	1
Camp Lee zone, Va.....	4	Wilmington sanitary district, N. C.....	3

TETANUS.

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Brunswick, Ga.....	1	1	Providence, R. I.....		1
Columbus, Ohio.....	1	1	Trenton, N. J.....		1
Los Angeles, Calif.....		1	Wilmington, N. C.....		1

TUBERCULOSIS.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

Cases.		Cases.	
Camp Funston zone, Kans.....	1	Camp Pike zone, Ark.....	4
Gas and flame school zone, Ga. and Ala.....	3	Camp Polk zone, N. C.....	3
Camp Gordon zone, Ga.....	3	Portsmouth and Norfolk County health district, Va.....	1
Gulfport health district, Miss.....	1	Camp Travis zone, Tex.....	2
Muscle Shoals sanitary district, Ala.....	1	Wilmington sanitary district, N. C.....	3
Picric acid plant zone, Ga.....	3		

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 1335.

TYPHOID FEVER.

Cases Reported in Extra-Cantonment Zones, Week Ended June 7, 1919.

Cases.		Cases.	
Fayetteville sanitary district, N. C.....	2	Camp Sherman zone, Ohio.....	1
Gas and flame school zone, Ga. and Ala.....	1	Souther Field zone, Ga.....	1
Camp Gordon zone, Ga.....	8	Camp Upton zone, N. Y.....	1
Camp Jackson zone, S. C.....	2	Wilmington sanitary district, N. C.....	2
Camp Polk zone, N. C.....	5		

State Reports for April, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Alabama—Continued.	
Autauga County.....	1	Montgomery County.....	1
Calhoun County.....	1	Pickens County.....	1
Choctaw County.....	1	Talladega County.....	2
Coffee County.....	1	Tallapoosa County.....	1
Colbert County.....	1	Tuscaloosa County.....	3
Covington County.....	2	Walker County.....	2
Etowah County.....	5	Winston County.....	3
Geneva County.....	1	Total.....	53
Greene County.....	2		
Hale County.....	1		
Henry County.....	8	Kansas:	
Houston County.....	1	Anderson County—	
Jackson County.....	1	Colony.....	1
Jefferson County.....	8	Butler County—	
Marion County.....	1	Eldorado.....	2
Mobile County.....	5		

TYPHOID FEVER—Continued.

State Reports for April, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
Kansas—Continued.		Pennsylvania—Continued.	
Cherokee County—		Washington County.....	1
Baxter.....	1	Westmoreland County.....	4
Coffee County—		York County.....	1
Waverly.....	1	Total.....	132
Douglas County—		Virginia:	
Lawrence.....	4	Accomac County—	
Ellis County—		Bloxom.....	2
Ellis.....	3	Albemarle County—	
Johnson County—		Charlottesville.....	1
De Soto.....	1	Alleghany County.....	1
Olathe.....	1	Lowmoor.....	2
Leavenworth County—		Amherst County.....	2
Tongonoxie.....	1	Amherst.....	1
Montgomery County—		Bedford County—	
Independence.....	1	Bedford.....	3
Norton County—		Bland County.....	1
Almena.....	1	Botetourt County.....	1
Sedgwick County—		Buchanan County.....	3
Wichita.....	2	Buckingham County.....	1
Shawnee County—		Campbell County—	
North Topeka.....	1	Lynchburg.....	3
Sumner County—		Caroline County.....	2
Ashton (I. R. D.).....	1	Chesterfield County—	
Milton.....	1	Beach.....	1
Total.....	22	Dickenson County.....	1
Pennsylvania:		Floyd County.....	1
Adams County.....	1	Goochland County.....	1
Allegheny County.....	8	Greensville County—	
Armstrong County.....	4	Emporia.....	1
Beaver County.....	3	Hallifax County.....	2
Bedford County.....	1	Henrico County—	
Berks County.....	5	Richmond.....	1
Bradford County.....	4	King George County.....	2
Bucks County.....	6	Lee County.....	2
Butler County.....	1	Keeokee.....	1
Center County.....	3	Lunenburg County.....	1
Chester County.....	3	Madison County.....	3
Crawford County.....	2	Mecklenburg County.....	3
Cumberland County.....	17	Nelson County.....	1
Dauphin County.....	1	Page County—	
Delaware County.....	4	Shenandoah.....	2
Eric County.....	2	Rockbridge County.....	3
Fayette County.....	2	Rockingham County—	
Huntingdon County.....	2	Elkton.....	2
Jefferson County.....	3	Shenandoah County.....	2
Juniata County.....	1	Southampton County.....	1
Lancaster County.....	2	Newsums.....	1
Lawrence County.....	2	Surry County.....	1
Lehigh County.....	3	Tazewell County—	
Luzerne County.....	2	Graham.....	1
Mercer County.....	1	Warwick County—	
Mifflin County.....	1	Newport News.....	2
Montgomery County.....	2	Wise County.....	1
Montour County.....	1	St. Paul.....	1
Philadelphia County.....	35	York County.....	2
Schuylkill County.....	1	Total.....	63
Somerset County.....	3		

City Reports for Week Ended May 24, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1		Cairo, Ill.....		1
Allentown, Pa.....	1		Charleston, W. Va.....		1
Baltimore, Md.....	5	1	Cheyenne, Wyo.....	1	1
Baton Rouge, La.....	2		Chicago, Ill.....	4	
Bellaire, Ohio.....	1		Cleveland, Ohio.....	1	
Birmingham, Ala.....	1		Columbia, S. C.....	4	
Boston, Mass.....	2		Columbus, Ohio.....	1	
Brunswick, Ga.....	1	1	Dallas, Tex.....	1	
Buffalo, N. Y.....	2	1	Denver, Colo.....	1	

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

City Reports for Week Ended May 24, 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.
Bakersfield, Calif.	17,543	5								
Baltimore, Md.	594,637	216	33	2	25		153	2	27	24
Baton Rouge, La.	17,544	5	7		12				2	1
Battle Creek, Mich.	30,159		2		27					
Bayonne, N. J.	73,204		4		5		2		3	
Beatrice, Nebr.	10,437	3								
Beaumont, Tex.	23,851	10								
Beaver Falls, Pa.	13,749		1							
Bedford, Ind.	10,613	1								
Bellaire, Ohio	14,875	7								
Belleville, Ill.	21,151		1				2			
Deloit, Wis.	18,547	2					1		1	
Benton Harbor, Mich.	11,099	1								
Berkeley, Cal.	60,427	5			2					1
Beverly, Mass.	22,128	2	1				1		1	
Biddeford, Me.	17,760	2								
Billings, Mont.	15,123						3			
Birmingham, Ala.	189,716	49			9		1		5	5
Bloomington, Ind.	11,661	3					2		1	
Boise, Idaho	35,951	2					5			
Boston, Mass.	767,813	220	49	1	22		65		42	27
Braddock, Pa.	22,069	1	1		1					
Brazil, Ind.	10,472	2			5					
Bridgport, Conn.	124,724	27	9		4	1	2		7	2
Bristol, Conn.	16,318	1	1		5		1			
Brockton, Mass.	69,152	15								1
Brookline, Mass.	33,526	8								1
Brunswick, Ga.	10,981	4								
Buffalo, N. Y.	475,781	129	45	8	64	1	15		43	13
Burlington, Iowa.	25,144	7	1				5			
Butler, Pa.	28,677	1	1				1		1	
Butte, Mont.	44,057						4			
Cadillac, Mich.	10,158	2	2							
Cairo, Ill.	15,995	5	1		2					1
Cambridge, Mass.	114,293	26	2		2		6		7	4
Camden, N. J.	108,117		4		4		5		3	
Canton, Ill.	13,674	8								
Canton, Ohio.	62,566	13			10				1	
Carlisle, Pa.	10,795				74					
Cedar Rapids, Iowa.	38,033		1							
Centralia, Ill.	11,838	5								
Champaign, Ill.	15,052	3								1
Chanute, Kans.	12,968	3			1					
Charleston, S. C.	61,041	25								1
Charleston, W. Va.	31,060	6	1		2		2			
Charlotte, N. C.	40,759	14			10					
Chelsea, Mass.	48,405	11			1		1		2	
Chester, Pa.	41,857	2			4		1		6	
Cheyenne, Wyo.	11,320				4					
Chicago, Ill.	2,547,201	660	134	11	1,028	13	59	3	359	81
Chicopee, Mass.	29,950	7	2						2	3
Chillicothe, Ohio.	15,625	3	1	1			2			1
Cincinnati, Ohio.	414,243	104	9	2	38		32		17	20
Cleveland, Ohio.	692,259	171	9	2	75	4	8		38	25
Clinton, Mass.	13,075	2					3		1	1
Coatesville, Pa.	14,998				2					
Cohoes, N. Y.	25,292	7	1		1		2		1	1
Colorado Springs, Colo.	38,965	17			1				21	5
Columbia, S. C.	35,165		1						2	
Columbus, Ga.	26,306	21			2		1		2	2
Columbus, Ohio.	220,135	62			10		11		5	6
Concord, N. H.	22,858	6					2			
Council Bluffs, Iowa.	31,838	11	1				2			
Covington, Ky.	59,623	16					3		3	1
Cranston, R. I.	26,773	5								
Cumberland, Md.	26,686	5			3		2	1	1	
Dallas, Tex.	129,738	36	1						5	5
Danbury, Conn.	22,931	8	1				2			
Danvers, Mass.	10,037	1								1
Danville, Ill.	32,969				7					
Davenport, Iowa.	49,618		1							

