

# PUBLIC HEALTH REPORTS

VOL. 36

DECEMBER 23, 1921

No. 51

## THE UNITED STATES PUBLIC HEALTH SERVICE.

INFORMATION FOR PERSONS DESIRING TO ENTER THE REGULAR CORPS OF THE SERVICE.<sup>1</sup>

### Historical.

The history of the Public Health Service dates back more than a century. It had its origin in the old Marine Hospital Service, which was first authorized by Congress by the act approved July 16, 1798. Under this act the President was authorized to nominate and appoint medical officers at such ports and places in the United States as might be required to furnish medical care to sick and disabled seamen of the American Merchant Marine, either in hospitals maintained by the United States or by contract with civilian institutions. The marine hospital fund was obtained by imposing a tax of 20 cents per month on seamen employed on American vessels engaged in the foreign and coasting trade. The levy was collected by the collectors of the customs, and in this manner the Service came under the jurisdiction of the Treasury Department, where it has remained since its inception.

The first marine hospital built under the act of 1798 was located at Norfolk, Va., in 1800. In 1802 a marine hospital was built for the port of Boston, and from time to time marine hospitals were built at other important seaports. In order to provide for the relief of seamen on the lakes and rivers, Congress passed an act, approved March 3, 1837, authorizing the appointment of a board of medical officers of the Army to select sites for marine hospitals on the Mississippi and Ohio Rivers and on Lake Erie, and under authority of this act a number of hospitals were established.

The evolution of public health functions from such a service was along natural lines. The medical officers, in providing care for the American Merchant Marine, were often the first physicians to diagnose such diseases as cholera, yellow fever, smallpox, and the like, which were being imported into the United States. This was especially

<sup>1</sup> Prepared by Passed Assistant Surgeon R. C. Williams, from material contained in the following publications:

Miscellaneous Pub. No. 13: The United States Public Health Service as a Career.

Reprint No. 661: The United States Public Health Service: Its Evolution and Organization.

the case in the southern ports as regards yellow fever; and during epidemics, when called upon by State and local health authorities, the President authorized the Marine Hospital Service to aid the health authorities in giving relief and in the control of these diseases. In the epidemics of cholera which at times occurred in certain ports of the United States, the marine hospitals and the medical officers were utilized wherever practicable for the relief of those suffering from the disease.

During the Civil War the marine hospitals, together with the medical officers, were used by the military authorities, both North and South, for the care of the military forces.

It was not until 1878 that Congress authorized the use of the Marine Hospital Service in an extensive way as the Federal Health Service. The act approved April 29, 1878, gave very broad powers to the Service to cooperate with State and local health authorities in the control of disease, especially yellow fever. This act was for the most part a quarantine act to prevent the introduction of contagious and infectious diseases into the United States. Not until the act of March 27, 1890, was passed did Congress utilize the Marine Hospital Service as the Federal health agency for the prevention of interstate spread of disease. This act authorized the use of the Service for the prevention of only four diseases: Cholera, yellow fever, small-pox, and plague. By the act of February 15, 1893, the powers of the Marine Hospital Service in this regard were extended to cover all infectious and contagious diseases, in cooperation with State and local health agencies.

Recognizing the efficiency of military discipline of the Marine Hospital Corps in the control of epidemic diseases, Congress passed the act approved January 4, 1889, which authorized by law the organization of the Marine Hospital Corps and provided that the officers be commissioned in grades similar to those of the Medical Department of the United States Army. The act approved March 3, 1875, had already provided that the Surgeon General (Supervising Surgeon) should be appointed by the President, by and with the advice and consent of the Senate. This office was created by the act approved June 29, 1870, which defined the duties of the office and provided that the officer appointed be a surgeon.

After the act of 1893, which organized the Marine Hospital Service into the Federal Health Service, Congress continued to impose additional health functions upon the Service, and on July 1, 1902, passed the act which changed its name to the Public Health and Marine Hospital Service and made it a health service in name as well as functions. The larger part of its functions up to this time had been the combating of epidemics, especially those of yellow fever, which from time to time swept over the country. When bubonic plague

threatened the country in 1900, through the port of San Francisco, the Marine Hospital Service was placed in charge of control methods, and after an extensive campaign it succeeded in preventing any extensive spread of that disease throughout the United States.

#### Functions.

While the public health functions of the Service had their inception in the prevention of the introduction and spread of quarantinable diseases, their development in logical sequence was brought about by growing public opinion. In addition to the quarantine and hospital functions, the activities of the Service include research and educational work. The investigative functions began with the investigation of such diseases as yellow fever and cholera, in the early part of the existence of the Service, but it was not until July 1, 1902, that Congress authorized the establishment of the Hygienic Laboratory for this purpose. Since this legal authorization the Hygienic Laboratory has grown very rapidly, until now it stands as one of the foremost research institutions in the world. It contains approximately 50,000 square feet of space, has a personnel of 119, and is most excellently equipped for carrying on pathological, zoological, pharmacological, bacteriological, chemical, and physiological work.

From the control of epidemics the Public Health and Marine Hospital Service began to develop control measures for the more common contagious and infectious diseases, such as typhoid fever, diphtheria, and scarlet fever. The history of the wonderful control of typhoid fever which has taken place in the United States within the past 15 years is a part of the history of the Public Health Service in cooperation with State and local health agencies; and now typhoid fever, which formerly took a toll of more than 50,000 lives annually of the population of the United States, is responsible for the death of something less than 10,000.

The development of health functions of the Public Health and Marine Hospital Service continued until finally Congress, by the act approved August 14, 1912, changed the name again to its present one, the United States Public Health Service, and at the same time gave it very broad powers to investigate the diseases of man and the pollution of navigable streams and lakes of the United States.

Under existing authority of law, in addition to its hospital functions, the functions of the Public Health Service may be described under the following heads:

1. Protection of the United States from the introduction of disease from without.
2. Prevention of the interstate spread of disease and suppression of epidemics.

3. Cooperation with State and local boards of health in health matters.
4. Investigation of diseases of man.
5. Supervision and control of biological products.
6. Public health education and dissemination of health information.

To protect the United States from the introduction of disease from without, the Service now operates all of the maritime quarantine stations of the United States and its insular possessions. The object of the quarantine service is to protect the United States from diseases like smallpox, typhus fever, leprosy, yellow fever, cholera, and bubonic plague. To further prevent the introduction of diseased persons into the United States, the Service is charged by law with the medical examination of immigrants, and during the fiscal year 1919-20, 762,127 immigrants were examined by its officers.

To prevent the interstate spread of disease and to suppress epidemics, the Service is authorized by law to cooperate with State and local health authorities. At the present time this work includes the suppression of epidemics, such as instituting measures to prevent the spread of bubonic plague on the southern and western coasts; sanitation of vessels and trains of interstate common carriers, including the examination of drinking water used on trains and vessels, and the control of travel of diseased persons; cooperation with State departments of health in making effective State and Federal control over the spread of communicable diseases; and cooperation with the National Park Service in sanitation of national parks to prevent the spread of disease through the use of these parks by the traveling public.

At the request of the State and local health authorities, the cooperative activities of the Public Health Service take numerous forms, such, for example, as conducting studies of public health administration and organization; making sanitary surveys of counties, municipalities, and towns; investigating outbreaks of communicable diseases; and aiding States in the investigation of disease-producing conditions. Very special types of cooperation are such as venereal-disease work of the Public Health Service, work in rural sanitation, and work in the prevention and control of malaria.

Under the act approved August 14, 1912, the Public Health Service is authorized to study and investigate the diseases of man and the pollution of streams. Under authority of this act, the Service is now carrying on investigations in tuberculosis, influenza, pneumonia, anthrax, amebiasis, botulinus poisoning, hookworm, leprosy, malaria, meningitis, pellagra, plague, trachoma, typhoid fever, child hygiene, industrial hygiene, excreta disposal, and stream



pollution. The investigative work is done at various stations in the field and also at the Hygienic Laboratory in Washington.

