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VIRULENT SMALLPOX.

WORCESTER, MASS.

During the five weeks ended June 2, the health department of Worcester, Mass., reported the occurrence of 18 cases of smallpox, with 4 deaths.

EPIDEMIC CEREBROSPINAL MENINGITIS.

RECORDED PREVALENCE BY STATES, 1916.

The table which follows shows the recorded prevalence of epidemic cerebrospinal meningitis in the several States during the calendar year 1916. The data were furnished by the health departments of the respective States.

Epidemic Cerebrospinal Meningitis Reported During the Calendar Year 1916.

State.	Cases reported.	Deaths registered.	Indicated case rate per 1,000 inhabitants.	Indicated fatality rate per 100 cases.	Estimated population July 1, 1916.
Alabama.....	45	19	0.019	42.22	2,332,608
California.....	64	14	.022	21.88	2,938,654
Colorado.....	2		.002		962,060
Connecticut.....	73	32	.059	43.84	1,244,479
District of Columbia.....	7	4	.019	57.14	363,980
Hawaii.....	14	8	.065	57.14	215,741
Indiana.....		52			2,816,817
Kansas.....	54		.030		1,829,545
Louisiana.....		39			1,829,130
Maine.....	1		.001		772,489
Maryland.....	44	14	.032	31.82	1,362,807
Massachusetts.....	150	132	.040	88.00	3,719,156
Minnesota.....	46	24	.020	52.17	2,279,603
Mississippi.....	30		.015		1,951,674
Montana.....		60			459,494
New York.....	327	284	.032	86.85	10,273,375
Ohio.....	152		.030		5,150,356
Oregon.....	3	1	.004	33.33	835,471
Pennsylvania.....	162		.019		8,522,017
Rhode Island.....	21	21	.034	100.00	614,315
South Carolina.....		23			1,625,475
Vermont.....	7	4	.019	57.14	368,669
Virginia.....		292			2,192,019
Washington.....		40			1,534,221
West Virginia.....	28		.020		1,396,038
Wisconsin.....		389			2,500,358

MORBIDITY STATISTICS OF HOSPITALS.

THE NEED FOR MORBIDITY STATISTICS OF GENERAL HOSPITALS, SPECIAL HOSPITALS, SANATORIA, ETC., AND MEANS FOR THEIR COLLECTION AND PUBLICATION.¹

By EDWIN W. KOFF, assistant statistician, Metropolitan Life Insurance Co., New York City.

Historical Aspects of Hospital Morbidity Experience.

Systematic inquiry into the morbidity statistics of hospitals seems to have been established a little more than a half century ago in England through the efforts of Florence Nightingale and Dr. Farr. Civil and military hospital administration of that day was confronted with the definite and acute public-health situation of a scandalously high mortality of patients from the so-called "hospital diseases"—septicemia, gangrene, and erysipelas—and with a growing public demand for radical changes in hospital construction and management. For one thing, mortality among hospital patients, especially in large cities, was very much higher than among patients suffering from the same classes of diseases out of hospitals.

In 1858 Miss Nightingale drew up a standard list of diseases and conditions (selected from the Farr-d'Espine system) and a set of uniform statistical tables adapted for use in the tabular abstraction of experience data of individual hospitals. These two fundamentals in hospital morbidity statistics she urged in a paper before the National Association for the Promotion of Social Science as points of agreement for the cooperative study of the sanitary aspects of hospital experience with the several diseases and conditions. These she proposed to consider in relation to defects of (1) undue agglomeration of patients under one roof, (2) deficiency of space per bed, (3) deficiency in ventilation and light, and in relation to auxiliary problems of hospital sites, plumbing, the preparation of food for patients, the training of nursing personnel, and the equipment of wards.

In 1859 a number of London hospitals were persuaded to experiment with the proposed statistical system. On the basis of the experience with this nomenclature and classification and with the set of uniform tabulation forms, a paper was prepared for the section on sanitary statistics of the International Statistical Congress in London, 1860. The paper was approved by the congress and was afterward extensively circulated among physicians and hospital officials. Large quantities of the forms were supplied to hospitals in various parts of the United Kingdom. The Paris hospitals took up the plan; Guy's Hospital, London, prepared a statistical examination of its experience for the years 1854 to 1861; the St. Thomas Hospital study covered the years 1857 to 1860. St. Bartholomew's

¹ Read before the annual conference of State and Territorial Health Authorities with the United States Public Health Service, Washington, Apr. 30 and May 1, 1917.

Hospital analyzed its records for 1860. At a meeting held at Guy's Hospital on June 21, 1861, it was unanimously agreed to adopt a uniform plan of registration, that each hospital should publish its statistics annually, and that the forms designed by Miss Nightingale should be used so far as practicable. The noteworthy statistical investigations of Dr. J. C. Steele¹ and Dr. William A. Guy² probably issued directly from Miss Nightingale's suggestions.

The 1858 paper by Miss Nightingale had a wholesome effect upon hospital construction and administration in the United Kingdom. Miss Nightingale recorded in 1863: "Since the publication of the first edition of that paper, great advances have been made in the adoption of sound principles of hospital construction; and there are already a number of examples of new hospitals realizing all, or nearly all, the conditions required for the successful treatment of the sick and maimed poor."³ Our pavilion system of hospital construction and the modern institution of trained nursing date practically from this period of reform in hospital construction and management, founded upon an impartial and complete analysis of institutional sickness experience.

Discussion of hospital morbidity experience and its underlying problems of nomenclature and classification of diseases and of ways and means of properly presenting data, has proceeded through the half century or more since the fundamentals were outlined by Florence Nightingale.

In America, we are indebted to Dr. Henry Brooks Baker for an able treatment of our general subject in his "Sickness Statistics Report of the Committee on Vital Statistics of the National Conference of State Boards of Health" in 1892; to the National Board of Health in 1880 for an attempt to construct a nomenclature and classification of diseases for use in the United States; and to Bellevue and allied hospitals for a nomenclature and classification adapted to the International List of Causes of Sickness and Death. Quite recently, Dr. Charles Frederick Bolduan⁴ suggested a mode of collecting hospital medical statistics in a large city. Mr. Frederick L. Hoffman's "Statistical Experience Data of the Johns Hopkins Hospital, 1892 to 1911,"⁵ is the latest American treatise on the general principles and practice of hospital statistics.

¹ "Mortality of Hospitals, General and Special, in the United Kingdom in Times Past and Present." Jrl. Royal Stat. Soc., June, 1877.

² "Mortality in London Hospitals." Jrl. Royal Stat. Soc., April, 1867.

³ Nightingale, Florence. "Notes on Hospitals." 3d edition, 1863.

⁴ "Hospital Morbidity Statistics." New York Medical Journal, Mar. 29, 1913.

⁵ Johns Hopkins Hospital Reports. Monographs. New series, No. IV, 1913.

Need for a Federal Voluntary Registration Area for Hospital Morbidity Statistics.

Problems in the public health aspects of modern hospital economy—in the efficient administration of hospitals and the adaptation of hospital systems to established community needs—are still far from being considered in the impartial light of collected statistical experience. The hospital situation in a medical center like Philadelphia, for instance, can not be appraised in terms of public health values for lack of comprehensive and informing records of the experience data. Any endeavor to ascertain the degree of correspondence between the hospital results for the more important diseases and conditions and the community fatality rates for these diseases and conditions must end in failure because of fundamental deficiencies in the available hospital reports. The comparative efficiency of the several hospitals attached to the various centers of medical education and research in that city can not be even approximately determined. In the published reports of the University Hospital in Philadelphia, for instance, the different departments employ systems of nomenclature and tabular presentation utterly at variance with each other. This makes it impossible to determine the complete experience of even this single hospital with respect to any one disease or a group of diseases and conditions.

Similar confusion exists in other large cities of the United States. Hospital care of sickness as a public health measure is at present without any adequate gauge.

The proper preparation of hospital statistical data should be viewed by public health workers as an additional step toward one ideal of preventive medicine—the continuous and complete registration, for purposes of reflective analysis, of all serious sickness. Approval of the model State law for morbidity reports by this conference four years ago at Minneapolis was a positive move in this direction. The registration and statistical analysis of hospital morbidity data in a Federal voluntary area can be accomplished if a sufficient number of representative general and special hospitals will agree (*a*) to adopt in common a nomenclature and classification of diseases and conditions and (*b*) if they will transmit to a central Federal agency detailed tabulations of their sickness experience upon a set of uniform reporting schedules. These fundamentals will be considered in some detail.

Standard Nomenclature and Classification of Diseases.

At present, the Bellevue and Allied Hospitals (New York City) nomenclature of diseases and conditions is the one most in favor for use in a cooperative statistical study of hospital morbidity experience. The existence of other and supplementary systems of nomenclature and classification, each with its special excellencies, the outgrowth of

contact with original situations not within the purview of Bellevue experience, suggests the construction of a standard manual for the use of American hospitals, based upon agreement between the several systems. Attention is directed to the possibility of combining the joint excellencies of the forthcoming report of the United States Public Health Service Board of Nomenclature, the United States Public Health Service tentative nomenclature of diseases and conditions and of parasites and parasitic diseases, the United States Navy classification of injuries, the nosologic system of the International Commission for the Unification of the Medical Statistics of Armies (Berlin agreement, 1907), the International Association of Industrial Accident Boards and Commissions' classification of injuries (by location, nature, and extent of injury and degree of disability), and the International List of Causes of Sickness and Death as used by the Census Bureau, the United States Army, Massachusetts General Hospital, and by Bellevue Hospital. Details of classification methods can not be referred to here. These must be left to a competent committee of nosologists. The practical working of an approved system of nomenclature and classification in a group of representative hospitals will benefit the hospitals themselves by eliminating much of the present confusion over record filing and finding. Physicians trained in these hospitals will go into private and other practice with an adequate conception of the urgency of consistency in the use of medical terms. This will favorably affect the vital statistics prepared from the birth, death, and sickness reports submitted by these physicians later on in general practice.

Schedulizing the Data.

As a basis of experimental procedure I would suggest the schedule plan which was so eminently successful in England during the early 1860's. The preparation of fairly complete displays of hospital sickness experience, in a series of fundamental tables, rather than the complete transcription of the original case record, is indicated for purposes of a voluntary Federal Registration Area. Individual hospitals may wish at the same time they report their experience to the central agency, to prepare an "annual report" for themselves.

The transcription of items from the basic hospital record card and the compilation of the statistics from this "transcript" in the central Federal clearing agency for these public health data, should not be attempted at the beginning, but only after the need for such transcription has been definitely established. The standardization of case record and discharge record forms may or may not be indicated by practical experience. Clerical and printing costs will be saved at the outset, it is believed, by placing emphasis only on standardization of nomenclature and of the tabulation schedule upon which the

individual hospital should report its experience. Hospitals will be the more ready to agree to enter a voluntary Federal registration area if such action will not seriously disturb present record routine or run up clerical costs.

The tabulation of hospital experience in its public health aspects should recognize, at the outset of the experiment, only the chief items of disease or condition in relation to sex and age and to condition on discharge. The entire experiment should not fail because of initial over-emphasis upon relatively unimportant statistical detail. The successful experiment in England recognized seven "primary tabulation elements":

1. Patients remaining in hospital on the first day of the year.
2. Admitted during the year.
3. Discharged as "recovered," "improved," or "relieved" during the year.
4. Discharged as "incurable," "dying," "unrelieved," for irregularities, or at own request.
5. Died during the year.
6. Remaining in hospital on the last day of the year.
7. Mean duration of cases in days and fractions of a day.¹

Each of these "elements" could be presented as a table, duly classified in the stub or left-hand side of the table by disease or condition according to the accepted nomenclature, and by sex and age period in the boxheadings at the top of the table. The age classification might be chosen so as to show cases of sickness by single months under three months of age, by quarters thereafter up to one year and by single years up to five. After five years, quinquennial periods might be shown up to age twenty-five, then by 10-year periods up to the very advanced ages. This classification could be readily converted, for purposes of international comparative hospital morbidity statistics, into the distribution of ages outlined in the "standard million" of population in England and Wales in 1901.

The individual hospital could prepare two copies of these primary tabulation schedules, (1) for transmission to the central Federal agency and (2) for the preparation of that hospital's own report to its trustees or board of managers. The schedules submitted by the cooperating hospitals to the central agency could be economically combined under modern statistical practice as required by the publication program. The material displayed on the primary schedules permits the computation of the various "discharge" or "disposition" rates by sex and age for the diseases and conditions in the experience, on the basis of "mean number of sick under treatment."

¹ A slightly different mode of tabulating these data is recommended: (a) Either the sum of "hospital days" can be entered in the disease-sex-age categories, or (b) cases may be classified by "days in hospital" in each disease-sex category without respect to age period. The first method would facilitate the computation of "mean duration of cases in days" for the aggregate experience.

End Results of a Voluntary Registration Area.