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended May 24, 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.
Dayton, Ohio.....	128,939	30	4		7		2		3	
Decatur, Ill.....	41,483	7	2				1			3
Dodham, Mass.....	10,618	1			2					
Denver, Colo.....	268,439	71	6		32		9			15
Des Moines, Iowa.....	104,052		1		1		2		2	
Detroit, Mich.....	619,648	187	62	6	112	1	44	1	22	20
Dover, N. H.....	13,276	2								1
Du Bois, Pa.....	14,994				1		1			
Dubuque, Iowa.....	40,096		4				1			1
Duluth, Minn.....	97,077	20	14		60	1	2		4	
East Chicago, Ind.....	30,286	3								
East Cleveland, Ohio.....	13,864						1			
Easton, Pa.....	30,854		1		3					
East Orange, N. J.....	43,761	6	1				1		4	1
East Providence, R. I.....	18,485		1							
East St. Louis, Ill.....	77,312	14							1	1
Eau Claire, Wis.....	18,887				14		2			
Elgin, Ill.....	28,562	5	1		2		1			
Elizabeth, N. J.....	88,830		3		1		12		7	2
Elmira, N. Y.....	38,272	8			8		1		1	
El Paso, Tex.....	69,149	45	1				4			10
Englewood, N. J.....	12,603	1			3		1			
Eric, Pa.....	76,592		2		3				8	
Eureka, Calif.....	15,142	3								
Evanston, Ill.....	29,304	7			65		1			
Evansville, Ind.....	76,981	7	2				3		2	1
Everett, Mass.....	40,160	3	2				2			
Everett, Wash.....	37,205				10		1			
Fairmount, W. Va.....	16,111		2		10		3			
Fall River, Mass.....	129,828	33	2		10	3	1		5	5
Fargo, N. Dak.....	17,872	3			19		1			
Farrell, Pa.....	10,190		1							
Findlay, Ohio.....	14,858	7			19					2
Flint, Mich.....	57,386	13	2				2			
Fond du Lac, Wis.....	21,486	3					3			
Fort Scott, Kans.....	10,564	4	1		1					1
Fort Wayne, Ind.....	78,014	17	2							1
Fort Worth, Tex.....	109,597	21	2		3		4		1	1
Fostoria, Ohio.....	10,959	1			1					
Framingham, Mass.....	14,149	5			15				1	
Frederick, Md.....	11,225	4					2			
Freeport, Ill.....	19,844	3						1		
Fremont, Ohio.....	11,034	4	1						1	1
Fresno, Calif.....	36,314	9								
Galesburg, Ill.....	24,629	7	1		21		1			2
Galveston, Tex.....	42,650	14							1	2
Gloversville, N. Y.....	22,314				1		34		1	1
Grand Rapids, Mich.....	132,861	36	1		17		6		2	2
Great Falls, Mont.....	13,948	10					3		1	
Greely, Colo.....	11,942	4								1
Green Bay, Wis.....	30,017	10			1					
Greenfield, Mass.....	12,251	2	1							
Greensboro, N. C.....	20,171	6								
Greensburg, Pa.....	15,881				5					
Greenville, S. C.....	18,574	2			2				1	
Greenwich, Conn.....	19,594						3			2
Hackensack, N. J.....	17,412	9			1		1		2	
Hammond, Ind.....	27,016	13			8					
Harrisburg, Pa.....	73,276				176		6			
Harrison, N. J.....	17,345		2						3	
Hartford, Conn.....	112,831	29	9	1	8		4		2	2
Haverhill, Mass.....	49,180	12	2				3		3	
Hazleton, Pa.....	28,981				5		2		3	
Highland Park, Mich.....	33,859	4	17		8		1			
High Point, N. C.....	13,439	1			2		1			
Hoboken, N. J.....	78,324	14		1						4
Holland, Mich.....	12,459	2								
Holyoke, Mass.....	66,503	11	2				2		1	1
Hudson, N. Y.....	12,898	4								2
Hutchinson, Kans.....	21,461				1					
Independence, Mo.....	11,964	3			2					1

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended May 24, 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.
Indianapolis, Ind.	233,622	68	11		75		10		58	5
Ironwood, Mich.	15,095						1			
Ithaca, N. Y.	16,017	3					7			1
Jamestown, N. Y.	37,431	8	6				3		1	
Janesville, Wis.	14,411	5								
Jersey City, N. J.	312,557		20		10		4		16	
Johnstown, N. Y.	10,678	5							1	1
Johnstown, Pa.	70,473		2		4				5	
Joplin, Mo.	33,400	5							3	
Kalamazoo, Mich.	50,408	32			50		7		7	3
Kankakee, Ill.	14,270	5								
Kansas City, Kans.	102,096		4		5		2		6	
Kansas City, Mo.	305,816	78	6	1	37		3		1	5
Kenosha, Wis.	32,833	5	1		24					
Knoxville, Tenn.	59,112						1		2	2
Kokomo, Ind.	21,929	4	1				1			
Lackawanna, N. Y.	16,219	7	10		1					
La Crosse, Wis.	31,833	11	1							2
La Fayette, Ind.	21,481	5			1		3			
Lakewood, Ohio.	23,813	9	2	1						
Lancaster, Ohio.	16,086	5								
Lancaster, Pa.	51,437		1		4		1		1	
Lawrence, Kans.	13,477	7							1	1
Lawrence, Mass.	102,923	24	5				4		5	5
Leavenworth, Kans.	19,363		8							1
Lebanon, Pa.	20,947								1	
Leominster, Mass.	21,365	6			22		1			
Lexington, Ky.	41,997	25	1		13		1			
Lima, Ohio	41,997	10	1		12		1		9	1
Lincoln, Nebr.	37,145	10			32	1	9		1	1
Little Rock, Ark.	46,957	8			2		3			
Lockport, N. Y.	58,716	8					2			1
Lockport, Ind.	80,028	6			27		2		1	1
Logansport, Ind.	21,338	5			1		7			
Long Beach, Calif.	29,163	6								
Long Branch, N. J.	15,733	1					1			
Lorain, Ohio.	38,266	12								
Los Angeles, Calif.	535,485	124	6	1	1		2		29	18
Louisville, Ky.	240,803	87	7	2	4		7		4	15
Lowell, Mass.	114,366	29	9	1	7		1		7	2
Ludington, Mich.	10,566	5								
Lynchburg, Va.	33,497	10					3		1	3
Lynn, Mass.	104,534	25	3				10			3
McKeesport, Pa.	48,299				33				1	
Madison, Wis.	31,345	4			23				1	
Mahanoy City, Pa.	17,709		2		1		1		1	
Malden, Mass.	52,243	4	1				3		5	1
Manchester, Conn.	15,859	2					2			
Manchester, N. H.	79,607	13	1	1			1		11	3
Manitowoc, Wis.	13,931	5	1		20				1	1
Mankato, Minn.	10,365	5			5					
Marinette, Wis.	14,610	5							1	
Marion, Ind.	19,923	2	1		1		8		1	
Marlboro, Mass.	15,285	2							3	
Marquette, Mich.	12,553	4			18					
Martinsburg, W. Va.	12,984				4		10			
Martins Ferry, Ohio.	10,135	1								1
Mason City, Iowa	14,938	7								
Meadville, Pa.	13,968						1			
Medford, Mass.	26,631	4					1			1
Melrose, Mass.	17,724	5			1					1
Memphis, Tenn.	151,877	49	14		53		6		15	5
Meriden, Conn.	29,431		1		2				1	
Methuen, Mass.	14,320	4	1				1			
Middletown, Ohio.	18,384	6								
Milford, Mass.	14,289									1
Milwaukee, Wis.	445,008	80	7		8		20	1	16	5
Minneapolis, Minn.	373,448	94	12	3	72	2	24	3	39	8
Missoula, Mont.	19,975	5			1					
Mobile, Ala.	59,391	15			4		1			2
Moine, Ill.	37,976	1	7							
Montclair, N. J.	37,067	2			1		3			1