Under the act of July 1, 1902, the Public Health Service supervises and controls the manufacture of biologic products, such as viruses, vaccines, therapeutic serums, toxins, antitoxins, or analogous products applicable to the prevention and cure of diseases of man. The manufacture of some 96 products is supervised. The manufacture of these products is under license according to regulations, and they are kept under careful supervision by means of inspection made by officers of the Service, the products being constantly tested for purity and potency. The value of the products supervised by the Public Health Service in the fiscal year 1920 is approximately \$10,000,000; and as new advances in preventive medicine are made, the number of these products is continually increasing.

One of the important functions of the Public Health Service is the dissemination of public health information for the use of the public. The scientific public is informed by bulletins prepared by the Hygienic Laboratory and the Division of Scientific Research. State and local health authorities, quarantine officers, and other persons interested in public health matters are kept advised as to the prevalence of diseases by weekly publication of the Public Health Reports. In addition to this information, articles of general interest to sanitarians, on the progress of disease prevention, are published in the Public Health Reports. During the fiscal year 1920 the total issue of pamphlets and bulletins by the Public Health Service, exclusive of those relating to venereal disease, was 5,806,220.

#### **Personnel and Administrative Organization.**

The Public Health Service is a bureau in the Treasury Department and is in direct charge of the Surgeon General, whose acts are subject to general supervision and approval by the Secretary of the Treasury. The Surgeon General administers the affairs of the Bureau through seven administrative divisions established by law, namely:

- Division of Marine Hospitals and Relief;
- Division of Domestic Quarantine;
- Division of Foreign and Insular Quarantine;
- Division of Personnel and Accounts;
- Division of Sanitary Reports and Statistics;
- Division of Scientific Research;
- Division of Venereal Diseases.

#### **Examination for Entrance into Regular Corps.**

A candidate for appointment in the regular corps of the United States Public Health Service is required to undergo a thorough examination before a board of regular medical officers. In order to

appear for this examination, candidates must be invited by the Surgeon General of the Service. To secure this invitation, the candidate must fill out a blank stating his name, age, place of birth, his marital condition, the college from which he graduated, and his height and weight. He must also certify that he is free from any ailment which would disqualify him for service in any climate. The application should be accompanied by at least two recommendations as to the character and professional ability of the candidate.

Examinations are held at intervals in various large cities of the United States. No allowance is made for the expenses of candidates appearing for examination.

Persons desiring to enter the regular corps of the Public Health Service must be between 23 and 32 years of age, citizens of the United States, graduates of a reputable medical college, and they must have served in a hospital for one year, or engaged in the practice of medicine for not less than two years.

The examination consists of a thorough physical examination, an oral examination in the various branches of general education, and a professional examination in writing in the following branches: Anatomy, physiology, chemistry, materia medica and therapeutics, practice of medicine, surgery, obstetrics and diseases of women, pathology and bacteriology, and hygiene and sanitation. A clinical examination is also given in which medical and surgical cases are examined by the candidate, the histories written, the diagnosis established, and the treatment outlined. As a part of the examination in pathology and bacteriology, certain microscopic preparations must be identified. Candidates are required to make a general average of 80 per cent in all branches. In case of rejection, another opportunity may be given to take the examination at the expiration of one year.

Candidates who are invited to appear, report to the chairman of the board at a certain hour on a specified day, usually at 10 a. m. on a Monday. Careful inquiry is made by the board into the diseases from which the candidate has suffered, and the effect which they have had upon his general health. Inquiry is also made into the family history of the candidate to determine whether or not he has any inherited tendency toward disease or conditions which might incapacitate him for active service. He is required to disrobe, and is given a very careful physical examination. The urine is tested and a microscopic examination of the blood and a Wassermann blood test are made. Color perception must be normal. Physical soundness is a prerequisite for appointment. Should the board of examiners find that the candidate is not up to the physical standard, his examination is terminated.

The candidate is next required to write a short autobiography, stating date and place of birth, whether married or single, the school, institution, or college at which he received his general education, the medical school from which he graduated, date of graduation in medicine, the opportunities he has had for engaging in the practice of medicine, surgery, and obstetrics, whether he has been a resident physician or interne in a civil or military hospital, and the opportunities he has had for doing public health work.

The candidate is then given an oral examination, lasting from one-half to one hour, in the general common school and college branches. Questions on geography and current events are also included. No "catch" questions are given. The idea of the oral examination is not entirely to discover what the candidate does or does not know, but also to determine the character of his mental processes, whether he has the ability to think quickly and act quickly, and whether he has been using his brain for the purpose of memorizing things or to think with.

The written examination is given next. As will be seen by the following list, the questions are broad and calculated to give the candidate ample opportunity to demonstrate his real understanding of the subject. The following are a number of questions which have been asked in recent years. Usually five questions are given on each branch. The time allowed for each examination is three hours. The order in which the different branches are given below is that followed during the examination.

#### ANATOMY.

1. Enumerate the serous membranes of the body and give the relations of the pleura.
  2. Describe the femoral artery and give its branches and relations.
  3. Describe the tibia.
  4. Describe the prostate gland.
  5. Describe the great sciatic nerve.
- 
1. Describe the inferior maxillary bone, giving its muscular relations.
  2. Describe the hip joint.
  3. Describe the duodenum.
  4. Describe the liver.
  5. Describe the fifth cranial nerve.

#### PHYSIOLOGY.

1. Name the cranial nerves and give their functions.
  2. Discuss the digestion of fats.
  3. Name the ductless glands and give their functions.
  4. Describe the blood cells and give their origin.
  5. Give the functions of the liver.
- 
1. Describe the blood in health.
  2. Name the fluids of the body which are acid in reaction and describe one of them.
  3. Give a classification of foods and illustrate with examples.

4. Describe the lymphatic system.
5. Describe the track of a motor impulse originating in the cerebral cortex and resulting in flexion of the knee.

## CHEMISTRY.

1. What are the principal constituents of cow's milk?
2. Give the chemical explanation of the souring and curdling of milk.
3. Give qualitative tests for lead, phosphorus, mercury, and formaldehyde.
4. Give the preparation and physical properties of three common salts.
5. Give the chemical formula for potassium iodide and state how it is made.
1. Define acid, alkali, base, salt, molecule, and illustrate with examples.
2. Define alcohols. Name three and give their formulas. Give method of preparation of one.
3. Give the general physical and chemical properties of human urine.
4. Which metals belong to the arsenic group? Describe the principal tests of arsenic.
5. How much iodine is contained in 33 grams of potassium iodide assuming that the atomic weight of iodine is 126 and that of potassium is 39? How many grams of hydrochloric acid and zinc must be combined to produce 1 grain of hydrogen, assuming that the atomic weights are as follows: Zn, 65; Cl, 35; H, 1?

## MATERIA MEDICA AND THERAPEUTICS.

1. Give the official preparations and physiological action of caffeine and belladonna.
2. Give maximum and minimum doses of strychnine sulphate, apomorphine hydrochloride, cerium oxalate, fluid extract of ipecac, cocaine hydrochloride, antimony and potassium tartrate.
3. State the use of plasters, blisters, ointments, and liniments.
4. Name three expectorants; give manner of action of each and two official preparations of each with doses.
5. Name three local anesthetics and discuss their action.
1. Name three drugs having antipyretic action and give their dosage.
2. Name the principal mydriatics and myotics; give their dosage and indications for their use.
3. Name the principal cardiac stimulants; give their dosage and indications for their use.
4. Name four hypnotics and give their dosage.
5. Name six preparations of mercury, giving their Latin and English names.