The statistical development of the tabulated data submitted to the central Federal agency would afford, for the first time in America, some foundation for a comparative public health study of hospital results. The relative efficiency of the several types of general hospitals, of systems of nursing, and of modes of treatment can be determined by competent statistical study of sufficiently representative hospital morbidity data. Hospital experience with the several diseases and conditions may or may not be correlative with the general facts of community vital statistics. Only a presentation and study of the data from both sources can determine the place of hospital care of sickness in the public health movement. What is the effect of an improvement in hospital results for pneumonia, as an instance, upon the death rate of this disease? Has a decline in puerperal sepsis and other abnormal puerperal conditions in hospital experience affected the general facts of maternal mortality in the community at large? These are only two stated public health problems which await statistical data of general hospital experience; there are, of course, numerous others at present without means of solution. These problems will be fully stated, no doubt, as soon as it becomes known that data for their study are to be made available.

Statistical Problem of the Special Hospital.

Hospitals and sanatoria for the exclusive treatment of tuberculosis, mental diseases, cancer, drug addiction and other special diseases, have an opportunity for service to their individual fields and to the public health movement.

Tuberculosis.

Professor Karl Pearson in his "The Fight against Tuberculosis and the Death Rate from Phthisis" questions the place of sanatorium treatment of tuberculosis in the general movement for the study and control of the disease.¹ Dr. Lee K. Frankel in his "Plea for a Federal Commission on Tuberculosis" asks us to reassemble our facts on the public health aspects of tuberculosis and determine whether we should proceed along the lines we have laid down or establish new criteria, and new bases for future action.² The special hospitals for tuberculosis should, therefore, enter upon a comprehensive cooperative effort to study their experience data.

¹ Publications of Department of Applied Statistics, University College of London, "Questions of the Day and of the Fray" Series, No. IV, 1911. Also in "Tuberculosis, Heredity and Environment," Eugenic Laboratory Lecture Series, No. VIII, University College of London, Galton Laboratory for National Eugenics, 1912.

² Paper read at Mississippi Valley Conference on Tuberculosis. Sept. 30, 1915. Reprinted by Metropolitan Life Insurance Company, New York City.

The tuberculosis hospitals have the advantage of considerable preliminary work in the standardization of nomenclature through the work of the National Association for the Study and Prevention of Tuberculosis and of the American Sanatorium Association. This work can be made to bear fruit in a cooperative statistical study in association with the Federal voluntary registration area for hospital morbidity statistics.

Mental Diseases.

The vital statistics of hospitals for the treatment of mental diseases have received the close attention of the American Medico-Psychological Association. That organization has a committee on uniform statistical reports; the committee agreed on February 28 and March 1, 1917, upon a nomenclature of mental diseases and upon a set of standard statistical forms for cooperative study. The report of the committee is to be submitted to the general association at its meeting in New York on May 29, at which time the American Medico-Psychological Association will be asked to appoint a standing committee to further the cause of statistical study of mental diseases. A "Registration Area for the Study of Mental Diseases," organized in State groups of hospitals, has been suggested. The admirable statistical reports of the New York State Hospital Commission point to the ultimate success of a broad program of mental disease study. Such a program could very well be incorporated in the "Federal Voluntary Registration Area for Hospital Morbidity Statistics." The control of serious mental ailments is a contemporary public health problem which depends in some degree upon a presentation of the facts through cooperative statistical enterprise.

Cancer.

Dr. E. F. Bashford, director of the Imperial Cancer Research Fund,¹ has suggested means for the systematic utilization of the facts available in cancer hospitals through uniform record forms and the subsequent analysis of the data in a central agency. Mr. Frederick L. Hoffman² points out the value of comparable and trustworthy data of cancer hospitals in the service of cancer study and control. The American Society for the Study and Control of Cancer, through a special committee, has had drawn up a standard blank for hospital cancer records which it recommends for general adoption. The proposed Federal voluntary registration area for hospital morbidity statistics affords opportunity for cooperative study of the disease and for the dissemination of the tabulated data to research workers in the field.

¹Statistical Investigation of Cancer; Second scientific report of the Imperial Cancer Research Fund. Part 1. London, 1905, p. 10.

²"Mortality from Cancer throughout the World," pp. 158-161.

Cooperating special hospitals and sanatoria could use the nomenclature of diseases and conditions outlined for general hospitals in association with standard manuals covering their special subjects.

A beginning has been made in the cooperative statistical study of hospital sickness experience in New York City. Upon Dr. Charles F. Bolduan's suggestion, the interest of the New York City hospitals in the project was aroused. The entire matter of the clerical expense of editing the discharge certificates, of punching statistical cards, and of tabulating the data is at present under consideration. The Metropolitan Life Insurance Co. has offered the use of its statistical facilities, including the editing of certificates, preparation of cards, tabulation of the data, and the supervision of these processes. This study promises statistical results of great value in the public health work of New York City and elsewhere.

When the idea of a Federal voluntary registration area for morbidity statistics was first advanced in the preliminary deliberations of the American Public Health Association Committee on Relations of the 1920 Census to Vital Statistics, it was proposed to collect the data for the next census year through the United States Public Health Service. It is desirable to commence at an early date the active work on the formation of the area through the Public Health Service. The solution of nomenclature and schedulizing problems¹ should be accomplished well in advance of the census year. There are practical difficulties to be encountered and overcome; the working of the cooperative system of registration should be assured by one year, at least, of preliminary experience in the use of the nomenclature. It would be practicable, the writer believes, to have this nomenclature and classification prepared, and the agreements with the hospitals drawn up before January 1, 1919. This would provide a full calendar year of experience before the plan suggested in a preliminary way by the American Public Health Association committee would go into effect during the census year.

¹ The schedulizing suggestions in the earlier part of this paper are manifestly not final in detail. More or less development of the material may be decided upon for some city groups of hospitals, and certainly for special hospitals. Color of patients, medical, surgical, obstetrical, and other classes of patients, "free" and "pay" lists, might be distinguished. Preliminary conference will dispose of these points.

PREVALENCE OF DISEASE.

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

UNITED STATES.

CURRENT STATE SUMMARIES.

California Report for the Week Ended June 9, 1917.

The California State Board of Health reported concerning the status of preventable diseases in California for the week ended June 9, 1917, as follows: Measles, mumps, chicken pox, and whooping cough showed considerable decrease during the week. Scarlet fever showed an increase, cases being widely scattered throughout the State. Sixteen cases of typhoid fever were notified, the distribution being one case each in the cities of Alameda, Berkeley, Oakland, Brawley, Monrovia, and Salinas, and one each in the counties of Kern, Monterey, and San Louis Obispo, two each in San Francisco City and Contra Costa County, and three in Santa Rosa City. Diphtheria was prevalent in San Francisco. One case of poliomyelitis was notified in Long Beach, and one case of smallpox in Alameda.

The details of notifiable disease cases reported in the State during the week ended June 2 are as follows:

Cerebrospinal meningitis.....	1	Pneumonia.....	29
Chicken pox.....	82	Poliomyelitis.....	2
Diphtheria.....	32	Ophthalmia neonatorum.....	1
Erysipelas.....	3	Scarlet fever.....	45
German measles.....	105	Smallpox.....	2
Gonococcus infection.....	25	Syphilis.....	28
Malaria.....	6	Tuberculosis.....	104
Measles.....	448	Typhoid fever.....	8
Mumps.....	148	Whooping cough.....	50

CEREBROSPINAL MENINGITIS.

Kansas.

Collaborating Epidemiologist Crumbine reported June 7, 1917, that two cases of cerebrospinal meningitis had been notified in the State of Kansas, one case at Independence and one at Wichita.

CEREBROSPINAL MENINGITIS—Continued.

Texas—Galveston.

Surg. Bahrenburg reported that on June 7, 1917, one case of cerebrospinal meningitis was notified at Galveston, Tex., in a seaman who had been taken to hospital June 1, 1917, from the British steamship *Custodian* arrived May 22 from Liverpool.

State Reports for April, 1917.

Place.	New cases reported.	Place.	New cases reported.
Colorado:		Ohio—Continued.	
Weld County.....	1	Medina County.....	1
Ohio:		Montgomery County—	
Adams County.....	1	Dayton.....	2
Ashtabula County—		Preble County.....	2
Conneaut.....	1	Scioto County.....	3
Columbiana County.....	1	Stark County.....	4
Cuyahoga County.....	35	Summit County.....	69
Franklin County.....	3	Trumbull County.....	12
Hamilton County.....	4	Total.....	149
Jefferson County.....	3	Washington:	
Lucas County—		Cowlitz County—	
Toledo.....	2	Woodland.....	1
Mahoning County.....	6		

City Reports for Week Ended May 26, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	2		Lynn, Mass.....	1	
Baltimore, Md.....	8	4	Memphis, Tenn.....		1
Birmingham, Ala.....	1		Milwaukee, Wis.....	2	2
Buffalo, N. Y.....	1		Minneapolis, Minn.....	2	
Canton, Ohio.....	2		Nashville, Tenn.....	1	
Chicago, Ill.....	13	5	Newark, N. J.....	5	1
Cincinnati, Ohio.....	2		New Britain, Conn.....	3	
Cleveland, Ohio.....	6		New York, N. Y.....	10	6
Columbus, Ohio.....	2	1	Niagara Falls, N. Y.....	1	
Cumberland, Md.....		1	Oklahoma City, Okla.....		1
Dayton, Ohio.....	1		Orange, N. J.....	2	
Detroit, Mich.....	4	1	Philadelphia, Pa.....	27	7
Duluth, Minn.....	1		Pittsburgh, Pa.....	11	5
Elizabeth, N. J.....		1	Pittsfield, Mass.....	3	2
Everett, Wash.....		1	Providence, R. I.....	1	1
Flint, Mich.....	1		St. Louis, Mo.....	7	7
Fort Wayne, Ind.....	1		South Bend, Ind.....	1	
Hartford, Conn.....	4		Steubenville, Ohio.....	1	
Indianapolis, Ind.....	1		Toledo, Ohio.....	2	1
Kansas City, Kans.....	2		Troy, N. Y.....		1
Kansas City, Mo.....	3	3	Waltham, Mass.....	1	
Lancaster, Pa.....	1		Washington, D. C.....	2	1
Lima, Ohio.....		1	Wilmington, Del.....	1	1
Lowell, Mass.....	2				

DIPHTHERIA.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 957.

ERYSIPELAS.

City Reports for Week Ended May 26, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1	1	Niagara Falls, N. Y.....	2	.....
Baltimore, Md.....	1	1	Northampton, Mass.....	.....	1
Buffalo, N. Y.....	5	.....	Orange, N. J.....	1	.....
Chicago, Ill.....	35	7	Philadelphia, Pa.....	15	4
Cincinnati, Ohio.....	2	.....	Pittsburgh, Pa.....	7	3
Cleveland, Ohio.....	3	1	Pontiac, Mich.....	2	.....
Dayton, Ohio.....	1	.....	Portland, Oreg.....	1	.....
Denver, Colo.....	1	.....	Providence, R. I.....	1	.....
Detroit, Mich.....	12	3	Reading, Pa.....	1	.....
Duluth, Minn.....	3	.....	Rochester, N. Y.....	3	.....
East Chicago, Ind.....	1	.....	Sacramento, Cal.....	2	.....
Hagerstown, Md.....	1	.....	St. Joseph, Mo.....	2	.....
Hartford, Conn.....	2	.....	St. Louis, Mo.....	14	.....
Kalamazoo, Mich.....	1	.....	Schenectady, N. Y.....	1	.....
Los Angeles, Cal.....	3	.....	Seattle, Wash.....	2	.....
Memphis, Tenn.....	1	.....	Tacoma, Wash.....	1	.....
Milwaukee, Wis.....	6	.....	Wichita, Kans.....	1	.....
Nashville, Tenn.....	1	.....	Wilkesburg, Pa.....	1	.....
Newark, N. J.....	9	.....	Williamsport, Pa.....	1	.....
New York, N. Y.....	.....	9			

LEPROSY.

California—Los Angeles.

The California State Board of Health reported June 9, 1917, that a case of leprosy had been notified at Los Angeles, Cal., in the person of H. K., Hawaiian, aged 23 years.

City Reports for Week Ended May 26, 1917.

During the week ended May 26, 1917, 1 case of leprosy was reported in Los Angeles, Cal., 2 cases were reported in New Orleans, La., and 2 cases were reported in New York, N. Y.

MALARIA.

State Reports for April, 1917.