1 Population Apr. 15, 1910.

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

City Reports for Week Ended May 24, 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.
Montgomery, Ala.	44,039	10								
Morgantown, W. Va.	14,444	5								
Morristown, N. J.	13,410	3								
Moundsville, W. Va.	11,513	2								
Mount Carmel, Pa.	20,709		5		4				1	
Mount Vernon, N. Y.	37,991	10	1				1			
Nashua, N. H.	27,541	5	1				4			
Nashville, Tenn.	118,136				10	1	5		2	6
Newark, N. J.	418,789	97	28	8			19		33	11
New Bedford, Mass.	121,622	22	5		11		5		20	3
New Britain, Conn.	55,385	14	2	2	9		6			3
New Brunswick, N. J.	25,855		1		3		2		3	
Newburgh, N. Y.	29,893	11	1		1		2			1
Newburyport, Mass.	15,291	5			1					
New Castle, Pa.	41,915						7			
New Haven, Conn.	152,275	32	7		4	1			6	3
New London, Conn.	21,199	6					1		1	
New Orleans, La.	377,010	117	7	1	5		4		26	13
Newport, Ky.	32,133	8							1	1
Newport, R. I.	30,585	6					3			1
Newton, Mass.	44,345	5					1		2	
New York, N. Y.	5,737,492	1,258	325	35	221	13	131	5	479	139
Niagara Falls, N. Y.	38,466	16							2	1
Norfolk, Va.	91,148		2	1	3		3			
Norristown, Pa.	31,969				19		1			
North Adams, Mass.	12,019	6	1				2			
Northampton, Mass.	20,006	6	1						1	
North Attleboro, Mass.	11,248	1								
North Tonawanda, N. Y.	14,060	5			12				1	
Norwich, Conn.	21,923	1	1				2		1	
Norwood, Ohio	23,269	2			5					
Oakland, Cal.	206,405	54	9	1	3		9		5	6
Oak Park, Ill.	27,816	12	1		61					
Ogden, Utah	32,343	7	6							
Oil City, Pa.	20,162				42					
Oklahoma City, Okla.	97,588	8					3			2
Olean, N. Y.	16,927	6								
Omaha, Nebr.	177,777	33	2		37		15			2
Orange, Conn.	14,393	6							2	
Orange, N. J.	33,636	10					2			1
Parkersburg, W. Va.	21,059	8			3		5			
Parsons, Kans.	15,952				1				2	
Pasadena, Calif.	49,620	21			1		1		1	4
Passaic, N. J.	74,478	19	2				2		1	2
Paterson, N. J.	140,512	7	7		1		1		7	
Pawtucket, R. I.	60,666	13	2							
Peekskill, N. Y.	19,034	8								1
Pekin, Ill.	10,973		1							
Peoria, Ill.	72,184	13	2							3
Philadelphia, Pa.	1,735,514	593	88	7	157	2	77	2	134	78
Phillipsburg, N. J.	15,879	6							1	1
Pine Bluff, Ark.	17,777									
Pittsburgh, Pa.	586,196		22		43		12		14	
Pittsburg, Kans.	18,340	4								
Pittsfield, Mass.	39,678	8					2		1	1
Pittston, Pa.	18,975		1		1					
Plainfield, N. J.	24,330	5	1							1
Plymouth, Mass.	14,001	5								
Plymouth, Pa.	19,439				3					
Pomona, Calif.	13,624	2								
Pontiac, Mich.	18,006	8	3							2
Port Chester, N. Y.	16,727	4					2		2	
Portland, Me.	64,730	21					6			1
Portland, Ore.	308,399	55	2		5		27	2	2	2
Portsmouth, N. H.	11,730						1		1	
Portsmouth, Ohio	29,356									
Portsmouth, Va.	40,693	12	1	1						1
Pottsville, Pa.	22,717		2		3		2		1	
Poughkeepsie, N. Y.	30,786	8	2	1	1		3		1	
Providence, R. I.	259,895	54	10				10			5
Pueblo, Colo.	56,084	1					1		1	

¹ Population Apr. 15, 1910.

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

City Reports for Week Ended May 24, 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.
Quincy, Ill.	36,832	10	2							1
Quincy, Mass.	39,022	10	2				2		2	2
Racine, Wis.	47,466	7					1			1
Rahway, N. J.	10,361	2								
Raleigh, N. C.	20,274	8			1					1
Reading, Pa.	111,607		3		12		1		1	
Redlands, Calif.	14,573						1		1	
Richmond, Va.	158,702	42			29	1	2		2	3
Riverside, Calif.	20,496	8							1	1
Roanoke, Va.	46,282	7			41		6			
Rochester, N. Y.	264,714		8	1	7		19		6	4
Rockford, Ill.	56,739	10			11	1	4			
Rock Island, Ill.	29,452	3							1	
Rocky Mount, N. C.	12,673	4								
Rome, N. Y.	24,250								3	
Rutland, Vt.	15,038	4					1			
Sacramento, Calif.	68,994	18	1				1			
Saginaw, Mich.	56,469	12	2				2		3	3
St. Cloud, Minn.	12,013				16					
St. Joseph, Mo.	96,498	26	1				2			1
St. Louis, Mo.	768,630	171	73	3	106	3	18		37	14
Salem, Mass.	49,346		6				9		3	
Salem, Oreg.	21,274	9							1	2
Salt Lake City, Utah	121,623	34	5		1		3			4
San Angelo, Tex.	10,321	6								3
San Antonio, Tex.	128,215	6	1						6	5
San Bernardino, Calif.	17,616	6								3
San Diego, Calif.	56,412	17	5				1		12	3
Sandusky, Ohio.	20,226	3			2				1	
San Jose, Calif.	39,810								1	
Santa Barbara, Calif.	15,360									
Santa Cruz, Calif.	15,150	5								1
Saratoga Springs, N. Y.	13,839	7			2				1	
Saugus, Mass.	10,210	1	1		5		2		2	
Sault Ste. Marie, Mich.	14,130	2								
Savannah, Ga.	69,250								4	2
Schenectady, N. Y.	108,774	10	1				3		12	1
Scranton, Pa.	149,541		4		1		10		3	
Shamokin, Pa.	21,274		5		10					
Shenandoah, Pa.	29,753		3						2	
Sioux City, Iowa.	58,568	1								
Sioux Falls, S. Dak.	16,897	9			5		2			2
Somerville, Mass.	88,618	13	2		3		9		5	
South Bend, Ind.	70,907	11	1		2		1			1
Southbridge, Mass.	14,465	5			1				1	
Spartanburg, S. C.	21,985	7								2
Spokane, Wash.	157,656				2		14			
Springfield, Ill.	62,623	24								2
Springfield, Mass.	106,668	43	2				6		3	4
Springfield, Mo.	41,169	15								1
Springfield, Ohio.	52,296	16			9		1		1	
Steelton, Pa.	15,759				10					
Steubenville, Ohio.	28,250	6								
Stockton, Calif.	36,209	13								2
Streator, Ill.	14,313	4								
Sumbury, Pa.	16,661				1					
Superior, Wis.	47,167	5	2		1		1			
Syracuse, N. Y.	158,559	37	3	1			9		5	3
Tacoma, Wash.	117,446				11		2		1	
Taunton, Mass.	36,610	7	1		5				1	
Toledo, Ohio.	202,010	4	4		91	1	13		13	6
Topeka, Kans.	49,538	17	2		1					2
Trenton, N. J.	113,974	28	1		42	1			7	3
Troy, N. Y.	78,094	28	12		1				7	5
Tulsa, Okla.	32,507				1					
Tuscaloosa, Ala.	10,824	2	2						1	
Vallejo, Calif.	13,803	1	1							
Vancouver, Wash.	13,806		2							
Warefield, Mass.	12,947				1				1	
Walla Walla, Wash.	26,087						6			
Waltham, Mass.	31,011	5			2		1		5	1

¹ Population Apr. 15, 1916.