## PRACTICE OF MEDICINE.

1. Discuss causes, symptoms, physical signs, and treatment of mitral regurgitation.
2. Give symptoms, differential diagnosis, and treatment of estivo autumnal (pernicious) malaria.
3. Give etiology, symptoms, diagnosis, and treatment of diphtheria.
4. Give differential diagnosis of typhoid fever, malarial fever, and acute miliary tuberculosis.
5. Discuss the artificial feeding of infants.
1. Discuss the treatment of pulmonary tuberculosis.
2. Discuss the symptoms and differential diagnosis of typhoid fever.
3. Name three diseases due to animal parasites of the intestinal tract and describe the life cycle of one such parasite.
4. Discuss the etiology and diagnosis of convulsions in an infant.
5. Discuss the etiology, symptoms, and treatment of peripheral neuritis.

## PRACTICE OF SURGERY.

1. Give symptoms of stone in the bladder and describe how a stone should be removed.
2. Discuss treatment of hemorrhoids.
3. Give the treatment of tuberculous abscesses.
4. Describe an operation for partial thyroidectomy.
5. Describe diagnosis and treatment of fractures of the middle third of the humerus.
1. Discuss methods of administration of the general anesthetics and name the conditions which influence the choice of an anesthetic.
2. Describe the operation for removal of the appendix.
3. Discuss the differential diagnosis and treatment of gallstones.
4. Discuss the treatment of compound fractures.
5. Discuss the treatment of hypertrophy of the prostate gland.

## OBSTETRICS AND DISEASES OF WOMEN.

1. Discuss puberty and the menopause.
2. Give causes and treatment of hemorrhage from the uterus.
3. Give causes and treatment of asphyxia in a newborn child.
4. Discuss the course of labor following a breech presentation and state what measures should be taken by the attending physician.
5. Give cause, treatment, and prevention of ophthalmia neonatorum.
1. Give the symptoms, signs, and differential diagnosis of pregnancy.
2. Discuss the etiology, symptoms, and treatment of eclampsia.
3. Give the etiology and treatment of pernicious vomiting of pregnancy.
4. Give the differential diagnosis and treatment of carcinoma of the cervix uteri.
5. Discuss the differential diagnosis of enlargements of the thyroid gland.

## HYGIENE.

1. Give a classification of disinfecting agents and give methods of application of one important disinfectant.
2. Discuss methods of sewage disposal for a city with a population of 100,000.
3. Name three diseases due to water pollution and discuss methods of prevention in case of one of them.
4. Discuss dietary deficiency as a cause of disease.
5. Name six diseases which are transmitted by animal parasites and briefly give mechanism of transmission in one of them.
1. Discuss the transmission of tuberculosis.
2. Discuss the sanitary control of milk supplies.
3. Discuss the relation of climate to health and disease.
4. Describe the essentials of a well-balanced diet.
5. Discuss briefly the relation of exercise, baths, and clothing to health.

## PATHOLOGY AND BACTERIOLOGY.

1. Give the technique for (a) the Widal test, (b) red blood cell count, (c) white blood cell count.
2. Give the pathology of cirrhosis of the liver.
3. Give the pathology of inflammation.
4. Describe a method of staining malaria organisms, tubercle bacilli, and diphtheria bacilli.
5. Name and differentiate four of the common pus-producing organisms.

1. Discuss the pathology of lobar pneumonia.
2. Discuss the pathological changes of the cardio-arterial system due to syphilis.
3. Give laboratory methods of establishing diagnosis for typhoid fever.
4. Describe cultural peculiarities of one of the pathogenic spore-bearing bacteria. How is it stained?
5. Describe the method of staining the tubercle bacillus and the Gram method of staining.

#### **Appointments and Promotions.**

After passing the examination, the successful candidates are recommended to the President for commissions. The President, in turn, sends the nominations to the Senate. After the names have been confirmed by the Senate, the candidates become assistant surgeons. Newly appointed assistant surgeons for the first four years of duty are detailed, when practicable, in the following order:

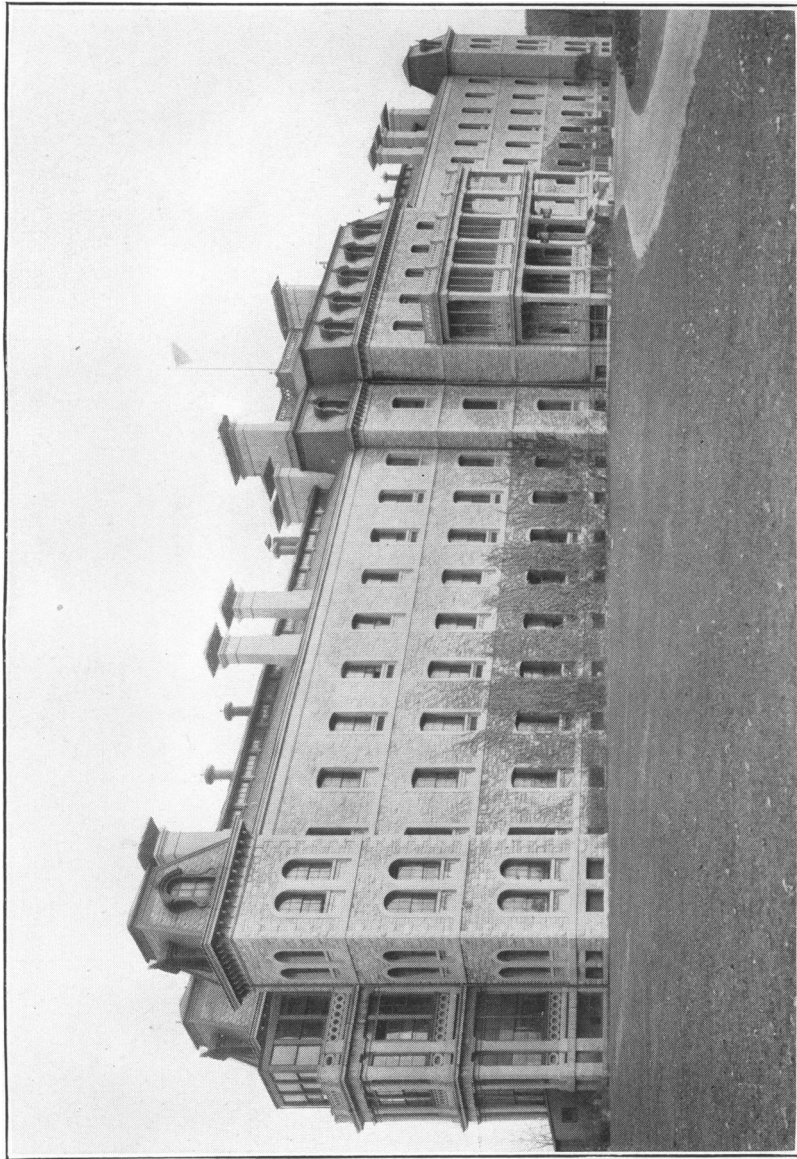
1. United States marine hospital.
2. Quarantine station.
3. Immigration station.
4. Hygienic Laboratory.
5. Field work in public health.

Length of detail in a particular field depends on previous training, public exigencies, and, within limits, the predilection of the officers.

Commissioned officers are not to be appointed to any particular station, but to the general service. They are subject to change of station as the exigencies of the Service may require and serve wherever assigned to duty.

At the end of four years' commissioned service, an assistant surgeon comes up for examination for promotion to the grade of passed assistant surgeon. This examination consists of three parts: (A) Physical; (B) record while in the service; (C) professional. The professional examination consists of written tests in the following branches: (1) Practice of medicine; (2) practice of surgery; (3) hygiene; (4) epidemiology; (5) regulations of the service. In order to be recommended for promotion, an average of 80 per cent must be received in all branches. Should a candidate for promotion fail to achieve the required grade, he will be eligible for reexamination at the expiration of one year, but should he again fail he is not allowed a third examination, and will be reported to the Secretary of the Treasury as not qualified for promotion. An assistant surgeon so reported is requested to tender his resignation.