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Arkansas—Continued.	
Calhoun County.....	4	Pope County.....	18
Carroll County.....	1	Saline County.....	10
Clay County.....	1	Sevier County.....	70
Dallas County.....	1	St. Francis County.....	30
Faulkner County.....	9	Washington County.....	1
Garland County.....	2	White County.....	10
Greene County.....	12		
Hempstead County.....	19	Total.....	243
Izard County.....	4		
Jackson County.....	5	Colorado:	
Lafayette County.....	8	Weld County.....	1
Mississippi County.....	1		
Newton County.....	3	Ohio:	
Perry County.....	4	Mahoning County.....	1
Phillips County.....	30		

MALARIA—Continued.**City Reports for Week Ended May 26, 1917.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Charleston, S. C.....	.....	1	Newark, N. J.....	1	.....
Kearny, N. J.....	1	.....	Orange, N. J.....	1	.....
Memphis, Tenn.....	.....	2			

MEASLES.**California—Los Angeles.**

Senior Surg. Brooks reported that during the week ended June 2, 1917, 115 cases of measles were notified at Los Angeles, Cal., making a total of 4,640 cases reported from that city since January 1, 1917.

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 957.

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

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Arkansas—Continued.	
Cleveland County.....	1	Pope County.....	2
Conway County.....	1	Pulaski County.....	2
Dallas County.....	1	Sevier County.....	1
Drew County.....	9	St. Francis County.....	7
Faulkner County.....	2	White County.....	10
Garland County.....	6		
Izard County.....	1	Total.....	64
Jackson County.....	2		
Lafayette County.....	2	Ohio:	
Mississippi County.....	2	Cuyahoga County—	
Perry County.....	1	Cleveland.....	1
Phillips County.....	14		

City Reports for Week Ended May 26, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Austin, Tex.....	.....	1	Nashville, Tenn.....	3	.....
Birmingham, Ala.....	3	.....	New Orleans, La.....	3	2
Charleston, S. C.....	.....	1	Washington, D. C.....	1	.....
Memphis, Tenn.....	.....	2			

PLAGUE.**California—Santa Cruz County—Plague-Infected Squirrels Found.**

Passed Asst. Surg. Williams reported that during the period from May 23 to 29, 1917, six plague-infected ground squirrels were found on the Bauman ranch, 8 miles east of Watsonville, Santa Cruz County, Cal.

PNEUMONIA.

City Reports for Week Ended May 26, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	1	.....	Lowell, Mass.....	8	3
Baltimore, Md.....	5	15	Lynn, Mass.....	2	2
Berlin, N. H.....	2	2	Malden, Mass.....	3	1
Binghamton, N. Y.....	7	5	Manchester, N. H.....	2	2
Braddeck, Pa.....	2	.....	McKeesport, Pa.....	3	3
Brockton, Mass.....	1	3	Medford, Mass.....	2	1
Chelsea, Mass.....	7	4	Nashville, Tenn.....	1	4
Chicago, Ill.....	189	108	Newark, N. J.....	63	14
Cleveland, Ohio.....	33	28	New Bedford, Mass.....	2	.....
Clinton, Mass.....	3	.....	New Castle, Pa.....	2	.....
Dayton, Ohio.....	1	3	Newport, Ky.....	2	2
Detroit, Mich.....	11	40	Northampton, Mass.....	2	1
Dubuque, Iowa.....	3	3	Pasadena, Cal.....	1	.....
Duluth, Minn.....	10	6	Philadelphia, Pa.....	74	49
Everett, Mass.....	2	.....	Pittsburgh, Pa.....	43	21
Fall River, Mass.....	6	3	Pontiac, Mich.....	1	.....
Fitchburg, Mass.....	2	.....	Rochester, N. Y.....	14	4
Flint, Mich.....	2	.....	Saginaw, Mich.....	4	.....
Hagerstown, Md.....	2	.....	Sandusky, Ohio.....	2	.....
Harrisburg, Pa.....	3	2	San Francisco, Cal.....	10	9
Haverhill, Mass.....	5	2	Schenectady, N. Y.....	4	1
Jackson, Mich.....	2	1	Somerville, Mass.....	1	.....
Kalamazoo, Mich.....	2	.....	Springfield, Mass.....	10	3
Kansas City, Kans.....	1	.....	Stelton, Pa.....	3	1
Kansas City, Mo.....	5	18	Waltham, Mass.....	1	.....
Lawrence, Mass.....	5	2	Wichita, Kans.....	1	3
Los Angeles, Cal.....	5	6			

POLIOMYELITIS (INFANTILE PARALYSIS).

Ohio Report for April, 1917.

Place.	New cases reported.	Place.	New cases reported.
Ohio:		Ohio—Continued.	
Allen County—		Scioto County—	
Delphos.....	1	Portsmouth.....	1
Hamilton County—		Summit County—	
Cincinnati.....	3	Akron.....	1
Mahoning County—		Wayne County.....	1
Youngstown.....	1	Williams County.....	1
Muskingum County—			
Zanesville.....	1	Total.....	12
Richland County.....	1		
Sandusky County—			
Fremont.....	1		

City Reports for Week Ended May 26, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Bayonne, N. J.....	1	.....	Newark, N. J.....	2	1
Chicopee, Mass.....	1	.....	New York, N. Y.....	2	.....
Cincinnati, Ohio.....	.....	1	Philadelphia, Pa.....	1	1
Dayton, Ohio.....	1	1	Quincy, Ill.....	1	.....
Everett, Mass.....	1	.....	Springfield, Mass.....	1	1

RABIES IN ANIMALS.

City Reports for Week Ended May 26, 1917.

During the week ended May 26, 1917, 1 case of rabies in animals was reported in Columbus, Ohio, and 1 case in Wheeling, W. Va.

SCARLET FEVER.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 957.

SMALLPOX.**Connecticut.**

Collaborating Epidemiologist Black reported that during the period from June 4 to 9, 1917, cases of smallpox were notified in Connecticut as follows: Kensington, 3; New Britain, 1; Waterbury, 1; Winsted, 22.

Minnesota.

Collaborating Epidemiologist Bracken reported that during the week ended June 9, 1917, four new foci of smallpox were reported in Minnesota as follows: Hennepin County, Maple Grove Township, 1; Martin County, Tenhassen Township, 1; Sherburne County, Orrock Township, 1; Yellow Medicine County, Wergeland Township, 1. Dr. Bracken also reported that on June 11, 1917, 1 death resulted from smallpox in Duluth.

Oregon—Astoria.

Surg. Ebert reported that during the week ended May 26, 1917, 8 cases of smallpox were notified at Astoria, Oreg. No case of the disease was notified during the week ended June 2.

Ohio Report for April, 1917.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio:						
Allen County—						
Lima.....	30			2	14	14
Ashtabula County—						
Conneaut.....	14			1	11	2
Athens County.....	2			1		1
Auglaize County—						
Wapakoneta.....	4				4	
Bntler County—						
Middletown.....	47				46	1
Champaign County.....	2					2
Clark County.....	3				3	
Clermont County.....	2				2	
Columbiana County.....	1				1	
Coshocton County—						
Coshocton.....	7				6	1
Crawford County.....	4					4
Cuyahoga County.....	44		1		3	40
Darke County.....	26				20	6
Delaware County.....	1				1	
Hamilton County—						
Cincinnati.....	7					7
Hancock County.....	5				5	
Hardin County.....	16				6	10
Knox County—						
Mount Vernon.....	1					1
Lake County.....	1				1	

SMALLPOX—Continued.

Ohio Report for April, 1917—Continued.

Place.	New cases reported.	Vaccination history of cases.				
		Deaths.	Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio—Continued.						
Lawrence County—						
Ironton.....	1					1
Logan County.....	2					2
Lorain County.....	6				4	2
Lucas County—						
Toledo.....	1					1
Mahoning County.....	29			1	7	21
Mercer County.....	2					2
Miami County.....	22		1	1	6	14
Montgomery County—						
Dayton.....	1					1
Muskingum County—						
Zanesville.....	1					1
Portage County.....	1					1
Preble County.....	17			2	15	
Putnam County.....	1					1
Sandusky County—						
Fremont.....	3				2	1
Scioto County—						
Portsmouth.....	1					1
Shelby County.....	55			2	10	43
Stark County—						
Canton.....	3				3	
Summit County.....	14		2	1	3	8
Trumbull County.....	5				4	1
Totals.....	382		4	11	177	190

Miscellaneous State Reports.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Arkansas (Apr. 1-30):			Washington (Apr. 1-30):		
Bradley County.....	7		King County—		
Clay County.....	16		Kirkland.....	2	
Conway County.....	16		Seattle.....	1	
Dallas County.....	2		Snohomish County—		
Faulkner County.....	11		Everett.....	1	
Garland County.....	7		Spokane County.....	1	
Greene County.....	15		Rockford.....	4	
Hempstead County.....	7		Spokane.....	13	
Jackson County.....	25		Whatcom County—		
Mississippi County.....	5		Sumas.....	2	
Phillips County.....	18		Yakima County.....	4	
Polk County.....	1		North Yakima.....	2	
Pope County.....	40		Zillah.....	1	
Pulaski County.....	39		Total.....	31	
St. Francis County.....	3				
Washington County.....	9				
White County.....	30				
Total.....	251				

SMALLPOX—Continued.**City Reports for Week Ended May 26, 1917.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	12	.....	La Crosse, Wis.....	5	.....
Albany, N. Y.....	1	.....	Lexington, Ky.....	2	.....
Alton, Ill.....	2	.....	Little Rock, Ark.....	6	.....
Altoona, Pa.....	1	.....	Madison, Wis.....	1	.....
Ann Arbor, Mich.....	1	.....	Marinette, Wis.....	1	.....
Buffalo, N. Y.....	1	.....	Memphis, Tenn.....	21	.....
Butte, Mont.....	3	.....	Milwaukee, Wis.....	4	.....
Cairo, Ill.....	1	.....	Minneapolis, Minn.....	45	.....
Canton, Ohio.....	3	.....	Nashville, Tenn.....	3	.....
Chicago, Ill.....	6	.....	Newark, N. J.....	1	.....
Cincinnati, Ohio.....	2	.....	New Orleans, La.....	3	.....
Cleveland, Ohio.....	10	.....	New York, N. Y.....	1	.....
Coffeyville, Kans.....	1	.....	Oklahoma City, Okla.....	14	.....
Columbus, Ohio.....	1	.....	Omaha, Nebr.....	8	.....
Danville, Ill.....	3	.....	Philadelphia, Pa.....	4	.....
Davenport, Iowa.....	6	.....	Pittsburgh, Pa.....	1	.....
Denver, Colo.....	1	.....	Pontiac, Mich.....	1	.....
Detroit, Mich.....	7	.....	Rock Island, Ill.....	2	.....
Dubuque, Iowa.....	1	.....	St. Joseph, Mo.....	20	.....
Erie, Pa.....	6	.....	St. Louis, Mo.....	18	.....
Evansville, Ind.....	5	.....	Salt Lake City, Utah.....	6	.....
Fitchburg, Mass.....	1	.....	Sioux City, Iowa.....	11	.....
Fort Wayne, Ind.....	13	.....	Springfield, Ill.....	2	.....
Galesburg, Ill.....	2	.....	Tacoma, Wash.....	1	.....
Galveston, Tex.....	1	.....	Terre Haute, Ind.....	5	.....
Grand Rapids, Mich.....	3	.....	Topeka, Kans.....	3	.....
Indianapolis, Ind.....	21	.....	Wichita, Kans.....	3	.....
Kansas City, Kans.....	1	.....	Worcester, Mass.....	3	3
Kansas City, Mo.....	15	.....		

TETANUS.**City Reports for Week Ended May 26, 1917.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	.....	1	Evansville, Ind.....	.....	2
Columbus, Ohio.....	1	.....	New York, N. Y.....	1	2

TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 957.

TYPHOID FEVER.**State Reports for April, 1917.**

Place.	New cases reported.	Place.	New cases reported.
Arkansas:		Colorado:	
Cleveland County.....	1	Conejos County.....	1
Conway County.....	1	Denver County—	
Drew County.....	1	Denver.....	2
Garland County.....	1	El Paso County—	
Greene County.....	2	Colorado Springs.....	10
Lafayette County.....	2	Fremont County—	
Mississippi County.....	1	Florence.....	3
Phillips County.....	1	Montrose County—	
Pope County.....	4	Montrose.....	1
Saline County.....	2	Ouray County—	
Sevier County.....	4	Ridgway.....	1
Washington County.....	4	Pueblo County—	
White County.....	2	Pueblo.....	1
Total.....	26	Total.....	28

TYPHOID FEVER—Continued.

State Reports for April, 1917—Continued.