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

City Reports for Week Ended May 24, 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.
Warren, Pa.....	15,063				1					
Washington, D. C.....	369,282	128	29	4	12		14		28	19
Washington, Pa.....	22,076		1						3	
Waterbury, Conn.....	89,201	1	5	1	25		3		2	
Watertown, Mass.....	15,188	1								
Wausau, Wis.....	19,666	6	2		2		1			1
Westfield, Mass.....	18,769	4	1						1	1
West New York, N. J.....	19,613	3			1				1	
Wheeling, W. Va.....	43,657	15	2				2		2	2
White Plains, N. Y.....	23,331	5			1					
Wichita, Kans.....	73,897	10							3	
Wilkes-Barre, Pa.....	78,334		3		75		1		2	
Williamsport, Pa.....	34,123		4		11					
Wilmington, Del.....	95,369	23			2		5			
Wilmington, N. C.....	30,400	10	1						1	
Winchester, Mass.....	10,812	3			1					
Winona, Minn.....	18,888	2								
Winston-Salem, N. C.....	33,136	15	1		22				5	3
Winthrop, Mass.....	13,165				1				2	
Woburn, Mass.....	16,076	3								
Worcester, Mass.....	166,106	58	6		62		6		9	5
Yakima, Wash.....	22,058				6		4			
Yonkers, N. Y.....	108,066	16			6		2			2
Youngstown, Ohio.....	112,282	27	3		89		10		3	5
Zanesville, Ohio.....	31,320	10							1	1

¹ Population Apr. 15, 1910.

FOREIGN.

CHINA.

Influenza—Shanghai—March, 1919.

According to information received under date of April 19, 1919, there were notified at Shanghai, China, during the month of March, 1919, 342 fatal cases of influenza occurring among Chinese and 23 among foreigners, of whom 14 were Japanese. The total mortality at Shanghai during March, 1919, was stated to have been the highest on record, namely, 66 deaths among foreigners and 1,177 among Chinese.

The first outbreak of influenza at Shanghai was stated to have occurred in May, 1918, with 3 fatalities among foreigners and 152 among Chinese.¹ The second outbreak was reported in October, 1918, with 6 fatalities among foreigners and 266 among Chinese.

Plague—Hongkong.

During the week ended June 7, 1919, 41 cases of plague with 37 deaths were reported at Hongkong, China.

FINLAND.

Smallpox—Typhus Fever—April 1-15, 1919.

During the period April 1 to 15, 1919, 158 cases of smallpox and 10 cases of typhus fever were notified in Finland. The cases of smallpox were distributed according to Provinces as follows: Abo Och Björneborg, 1 case; Kuopio, 19 cases; Nyland, 4 cases; St. Michael, 15 cases; Tavastehus, 7 cases; Vasa, 10 cases; Viborg, 102 cases. Of the typhus cases, 8 were notified in the Province of Abo Och Björneborg, 1 case in the Province of Nyland, and 1 case in the Province of Viborg.

LABRADOR.

Influenza—March, 1919.

There were reported in Labrador March 8, 1919, 150 fatal cases of influenza occurring within an area of approximately 250 miles from Nain to Cartwright, on the Atlantic coast. The population of Labrador is stated to be 10,000.

¹Public Health Reports, Apr. 25, 1919, p. 872.

NEWFOUNDLAND.**Influenza—January—May, 1919.**

Influenza was present in Newfoundland during the period from December 28, 1918, to January 31, 1919, with 1,464 cases reported; from February 1 to 28, with 44 cases; from March 1 to 28, with 121 cases; from March 29 to April 25, with 47 cases. During the period from April 26 to May 9 influenza was reported present. The greatest diffusion of the disease was noted in January, occurring according to weeks as follows: Week ended January 3, present in 8 localities, January 10, in 15 localities, January 17 and 24, in 8 localities each, January 31, in 3 localities; during February about 6 localities were reported infected; during March, 4 localities, and in April, about 8 localities.

NEW ZEALAND.**Influenza—March—April, 1919.**

During the period from March 27 to April 10, 1919, influenza was reported present in New Zealand with 127 cases.

OCEANIA.**Influenza—Fiji Islands—Pelew Islands—Solomon Islands.**

Influenza has been reported present in islands of the Pacific Ocean as follows: Fiji Islands, March 31 to April 8, 1919, 29 cases occurring at four localities; Pelew Islands, in the Caroline group, during the week ended March 22, about 40 cases among natives; Solomon Islands, in April, a mild epidemic, not pneumonic in form, reported in a portion of the islands.

Influenza was reported present in the Fiji Islands in December, 1918, with a high mortality.¹

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended June 13, 1919.²****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Apr. 6-19.....		529	
Rangoon.....	Mar. 23-Apr. 5....	16	12	
Java:				
Mid-Java.....				Feb. 21-Mar. 14, 1919: Cases, 803; deaths, 575.
West Java.....				Mar. 7-13, 1919: Cases, 2.
Batavia.....	Mar. 7-13.....	2		
Philippine Islands:				
Provinces.....				Apr. 13-19, 1919: Cases, 61; deaths, 39.
Batangas.....	Apr. 13-19.....	6	6	
Laguna.....	do.....	29	15	
Pampanga.....	do.....	26	18	

¹Public Health Reports, Mar. 7, 1919, p. 483.

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

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

Reports Received During Week Ended June 13, 1919—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Porto Alegre.....	Apr. 1-30.....			Present.
Ceylon:				
Colombo.....	Mar. 30-Apr. 5.....	1		
China:				
Hongkong.....	June 7.....	41	37	
Ecuador:				
Quayaquil.....	Apr. 1-30.....	1	1	
Egypt:				
Cities—				
Suez.....	Apr. 23-29.....	17	9	1 case septicemic.
Provinces—				
Fayoum.....	Apr. 26.....	13	5	
India:				
Calcutta.....	Apr. 6-19.....		62	Mar. 30-Apr. 5, 1919: Cases, 4,193;
Karachi.....	Apr. 13-19.....	18	16	deaths, 3,458.
Rangoon.....	Mar. 23-Apr. 5.....	85	83	
Java:				
Mid-Java.....				Feb. 21-Mar. 14, 1919: Cases, 95;
Mesopotamia:				deaths, 95.
Bagdad.....	Mar. 22-Apr. 11.....	98	69	

SMALLPOX.

Arabia:				
Aden.....	Apr. 14-21.....		1	
Austria:				
Vienna.....	Feb. 9-Mar. 15.....	28		Feb. 9-Mar. 15, 1919: Cases, 97.
Bohemia:				
Gablour.....	Feb.-Mar.....	974	19	
Brazil:				
Bahia.....	Mar. 30-Apr. 5.....	5		
Rio de Janeiro.....	Feb. 16-Mar. 22.....	17	8	
Canada:				
Nova Scotia—				
Halifax.....	May 13-24.....	18		Present in 20 other localities.
Ontario—				
Ottawa.....	May 25-31.....	1		
Quebec—				
Quebec.....	May 18-24.....	4		
Ceylon:				
Colombo.....	Mar. 29-Apr. 5.....	1		Mar. 26, 1919: One case from s. s. Ulimaroa from Egypt. Mar. 27: Case on s. s. Euripides from England via Suez.
China:				
Chungking.....	Apr. 6-19.....			Present.
Hankow.....	Apr. 13-19.....	1		
Nanking.....	Apr. 20-26.....			Do.
Tsingtao.....	Apr. 28-May 4.....	1		
Chosen (Korea):				
Chemulpo.....	Mar. 1-31.....	1	1	
Fusan.....	do.....	20	11	
Seoul.....	do.....	2	1	
Egypt:				
Alexandria.....	Apr. 23-29.....	10	5	
Finland:				
Provinces—				
Abo Och Björneborg.....	Apr. 1-30.....	1		Apr. 1-15, 1919: Cases, 158.
Kuopio.....	do.....	19		
Nyland.....	do.....	4		
St. Michael.....	do.....	15		
Tavastehus.....	do.....	7		
Vasa.....	do.....	10		
Viberg.....	do.....	102		
Germany:				
.....				Feb. 16-Mar. 22, 1919: Cases, 230; among soldiers and prisoners of war, 745 cases.
Great Britain:				
London.....	Apr. 13-26.....	6	1	
India:				
Calcutta.....	Apr. 6-12.....		200	
Karachi.....	Apr. 12-19.....	14	7	
Rangoon.....	Mar. 23-Apr. 5.....	195	99	