Passed assistant surgeons at the expiration of 12 years' commissioned service are eligible to examination to determine their fitness for promotion to the grade of surgeon. This examination consists of (A) physical examination; (B) record while in the service; and (C) professional examination. The professional examination consists of a written examination on (1) practice of medicine; (2) surgery; (3) hygiene; (4) hospital and quarantine management; (5)



United States Marine Hospital No. 5, Chicago, Ill.

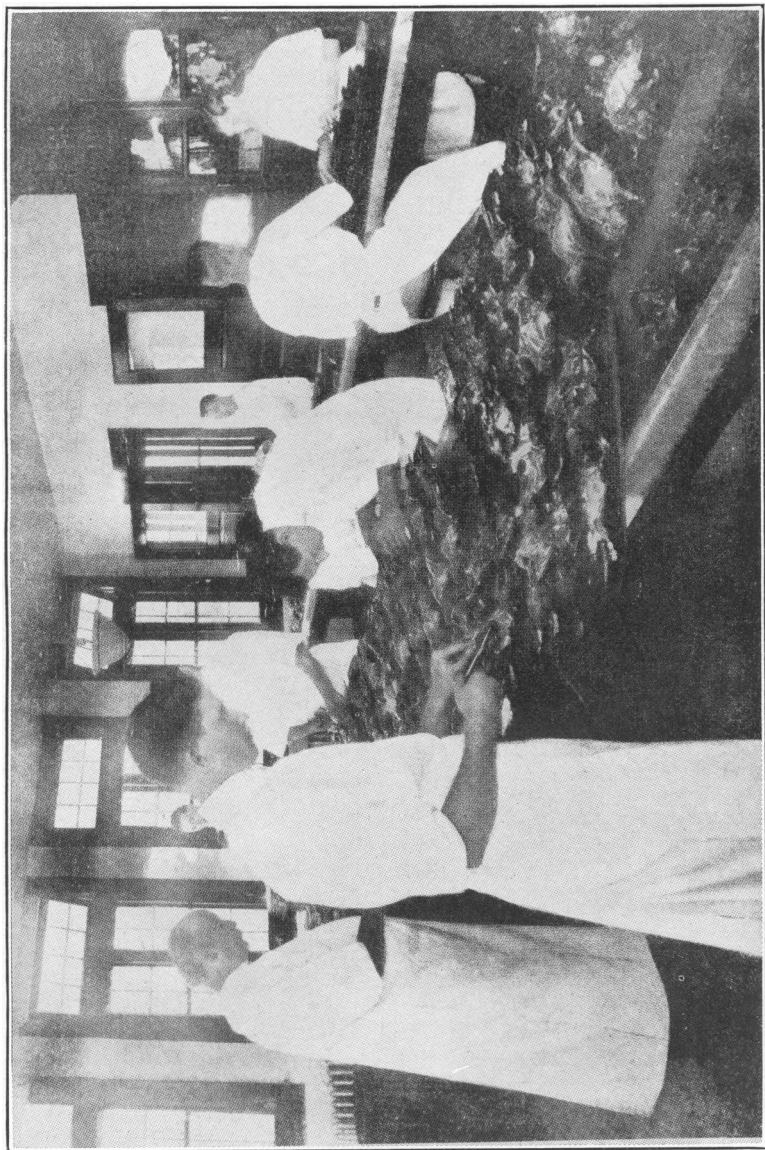


Officers of the United States Public Health Service boarding vessel for quarantine inspection of passengers and crew.