Place.	New cases reported.	Place.	New cases reported.
Ohio:		Ohio—Continued.	
Ashtabula County—		Portage County.....	4
Ashtabula.....	1	Richland County—	
Conneaut.....	3	Mansfield.....	1
Belmont County.....	6	Scioto County.....	7
Butler County—		Seneca County.....	3
Middletown.....	1	Stark County.....	1
Carroll County.....	2	Summit County—	
Clermont County.....	5	Akron.....	9
Columbiana County.....	2	Tuscarawas County.....	2
Crawford County.....	4	Van Wert County.....	1
Cuyaboga County.....	15	Wayne County.....	2
Defiance County—		Wood County.....	1
Defiance.....	2	Total.....	184
Delaware County—		Washington:	
Delaware.....	2	Benton County—	
Fayette County—		Prosser.....	1
Washington C. H.....	1	Clark County.....	3
Franklin County.....	1	King County—	
Guernsey County.....	1	Seattle.....	2
Hamilton County.....	15	Snoqualmie.....	1
Hancock County—		Lincoln County.....	6
Findlay.....	1	Davenport.....	8
Harrison County.....	1	Pierce County—	
Henry County.....	1	Buckley.....	1
Highland County.....	2	Skagit County.....	1
Jackson County.....	1	Mount Vernon.....	1
Jefferson County.....	1	Snohomish County—	
Knox County.....	2	Monroe.....	1
Lawrence County.....	11	Spokane County—	
Logan County.....	1	Spokane.....	5
Lucas County—		Stevens County—	
Toledo.....	8	Kettle Falls.....	2
Mahoning County.....	3	Wahkiakum County.....	1
Medina County.....	4	Yakima County.....	1
Meigs County.....	3	Total.....	34
Miami County.....	3		
Montgomery County.....	9		
Muskingum County.....	38		
Perry County.....	3		

City Reports for Week Ended May 26, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	2		Lowell, Mass.....	1	
Allentown, Pa.....	1		Lynn, Mass.....	2	
Atlantic City, N. J.....	1	1	Madison, Wis.....		1
Austin, Tex.....		1	Memphis, Tenn.....	1	1
Baltimore, Md.....	2	2	Milwaukee, Wis.....	4	1
Birmingham, Ala.....	25	3	Minneapolis, Minn.....	4	
Bridgeport, Conn.....	1		Mobile, Ala.....		1
Buffalo, N. Y.....	1	1	Nashville, Tenn.....	1	
Charleston, S. C.....	9		New Castle, Pa.....	2	
Chicago, Ill.....	6	1	New Orleans, La.....	1	1
Cleveland, Ohio.....	1		Newport, R. I.....	1	
Coffeyville, Kans.....	1		Newton, Mass.....	1	
Danville, Ill.....	1		New York, N. Y.....	36	2
Davenport, Iowa.....	1		Norfolk, Va.....	1	1
Dayton, Ohio.....	1	1	North Adams, Mass.....	1	
Denver, Colo.....	9		Omaha, Nebr.....	2	
Detroit, Mich.....	9		Pasadena, Cal.....	2	
Duluth, Minn.....	2	1	Philadelphia, Pa.....	14	4
East Chicago, Ind.....	2		Pittsburgh, Pa.....	10	2
Elgin, Ill.....		1	Portland, Me.....	1	
El Paso, Tex.....		1	Portland, Oreg.....	2	
Erie, Pa.....	1		Providence, R. I.....	1	
Everett, Wash.....	8		Reading, Pa.....	1	
Fall River, Mass.....	3		St. Louis, Mo.....	8	2
Galveston, Tex.....	1		San Jose, Cal.....	1	
Hartford, Conn.....	1		South Bend, Ind.....		2
Indianapolis, Ind.....	1		Springfield, Mass.....	1	
Kalamazoo, Mich.....	1		Superior, Wis.....		1
Kansas City, Mo.....	2		Toledo, Ohio.....	2	
Knoxville, Tenn.....	7		Trenton, N. J.....	2	
Lancaster, Pa.....	1		Washington, D. C.....	3	1
Lawrence, Mass.....	1		Wilmington, Del.....	2	
Los Angeles, Cal.....	1				

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

State Reports for April, 1917.

State.	Cases reported.			State.	Cases reported.		
	Diphtheria.	Measles.	Scarlet fever.		Diphtheria.	Measles.	Scarlet fever.
Arkansas.....	7	1,143	2	Ohio.....	464	5,151	1,147
Colorado.....	68	2,306	56	Washington.....	18	2,411	79

City Reports for Week Ended May 26, 1917.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md.....	589,621	188	14	1	328	1	17	1	18	26
Chicago, Ill.....	2,497,722	788	181	34	835	9	339	17	213	85
Cleveland, Ohio.....	674,073	184	31	6	109	2	18	1	34	25
Detroit, Mich.....	571,784	238	85	9	58	1	98	6	28	21
Los Angeles, Cal.....	503,812	7	7	1	182	1	8	1	54	20
New York, N. Y.....	5,602,841	1,588	263	30	1,467	32	208	5	345	200
Philadelphia, Pa.....	1,709,518	596	78	6	212	1	46	8	81	63
Pittsburgh, Pa.....	579,090	178	42	2	168	1	19	1	30	14
St. Louis, Mo.....	757,309	245	76	6	290	6	115	1	76	29
From 300,000 to 500,000 inhabit- ants:										
Buffalo, N. Y.....	468,558	110	16	1	49	1	20	1	20	10
Cincinnati, Ohio.....	410,476	136	7	1	57	1	17	1	36	28
Jersey City, N. J.....	306,345	86	18	3	79	1	34	1	17	7
Milwaukee, Wis.....	436,535	96	11	3	54	1	107	4	21	4
Minneapolis, Minn.....	363,454	110	11	1	55	1	18	1	11	12
Newark, N. J.....	408,894	130	16	1	65	1	9	1	44	12
New Orleans, La.....	371,747	3	3	1	5	1	3	1	35	21
San Francisco, Cal.....	463,516	151	13	4	87	1	17	1	21	19
Seattle, Wash.....	348,639	53	1	1	32	1	3	1	11	6
Washington, D. C.....	363,980	125	5	1	195	1	3	1	12	13
From 200,000 to 300,000 inhabit- ants:										
Columbus, Ohio.....	214,878	64	3	1	19	1	5	1	9	5
Denver, Colo.....	260,800	80	7	1	92	1	6	1	16	16
Indianapolis, Ind.....	271,708	14	14	1	203	1	21	1	14	15
Kansas City, Mo.....	297,847	115	8	4	70	1	60	1	10	6
Portland, Oreg.....	295,463	38	2	1	3	1	18	1	11	11
Providence, R. I.....	254,960	96	11	2	27	2	5	1	11	8
Rochester, N. Y.....	256,417	6	6	1	162	3	33	2	11	8
From 100,000 to 200,000 inhabit- ants:										
Albany, N. Y.....	104,199	2	2	1	68	1	8	1	17	7
Birmingham, Ala.....	181,762	72	1	1	25	3	2	1	18	4
Bridgeport, Conn.....	121,579	36	2	1	23	1	3	1	1	4
Camden, N. J.....	106,233	2	2	1	24	1	4	1	4	3
Dayton, Ohio.....	127,224	47	4	1	74	1	20	1	6	1
Fall River, Mass.....	128,366	23	2	1	61	1	1	1	15	3
Fort Worth, Tex.....	104,562	34	1	1	4	1	1	1	3	2
Grand Rapids, Mich.....	128,291	32	2	1	128	1	5	1	5	8
Hartford, Conn.....	110,900	39	10	1	17	1	6	1	7	6
Lawrence, Mass.....	100,560	32	2	1	2	1	1	1	7	2
Lowell, Mass.....	113,245	11	11	1	2	1	4	1	1	2
Lynn, Mass.....	102,425	27	4	1	22	1	5	1	13	12
Memphis, Tenn.....	148,995	44	1	1	9	1	3	1	2	6
Nashville, Tenn.....	117,057	32	1	1	7	1	2	1	6	4
New Bedford, Mass.....	118,158	32	1	1	21	1	2	1	11	3
New Haven, Conn.....	149,685	4	4	1	123	1	1	1	1	6
Omaha, Nebr.....	165,470	64	1	1	87	2	30	1	1	3
Reading, Pa.....	109,381	37	1	1	2	1	9	1	1	6
Richmond, Va.....	156,687	43	2	1	50	1	8	1	3	3
Salt Lake City, Utah.....	117,399	27	1	1	8	1	8	1	7	2
Springfield, Mass.....	106,942	41	4	2	125	1	4	1	5	2
Syracuse, N. Y.....	155,624	49	9	1	66	1	25	1	11	11
Tacoma, Wash.....	112,770	2	2	1	45	1	44	1	6	16
Toledo, Ohio.....	191,554	88	7	1	16	1	9	1	7	6
Trenton, N. J.....	111,593	48	1	1	6	1	9	1	7	11
Worcester, Mass.....	163,314	56	7	1	6	1	9	1	7	11

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

City Reports for Week Ended May 26, 1917—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 50,000 to 100,000 inhabit- ants:										
Akron, Ohio.....	85,625		42		33		8		2	
Allentown, Pa.....	63,505	16			1		2		3	
Altoona, Pa.....	58,669		3		3		2		2	
Atlantic City, N. J.....	57,660		1		44		2		3	
Bayonne, N. J.....	69,893		1		2		3		1	
Binghamton, N. Y.....	53,973	16	7		29	1	2		4	2
Brockton, Mass.....	67,449	14	3		2				5	
Canton, Ohio.....	60,852	10	4		6		7			1
Charleston, S. C.....	60,734	42	3		1					4
Covington, Ky.....	57,144	23			7		1		1	4
Duluth, Minn.....	94,495	23			37		4		4	1
Elizabeth, N. J.....	86,690	21	5		29		9		5	2
El Paso, Tex.....	63,705	32			11	3		1		13
Erie, Pa.....	75,195		5		51		4			23
Evansville, Ind.....	76,078	26	1	1	19				1	5
Flint, Mich.....	54,772	18	5	2	23		15		2	1
Fort Wayne, Ind.....	76,183	7	1		6		6		1	1
Harrisburg, Pa.....	72,015	29	1		21		1		5	5
Hoboken, N. J.....	77,214	16	4		9		11		9	4
Johnstown, Pa.....	68,529	27	4		37		8		3	
Kansas City, Kans.....	99,437				4		12	1	6	
Lancaster, Pa.....	50,853		3		6		2		1	
Little Rock, Ark.....	57,343	14			1					
Malden, Mass.....	51,155	13		1	27		2		5	3
Manchester, N. H.....	78,283	21			3				2	2
Mobile, Ala.....	58,221	32			10				2	6
New Britain, Conn.....	53,794	10			4					1
Norfolk, Va.....	89,612				14		2			6
Oklahoma City, Okla.....	92,943	19	1		13				1	1
Passaic, N. J.....	71,744	9	2		4		2			
Pawtucket, R. I.....	59,411	16	2		1		2			
Portland, Me.....	63,867	20	2		21					1
Rockford, Ill.....	55,185	20	1		35		10	2		2
Sacramento, Cal.....	66,895	15			5		1			1
Saginaw, Mich.....	55,642	24			15		7			3
St. Joseph, Mo.....	85,236	18			1		5		2	3
San Diego, Cal.....	53,330	21	1		53		1			2
Schenectady, N. Y.....	99,519	23	3		98		2		3	
Sioux City, Iowa.....	57,078				6		6			
Somerville, Mass.....	87,039	21	4	1	10		4		2	1
South Bend, Ind.....	68,946	18			32		7			3
Springfield, Ill.....	61,120	17			19		1			
Terre Haute, Ind.....	66,083	17		1	11		2			1
Troy, N. Y.....	77,916		3		27		1		4	3
Wichita, Kans.....	70,722		2		16		5			
Wilkes Barre, Pa.....	76,776	15	4		23		2		1	
Wilmington, Del.....	94,265	43	2		7		2			
York, Pa.....	51,656		2							
From 25,000 to 50,000 inhabit- ants:										
Alameda, Cal.....	27,732	3			11		1			
Austin, Tex.....	34,814	25	1							
Brookline, Mass.....	32,730	7	1		18		2		2	
Butler, Pa.....	27,632	4	2		1		1			1
Butte, Mont.....	43,425		1		5		5		10	
Chelsea, Mass.....	46,192	17			4		4		5	2
Chicopee, Mass.....	29,319	5	5				1		1	
Cumberland, Md.....	26,074	7	1		5		1		2	1
Danville, Ill.....	32,261	10			13		1			1
Deavenport, Iowa.....	48,811				31		4			
Dubuque, Iowa.....	39,873		3	1	1		1		3	3
East Chicago, Ind.....	28,743				33		7		1	
East Orange, N. J.....	42,458	1			14		2		2	
Elgin, Ill.....	28,203	8			2		1			1
Everett, Mass.....	39,233	4	3		5		3		1	1
Everett, Wash.....	35,486	6			1					3
Fitchburg, Mass.....	41,781	4	1		9		2		7	
Galveston, Tex.....	41,863	12	1						1	
Hagerstown, Md.....	25,679		1		3					
Haverhill, Mass.....	48,477	14	1		4		4		3	1