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

Reports Received During Week Ended June 13, 1910—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Naples.....	May 5-11.....	53	31	
Japan:				
Kobe.....	Apr. 20-26.....	40	10	
Java:				
West Java.....				Feb. 23-Mar. 13, 1919: Cases, 127; deaths, 19.
Manchuria:				
Dairen.....	Apr. 22-28.....	1		
Mexico:				
Guadalajara.....	Apr. 1-30.....	1		
Newfoundland:				
St. John's.....	May 16-22.....	8		Outports, 26 cases; present at Blaketown and vicinity of Greenspond.
Philippine Islands:				
Manila.....	Apr. 13-19.....	2	1	1 varioloid.
Portugal:				
Oporto.....	Apr. 27-May 10.....	20	15	
Spain:				
Barcelona.....	Mar. 27-Apr. 16.....	4		
Tunis:				
Tunis.....	Apr. 26-May 1.....	1	1	
On vessels:				
S. S. Euripides.....	Mar. 21.....	1		From England via Suez and Colombo. Case removed at Colombo. Vessel arrived Fremantle, Australia, Apr. 10.
S. S. Port Sydney.....	Mar. 13.....	1	1	From Egypt to Australia via Colombo. Arrived Fremantle Mar. 31.
S. S. Ulimaroa.....	Mar. 26.....	1		From Egypt via Colombo. Case developed after arrival at Colombo. Vessel arrived at Fremantle, Australia, Apr. 8.

TYPHUS FEVER.

Austria.....				Feb. 9-Mar. 15, 1919: Cases, 322.
Vienna.....	Feb. 9-Mar. 15.....	291		
Brazil:				
Rio de Janeiro.....	Feb. 16-22.....	1		
Egypt:				
Alexandria.....	Apr. 22-29.....	98	35	
Finland.....				Apr. 1-15, 1919: Cases, 10.
Provinces.....				
Abo Oeh Björneborg.....	Apr. 1-15.....	8		
Nyland.....	do.....	1		
Viborg.....	do.....	1		
Great Britain:				
Queenstown.....	Mar. 16-22.....		1	
Hungary.....				Jan. 13-Feb. 2, 1919: Cases, 263.
Budapest.....	Jan. 13-Feb. 2.....	131	7	
Debreczin.....	Jan. 20-Feb. 2.....	42		
Miskolcz.....	do.....	15		
Italy:				
Arezzo Province.....	Apr. 7-13.....	4		At Arezzo.
Bolluno Province.....	do.....	1		
Florence.....	do.....	21		
Naples.....	May 5-11.....	6		
Novara Province.....	Apr. 7-13.....	1		
Taranto.....	do.....	2		
Udine Province.....	do.....	13		At Cividale, 11 cases; Udine, 2.
Mesopotamia:				
Bagdad.....	Mar. 22-Apr. 11.....	6	2	
Mexico:				
Guadalajara.....	Apr. 1-30.....	5	3	
Netherlands:				
Amsterdam.....	Apr. 6-12.....	2		
Rotterdam.....	do.....	3	1	
Portugal:				
Oporto.....	Apr. 27-May 10.....	165		
Serbia:				
Belgrade.....	Feb. 5.....	62		
Tunis:				
Tunis.....	Apr. 26-May 1.....		1	

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

Reports Received During Week Ended June 13, 1919—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Mar. 9-Apr. 12.....	14	7	
Ecuador:				
Guayaquil.....	Apr. 1-30.....	2	2	
Vinces.....	do.....	1	1	
Salvador:				
San Salvador.....	May 30.....			Present.

Reports Received from Dec. 28, 1918, to June 6, 1919.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Columbia.....	Nov. 17-30.....	4	5	
China:				
Swatow.....	June 3.....			Present.
Germany:				
Berlin.....	Te Oct. 5.....	17	11	
Bremen.....	Oct. 13-19.....	1		On a barge.
Marlenwerder.....				1 case in October, 1918, on a barge in canal.
India:				
Bombay.....	Aug. 18-Dec. 28.....	1,351	1,031	
Do.....	Dec. 29-Mar. 22.....	9,691	8,510	
Calcutta.....	Sept. 26-Dec. 21.....		241	Reports for weeks ended Nov. 23, 1918, and Mar. 29, 1919, missing.
Do.....	Dec. 29-Apr. 5.....		1,154	
Karachi.....	Jan. 28-Mar. 22.....	3	3	
Madras.....	Oct. 5-Dec. 28.....	264	164	Oct. 27-Nov. 2, 1918: Cases, 9; deaths, 4.
Do.....	Jan. 5-Apr. 19.....	430	300	
Do.....	Oct. 5-Dec. 21.....	35	35	
Rangoon.....	Dec. 29-Mar. 22.....	41	33	
Do.....				
Indo-China:				
Anam.....	July 1-Aug. 31.....	37	30	July 1-Oct. 31, 1918: Cases, 753; deaths, 472.
Cambodia.....	July 1-Oct. 31.....	324	171	
Cochin China.....	do.....	436	337	
Do.....	Oct. 7-Dec. 22.....	75	45	
Salgon.....	Dec. 3-Apr. 6.....	563	348	
Do.....	July 1-31.....	50	34	
Kwang-Chow-Wan.....	July 1-Oct. 31.....	6		
Tonkin.....				
Java:				
East Java				
Surabaya district.....	Oct. 7-Dec. 31.....	655	423	Oct. 7-Dec. 31, 1918: Cases, 381; deaths, 323. Jan. 1-Mar. 27, 1919: Cases, 756; deaths, 719.
Do.....	Jan. 1-Mar. 17.....	387	282	Sept. 25-Dec. 18, 1918: Cases 3,282, deaths, 2,014. Jan. 24-Feb. 29, 1919: Cases, 1,183; deaths, 928.
Mid-Java				
Samarang.....	Sept. 26-Oct. 16.....	120	111	Oct. 3-Dec. 11, 1918: Cases, 412; deaths, 238. Dec. 27, 1918-Jan. 23, 1919: Cases, 10; deaths, 3.
West Java				
Batavia.....	Oct. 3-Dec. 11.....	291	148	
Do.....	Dec. 27-Jan. 23.....	8	2	
Cheribon.....	Jan. 3-9.....	1		
Mesopotamia:				
Bagdad.....	Oct. 11-18.....	8		
Philippine Islands:				
Manila				
Do.....	Sept. 22-Dec. 28.....	209	135	
Do.....	Dec. 29-Apr. 19.....	51	23	
Provinces				
Albay.....	Dec. 16-21.....	1	1	Nov. 2-Dec. 28, 1918: Cases, 1,986; deaths, 1,515. Dec. 29, 1918-Apr. 19, 1919: Cases, 1,454; deaths, 1,022.
Ambos Camarines.....	Feb. 15-21.....	10	2	
Bataan.....	Nov. 17-Dec. 28.....	38	32	
Batangas.....	Nov. 2-Dec. 28.....	258	230	
Do.....	Dec. 29-Apr. 19.....	90	66	
Do.....	Apr. 6-12.....	5	2	
Bohol.....	Nov. 2-Dec. 28.....	29	24	
Do.....	Dec. 29-Mar. 29.....	88	55	
Do.....	Apr. 6-12.....	10	6	
Bulacan.....	Oct. 12-Dec. 28.....	51	8	
Do.....	Dec. 29-Feb. 21.....	42		
Capiz.....	Dec. 22-28.....	7	5	
Do.....	Jan. 5-25.....	28	14	