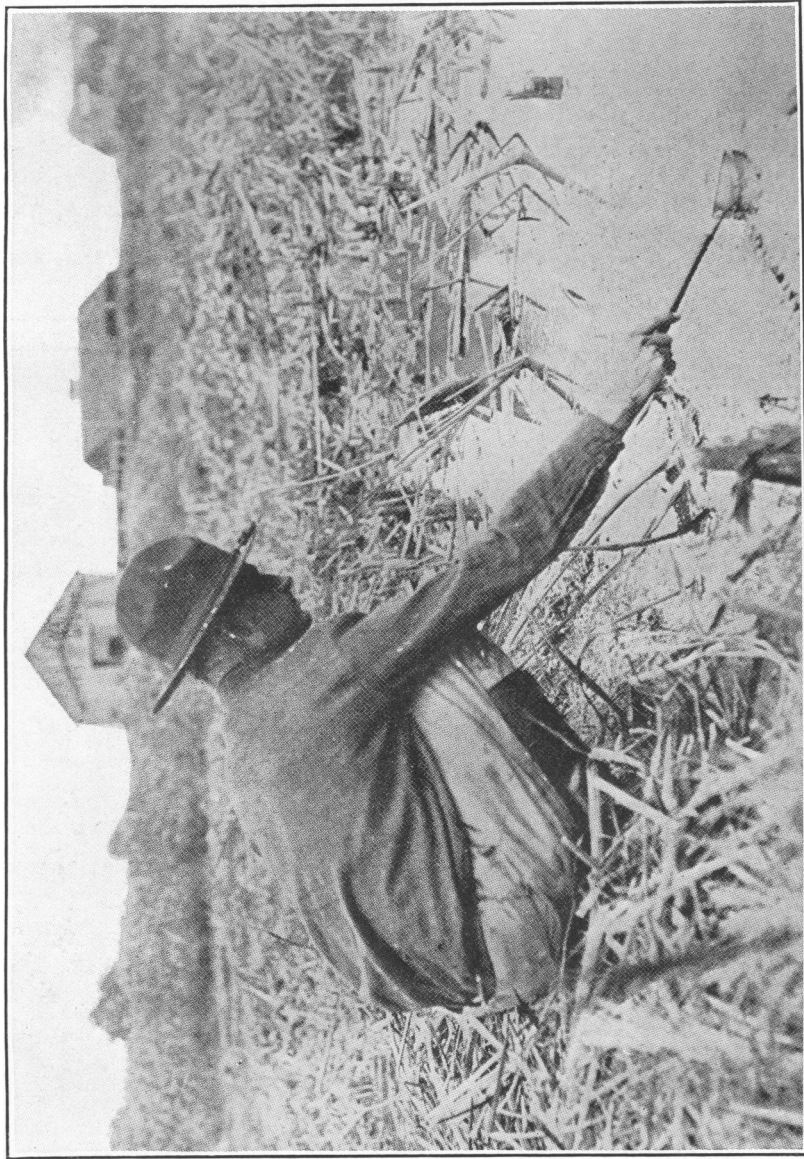




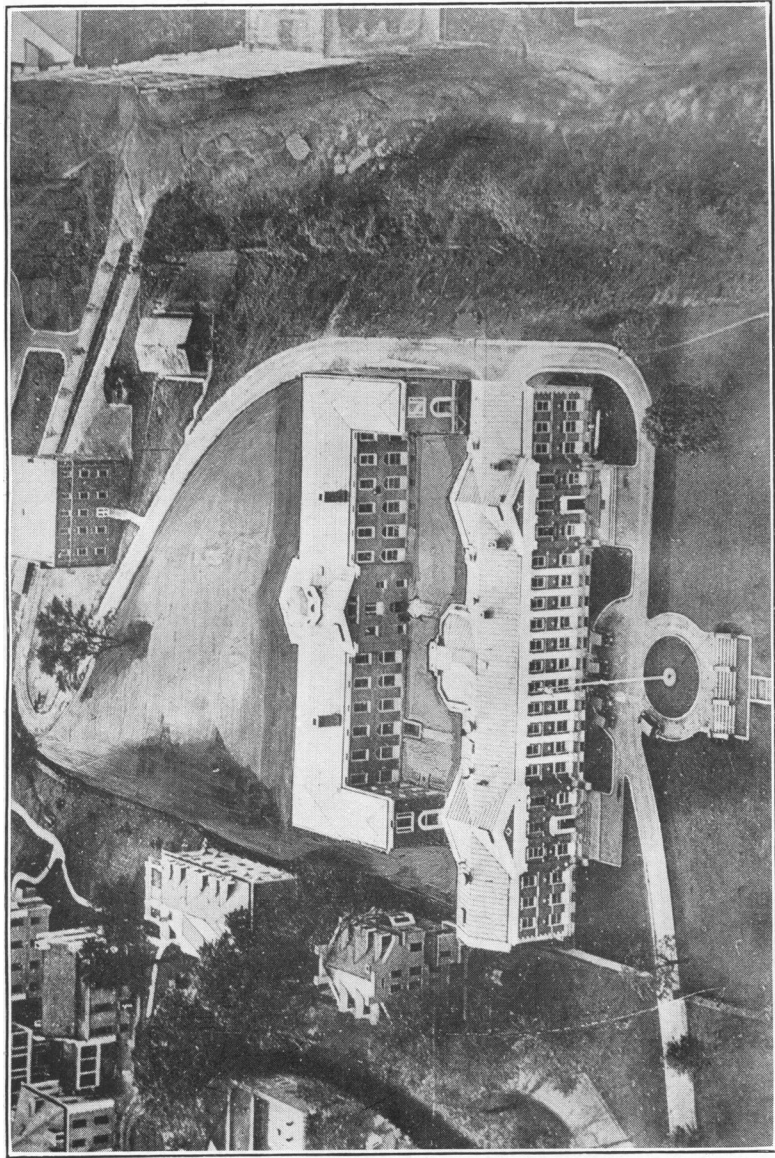
Medical inspection of immigrants by officers of the United States Public Health Service, Ellis Island, N. Y.



Examination of rodent carcasses for bubonic plague, at United States Public Health Service laboratory, New Orleans, La.



Officer of the United States Public Health Service fishing for mosquito larvæ. (Field investigations of malaria.)



Hygienic Laboratory of the United States Public Health Service, Washington, D. C.

regulations of the Public Health Service. An average marking of 80 per cent is required as a passing mark. If a passed assistant surgeon is so unfortunate as to fail in his first examination for promotion to the grade of surgeon, he is not given another examination until the expiration of one year. If he should fail in this second examination, he is reported to the Secretary of the Treasury as not qualified for promotion. A passed assistant surgeon so reported is requested to tender his resignation.

When vacancies occur in the grade of senior surgeon the ranking surgeon is ordered before a board of regular officers, which gives him a thorough physical examination and makes a review of his record for fitness. No officer is promoted who is not found physically fit and whose record does not show meritorious service, or who is over 64 years of age.

Vacancies in the grade of assistant surgeon general at large are filled by promotion of the ranking senior surgeon or an officer who has served as Surgeon General. Before promotion to this grade an officer must appear before a board of regular officers for physical examination and review of his record as to fitness. No officer is promoted who is over the age of 64, who is not found physically fit, and whose record does not show meritorious service.

When a surgeon or senior surgeon fails in an examination for promotion he is reported to the Secretary of the Treasury as not qualified for promotion. When so reported he is placed in the official register of the service as "not in line of promotion."

#### **Leaves of Absence, Pay and Allowances.**

An officer is entitled to one month's leave during each year, and he may accumulate this leave to the amount of four months. He is also granted sick leave when taken ill in line of duty. Should he become unable, by reason of disease or accident (not of a temporary nature and not the result of dissipated habits) to perform his duties, he is, after the expiration of his ordinary and sick leave, carried on "waiting orders" status. Officers on waiting orders receive three-fourths of their pay.

As regards the expenses incident to the service, it may be stated that stations are supplied with medical books and periodicals, and there is no necessity for the officer purchasing these or the instruments of his profession. He is, however, obliged to own and keep in good condition a set of uniforms. When traveling on official duty actual and necessary expenses are met by the Government.

When serving where quarters are not provided by the Government, commutation therefor at the rate of \$12 per month per room is received. Three rooms is the number fixed for assistant surgeons, four for passed assistant surgeons, and so on, adding one room for each additional grade.

*Pay and allowances of commissioned medical officers.*

Grade and length of service.	Base pay per annum.	Increased compensation per annum effective until June 30, 1922. <sup>1</sup>	Longevity increase per annum. <sup>2</sup>	Commutation for quarters per annum.	Average allowances for heat and light per annum.	Total pay and allowances per annum.
Assistant surgeon.....	\$2,000	\$600	-----	\$432	\$191	\$3,223
Passed assistant surgeon.....	2,400	720	-----	576	224	3,920
After five years' service.....	2,400	720	\$240	576	224	4,160
After ten years' service.....	2,400	720	480	576	224	4,400
Surgeon:						
After five years' service.....	3,000	840	300	720	255	5,115
After ten years' service.....	3,000	840	600	720	255	5,415
After fifteen years' service.....	3,000	840	900	720	255	5,715
After twenty years' service.....	3,000	840	1,000	720	255	5,815
Senior surgeon.....	3,500	600	1,000	864	287	6,251
Assistant surgeon general.....	4,000	600	1,000	1,008	317	6,925
Surgeon general.....	6,000	-----	-----	1,152	312	7,464

<sup>1</sup> In the meantime a congressional committee is to investigate the pay situation and to make a report on the matter to Congress by January, 1922, with a view to offering recommendations for permanent readjustment of pay.

<sup>2</sup> At the end of 5 years' service an additional 10 per cent of the base pay is allowed, and for each 5 years thereafter up to 20 years' service an additional 10 per cent is added to the base pay. This is called a longevity increase.

Officers ordered to permanent changes of station are entitled to transportation for wife and dependent children, and also for transportation of household effects not to exceed 7,200 pounds.

**Field of Work.**

The Public Health Service has a broad and varied field of work, including the medical care of certain beneficiaries, patients of the Veterans' Bureau, officers and enlisted men of the United States Coast Guard, sailors of the Merchant Marine, etc., at the United States marine hospitals and Public Health Service Hospitals; the examination of arriving alien immigrants at ports of entry; the conduct of national quarantine stations; the prosecution of campaigns against epidemic disease; the examination of biological products offered for sale in interstate commerce; the carrying out of research study in the Hygienic Laboratory, Washington, D. C.; and the study of the various factors in the protection of the public health in all parts of the Nation. In time of war, officers may be ordered by the President to duty with either the Army or the Navy. The regular officers of the Public Health Service are commissioned by the President by and with the advice and consent of the Senate, and their continuance in office is dependent only upon their good behavior and attention to duty.

**BIRTH RATES IN THE UNITED STATES, 1920.**

RATES IN THE BIRTH REGISTRATION AREA, FURNISHED BY THE BUREAU OF THE CENSUS.

The Department of Commerce, through the Bureau of the Census, announces that in the year 1920 there were 1,508,874 births reported within the birth registration area of the United States, which includes

23 States and the District of Columbia, the estimated population of this area on July 1, 1920, being 63,659,441, or 59.8 per cent of the total population of the United States. The birth rate was 23.7 per 1,000 population, which is considerably higher than the rate (22.3) for the previous year, but is below the rate (25) for 1916, which may be looked upon as a more normal year, as it preceded the influenza epidemic and the entrance of the United States into the war.

For 1920 the highest birth rate (31.7) for the white population is found for North Carolina and the lowest (18.3) for California, while for the colored (which includes Negroes, Indians, Chinese, and Japanese) the highest rates are 39.5 and 39.3, respectively, for Washington and California. The next highest rate for the colored (31.3) is for North Carolina. The lowest rate for the colored (disregarding the very low rates in a few of the New England States in which the Negro population is small) are for Kansas (17.1) and Kentucky (17.6).