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

City Reports for Week Ended May 26, 1917--Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 25,000 to 50,000 inhabit- ants--Continued.										
Jackson, Mich.	35,363	8	3		40		2		3	1
Kalamazoo, Mich.	48,886	9	1		59		2			
Kenosha, Wis.	31,576	10	2	2	101		1			
Kingston, N. Y.	26,771	9								
Knoxville, Tenn.	38,676				1				3	
La Crosse, Wis.	31,677	17	8	1						2
Lexington, Ky.	41,097	16			7					3
Lima, Ohio.	35,384	8	1		9		4			
Lincoln, Nebr.	46,515	12	5	1	32	2	8	1	1	1
Long Beach, Cal.	27,587	10					1			
Lorain, Ohio.	36,964		1		5		6		1	
Lynchburg, Va.	32,940	6	1		9		1		2	2
Madison, Wis.	30,699				3		8			
McKeesport, Pa.	47,521	13	2		7		3		1	1
Medford, Mass.	26,234	9	4	1	20		3			
Montclair, N. J.	26,318				2				3	
Nashua, N. H.	27,327	7			106				1	
Newburgh, N. Y.	29,603	3			2				2	
New Castle, Pa.	41,133		1				3			
Newport, Ky.	31,927	13					1	1	3	3
Newport, R. I.	30,108	14			1					
Newton, Mass.	43,715	7			22	1	1		2	
Niagara Falls, N. Y.	37,353	18	1		94		3		2	2
Norristown, Pa.	31,401	14			3				2	
Ogden, Utah.	31,404	7			9		2			
Orange, N. J.	33,080	15			8		7		3	3
Pasadena, Cal.	46,450				21				1	1
Perth Amboy, N. J.	41,185	8			1		1		3	
Pittsfield, Mass.	38,629	17	6	1	84		1		4	
Portsmouth, Va.	39,651	12	1		11		4			2
Quincy, Ill.	36,798	11	1		7					1
Quincy, Mass.	38,136	9	2						1	1
Racine, Wis.	46,486	14								5
Roanoke, Va.	43,284	19			9		2		2	1
Rock Island, Ill.	28,926	15	3		5					
San Jose, Cal.	38,902		1		26		2			
Steubenville, Ohio	27,445	4	2							
Superior, Wis.	46,226	7			1					
Taunton, Mass.	36,283	21					4		1	4
Topeka, Kans.	48,726	14	2		3		8			
Waltham, Mass.	30,570	4	6		27					
Watertown, N. Y.	29,894	14			17					1
West Hoboken, N. J.	43,139	10	4	1	10		8			
Wheeling, W. Va.	43,377	10			1				1	
Williamsport, Pa.	33,809		2		13				26	
Wilmington, N. C.	29,892	12			4					1
Winston-Salem, N. C.	31,155	17			1		1			2
Zanesville, Ohio.	30,863	4								
From 10,000 to 25,000 inhabit- ants:										
Alton, Ill.	22,874	7	1		4					
Ann Arbor, Mich.	15,010	16	1		32		4			1
Berlin, N. H.	13,599	9			1				1	
Braddock, Pa.	21,685		1		11				3	
Cairo, Ill.	15,794	7								2
Clinton, Mass.	12,075	5			2				1	1
Coffeyville, Kans.	17,548				9					
Concord, N. H.	22,669	10	3		27		3		4	
Galesburg, Ill.	24,276	8	1		23					
Harrison, N. J.	16,950				10				1	
Kearny, N. J.	23,539				13		1		5	
Kokomo, Ind.	20,930	7	3							
Long Branch, N. J.	15,395	3			7					
Marinette, Wis.	14,610						1			
Melrose, Mass.	17,445	3	1		4					1
Morristown, N. J.	13,284	6			5					
Muscatine, Iowa.	17,500						4			
Nanticoke, Pa.	23,126	3	2							

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

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

City Reports for Week Ended May 26, 1917—Continued.

City.	Popula- tion as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabit- ants—Continued.										
Newburyport, Mass.	15,243	4			26		1			
New London, Conn.	20,985	14			2		1			1
North Adams, Mass.	22,019				63	1	1			
Northampton, Mass.	19,926	8			17					
Plainfield, N. J.	23,805	8			3				1	
Pontiac, Mich.	17,524				28		15	1		
Portsmouth, N. H.	11,666		4		6		2			
Rocky Mount, N. C.	12,067	3					1		1	
Rutland, Vt.	14,831	6			1					
Sandusky, Ohio.	20,193	2			10				1	
Saratoga Springs, N. Y.	13,821	2			2				2	
Steelton, Pa.	15,548	2	1		22		3		1	1
Washington, Pa.	21,618		2						1	
Wilkinsburg, Pa.	23,228				8		3			6
Woburn, Mass.	15,969	6								

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

FOREIGN.

ARABIA.

Further Relative to Plague—Aden.¹

During the period from April 15 to May 2, 1917, 30 cases of plague were reported at Aden, Arabia, making a total of 44 cases reported from the beginning of the outbreak, April 8, 1917.

BRAZIL.

Plague, January–April, 1917—Pernambuco State.

Plague was reported present in the State of Pernambuco, Brazil, from January 1 to April 27, 1917, with 43 reported cases. The cases occurred in the districts of Bom Conselho, Canhotinho, and Corrientes Garanhuns.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	May 11–20, 1917.		Remain- ing under treatment May 20, 1917.	Disease.	May 11–20, 1917.		Remain- ing under treatment May 20, 1917.
	New cases.	Deaths.			New cases.	Deaths.	
Diphtheria.....	8	2	9	Paratyphoid fever .	1	.....	4
Leprosy.....	.....	.....	10	Scarlet fever.....	.....	.....	3
Malaria.....	11	.....	36	Typhoid fever.....	12	1	38
Measles.....	30	.....	58	Varicella.....	12	.....	11

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

Reports Received During the Week Ended June 15, 1917.²

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Apr. 1–7.....	.....	29	
Indo-China:				
Saigon.....	Apr. 16–22.....	11	7	
Philippine Islands:				
Manila.....	Apr. 22–28.....	1	1	Case not previously reported. Apr. 22–May 5, 1917: Cases, 177; deaths, 98.
Provinces.....				
Albay.....	Apr. 22–May 5.....	40	25	
Bohol.....	Apr. 29–May 5.....	12	9	
Camarines.....	Apr. 28–May 5.....	11	2	
Cebu.....	Apr. 22–May 5.....	31	22	
Samar.....	do.....	79	70	
Sorsogon.....	Apr. 22–28.....	4	.....

¹ Public Health Reports, May 25, 1917, p. 822.

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 the Week Ended June 15, 1917—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Aden.....	Apr. 9-May 2.....	44	30	
Brazil:				
Bahia.....	Apr. 15-28.....	6	4	
Pernambuco, State.....				Jan. 1-Apr. 27, 1917: Cases, 43; deaths, 40. In the districts Bom Conselho, Canhotinho, and Corrientes Garanhuns.
China:				
Amoy.....	Apr. 15-21.....			Present, and in surrounding country.
Hongkong.....	Apr. 8-14.....			Present in surrounding country.
India:				
Calcutta.....	Apr. 1-7.....		3	Apr. 1-7, 1917: Cases, 14,882; deaths, 12,643.
Indo-China:				
Saigon.....	Apr. 16-22.....	8	5	
Japan:				
Yokkaichi.....	Apr. 24-30.....	1	1	
Siam:				
Bangkok.....	Mar. 25-Apr. 7....	10	9	
Straits Settlements:				
Singapore.....	Apr. 8-14.....	9	7	

SMALLPOX.

Australia:				
New South Wales—				
Coonamblie.....	Apr. 13-26.....	12		
Brazil:				
Rio de Janeiro.....	Apr. 22-May 5.....	23	11	
China:				
Amoy.....	Apr. 29-May 5.....			Present and in vicinity.
Chungking.....	Apr. 22-28.....			Present.
Mukden.....	Apr. 15-May 5.....			Do.
Guatemala:				
Guatemala City.....	May 6-12.....			Do.
Indo-China:				
Saigon.....	Apr. 16-22.....	36	11	
Japan:				
Kobe.....	Apr. 30-May 6.....	57	5	
Philippine Islands:				
Manila.....	Feb. 18-May 5.....	83		Varioloid.
Russia:				
Riga.....	Apr. 8-14.....	1		
Vladivostok.....	Mar. 27-Apr. 2.....	1	1	
Spain:				
Seville.....	Apr. 1-30.....		2	
Valencia.....	Apr. 30-May 12.....	2		

TYPHUS FEVER.

Great Britain:				
Belfast.....	May 6-12.....	1		
Russia:				
Riga.....	Apr. 8-14.....	1		
Venezuela:				
Maracaibo.....	May 13-19.....		1	

Reports Received from Dec. 30, 1916, to June 8, 1917.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Hunan Province—				
Changteh.....				Epidemic in August, 1916.
Macao.....				Outbreak with 72 cases reported
Chosen (Korea).....	Aug.-Dec. 29.....	1,998		Mar. 1, 1917.
Germany:				
Marientwerder.....	Jan 21-27.....	3		Prisoners of war.
India:				
Bassein.....	Dec. 31-Mar. 31....		51	
Bombay.....	Nov. 5-Dec. 23.....	13	12	
Do.....	Jan. 14-Feb. 10.....	7	6	

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Calcutta.....	Oct. 15-Dec. 30.....	.....	161	Oct. 8-14 1916: Cases 3.
Do.....	Dec. 31-Mar. 31.....	.....	184	
Benazada.....	Feb. 18-24.....	.....	1	Dec. 17-23 1916: 1 case.
Madras.....	Nov. 5-Dec. 16.....	5	.....
Do.....	Dec. 31-Feb. 10.....	6	4	
Moulmein.....	do.....	.....	7	
Rangoon.....	Nov. 26-Dec. 30.....	5	6	
Do.....	Dec. 31-Mar. 24.....	12	10	Apr. 1-June 30, 1916: Cases, 4,540; deaths, 2,809.
Indo-China.....	.....	.....	.....
Do.....	.....	.....	.....	July 1-Dec. 31, 1916: Cases, 2,984; deaths, 2,398. Jan. 1-31, 1917: Cases, 52; deaths, 29.
Provinces—	.....	.....	.....
Anam.....	Apr. 1-June 30.....	1,381	2,309	.....
Do.....	July 1-Dec. 31.....	700	544	
Do.....	Jan. 1-31.....	1	1	.....
Cambodia.....	May 1-June 30.....	47	13	
Do.....	July 1-Dec. 31.....	164	116	.....
Do.....	Jan. 1-31.....	10	9	
Cochin-China.....	Apr. 1-June 30.....	269	111	.....
Do.....	July 1-Dec. 31.....	123	111	
Do.....	Jan. 1-31.....	21	8	.....
Kwang-Teheou-Wan.....	July 1-Nov. 30.....	271	264	
Laos.....	Apr. 1-June 30.....	102	57	.....
Do.....	July 1-Nov. 30.....	652	630	
Do.....	Jan. 1-31.....	20	12	.....
Tonkin.....	Apr. 1-June 30.....	2,780	1,385	
Do.....	July 1-Dec. 31.....	999	725	.....
Saigon.....	Dec. 25-31.....	4	3	
Do.....	Jan. 29-Mar. 18.....	7	5	.....
Japan:				
Fukuoka.....	Jan. 19.....	33	.....	.....
Nagasaki.....	Nov. 27-Dec. 3.....	9	4	
Do.....	Feb. 19-25.....	1	1	.....
Osaka.....	Nov. 16-Dec. 25.....	23	57	
Do.....	Dec. 26-Jan. 25.....	19	10	Aug. 13-Dec. 25, 1916: Cases, 971; deaths, 754.
Taiwan Island—	.....	.....	.....
Keelung.....	Nov. 13-Dec. 23.....	5	7	Jan. 6-16, 1917: Cases, 9. Aug. 14, 1916-Jan. 25, 1917: Cases, 990; deaths, 641.
Do.....	Feb. 18-24.....	.....	1	
Taihoku.....	Nov. 13-Dec. 23.....	14	5	.....
Tokyo.....	Jan. 23-Feb. 4.....	4	.....
Yokohama.....	Nov. 6-Dec. 3.....	5	3	.....
Districts.....	do.....	1	1	
Java:				
East Java.....	Oct. 14-17.....	5	3	.....
West Java.....	.....	.....	.....
Batavia.....	Nov. 17-Dec. 7.....	23	9	Nov. 17-Dec. 14, 1916: Cases, 135; deaths, 65; Jan. 26-Apr. 5, 1917: Cases, 8; deaths, 1.
Do.....	Jan. 26-Apr. 5.....	5	1	
Persia:				
Enzeli.....	Mar. 21-Sept. 9.....	74	37	.....
Kazvin.....	July 18-Sept. 19.....	107	65	
Mazanderan Province—	.....	.....	.....	Epidemic.
Amol.....	Nov. 16.....	8	8	
Ferikenar.....	Nov. 30.....	.....	6	.....
Recht.....	Mar. 21-Oct. 14.....	165	80	
Teheran.....	Aug. 3-Oct. 19.....	428	409	At 2 localities in vicinity: Cases, 64; deaths, 38.
Philippine Islands:				
Manila.....	Oct. 29-Dec. 30.....	201	70	Not previously reported: Cases, 55; deaths, 2.
Do.....	Dec. 31-Feb. 24.....	14	7	
Provinces.....	.....	.....	.....	Oct. 29-Dec. 9, 1916: Cases, 4,181; deaths, 2,030. Dec. 17-30, 1916: Cases, 282; deaths, 188. Dec. 31, 1916-Apr. 21, 1917: Cases, 2,484; deaths, 1,723.
Albay.....	Oct. 29-Dec. 9.....	246	147	
Do.....	Dec. 17-30.....	20	10	.....
Do.....	Dec. 31-Apr. 21.....	151	89	
Antique.....	Nov. 18-25.....	8	7	.....
Do.....	Dec. 31-Mar. 24.....	138	98	
Bataan.....	Oct. 29-Dec. 9.....	93	77	.....
Do.....	Dec. 17-23.....	2	2	
Do.....	Dec. 31-Jan. 6.....	2	3	.....
Batangas.....	Oct. 29-Nov. 18.....	1	1	
Bohol.....	Oct. 29-Dec. 9.....	46	18	.....
Do.....	Dec. 17-23.....	1	.....
Do.....	Feb. 25-Apr. 14.....	65	35	.....
Bulacan.....	Oct. 29-Dec. 9.....	96	67	
Do.....	Dec. 17-23.....	10	6	.....
Camarines.....	Oct. 29-Dec. 9.....	61	37	