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

Reports Received from Dec. 28, 1918, to June 6, 1919—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Continued.				
Provinces—Continued.				
Cavite.....	Oct. 27-Dec. 21....	207	115	
Do.....	Dec. 29-Apr. 19....	18	17	
Cebu.....	Nov. 10-Dec. 21....	50	27	
Do.....	Jan. 12-Apr. 19....	20	15	
Ilocos Sur.....	Dec. 8-28.....	17	8	
Do.....	Dec. 29-Feb. 15....	56	38	
Iloilo.....	Oct. 27-Dec. 31....	112	78	
Do.....	Jan. 5-Mar. 28....	194	125	
Laguna.....	Oct. 27-Dec. 28....	18	11	
Do.....	Dec. 29-Apr. 19....	182	145	
Lanao.....	Jan. 5-11.....	8	4	
Mindoro.....	Nov. 21-30.....	7	14	
Misamis.....	Oct. 27-Nov. 2....	6	5	
Do.....	Nov. 17-Dec. 28....	75	48	
Do.....	Jan. 5-Mar. 29....	194	86	
Nueva Ecija.....	Jan. 12-25.....	9	6	
Occidental Negros.....	Feb. 2-Mar. 21....	8	5	
Oriental Negros.....	Nov. 2-Dec. 7....	32	18	
Do.....	Jan. 5-Feb. 8....	35	22	
Pampanga.....	Nov. 24-Dec. 14....	4	4	
Do.....	Jan. 5-Apr. 19....	118	83	
Pangasinan.....	Nov. 2-Dec. 28....	930	652	
Do.....	Dec. 29-Apr. 19....	160	131	
Rizal.....	Oct. 27-Nov. 2....	3	1	
Do.....	Nov. 24-30.....	16	5	
Samar.....	Dec. 15-21.....	8	1	
Sorsogon.....	Nov. 17-23.....	8	4	
Do.....	Jan. 19-Feb. 8....	44	36	
Tayabas.....	Nov. 3-Dec. 28....	60	40	
Do.....	Dec. 29-Feb. 15....	68	62	
Union.....	Nov. 2-Dec. 28....	18	14	
Zamboanga.....	Dec. 8-28.....	27	19	
Do.....	Jan. 5-Feb. 8....	25	21	
Poland:				
Plesnak district.....	Oct. 2-Nov. 27....	5		
Warsaw.....	Sept. 29-Oct. 26....	5	1	
Russia:				
Petrograd.....	To July 16.....	3,388	1,054	
Do.....	July 17-Sept. 11....	3,479	1,455	In civil and military hospitals: In military hospitals, July 5- Aug. 21, 1918: Cases, 884; deaths, 783. In municipal hos- pitals, Oct. 1, 1918: Cases, 270.
Ukraine:				
Ekaterinaslav.....	Sept. 1-20.....	7	6	
Odessa.....	.....do.....	25		Sept. 1-20, 1918: 11 cases on s. s. Helena.

PLAGUE.

Ceylon:				
Colombo.....	Oct. 27-Nov. 2....	1	1	
Do.....	Feb. 9-Mar. 22....	13	10	
China:				
Amoy.....	Nov. 24-Dec. 8....			Present.
Chungking.....	Dec. 1-7.....			Do.
Hing-Ning district.....	Mar. 15.....			Do.
Hongkong.....	Oct. 1-Dec. 28....	4	4	
Do.....	Jan. 1-Apr. 5....	44	39	May 4-17, 1919: Deaths, 65. May 18-31, 1919: Cases, 71.
Ecuador:				
Duran.....	Feb. 16-Mar. 16....	2	1	
Guayaquil.....	July 1-Dec. 31....	20	7	
Do.....	Jan. 1-Apr. 15....	55	17	
Taura.....	Dec. 16-31.....	1	1	
Egypt:				
Cities—				
Alexandria.....	Mar. 23.....	1	1	
Suez.....	Jan. 31-Apr. 7....	40	25	
Provinces—				
Assiout.....	Feb. 24-Apr. 5....		9	1 septicemic.
Girgeh.....	Feb. 22-Mar. 22....	10	5	2 pneumonic.
Minieh.....	Feb. 21-27.....	2	2	1 pneumonic.

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

Reports Received from Dec. 28, 1918, to June 6, 1919—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India				
Bombay	Aug. 18-Dec. 28	41	29	Sept. 23-Dec. 28, 1918: Cases, 24,278; deaths, 18,369. Dec. 29, 1918-Mar. 1, 1919: Cases, 25,506; deaths, 19,401. Mar. 9-15, 1919: Cases, 13,981; deaths, 5,402.
Do.	Jan. 12-Mar. 22	68	52	
Calcutta	Dec. 22-23	1	1	
Do.	Jan. 12-Apr. 5	83	17	
Karachi	Oct. 19-Dec. 28	17	17	
Do.	Dec. 29-Apr. 12	55	44	
Madras	Dec. 8-28	26	17	
Do.	Dec. 29-Apr. 5	206	117	
Madras Presidency	Oct. 13-Dec. 28	1,152	774	
Do.	Dec. 29-Apr. 19	2,583	1,743	
Rangoon	Oct. 5-Dec. 21	84	81	Oct. 27-Nov. 2, 1918: Cases, 142; deaths, 38.
Do.	Dec. 29-Mar. 23	230	220	
Indo-China				
Anam	July 1-Oct. 31	42	36	July 1-Oct. 21, 1918: Cases, 161; deaths, 145.
Cambodia	do.	72	72	
Cochin-China	do.	65	35	
Saigon	Oct. 7-Nov. 24	5	1	City and vicinity.
Do.	Jan. 13-Apr. 6	23	19	
Kwang-Chow-Wan	July 1-31	1	1	
Java:				
East Java				Oct. 7-Nov. 18, 1918: Cases, 109; deaths, 109. Jan. 1-Feb. 25, 1919: Cases, 179; deaths, 179.
Surabaya (district)	Oct. 7-Dec. 31	92	92	
Do.	Jan. 1-Feb. 25	49	49	Sept. 25-Oct. 16, 1918: Cases, 14; deaths, 14. Jan. 30-Feb. 11, 1919: Cases, 110; deaths, 110.
Mid-Java				
Samarang	Sept. 25-Oct. 16	6	6	
Mesopotamia:				
Bagdad	Nov. 16-29	5	2	
Do.	Feb. 22-Mar. 14	65	20	
Siam:				
Bangkok	Sept. 21-Oct. 12	6	5	
Do.	Jan. 19-Feb. 22	7	6	
Venezuela:				
Caracas	Dec. 30	1	1	
On vessel:				
S. S. Japan	Jan. 14	1	1	At Suez quarantine station from Bombay.
S. S. Sparta	May 21	1	1	At Liverpool, England, from Bombay.

SMALLPOX.

Algeria:				
Algiers	Oct. 1-Dec. 31	2	1	
Do.	Mar. 1-31	1	1	
Austria				
Vienna	Dec. 1-Jan. 11	6	6	Dec. 1, 1918-Jan. 11, 1919: Cases, 68. Jan. 12-Feb. 8, 1919: Cases, 57.
Bohemia				
Gablonz	Mar. 1-31	26	26	Feb., 1919: Reported prevalent. Mar., 1919: Cases, 57.
Brazil:				
Rio de Janeiro	Dec. 1-28	46	19	Oct. 6-12, 1918: Cases, 15; deaths, 10.
Do.	Dec. 30-Jan. 25	25	11	
Sao Paulo	Mar. 3-16	2	2	
British East Africa:				
Mombasa	Sept. 1-Nov. 30	6	1	
Canada:				
New Brunswick—				
Campbellton	Dec. 22-23	1	1	
Do.	Jan. 5-18	2	2	
St. John	Nov. 8-14	3	3	
Do.	Jan. 20-Feb. 22	6	6	
Nova Scotia—				
Bear River	Dec. 29-Jan. 4			Present.
Bigbee	Jan. 10			Do.
Cape Sable Island	May 13			Present on south side.
Digby	Jan. 4			Present.
Halifax	Dec. 7-28	10	10	
Do.	Jan. 5-May 17	361	361	
Middleton	Dec. 29-Jan. 4			Do.
Sydney	Jan. 5-Mar. 8	4	4	
Do.	Mar. 23-May 10	10	10	