*Births and birth rates in the birth registration area of the United States.*

Area.	Number of births.		Rate per 1,000 population.						
	1920	1919	1920	1919	1918	1917	1916	1915	
The birth registration area (total).....	1,508,874	1,373,438	23.7	22.3	24.6	24.7	25.0	25.1	
White.....	1,395,523	1,289,363	23.5	22.1	24.6	24.7	25.1	25.2	
Colored.....	113,351	104,075	27.0	25.2	24.5	24.4	20.4	18.4	
California (total).....	67,199	56,528	19.3	16.8	(1)	(1)	(1)	(1)	
White.....	60,739	50,707	18.3	15.8	(1)	(1)	(1)	(1)	
Colored.....	6,460	5,821	39.3	36.4	(1)	(1)	(1)	(1)	
Connecticut (total).....	34,066	33,912	24.5	24.8	27.6	28.6	27.5	25.9	
White.....	33,532	33,370	24.4	24.8	27.7	28.6	27.7	26.1	
Colored.....	564	542	25.4	25.1	24.2	23.2	18.9	17.9	
District of Columbia (total).....	8,823	8,180	19.9	18.9	19.4	18.2	18.0	18.1	
White.....	6,319	5,901	19.1	18.3	19.2	17.3	16.9	16.9	
Colored.....	2,504	2,279	22.5	20.7	19.8	21.0	21.2	21.4	
Indiana (total).....	64,809	59,286	22.0	20.3	22.2	22.0	(1)	(1)	
White.....	63,301	57,915	22.1	20.4	22.4	22.1	(1)	(1)	
Colored.....	1,508	1,371	18.3	17.1	16.7	16.5	(1)	(1)	
Kansas (total).....	39,632	36,373	22.3	20.6	22.3	22.1	(1)	(1)	
White.....	38,594	35,392	22.5	20.8	22.4	22.3	(1)	(1)	
Colored.....	1,038	981	17.1	16.3	17.2	16.7	(1)	(1)	
Kentucky (total).....	62,888	57,737	26.0	24.0	26.0	25.9	(1)	(1)	
White.....	58,747	53,658	26.8	24.7	27.1	26.7	(1)	(1)	
Colored.....	4,141	4,079	17.6	17.2	16.5	18.3	(1)	(1)	
Maine (total).....	17,328	15,496	22.5	20.2	22.0	21.9	21.2	21.4	
White.....	17,312	15,470	22.6	20.2	22.0	21.9	21.2	21.5	
Colored.....	16	26	6.9	11.2	8.6	5.6	9.4	7.7	
Maryland (total).....	36,212	33,972	24.8	23.6	23.9	24.1	24.1	(1)	
White.....	29,452	27,448	24.3	22.9	23.6	23.6	23.7	(1)	
Colored.....	6,760	6,524	27.5	26.7	25.3	26.7	26.3	(1)	
Massachusetts (total).....	91,092	87,709	23.6	22.9	25.3	25.7	25.4	25.7	
White.....	90,397	86,656	23.6	22.9	25.3	25.7	25.5	25.7	
Colored.....	1,295	1,053	26.3	21.7	26.7	23.9	21.6	21.9	
Michigan (total).....	92,740	83,910	25.0	23.2	25.7	25.9	25.9	24.6	
White.....	91,297	82,876	25.1	23.3	25.9	26.1	26.1	24.9	
Colored.....	1,443	1,034	20.9	16.0	14.4	10.4	8.7	9.9	
Minnesota (total).....	55,909	51,942	23.3	21.9	23.9	23.8	24.4	24.6	
White.....	55,465	51,452	23.3	21.9	23.9	23.8	24.4	24.6	
Colored.....	444	490	24.3	27.0	24.9	21.5	17.9	15.7	
Nebraska (total).....	30,911	(1)	23.7	(1)	(1)	(1)	(1)	(1)	
White.....	30,545	(1)	23.8	(1)	(1)	(1)	(1)	(1)	
Colored.....	366	(1)	21.0	(1)	(1)	(1)	(1)	(1)	
New Hampshire (total).....	9,946	8,778	22.4	19.8	21.9	21.8	22.0	22.9	
White.....	9,938	8,762	22.4	19.8	21.9	21.8	22.0	22.9	
Colored.....	8	16	10.6	21.4	14.9	15.1	13.9	16.9	

<sup>1</sup>Not added to the registration area until a later date.



*Births and birth rates in the birth registration area of the United States—Continued.*

Area.	Number of births.		Rate per 1,000 population.					
	1920	1919	1920	1919	1918	1917	1916	1915
New York (total).....	235,243	226,108	22.5	21.9	23.8	24.5	24.3	24.7
White.....	230,247	221,630	22.5	21.9	23.3	24.6	24.4	24.8
Colored.....	4,996	4,478	23.1	21.3	20.8	19.8	19.8	19.2
North Carolina (total).....	81,407	73,854	31.6	29.1	30.2	30.9	(1)	(1)
White.....	57,054	51,832	31.7	29.3	30.0	30.9	(1)	(1)
Colored.....	24,353	22,022	31.3	28.5	30.6	30.9	(1)	(1)
Ohio (total).....	123,729	113,064	21.3	19.8	22.2	22.0	(1)	(1)
White.....	119,822	109,652	21.3	19.8	22.4	22.2	(1)	(1)
Colored.....	3,907	3,402	20.4	18.5	17.7	15.8	(1)	(1)
Oregon (total).....	14,942	13,540	18.9	17.4	(1)	(1)	(1)	(1)
White.....	14,561	13,215	18.8	17.3	(1)	(1)	(1)	(1)
Colored.....	381	325	27.1	22.5	(1)	(1)	(1)	(1)
Pennsylvania (total).....	220,462	207,685	25.1	24.0	25.7	26.3	26.1	26.5
White.....	213,932	201,060	25.2	24.1	25.9	26.6	26.3	26.7
Colored.....	6,510	6,016	22.3	21.3	19.1	18.8	17.5	17.8
South Carolina (total).....	47,777	44,624	28.2	26.6	(1)	(1)	(1)	(1)
White.....	23,813	22,016	28.8	27.1	(1)	(1)	(1)	(1)
Colored.....	23,964	22,608	27.7	26.2	(1)	(1)	(1)	(1)
Utah (total).....	14,157	13,040	31.2	29.3	33.1	31.7	(1)	(1)
White.....	13,577	12,800	31.1	29.2	33.2	31.8	(1)	(1)
Colored.....	280	240	37.2	32.2	27.6	24.2	(1)	(1)
Vermont (total).....	7,409	7,032	21.0	19.9	21.3	21.4	22.0	22.1
White.....	7,407	7,029	21.1	20.0	21.3	21.4	22.0	22.2
Colored.....	2	3	3.6	4.5	2.6	7.9	7.0	5.4
Virginia (total).....	65,794	60,785	28.3	26.5	27.8	27.1	(1)	(1)
White.....	45,229	41,656	27.8	25.9	27.6	26.9	(1)	(1)
Colored.....	20,565	19,129	29.7	27.7	28.2	27.4	(1)	(1)
Washington (total).....	27,072	25,112	19.8	18.7	19.4	18.0	(1)	(1)
White.....	25,608	23,785	19.2	18.2	19.1	17.7	(1)	(1)
Colored.....	1,464	1,327	39.5	36.2	31.4	31.1	(1)	(1)
Wisconsin (total).....	58,697	54,781	22.2	20.9	23.5	23.1	(1)	(1)
White.....	58,315	54,472	22.2	20.9	23.6	23.2	(1)	(1)
Colored.....	382	309	25.1	20.6	15.3	13.9	(1)	(1)

<sup>1</sup> Not added to the registration area until a later date.**PRINCIPAL CAUSES OF DEATH COMPARED.****DEATH RATES FOR PRINCIPAL CAUSES, SEPTEMBER AND OCTOBER, 1921, IN A GROUP OF INSURED PERSONS.**

The accompanying table is taken from the Statistical Bulletin of the Metropolitan Life Insurance Co. for November, 1921. It presents the mortality data of the industrial department of the company for September and October, 1921, and October and year 1920.