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Contd. Provinces—Continued.				
Capiz.....	Oct. 29-Dec. 9.....	45	34	
Do.....	Dec. 17-30.....	27	23	
Do.....	Dec. 31-Mar. 31.....	249	193	
Cavite.....	Oct. 29-Dec. 9.....	156	113	
Do.....	Dec. 17-30.....	45	13	
Do.....	Dec. 31-Feb. 10.....	12	33	
Cebu.....	Dec. 24-30.....	12	6	
Do.....	Jan. 7-Apr. 21.....	161	81	
Iloilo.....	Oct. 29-Dec. 9.....	237	148	
Do.....	Dec. 17-30.....	37	31	
Do.....	Dec. 31-Apr. 21.....	120	86	
Laguna.....	Nov. 2-25.....	12	10	
Leyte.....	Oct. 29-Dec. 9.....	127	98	
Do.....	Dec. 17-30.....	90	62	
Do.....	Dec. 31-Apr. 21.....	651	618	
Masbate.....	Dec. 17-23.....	8	2	
Mindanao.....	Jan. 14-Feb. 3.....	25	18	
Mindoro.....	Dec. 31-Feb. 3.....	8	7	
Misamis.....	Oct. 29-Dec. 9.....	126	79	
Do.....	Dec. 17-30.....	17	12	
Do.....	Dec. 31-Feb. 24.....	49	36	
Negros Occidental.....	Oct. 29-Dec. 9.....	910	553	
Do.....	Dec. 24-30.....	11	5	
Do.....	Jan. 7-Mar. 31.....	69	56	
Negros Oriental.....	Apr. 15-31.....	33	19	
Pampanga.....	Dec. 3-9.....	4	3	
Do.....	Dec. 17-23.....	6	5	
Do.....	Dec. 31-Jan. 6.....	1	1	
Rizal.....	Oct. 29-Dec. 9.....	27	14	
Do.....	Dec. 17-30.....	4		
Do.....	Dec. 31-Jan. 27.....	2		
Romblon.....	Jan. 28-Mar. 17.....	38	26	
Samar.....	Nov. 5-18.....	13	10	
Do.....	Dec. 31-Apr. 7.....	359	266	
Sorsogon.....	Oct. 29-Dec. 2.....	131	71	
Do.....	Dec. 17-23.....	1	2	
Do.....	Jan. 21-Apr. 21.....	231	128	
Tayabas.....	Nov. 5-18.....	1	1	
Do.....	Mar. 18-Apr. 7.....	46	31	
Zambales.....	Oct. 29-Dec. 2.....	7	1	
Straits Settlements:				
Penang.....	Mar. 11-17.....	1	1	
Singapore.....	Oct. 22-28.....	2	2	
Do.....	Jan. 7-Mar. 10.....	5	5	
Turkey in Asia				
Aleppo.....	Dec. 9-15.....		1	July-Dec. 31, 1916: Cases, 9,565; deaths, 4,909. Mar. 4-24, 1917: Cases, 32; deaths, 22.
Do.....	Jan. 15-Mar. 5.....	2	2	
Bagdad.....	Nov. 6-30.....	19	8	
Beirut.....	Dec. 7-12.....	2	1	
Panderma.....	Jan. 8-Mar. 13.....	3	1	
Rodosto.....	Jan. 18.....	1	1	
Tarsus.....	Nov. 7.....	1	1	
Turkey in Europe:				
Constantinople.....	Oct. 1-Nov. 17.....	8	1	
Do.....	Mar. 4-22.....	8	6	

PLAGUE.

Arabia:				
Aden.....	Apr. 8-14.....	14	7	
Brazil:				
Bahia.....	Nov. 5-Dec. 16.....	15	9	Jan. 1-Nov. 11, 1916: Cases, 14; deaths, 7. Nov. 5-11: Cases, 4; deaths, 2.
Do.....	Jan. 7-May 5.....	8	8	June 1-Nov. 6, 1916: Cases, 67; deaths, 51.
Joazeiro.....	.....	.....	.....	Present in interior cities.
Pernambuco, State.....	Jan. 16-Apr. 26.....	.....	.....
Ceylon:				
Colombo.....	Oct. 28-Dec. 30.....	50	30	July 23-29, 1916: Cases, 9; deaths, 8.
Do.....	Dec. 31-Apr. 7.....	138	127	
Chile:				
Antofagasta.....	Mar. 1-31.....	10	.....
Tacna.....	do.....	1	.....
Tocopilla.....	Sept. 12.....	1	1	

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 19-Dec. 2.....	.....	.....	Present.
Do.....	Feb. 18-Apr. 14.....	.....	.....	Present and in vicinity.
Chaochowfu.....	Feb. 24.....	.....	.....	Present, 26 miles from Swatow.
Hongkong.....	Dec. 24-30.....	1	1	Present in vicinity.
Do.....	Jan. 21-Feb. 3.....	24	12	
Kansu Province— Taochow.....	Oct. 1-24.....	.....	20	Pneumonic. Reported present in other localities of Province.
Nanking.....	Mar. 4-24.....	.....	.....	Present.
Ecuador.....	Oct. 1-Dec. 31.....	2	.....	Sept. 1-Dec. 31, 1916: Cases, 353; deaths, 119.
Duran.....	Sept. 1-Dec. 31.....	347	116	Jan. 1-31, 1917: Cases, 106; deaths, 43.
Guayaquil.....	Jan. 1-31.....	104	43	
Do.....	Nov. 1-Dec. 31.....	2	1	
Milagro.....	Jan. 1-31.....	1	.....
Naranjal.....	Oct. 1-31.....	1	1	
Nobol.....	Sept. 1-30.....	1	1	
Santa Rosa.....	Jan. 1-31.....	1	.....
Taura.....	Jan. 1-31.....	1	.....
Egypt.....	.....	.....	.....	Jan. 1-Dec. 30, 1916: Cases, 1,702; deaths, 828. Jan. 1-Apr. 26, 1917: Cases, 168, deaths, 85.
Alexandria.....	Nov. 12-Dec. 25.....	4	3	One case on s. s. Proton, arrived Nov. 16, 1916, from Sidi Barani and Sollum.
Do.....	Feb. 21-Mar. 28.....	3	1	
Port Said.....	Dec. 11.....	1	.....
Do.....	Jan. 18-Apr. 22.....	14	9	
Provinces—	.....	.....	.....
Assiout.....	Mar. 8-Apr. 26.....	25	17	
Beni-Souef.....	Feb. 1.....	1	.....
Fayoum.....	Jan. 24-Apr. 25.....	33	15	
Girgeh.....	Mar. 27-Apr. 26.....	43	10	
Keneh.....	Mar. 20-Apr. 24.....	39	27	
Minieh.....	Jan. 25-Apr. 19.....	6	3	
Gold Coast:	.....	.....	.....
Akra.....	Apr. 4.....	.....	.....	Present.
Greece:	.....	.....	.....
Athens.....	Apr. 23.....	2	.....	In military hospital.
Hawaii:	.....	.....	.....
Panalo.....	Mar. 7.....	1	1	
India.....	.....	.....	.....	Oct. 15-Dec. 23, 1916: Cases, 89-512; deaths, 67,068. Dec. 31, 1916-Mar. 31, 1917: Cases, 54-528; deaths, 44,244.
Bassein.....	Oct. 22-Dec. 30.....	.....	7	Oct. 8-14, 1916: Cases, 13; deaths, 7. Received out of date. Original report lost on s. s. Arabia.
Do.....	Dec. 31-Mar. 31.....	.....	131	
Bombay.....	Nov. 5-Dec. 30.....	73	59	
Do.....	Dec. 31-Apr. 14.....	752	566	
Calcutta.....	Mar. 4-31.....	.....	6	
Benazada.....	Feb. 18-Mar. 10.....	.....	14	
Karachi.....	Oct. 29-Dec. 30.....	4	3	
Do.....	Dec. 31-Apr. 7.....	284	219	
Madras.....	Nov. 19-Dec. 30.....	7	5	Oct. 8-14, 1916: Case, 1; death, 1.
Do.....	Dec. 2-Mar. 17.....	81	51	
Madras Presidency.....	Nov. 5-Dec. 30.....	5,854	3,932	Oct. 8-14, 1916: Cases, 534; deaths 353. Sept. 17-23, 1916: Cases, 429; deaths, 290.
Do.....	Dec. 31-Apr. 14.....	7,106	4,851	
Mandalay.....	Oct. 28-Dec. 30.....	.....	3	
Do.....	Feb. 4-Mar. 31.....	.....	21	
Mergui.....	Mar. 11-17.....	.....	7	
Moulmein.....	Dec. 3-9.....	.....	1	
Do.....	Feb. 4-Mar. 31.....	.....	28	
Myingyan.....	Mar. 4-17.....	.....	7	
Prome.....	Oct. 22-Dec. 30.....	.....	177	
Do.....	Dec. 31-Mar. 17.....	.....	108	
Rangoon.....	Oct. 28-Dec. 30.....	43	30	Oct. 1-7, 1916: Cases, 9; deaths, 9.
Do.....	Dec. 31-Mar. 24.....	360	335	
Toungoo.....	Oct. 22-Dec. 30.....	.....	12	
Do.....	Dec. 31-Mar. 17.....	.....	45	
Indo-China.....	.....	.....	.....	Apr. 1-June 30, 1916: Cases, 325; deaths, 148. July 1-Dec. 31, 1916: Cases, 230; deaths, 142.
Provinces—	.....	.....	.....	Jan. 1-31, 1917: Cases, 82; deaths, 66.
Anam.....	Apr. 1-June 30.....	142	83	
Do.....	July 1-Dec. 31.....	75	49	
Do.....	Jan. 1-31.....	29	18	
Cambodia.....	Apr. 1-June 30.....	43	41	
Do.....	July 1-Dec. 31.....	57	54	
Do.....	Jan. 1-31.....	37	33	
Cochin-China.....	Apr. 1-June 30.....	135	63	
Do.....	July 1-Nov. 30.....	58	22	
Do.....	Jan. 1-31.....	14	13	
Kwang-Tcheou-Wan.....	July 1-Nov. 30.....	29	8	
Do.....	Jan. 1-31.....	2	2	
Tonkin.....	Oct. 1-31.....	2	.....