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

Reports Received from Dec. 23, 1918, to June 6, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario—				
North Bay.....	Jan. 19-25.....	1		
Ottawa.....	Jan. 12-Apr. 12.....	13		
Toronto.....	Feb. 2-15.....	2		
Do.....	Mar. 16-22.....	1		
Prince Edward Island—				
Charlotte Town.....	Feb. 27-Apr. 16.....	2		
Quebec—				
Montreal.....	Jan. 24-Dec. 21.....	2		
Do.....	Jan. 12-May 10.....	32		
Paspebiac.....	Jan. 12-Mar. 8.....	8		
Quebec.....	Dec. 15-21.....	1		
Do.....	Dec. 29-May 17.....	23		
Ceylon:				
Colombo.....	Jan. 12-Mar. 20.....	4		
China:				
Amoy.....	Oct. 13-Dec. 28.....			Present.
Do.....	Mar. 11-Apr. 12.....	4	3	Do.
Antung.....	Feb. 10-16.....	1		
Do.....	Feb. 24-Mar. 2.....	1		
Canton.....	Nov. 17-23.....			Do.
Do.....	Feb. 9-15.....			Do.
Changsha.....	Mar. 16-Apr. 12.....	5		
Chungking.....	Nov. 10-Dec. 28.....			Do.
Do.....	Jan. 5-Apr. 5.....			Do.
Foochow.....	Nov. 24-Dec. 28.....			Do.
Do.....	Dec. 29-Apr. 5.....			Do.
Hongkong.....	Dec. 15-21.....	1	1	
Do.....	Feb. 2-8.....	1		
Do.....	Feb. 16-Apr. 12.....	9	3	
Nanking.....	Dec. 1-28.....			Do.
Do.....	Dec. 29-Apr. 19.....			Do.
Shanghai.....	Jan. 20-26.....	1		
Tsingtao.....	Mar. 3-9.....	1		
Chosen (Korea):				
Chemulpo.....	Nov. 1-Dec. 31.....	15	4	
Do.....	Jan. 1-Feb. 28.....	16	6	
Fusan.....	Feb. 1-28.....		5	
Seoul.....	do.....	1		
Colombia:				
Barranquilla.....	Apr. 6-12.....		1	
Denmark:				
Copenhagen.....	Nov. 9-Dec. 28.....	12		
Do.....	Dec. 29-Apr. 5.....	101		
Egypt:				
Alexandria.....	Dec. 17-23.....	1	1	
Do.....	Jan. 22-Apr. 22.....	26	10	
Finland.....				
Provinces.....				
Abo Och Björneborg.....	Jan. 1-Mar. 31.....	90		
Kuopio.....	do.....	169		
Nyland.....	do.....	21		
St. Michael.....	do.....	120		
Tavastehus.....	do.....	9		
Aleaborg.....	do.....	1		
Vasa.....	do.....	6		
Viborg.....	do.....	362		
France:				
Bordeaux.....	Feb. 8-13.....		1	
Brest.....	Feb. 2-8.....	1		
Paris.....	Mar 2-Apr. 19.....	13	3	
Germany.....				
Dresden.....	Nov. 24-Dec. 7.....	18		
Halle.....	do.....	4		
Friedland.....	do.....	1		
Königsberg.....	do.....	3		
Schkeuditz.....	do.....	1		
Tilsit.....	do.....	1		
Torgau.....	do.....	1		
Germany.....				
Aix-la-Chapelle (district).....	Dec. 8-Jan. 11.....	17		Dec. 8, 1918-Jan. 11, 1919: Cases, 177. Additional cases reported later, 54, for week ended Jan. 11.
Cassel.....	do.....	10		
Bamberg.....	do.....	3		
Dorffthal.....	do.....	8		District of Gumbinnen.
Dresden.....	Dec. 8-Feb. 15.....	247		26 additional cases reported later at Dresden.
Halle.....	Dec. 8-Jan. 11.....	5		
Hanover.....	do.....	7		Among interned Russians.

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

Reports Received from Dec. 28, 1918, to June 6, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany—Continued.				
Königsberg.....	Dec. 8-Jan. 11.....	15		
Kottowitz.....	.....do.....	5		
Meyrode.....	.....do.....	6		
Riesa.....	.....do.....	4		District of Dresden.
Great Britain:				
Liverpool.....	Jan. 26-Mar. 15....	7		Of these, 2 from vessels.
London.....	Mar. 9-Apr. 19....	7	1	
Greece:				
Saloniki.....	Feb. 2-Apr. 5.....		42	
India:				
Bombay.....	Aug. 18-Dec. 28... 35	8		
Do.....	Dec. 28-Mar. 22... 430	179		
Calcutta.....	Sept. 29-Dec. 28... 17			Reports for weeks ended Nov. 23,
Do.....	Dec. 28-Apr. 5..... 406			1918, and Mar. 29, 1919, missing.
Karachi.....	Sept. 29-Dec. 28... 13	4		
Do.....	Dec. 28-Apr. 12... 144	61		
Madras.....	Oct. 5-Dec. 28.... 62	40		
Do.....	Dec. 29-Apr. 19... 295	131		
Rangoon.....	Oct. 20-Dec. 21... 32	6		
Do.....	Dec. 29-Mar. 22... 817	305		
Indo-China:				
Anam.....	July 1-Oct. 31..... 146	67		
Cambodia.....	Aug. 1-Oct. 31..... 165	74		July 1-Oct. 31, 1918: Cases, 620;
Cochin-China.....	July 1-Oct. 31..... 400	112		deaths, 264.
Do.....	Oct. 7-Dec. 22.... 20	5		
Do.....	Dec. 30-Apr. 6.... 119	21		City and vicinity.
Do.....	July 1-Oct. 31..... 20	1		
Italy:				
Andria.....	Mar. 10-16..... 1			Province of Bari.
Barletta.....	Mar. 3-9..... 2			Do.
Genoa.....	Jan. 9-Mar. 15.... 4	2		
Lecce (Province).....	Feb. 17-23..... 2			
Leghorn.....	Apr. 14-30..... 1			
Messina.....	Mar. 2-30..... 4			Cases reported in several locali-
Naples.....	Mar. 10-16..... 2			ties in Province.
Palermo.....	Jan. 31-Apr. 16... 53	2		
Turin.....	Jan. 27-Mar. 23... 9	2		
Japan:				
Kobe.....	Oct. 26-Dec. 28... 186	46		
Do.....	Dec. 29-Apr. 19... 556	195		
Nagasaki.....	Mar. 31-Apr. 6.... 3			
Nagoya.....	Mar. 2-15..... 2			
Taihoku.....	Jan. 15-Apr. 15... 151	18		Island of Formosa.
Yokohama.....	Jan. 20-25..... 1			
Java:				
East Java.....				Oct. 7-Dec. 31, 1918: Cases, 22;
Surabaya (district).....	Oct. 7-Dec. 31..... 16			deaths, 1. Jan. 1-Feb. 25, 1919,
Do.....	Jan. 1-Feb. 25.... 4	2		Cases, 4; deaths, 3.
Mid-Java.....				Sept. 25-Dec. 18, 1918: Cases, 172;
				deaths, 3. Jan. 24-30, 1919:
				Case, 1.
West Java.....				Oct. 2-Dec. 11, 1918: Cases, 809;
Batavia.....	Oct. 2-Dec. 11.... 185	151		deaths, 263. Dec. 27, 1918-
Do.....	Dec. 27-Mar. 27... 49	27		Mar. 27, 1919: Cases, 456;
				deaths, 99.
				Sept. 1-Oct. 16, 1918: Cases, 44.
Lithuania.....				
Manchuria:				
Dairen.....	Jan. 15-21..... 1			
Do.....	Feb. 22-Apr. 14... 4		2	
Mesopotamia:				
Bagdad.....	Oct. 11-Dec. 27... 308	97		
Do.....	Dec. 28-Feb. 9.... 8			
Mexico:				
Ciudad Juarez.....	Nov. 24-30..... 1			
Guadaluajara.....	Mar. 1-31..... 1			
Do.....	Mar. 29-Apr. 5..... 1			
Mexico City.....	Sept. 22-Dec. 28... 23			
Do.....	Dec. 29-May 3.... 28			
Vera Cruz.....	Feb. 10-Apr. 12... 2		1	
Newfoundland:				
St. Johns.....	Dec. 6-20..... 4			Outports—Dec. 6-27, 1918: Cases,
Do.....	Jan. 24-May 16... 42			78. Dec. 28, 1918-May 16, 1919:
				Cases, 307.
Panama:				
Colon.....	Dec. 15-21..... 1			Aug. 1-31, 1918: Cases, 133, oc-
Do.....	Dec. 29-Feb. 9.... 8			curing at Colon, Panama, and
				points in the interior. Jan.
				1-25, 1919: Cases, 28.

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

Reports Received from Dec. 28, 1918, to June 6, 1919—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	Nov. 2-16.....	5	3	
Do.....	Dec. 29-Apr. 12.....	41	21	Varioloid, 16.
Portugal:				
Lisbon.....	Nov. 16-Dec. 28.....	843		
Oporto.....	Mar. 9-Apr. 26.....	128	83	
Portuguese East Africa:				
Lourenco Marques.....				July 1-Oct. 31, 1918: 45 fatal cases.
Siberia:				
Vladivostok.....	Nov. 1-3.....	4		
Do.....	Jan. 17-23.....		1	
Do.....	Feb. 1-Mar. 15.....	16	1	
Spain:				
Barcelona.....	Jan. 9-Feb. 11.....		5	
Do.....	Feb. 19-Apr. 9.....	2	2	
Bilbao.....	Jan. 1-Feb. 20.....	6		
Cadiz.....	Oct. 1-Dec. 31.....	18		
Do.....	Jan. 1-Mar. 31.....		35	
Madrid.....	Sept. 1-Oct. 31.....	153		
Do.....	Jan. 1-Mar. 31.....		81	
Seville.....	Nov. 1-Dec. 31.....		8	
Do.....	Jan. 1-Mar. 31.....		5	
Valencia.....	Nov. 10-Dec. 21.....	40	9	
Do.....	Dec. 29-Jan. 25.....	93	10	
Do.....	Feb. 16-Apr. 26.....	516	45	
Straits Settlements:				
Penang.....	Oct. 6-12.....	1		
Singapore.....	Feb. 2-22.....	3		
Sweden:				
Stockholm.....	Feb. 2-8.....		1	
Union of South Africa:				
Cape Town.....	Aug. 1-30.....	1		
Do.....	Dec. 21-Jan. 31.....	1		
Johannesburg.....	Aug. 1-Oct. 31.....	12		Nov. 1-30: Cases, 4.