The figures are based on a strength of approximately 13,000,000 insured persons.

The death rate for this group for October was stated to be the lowest for the year up to date, with the single exception of that for July. It is also slightly below that for October, 1920. It was stated that the death rate for tuberculosis (all forms) for October, 1921 (95.3 per 100,000), is not only the lowest rate for the year, but is the lowest for this disease for any month in the history of the industrial department of the company.



*Death rates (annual basis) per 100,000 lives exposed, for principal causes, September and October, 1921, and October and year 1920.*

[Industrial department, Metropolitan Life Insurance Co.]

Cause of death.	Death rate per 100,000 lives exposed.			
	October, 1921.	September, 1921.	October, 1920.	Year 1920.
Total, all causes.....	770.8	791.6	801.1	989.4
Typhoid fever.....	8.4	13.6	10.7	6.7
Measles.....	.3	.5	1.2	8.5
Scarlet fever.....	3.4	3.3	2.7	6.0
Whooping cough.....	1.3	3.6	4.9	6.6
Diphtheria.....	27.4	17.7	22.3	22.1
Influenza.....	3.6	2.9	5.7	53.5
Tuberculosis (all forms).....	95.3	100.5	116.2	137.9
Cancer.....	69.5	72.2	72.5	69.8
Meningitis (all forms).....	4.0	4.7	4.4	5.2
Cerebral hemorrhage.....	52.7	52.2	51.0	61.3
Organic diseases of heart.....	107.8	98.3	95.0	117.0
Pneumonia (all forms).....	39.4	32.7	38.3	106.1
Other respiratory diseases.....	11.8	11.5	12.2	19.2
Diarrhea and enteritis.....	14.7	24.2	22.4	15.8
Bright's disease.....	62.2	63.6	62.2	70.8
Puerperal state.....	14.1	15.9	17.3	23.0
Suicides.....	8.4	7.9	6.9	6.1
Homicides.....	6.6	5.8	6.5	5.8
Other external causes (excluding suicides and homicides).....	49.9	60.5	57.0	60.1
Traumatism by automobile.....	13.8	14.1	14.0	11.1
All other causes.....	190.0	200.2	191.6	188.9

**DEATHS DURING WEEK ENDED DEC. 10, 1921.**

*Summary of information received by telegraph from industrial insurance companies for week ended Dec. 10, 1921, and corresponding week, 1920. (From the Weekly Health Index, Dec. 13, 1921, issued by the Bureau of the Census, Department of Commerce.)*

	Week ended Dec. 10, 1921.	Corresponding week, 1920.
Policies in force.....	47, 857, 387	45, 377, 106
Number of death claims.....	8, 609	8, 298
Death claims per 1,000 policies in force, annual rate.....	9.4	9.5

*Deaths from all causes in certain large cities of the United States during the week ended Dec. 10, 1921, infant mortality, annual death rate, and comparison with corresponding week of preceding years. (From the Weekly Health Index, Dec. 13, 1921, issued by the Bureau of the Census, Department of Commerce.)*

City.	Estimated population July 1, 1921.	Week ended Dec. 10, 1921.		Average annual death rate per 1,000. <sup>2</sup>	Deaths under 1 year.		Infant mortality rate, week ended Dec. 10, 1921. <sup>3</sup>
		Total deaths.	Death rate. <sup>1</sup>		Week ended Dec. 10, 1921.	Previous year or years. <sup>4</sup>	
Akron, Ohio.....	229,195	24	5.5	*8.1	1	*4	10
Albany, N. Y.....	115,071	39	17.7	C 11.9	3	C 1	67
Atlanta, Ga.....	207,473	63	15.8	C 18.0	7	C 12	76
Baltimore, Md.....	750,864	192	13.3	A 16.0	27	A 27	76
Birmingham, Ala.....	186,133	43	12.0	A 18.1	7	A 8	78
Boston, Mass.....	757,634	183	12.9	A 16.8	29	A 34	79
Bridgeport, Conn.....	149,967	25	8.7	A 12.6	4	A 4	79
Buffalo, N. Y.....	519,608	82	8.2	C 11.8	13	C 22	79
Cambridge, Mass.....	110,444	23	10.9	A 13.6	3	A 5	54
Camden, N. J.....	119,672	26	11.3		7		104
Chicago, Ill.....	2,780,855	553	10.4	A 13.1	67	A 95	79
Cincinnati, Ohio.....	409,418	121	15.6	C 14.4	12	C 10	67
Cleveland, Ohio.....	831,138	168	10.5	C 12.2	25	C 29	70
Columbus, Ohio.....	245,358	57	12.1	C 13.7	6	C 6	16
Dallas, Tex.....	165,282	35	11.0	A 11.7	5	A 2	
Dayton, Ohio.....	158,119	40	13.2	C 10.5	1	C 6	
Denver, Colo.....	263,152	79	15.7	A 15.0	6		
Detroit, Mich.....	1,070,450	168	8.2	C 11.6	36	C 44	68
Fall River, Mass.....	120,668	29	12.5	C 17.3	6	C 14	90
Fort Worth, Tex.....	111,423	26	12.2		3		86
Grand Rapids, Mich.....	141,197	41	15.1	C 9.4	5	C 7	
Houston, Tex.....	144,340	41	14.8	C 7.4	8	C 2	39
Indianapolis, Ind.....	325,632	73	11.7	C 12.5	5	C 6	41
Jersey City, N. J.....	302,788	64	11.0	C 12.5	6	C 9	95
Kansas City, Kans.....	103,884	33	19.1	C 16.3	7	C 17	61
Kansas City, Mo.....	336,157	92	14.3	A 17.9	4	A 11	58
Los Angeles, Calif.....	614,160	186	15.8	A 13.4	13	A 9	64
Louisville, Ky.....	236,083	71	15.7	C 13.7	5	C 8	68
Lowell, Mass.....	113,757	33	15.1	A 18.1	4	A 6	
Memphis, Tenn.....	165,656	54	17.0	C 22.7	12	C 20	103
Milwaukee, Wis.....	468,386	98	10.9	A 11.9	19	A 9	71
Minneapolis, Minn.....	382,815	88	11.7	C 10.7	12	C 5	
Nashville, Tenn.....	122,036	31	15.8	C 13.2	4	C 8	
New Bedford, Mass.....	125,012	31	12.9	A 15.2	6	A 9	
New Haven, Conn.....	167,097	43	13.4	C 16.8	7	C 19	63
New Orleans, La.....	394,657	128	16.9	A 21.6	17	A 187	84
New York, N. Y.....	5,751,867	1,201	10.9	C 11.8	161	C 19	35
Newark, N. J.....	424,885	89	10.9	C 11.6	19		89
Norfolk, Va.....	121,260	16	6.9		2		81
Oakland, Calif.....	226,472	51	11.7	A 12.1	7	A 4	68
Omaha, Neb.....	197,036	24	6.4		7		71
Paterson, N. J.....	137,463	26	9.9		4		103
Philadelphia, Pa.....	1,866,212	462	12.9	*18.0	59	*74	50
Pittsburgh, Pa.....	602,452	143	12.4	C 14.0	29	C 26	130
Portland, Oreg.....	261,859	50	9.8	C 9.8	5	C 1	70
Providence, R. I.....	239,645	72	15.7	C 12.3	16	C 7	70
Richmond, Va.....	175,695	48	14.2	C 14.5	11	C 8	151
Rochester, N. Y.....	305,229	62	10.6	C 9.4	9	C 15	101
St. Louis, Mo.....	786,164	203	13.5	C 12.7	16	C 7	15
St. Paul, Minn.....	237,781	55	12.1	C 10.6	10		42
Salt Lake City, Utah.....	121,595	31	13.3	A 15.8	1		22
San Francisco, Calif.....	520,546	131	13.1	C 13.1	12	C 4	60
Seattle, Wash.....	327,227	54	8.6	A 10.8	5	C 9	84
Spokane, Wash.....	104,442	21	10.5	C 13.0	1	C 8	151
Springfield, Mass.....	135,877	27	10.4	C 13.1	4	C 11	91
Syracuse, N. Y.....	177,265	47	13.8	C 12.6	7	C 1	54
Toledo, Ohio.....	253,696	74	15.2	A 14.2	15	A 4	136
Trenton, N. J.....	122,760	32	13.6	A 23.0	6		
Washington, D. C.....	454,026	103	12.2	A 16.4	9		
Wilmington, Del.....	113,408	17	7.8	C 14.1	1		
Worcester, Mass.....	184,972	37	10.4	C 12.9	5		
Yonkers, N. Y.....	103,324	23	11.6	A 14.9	6		

<sup>1</sup> Annual rate per 1,000 population.