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China—Continued.				
Saigon.....	Nov. 6-Dec. 17....	9	3	
Do.....	Jan. 1-Apr. 15....	52	30	
Japan:				
Nagoya.....	Dec. 10-16.....	2		
Taiwan Island—				
Shirin.....	Feb. 18-24.....	1	1	Three miles from Taihoku.
Tamsui.....	Feb. 15-Apr. 4....	5	5	
Yokkaichi.....	Nov. 12-Dec. 16..	32	12	
Java:				
East Java.				
Djocjakarta Residency..	Nov. 4-Dec. 31....	2	2	Aug. 26-Dec. 31, 1916: Cases, 133; deaths, 116. Jan. 1-Mar. 25, 1917: Cases, 65; deaths, 65.
Do.....	Jan. 1-Mar. 25....	8	8	
Kediri Residency.....	Aug. 26-Dec. 31..	20	18	
Do.....	Jan. 1-Mar. 25....	5	5	
Madoera Residency.....	Aug. 26-Dec. 31..	8	8	
Do.....	Jan. 1-Mar. 25....	20	21	
Paseroean Residency..	Aug. 26-Dec. 31..	3	3	
Do.....	Jan. 1-31.....	1	1	
Samarang Residency.....	Dec. 2-31.....	6	6	
Do.....	Jan. 1-Mar. 25....	10	11	
Surabaya Residency.....	Aug. 26-Dec. 31..	49	49	
Do.....	Jan. 15-Mar. 25....	20	19	
Surakarta Residency..	Aug. 26-Dec. 31..	28	28	
Do.....	Jan. 29-Mar. 25....	4	3	
Mid-Java—				
Samarang.....	Aug. 26-Dec. 31....	1	1	
Do.....	Jan. 1-Feb. 25....	4	4	
Mauritius.....	Dec. 9-Feb. 3.....	20	11	District of Port Louis. Jan. 1-Feb. 15, 1917: 101 cases. Jan. 1-June 30, 1916: Cases, 380; deaths, 191. July 1-Dec. 31, 1916: Cases, 150; deaths, 77.
Peru:				
Department—				
Ancachs.....	Jan. 1-June 30....	57	21	
Do.....	July 1-Dec. 31....	5	1	
Casma.....	Jan. 1-Feb. 15....	3		
Arequipa.....	Jan. 1-June 30....	23	18	
Do.....	July 1-Dec. 31....	1	1	
Cajamarca.....	do.....	2		
Lambayeque.....	Jan. 1-June 30....	84	32	
Do.....	July 1-Dec. 31....	6	2	
Chiclayo.....	Jan. 1-15.....	2		
Libertad.....	Jan. 1-June 30....	54	36	
Do.....	July 1-Dec. 31....	75	40	
Do.....	Jan. 1-Feb. 15....	60		
Lima.....	Jan. 1-June 30....	45	19	Occurring in Guadalupe, Pacasmayo, Salaverry, San Pedro, Trujillo (city and country), and Viru.
Do.....	July 1-Dec. 31....	40	18	
Callao Province.....	Jan. 1-June 30....	36	20	
Do.....	July 1-Dec. 31....	4	2	
Do.....	Jan. 1-Feb. 15....	3		
Lima.....	do.....	22		In Callao City.
Piura.....	Jan. 1-June 30....	561	45	City and country.
Do.....	July 1-Dec. 31....	17	13	
Catacaos.....	Jan. 1-Feb. 15....	11		
Siam:				
Bangkok.....	Oct. 22-Dec. 30....	12	10	
Do.....	Jan. 14-Mar. 24....	18	15	
Straits Settlements:				
Penang.....	Jan. 28-Feb. 24....	3	2	
Singapore.....	Oct. 22-Dec. 30....	7	7	
Do.....	Dec. 31-Apr. 7....	16	15	
Union of South Africa:				
Cape of Good Hope State—				
Uitenhage district.....	Oct. 31-Nov. 12....	2	2	Total, Oct. 23-Nov. 12, 1916: Cases, 24; deaths, 13.
Orange Free State—				
Winburg district.....	Feb. 5-Mar. 18....	16	8	On 5 farms.
Transvaal—				
Potchefstroom district..	Dec. 21-Jan. 21....	12	12	On 2 adjoining farms.

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Australia:				
New South Wales—				
Coomamble.....	Dec. 8.....	1		
Walgett.....	Apr. 2.....	1		
Queensland—				
Thursday Island, quar-	Feb. 8.....	1		On steamship St. Albans from
antine station.				Kobe via Hongkong. Vessel
				proceeded in quarantine to
				Townsville, Brisbane, and
				Sydney, arriving Feb. 16. Re-
				leased Feb. 23.
Do.....	Apr. 8.....	1		On steamship Eastern from Kobe
				via Hongkong. Vessel pro-
				ceeded in quarantine to Towns-
				ville, Brisbane, and Sydney.
Austria-Hungary:				
Austria—				
Prague.....	Jan. 21-27.....	1		
Vienna.....	Nov. 12-Dec. 9.....	8	1	
Do.....	Feb. 11-Mar. 24.....	4		
Hungary—				
Budapest.....	Nov. 5-Dec. 23.....	73	2	
Do.....	Dec. 31-Mar. 31.....	96	12	
Brazil:				
Bahia.....	Nov. 12-Dec. 23.....	5		
Do.....	Jan. 7-Mar. 17.....	9		
Rio de Janeiro.....	Nov. 12-Dec. 30.....	50	12	
Do.....	Dec. 31-Apr. 21.....	170	39	
Canada:				
Alberta—				
Lethbridge.....	Feb. 1-28.....	2		
British Columbia—				
Vancouver.....	Feb. 18-Apr. 7.....	2	2	
Victoria.....	Feb. 11-17.....	1		
Manitoba—				
Winnipeg.....	Feb. 11-Apr. 7.....	6		
Ontario—				
Kingston.....	Mar. 11-17.....	1		
Sarnia.....	Jan. 28-Feb. 10.....	3		
Toronto.....	Jan. 28-Mar. 31.....	6		
Canary Islands:				
Las Palmas.....	Feb. 25-Mar. 3.....	1		On American vessel.
Ceylon:				
Colombo.....	Dec. 31-Feb. 17.....	2		
China:				
Amoy.....	Oct. 31-Dec. 9.....			Present. Dec. 10-16, 1916: Cases, 3.
Do.....	Feb. 11-Apr. 14.....			Present and in vicinity.
Antung.....	Jan. 8-14.....	2	1	
Canton.....	Nov. 1-Dec. 20.....		14	
Changsha.....	Mar. 11-Apr. 21.....	13		
Chungking.....	Oct. 28-Dec. 30.....			Present.
Do.....	Dec. 31-Apr. 21.....			Do.
Dairen.....	Nov. 5-Dec. 30.....	63	8	
Do.....	Dec. 31-Apr. 21.....	62	19	In vicinity, Jan. 14-20, 1917, case.
Foochow.....	Oct. 29-Dec. 16.....			Present.
Do.....	Feb. 18-Mar. 24.....			Do.
Harbin.....	Nov. 6-Dec. 17.....	3		
Do.....	Jan. 2-Mar. 11.....	2		
Hongkong.....	Oct. 28-Dec. 30.....	349	243	
Do.....	Dec. 31-Apr. 14.....	515	431	Present in vicinity.
Kwangtung Province—				
Chaoyang district.....	Jan. 21-27.....			Present. Vicinity of Swatow.
Manchuria Station.....	Jan. 8-Feb. 25.....	4		On Chinese Railway.
Mukden.....	Dec. 9-30.....			Present.
Do.....	Dec. 31-Apr. 28.....			Do.
Nanking.....	Nov. 12-23.....			Do.
Shanghai.....	Jan. 28-Apr. 29.....	12	13	Deaths among native population.
Tientsin.....	Dec. 17-30.....	1	1	
Do.....	Jan. 28-Feb. 3.....	2		
Tsingtao.....	Dec. 1-9.....	3		
Do.....	Dec. 28-Apr. 29.....	81	4	
Colombia:				
Espinal.....	Feb. 17.....			Present. Suburb of Cartagena.
Cuba:				
Casa Blanca.....	Jan. 12.....	1		Vicinity of Habana. Case landed
				Jan. 1, 1917, from s. s. Alfonso
				XII, from Santander, Spain

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Cuba—Continued.				
Encrucijada.....	Jan. 10.....	1	.....	In Santa Clara Province. Case landed from s. s. Montevideo, from Barcelona, via Las Palmas, Canary Islands, and Porto Rico; arrived at Habana Jan. 6, 1917.
Guanabacoa.....	Jan. 9.....	1	.....	Vicinity of Habana. Case landed from s. s. Montevideo.
Habana.....	Jan. 10-20.....	2	.....	At Mariel quarantine station, from s. s. Montevideo.
Ecuador:				
Guayaquil.....	Nov. 1-30.....	10	1	
Egypt:				
Alexandria.....	Dec. 25-31.....	.....	3	
Do.....	Jan. 8-Apr. 29.....	39	18	
Cairo.....	June 11-July 1.....	50	20	
Do.....	July 2-Nov. 11.....	61	20	
Port Said.....	June 11-17.....	1	1	
Do.....	Aug. 20-Sept. 9.....	2	1	
France:				
Marseille.....	Oct. 1-Dec. 31.....	.....	16	
Do.....	Feb. 1-Mar. 31.....	.....	4	
Paris.....	Dec. 17-23.....	1	.....
Do.....	Jan. 14-20.....	.....	1	
Germany	Dec. 17-Jan. 13.....	150	.....	Lubeck, Hamburg, and the district of Luneburg.
Do.....	Jan. 21-Feb. 17.....	309	.....	12 cities and 16 districts and States.
Do.....	Feb. 18-Mar. 10.....	375	.....	8 cities and 22 districts and States.
Barnitz.....	Jan. 7-13.....	1	.....
Bevensen.....	do.....	1	.....
Bornitz.....	do.....	2	.....
Bremen.....	Dec. 31-Jan. 27.....	3	.....
Celle.....	Jan. 7-13.....	1	.....
Danenberg.....	do.....	1	.....
Dendorf.....	do.....	1	.....
Egestorf.....	do.....	1	.....
Geesthacht.....	do.....	2	.....
Gosswerder.....	do.....	2	.....
Hamburg district.....	Dec. 31-Jan. 20.....	71	.....
Harburg.....	Jan. 7-13.....	1	.....
Husum.....	do.....	1	.....
Lubeck.....	do.....	8	.....
Reinfeld.....	do.....	1	.....
Soltau.....	do.....	1	.....
Undelos.....	do.....	1	.....
Winsen.....	do.....	1	.....
Great Britain:				
Liverpool.....	Feb. 4-Mar. 3.....	3	1	
Greece:				
Athens.....	Jan. 1-Mar. 5.....	.....	6	
Tripolis.....	May 12.....	.....	.....	Outbreak.
Hawaii:				
Honolulu.....	Jan. 9.....	1	.....	From s. s. Tenyo Maru from oriental ports.
Do.....	Jan. 24.....	1	.....	From s. s. Ecuador from Hong-kong.
India:				
Bombay.....	Dec. 10-30.....	5	1	Oct. 8-14, 1916: Cases, 3; deaths, 3. Received out of date.
Do.....	Dec. 31-Apr. 14.....	210	99	Original report lost on s. s. Arabia.
Calcutta.....	Nov. 5-Dec. 2.....	.....	2	
Do.....	Feb. 18-Mar. 24.....	6	1	
Karachi.....	Dec. 31-Apr. 7.....	6	1	
Madras.....	Nov. 5-Dec. 30.....	35	19	
Do.....	Dec. 31-Apr. 14.....	416	98	
Moulmein.....	Oct. 28-Nov. 14.....	.....	4	
Rangoon.....	Oct. 28-Dec. 30.....	17	1	
Do.....	Dec. 31-Mar. 24.....	75	3	
Indo-China:				
Provinces				
Anam.....	Apr. 1-June 30.....	45	8	Apr. 1-June 30, 1916: Cases, 331; deaths, 23. July 1-Dec. 31, 1916: Cases, 503; deaths, 194.
Do.....	July 1-Dec. 31.....	114	43	Jan. 1-31, 1917: Cases, 174; deaths, 37.
Do.....	Jan. 1-31.....	22	2	
Cambodia.....	Apr. 1-June 30.....	30	11	
Do.....	July 1-Dec. 31.....	24	10	
Do.....	Jan. 1-31.....	14	6	