TYPHUS FEVER.

Algeria:				
Algiers.....	Nov. 1-30.....	1		
Austria:				
Vienna.....	Dec. 1-Jan. 11.....	110		Dec. 1, 1918-Jan. 11, 1919: Cases, 125. Jan. 12-Feb. 8, 1919: Cases, 157.
Do.....	Jan. 12-Feb. 8.....	119		Occurring almost exclusively in repatriated soldiers and their contacts.
Hungary:				
Budapest.....	Sept. 2-8.....	2		Sept. 9-Nov. 26, 1918: Cases, 110; deaths, 8. Nov. 27, 1918-Jan. 12, 1919: Cases, 210.
Do.....	Sept. 9-Nov. 26.....	73	2	
Pressburg.....	Nov. 27-Jan. 12.....	159		
Tyrnau.....	Sept. 9-Nov. 26.....	11	1	
Szatmarnemeti.....	Nov. 4-26.....	1		
do.....	do.....	1		Present, county of Bihar.
Brazil:				
Ceara.....	Sept. 14-21.....	1		
Rio de Janeiro.....	Dec. 15-22.....	2		
Do.....	Dec. 29-Feb. 15.....	28	3	
Sao Paulo.....	Jan. 13-19.....	3		
Bulgaria:				
Aeteven.....	Mar. 10.....			Present.
Rustchuk.....	do.....			Do.
China:				
Antung.....	Dec. 2-15.....	2		
Do.....	Jan. 6-Apr. 20.....	3	1	
Chosen (Korea):				
Fusan.....	Feb. 1-28.....	1	1	
Seoul.....	Jan. 1-Feb. 28.....	12	1	
Colombia:				
Barranquilla.....	Nov. 8-Dec. 28.....		3	
Do.....	Jan. 5-Mar. 8.....	2	3	
Egypt:				
Alexandria.....	Oct. 14-Dec. 31.....	85	36	
Do.....	Jan. 1-Apr. 22.....	627	163	Confined to one quarter of city and mostly to natives. Oct. 20-Nov. 7, 1918: Cases, 12; deaths, 1.

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

Reports Received from Dec. 28, 1918, June 6, 1919—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Finland:				
Provinces—				
Abo Och Björneborg	Jan 1-Mar. 31	53		
Nyland	do	16		
Uleaborg	Mar. 1-31	1		
France:				
Marseille	do		31	Apr. 26, 1919, present in 2 civil and 2 military prisons.
Germany:				
Breslau	Sept. 20-Oct. 19	12	8	
Gumbinnen district	Oct. 20-Nov. 7	1		
Dresden	do	1		
Griefswald	do	1		
Godullahutte	do	1		
Königsberg	Sept. 29-Oct. 19	3	1	
Königshttte	Oct. 20-Nov. 7	1	1	
Magdeburg	do	2		
Mostalten	Sept. 29-Oct. 19	7	2	District of Allenstein.
Oppeln district	Oct. 20-Nov. 7	5		
Great Britain:				
Cork	Feb. 2-22	4		
Glasgow	Dec. 22-28	5		
Do.	Jan. 5-Feb. 8	9	1	
Do.	Mar. 9-15	1		
Greece:				
Athens	Mar. 8	2	2	
Saloniki	Sept. 29-Dec. 21		34	
Do.	Dec. 29-Apr. 5		107	
Italy:				
Bari	Feb. 3-9	19		In soldiers returning from Black Sea.
Leghorn	Apr. 14-27	9	2	
Naples	Feb. 3-9	3		
Taranto	do	2		Do.
Japan:				
Nagasaki	Nov. 10-Dec. 29	13	4	
Do.	Dec. 30-Apr. 20	38	5	
Java:				
East Java				
Surabaya	Oct. 7-21	4		Oct. 7-21, 1918: Cases, 5.
Mid-Java				
West Java				Sept. 25-Oct. 16, 1918: Cases, 3.
Batavia	Oct. 2-23	15	4	Oct. 2-23: Cases, 31; deaths, 6.
Lithuania:				
				Sept. 1-Oct. 26, 1918: Cases, 539; deaths, 26.
Macedonia:				
Drama	Mar. 17			Present.
Pirrus	Mar. 21			Do.
Kavala	Mar. 17	300		Estimated.
Mesopotamia:				
Bagdad	Oct. 5-Dec. 27	2		
Do.	Dec. 28-Mar. 21	9		
Mexico:				
Aguascalientes	Feb. 2-23		3	
Do.	Mar. 24-Apr. 13		4	
Guadalajara	Nov. 1-Dec. 31	4	1	
Do.	Jan. 1-Mar. 31	4	2	
Mexico City	Sept. 22-Dec. 28	434		
Do.	Dec. 29-May 3	644		
Netherlands:				
Amsterdam	Dec. 8-14	1		
Do.	Jan. 12-18	4		
Delit	Feb. 26			Present
Harlem	do			Do.
Leiden	do			Do.
Limburg	do	5	1	Mining district.
Rotterdam	Feb. 2-Apr. 5	504	89	Jan. 30-Feb. 27, 1919: Cases, 462; deaths, 46.
Schiedam	Feb. 26			Present. Sept. 29-Oct. 26, 1918: Cases, 572; deaths, 50.
Poland:				
Lodz	Sept. 29-Oct. 26	55	8	
Warsaw	do	111	13	
Portugal:				
Braga	Mar. 24			
Oporto	Mar. 8-Apr. 26	724		
Russia:				
Archangel	Jan. 15-Mar. 15	233	61	

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

Reports Received from Dec. 28, 1918, to June 6, 1919—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Serbia:				
Belgrade.....	Feb. 5.....	62		Among soldiers and prisoners.
Siberia:				
Vladivostok.....	Sept. 1-Dec. 30....	43		
Do.....	Jan. 17-Mar. 15....	143	15	
Spain:				
Huelva.....	Oct. 1-31.....		2	
Madrid.....	Dec. 1-31.....		1	
Tunis:				
Tunis.....	Apr. 12-25.....	2	1	
Ukraine.....				Apr. 5, 1919: Reported to be spreading.
Union of South Africa:				
Port Elizabeth.....	Sept. 14-28.....			Present among natives in several interior towns.

YELLOW FEVER.

Brazil:				
Bahia.....	Jan. 12-Mar. 1.....	5	2	
Pernambuco.....	Oct. 1-Nov. 30....	2	1	
Colombia:				
Cartagena.....	Jan. 29-Feb. 4.....		4	
Ecuador:				
Babahoyo.....	Nov. 1-30.....	1		
Do.....	Mar. 1-15.....	1		
Catarama.....	Feb. 1-15.....	1		
Chobo.....	Jan. 1-15.....	1		
Daule.....	do.....	1	1	
Duran.....	Nov. 1-Dec. 31....	3	2	
Do.....	Jan. 16-Mar. 15....	5	1	
Guayaquil.....	July 1-Dec. 31....	326	177	
Do.....	Jan. 1-Mar. 31....	124	68	
Hacienda Vainilla.....	Feb. 16-28.....	1		
Milagro.....	Nov. 1-15.....	1		
Do.....	Feb. 1-Mar. 15....	2	1	
Naranjal.....	Nov. 1-15.....	1	1	
Do.....	Jan. 1-15.....	1	1	
Naranjito.....	Nov. 1-15.....	1	1	
Do.....	Jan. 1-Feb. 28....	2	2	
Payo (Hacienda).....	Nov. 1-15.....	1		
Punta de Piedra.....	Nov. 1-30.....	1		
Salvador:				
San Salvador.....	Jan. 9.....	1		
On vessel:				
S. S. Jamaica.....	Jan. 30.....	1		At quarantine station, Canal Zone, Panama.