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China—Continued.				
Provinces—Continued.				
Cochin-China.....	Apr. 1-June 30.....	44	5	
Do.....	July 1-Dec. 31.....	336	99	
Do.....	Jan. 1-31.....	110	29	
Laos.....	Aug. 1-Oct. 31.....	39	16	
Tonkin.....	Apr. 1-June 30.....	215	4	
Do.....	July 1-Dec. 31.....	69	25	
Do.....	Jan. 1-31.....	28		
Saigon.....	Nov. 6-Dec. 31.....	28	7	
Do.....	Jan. 1-Apr. 15.....	420	100	
Italy:				
Turin.....	Feb. 19-Apr. 29.....	48	8	Routmanian refugees.
Jamaica:				
Kingston.....	May 6-12.....	1		
Japan:				
Ehime.....	Jan.-Feb.....			Present.
Hyogo.....	do.....			Do.
Kagawa.....	do.....			Do.
Kobe.....	Nov. 28-Dec. 10.....	4	1	
Do.....	Jan. 1-Apr. 29.....	120	25	
Kochi.....	Jan.-Feb.....			Do.
Osaka.....	Jan. 22-Apr. 30.....	533	115	
Taiwan Island—				
Tansui.....	Mar. 29-Apr. 4.....	1		
Yokkaichi.....	Apr. 1-14.....	3	1	
Java:				
East Java.....				
Surabaya.....	Nov. 4-10.....	1		Sept. 16-Dec. 31, 1916: Cases, 92; deaths, 2. Jan. 8-Mar. 25, 1917: Cases, 33; deaths, 1.
Mid-Java.....				
Samarang.....	Nov. 4-10.....	3		Sept. 16-Dec. 29, 1916: Cases, 227; deaths, 24. Jan. 6-Mar. 10, 1917: Cases, 133; deaths, 12.
West Java.....				
Batavia.....	Sept. 29-Dec. 28.....	54	9	Sept. 29-Dec. 28, 1916: Cases, 408; deaths, 63. Jan. 19-Apr. 5, 1917: Cases, 198; deaths, 35.
Do.....	Dec. 29-Apr. 5.....	32	5	
Mexico:				
Coatepec.....	Apr. 18.....			Epidemic, 6 miles from Jalapa.
Durango.....	Feb. 17.....			Present; also in vicinity.
Jalapa.....	Apr. 18.....			Prevalent.
Mexico City.....	Dec. 10-30.....	20		
Do.....	Dec. 31-May 5.....	217		
Monterey.....	Mar. 12-Apr. 29.....		6	
Nuevo Laredo.....	Dec. 10-30.....	1		
Progreso.....	Apr. 7.....	1	1	
Vera Cruz.....	Feb. 18-May 19.....	9		
New Zealand:				
Auckland.....	Feb. 4-10.....	4		
Norway:				
Trondhjem.....	Jan. 1-31.....	2		
Philippine Islands:				
Manila.....	Jan. 21-Feb. 17.....	15		July 30-Dec. 30, 1916: Cases, 10.
Portugal:				
Lisbon.....	Nov. 19-Dec. 28.....	6		
Portuguese East Africa:				
Lourenço Marques.....	Sept. 1-30.....		1	
Russia:				
Archangel.....	Nov. 25-Dec. 29.....	6	1	
Do.....	Jan. 1-Mar. 14.....	92	13	
Moscow.....	Oct. 16-Dec. 31.....	139	49	Nov. 13-25, 1916: Cases, 35; deaths, 8.
Do.....	Jan. 1-Feb. 11.....	173	47	
Petrograd.....	Oct. 8-Dec. 30.....	180	65	
Do.....	Dec. 31-Feb. 17.....	206	73	
Poland.....				
Warsaw.....	Oct. 1-Dec. 2.....	25		Oct. 1-Dec. 2, 1916: Cases, 38.
Do.....	Jan. 9-Feb. 12.....	39	4	Mar. 4-20, 1916: Cases, 65; deaths, 7.
Riga.....	Dec. 1-31.....	1		
Do.....	Jan. 1-27.....	4		
Vladivostok.....	Jan. 22-Mar. 21.....	27	10	
Siam:				
Bangkok.....	Mar. 4-10.....	1	1	
Spain:				
Bilbao.....	Jan. 1-31.....		2	
Cadiz.....	Nov. 1-Dec. 31.....		3	
Madrid.....	do.....		144	Jan. 1-Dec. 31, 1916: Deaths, 408.
Do.....	Jan. 1-Mar. 31.....		41	
Malaga.....	Sept. 1-Nov. 30.....		15	

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

Reports Received from Dec. 30, 1916 to June 8, 1917—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Spain—Continued.				
Seville.....	Nov. 1-30.....	.....	22	
Do.....	Jan. 1-Mar. 31.....	.....	24	
Valencia.....	Nov. 19-Dec. 23.....	5	1	
Do.....	Jan. 14-Apr. 21.....	14	.....
Straits Settlements:				
Penang.....	Oct. 28-Dec. 30.....	16	3	
Do.....	Dec. 31-Mar. 17.....	33	5	
Singapore.....	Nov. 19-Dec. 30.....	3	2	
Do.....	Jan. 7-Mar. 24.....	4	1	
Sweden:				
Goteborg.....	Jan. 28-Feb. 3.....	.....	1	
Stockholm.....	Mar. 18-31.....	2	.....
Switzerland:				
Basel.....	Nov. 5-11.....	1	.....
Do.....	Dec. 31-Mar. 24.....	30	.....
Tunisia:				
Tunis.....	Nov. 25-Dec. 15.....	51	27	
Do.....	Dec. 30-May 4.....	76	49	
Turkey in Asia:				
Trebizond.....	Nov. 11-Dec. 30.....	1	1	
Do.....	Dec. 31-Feb. 24.....	.....	20	
Union of South Africa:				
Johannesburg.....	Sept. 10-Dec. 30.....	45	.....
Do.....	Dec. 31-Mar. 10.....	22	.....
Uruguay:				
Montevideo.....	Feb. 1-8.....	1	1	
Venezuela:				
Maracaibo.....	Feb. 1-Apr. 21.....	.....	22	
On vessek				
S. S. Nippon Maru.....	Jan. 22.....	2	.....	Landed at Yokohama quaran-
Do.....	Jan. 24-Feb. 3.....	9	3	tine. En route to Honolulu. Vessel from oriental ports.

TYPHUS FEVER.

Algeria:				
Algiers.....	Feb. 1-Mar. 31.....	3	2	
Argentina:				
Rosario.....	Nov. 1-30.....	.....	1	
Austria-Hungary:				July 23-Oct. 21, 1916: Cases, 1,685.
Austria.....				
Prague.....	Jan. 28-Mar. 10.....	5	.....
Vienna.....	Nov. 5-Dec. 30.....	21	2	
Do.....	Dec. 31-Mar. 24.....	33	1	
Bosnia-Herzegovina.....				July 23-Oct. 22, 1916: Cases, 32.
Hungary.....				Nov. 20-Dec. 17, 1916: Cases, 36.
Budapest.....	Nov. 5-Dec. 30.....	3	1	Dec. 23, 1916-Feb. 11, 1917: Cases,
Do.....	Jan. 14-Mar. 31.....	94	45	130.
Belgium:				
Ghent.....	Oct. 29-Nov. 4.....	.....	1	
Liege.....	do.....	.....	1	
Do.....	Jan. 28-Feb. 3.....	.....	1	
Canada:				
Ontario—				
Ottawa.....	Apr. 9-15.....	.....	1	
China:				
Antung.....	Nov. 27-Dec. 10.....	6	.....
Do.....	Jan. 15-21.....	2	.....
Hankow.....	Nov. 12-18.....	1	.....
Tientsin.....	Oct. 29-Nov. 4.....	1	.....
Tsingtao.....	Dec. 28-Apr. 15.....	9	.....
Cuba:				
Santiago.....	Dec. 7-13.....	1	1	
Egypt:				Nov. 19-Dec. 23, 1916: 5 cases.
Alexandria.....	Nov. 12-Dec. 31.....	28	12	
Do.....	Jan. 1-Apr. 20.....	1,574	387	
Cairo.....	June 11-July 1.....	275	142	
Do.....	July 2-Nov. 11.....	300	152	
Port Said.....	June 11-17.....	20	9	
Do.....	July 2-Oct. 14.....	10	8	
Germany:				
Berlin.....	Oct. 15-Dec. 23.....	.....	7	
Bremen.....	Oct. 22-Dec. 30.....	1	3	
Do.....	Dec. 31-Jan. 27.....	1	3	

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany—Continued.				
Brunswick.....	Jan. 21-Feb. 17....	1	.....
Erfurt.....	do.....	1	.....
Frankfort-on-Main.....	Nov. 12-18.....	.....	1	
Greifswald.....	Feb. 18-Mar. 10....	1	.....
Königsberg.....	Nov. 12-Dec. 23....	5	5	
Do.....	Dec. 31-Jan. 17....	6	2	
Marienwerder district.....	Dec. 3-9.....	1	.....	Prison camp.
Marienwerder.....				
Posen.....	Feb. 18-Mar. 10....	19	.....
Potsdam.....				
Merseburg.....	Jan. 21-Feb. 17....	4	.....
Neidenburg.....	Oct. 29-Nov. 18....	7	.....
Nuremberg.....	Oct. 29-Nov. 11....	3	.....
Potsdam.....	Jan. 7-13.....	2	.....
Ruhleben.....	Feb. 18-Mar. 10....	6	.....
Stettin.....	Jan. 21-27.....	.....	1	
Great Britain:				
Belfast.....	Mar. 11-Apr. 28....	36	3	
Cork.....	Jan. 7-Feb. 3.....	1	.....
Glasgow.....	Dec. 3-30.....	4	.....
Do.....	Jan. 7-13.....	.....	1	
Greece:				
Saloniki.....	Nov. 7-Dec. 25....	.....	36	
Do.....	Dec. 26-Mar. 31....	.....	34	
Italy:				
Bari Province—				
Corato.....	Mar. 5-11.....	5	.....
Java:				
East Java.....				Sept. 16-Dec. 16, 1916: Cases, 10; Jan. 8-Mar. 25, 1917: Cases, 18; deaths, 3.
Mid-Java.....				Sept. 16-Dec. 29, 1916: Cases, 87; deaths, 7. Jan. 7-Mar. 24, 1917: Cases, 61; deaths, 6.
Samarang.....	Nov. 4-Dec. 1.....	10	.....	Sept. 29-Dec. 28, 1916: Cases, 185; deaths, 13. Jan. 19-Apr. 5, 1917: Cases, 87; deaths, 5.
West Java.....	Sept. 29-Dec. 28....	139	12	
Batavia.....	Jan. 19-Apr. 5.....	67	.....
Do.....				
Mexico:				
Aguascalientes.....	Dec. 22.....	.....	.....	Epidemic.
Ciudad Juarez.....				July, 1916-Feb. 5, 1917: Cases, 100 (estimated).
Durango.....	Dec. 12.....	.....	.....	Present.
Do.....	Jan.-Feb.....	.....	.....	Present. Estimated deaths daily, about 25. Present throughout year 1916.
Mexico City.....	Dec. 3-30.....	835	.....
Do.....	Dec. 31-May 5.....	2,370	.....
Monterey.....	Apr. 2-8.....	.....	1	
Nuevo Laredo.....	Dec. 10-16.....	4	.....	July 1-Dec. 16, 1916: Cases, 28.
Netherlands:				
Amsterdam.....	Feb. 25-Mar. 3.....	2	.....
Rotterdam.....	Nov. 26-Dec. 30....	8	.....
Do.....	Feb. 4-10.....	1	.....
Russia:				
Archangel.....	Nov. 25-Dec. 29....	29	9	
Do.....	Jan. 1-Mar. 14....	72	23	
Moscow.....	Oct. 16-Dec. 31....	127	17	
Do.....	Jan. 1-Feb. 11....	141	19	
Petrograd.....	Oct. 8-Dec. 30....	155	44	
Do.....	Dec. 31-Feb. 17....	120	38	
Poland.....				
Lodz.....	Oct. 1-Dec. 2.....	201	20	Oct. 1-Dec. 2, 1916: Cases, 1,538; deaths, 119. In invaded re- gions.
Warsaw.....	do.....	611	36	Mar. 4-May 29, 1916: Cases, 830; deaths, 80.
Do.....	Jan. 9-Feb. 12....	497	27	
Vladivostok.....	Jan. 22-Mar. 31....	5	.....
Spain:				
Madrid.....	No. 1-Dec. 31.....	.....	3	Jan. 1-Dec. 31, 1916: Deaths, 35.
Do.....	Jan. 1-Feb. 28....	.....	3	
Straits Settlements:				
Penang.....	Feb. 25-Mar. 3.....	1	.....
Sweden:				
Stockholm.....	No. 28-Dec. 4.....	1	.....
Do.....	Dec. 31-Jan. 6.....	3	.....
Switzerland:				
Basel.....	Feb. 18-24.....	1	.....
Zurich.....	Dec. 3-9.....	1	.....
Do.....	Jan. 1-Mar. 17....	4	.....

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

Reports Received from Dec. 30, 1916, to June 8, 1917—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tunisia:				
Tunis.....	Dec. 16-22.....	1	.....	Feb. 7, 1917: 54 cases reported in Army of the Orient.
Turkey in Asia.....				
Haifa.....	Oct. 16-22.....	1	.....
Trebizond.....	Dec. 17-30.....	3	3	
Do.....	Dec. 31-Feb. 24.....		7	
Venezuela:				
Maracaibo.....	Apr. 15-28.....		2	

YELLOW FEVER.

Brazil:				
Espirito Santo, State.....	Jan. 27-Feb. 26....	18	4	
Ecuador:				
Babahoyo.....	Nov. 1-30.....	1	1	
Chobo.....	do.....	1	.....
Duran.....	Oct. 1-31.....	1	.....
Guayaquil.....	Sept. 1-Dec. 31....	46	24	
Do.....	Jan. 1-30.....	17	7	
Milagro.....	Sept. 1-31.....	1	.....
Do.....	Oct. 1-31.....	2	1	
Gold Coast.....	Jan. 1-31.....	1	.....
				In 1915: Cases, 2; deaths, 2—Eu- ropean and native.