<sup>2</sup> "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1920.

<sup>3</sup> Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1920. Cities left blank are not in the registration area for births.

<sup>4</sup> Data 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.

### CURRENT STATE SUMMARIES.

#### Telegraphic Reports for Week Ended Dec. 17, 1921.

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

ALABAMA.		CALIFORNIA—continued.	
	Cases.		Cases.
Chicken pox.....	28	Polio myelitis:	
Diphtheria.....	54	Kings County.....	1
Hook worm disease.....	79	Pasadena.....	1
Influenza.....	7	San Joaquin County.....	1
Malaria.....	187	Santa Clara.....	1
Pellagra.....	3	Scarlet fever.....	97
Pneumonia.....	22	Smallpox:	
Polio myelitis.....	1	San Jose.....	26
Scarlet fever.....	17	Stanislaus County.....	23
Smallpox.....	21	Scattering.....	41
Tuberculosis.....	12	Typhoid fever.....	14
Typhoid fever.....	31		
ARKANSAS.		COLORADO.	
		(Exclusive of Denver.)	
Chicken pox.....	16	Chicken pox.....	20
Diphtheria.....	30	Diphtheria.....	50
Influenza.....	53	Influenza.....	4
Malaria.....	48	Measles.....	1
Measles.....	1	Pneumonia.....	12
Ophthalmia neonatorum.....	1	Scarlet fever.....	30
Pellagra.....	8	Smallpox.....	15
Scarlet fever.....	9	Tuberculosis.....	39
Smallpox.....	4	Typhoid fever.....	9
Trachoma.....	1		
Tuberculosis.....	5	CONNECTICUT.	
Typhoid fever.....	10	Chicken pox.....	73
Whooping cough.....	3	Diphtheria:	
CALIFORNIA.		Bridgeport.....	15
Cerebrospinal meningitis:		New Haven.....	17
Los Angeles County.....	1	Scattering.....	56
Diphtheria.....	220	German measles.....	2
Influenza.....	7	Influenza.....	3
Leprosy:		Lethargic encephalitis.....	1
Riverside.....	1	Measles:	
Lethargic encephalitis:		Chaplin.....	17
Oakland.....	1	Hampton.....	9
Measles.....	8	Mansfield.....	10
		Williamantic.....	11
		Scattering.....	33

## CONNECTICUT—continued.

	Cases.
Mumps.....	11
Ophthalmia neonatorum.....	1
Pneumonia (lobar).....	12
Poliomyelitis.....	1
Scarlet fever:	
Bridgeport.....	9
New Haven.....	12
Wallingford.....	8
Scattering.....	75
Tuberculosis (all forms).....	37
Typhoid fever.....	5
Whooping cough.....	26

## DELAWARE.

Chicken pox.....	4
Diphtheria.....	2
Measles.....	1
Mumps.....	1
Pneumonia.....	2
Scarlet fever:	
Wilmington.....	17
Scattering.....	13
Tetanus.....	1
Tuberculosis.....	4
Typhoid fever.....	1

## FLORIDA.

Cerebrospinal meningitis.....	1
Diphtheria.....	40
Malaria.....	30
Ophthalmia neonatorum.....	3
Pneumonia.....	23
Poliomyelitis.....	1
Scarlet fever.....	5
Smallpox.....	5
Typhoid fever.....	17

## GEORGIA.

Chicken pox.....	22
Diphtheria.....	48
Dysentery (bacillary).....	3
Hookworm disease.....	5
Influenza.....	13
Malaria.....	8
Measles.....	1
Mumps.....	3
Pneumonia.....	19
Scarlet fever.....	20
Septic sore throat.....	3
Smallpox.....	12
Tuberculosis (pulmonary).....	28
Typhoid fever.....	8
Whooping cough.....	2

## ILLINOIS.

Cerebrospinal meningitis:	
Chicago.....	2
Kewanee.....	1
Oncida.....	1
Tuscola.....	1
Diphtheria:	
Aurora.....	8
Blue Island.....	12
Chicago.....	235
Cicero.....	13
Decatur.....	10

## ILLINOIS—continued.

	Cases.
Diphtheria—Continued.	
Lawrence County—Christy Township.....	20
Peoria.....	10
Rockford.....	13
Waukegan.....	10
Scattering.....	194
Influenza.....	22
Lethargic encephalitis:	
Chicago.....	2
Pneumonia.....	243
Poliomyelitis:	
Galesburg.....	1
Rock Falls.....	1
Scarlet fever:	
Chicago.....	123
Vermilion County—Danville Township.....	8
Scattering.....	142
Smallpox:	
Rock Island County—Drury Township.....	32
Scattering.....	30
Typhoid fever.....	13
Whooping cough.....	53

## INDIANA.

Diphtheria.....	142
Scarlet fever.....	120
Smallpox.....	16
Typhoid fever.....	6

## IOWA.

Diphtheria.....	54
Scarlet fever.....	114
Smallpox.....	55

## KANSAS.

Chicken pox.....	95
Diphtheria.....	203
German measles.....	1
Influenza.....	1
Malaria.....	1
Measles.....	8
Mumps.....	12
Pneumonia.....	22
Poliomyelitis.....	1
Scarlet fever.....	203
Septic sore throat.....	2
Smallpox.....	81
Tetanus.....	2
Tuberculosis.....	52
Typhoid fever.....	10
Whooping cough.....	34

## LOUISIANA.

Diphtheria.....	26
Scarlet fever.....	17
Smallpox.....	12
Typhoid fever.....	21

## MAINE.

Cerebrospinal meningitis.....	2
Chicken pox.....	35
Diphtheria.....	24
Measles.....	1
Pneumonia.....	12
Scarlet fever.....	50
Tuberculosis.....	5
Whooping cough.....	16

MARYLAND. <sup>1</sup>	Cases.
Chicken pox.....	81
Diphtheria.....	69
German measles.....	4
Influenza.....	28
Lethargic encephalitis.....	1
Measles.....	120
Mumps.....	37
Pneumonia (all forms).....	62
Polio-myelitis.....	1
Scarlet fever.....	69
Tuberculosis.....	46
Typhoid fever.....	27
Whooping cough.....	24

MASSACHUSETTS.	
Cerebrospinal meningitis.....	4
Chicken pox.....	250
Conjunctivitis (suppurative).....	9
Diphtheria.....	280
German measles.....	7
Influenza.....	5
Measles.....	175
Mumps.....	65
Ophthalmia neonatorum.....	19
Pneumonia (lobar).....	76
Polio-myelitis.....	2
Scarlet fever.....	164
Septic sore throat.....	7
Trachoma.....	1
Tuberculosis (all forms).....	170
Typhoid fever.....	6
Whooping cough.....	65

MINNESOTA.	
Chicken pox.....	63
Diphtheria:	
Minneapolis.....	39
Scattering.....	135
Measles.....	13
Pneumonia.....	7
Polio-myelitis.....	3
Scarlet fever.....	225
Smallpox.....	94
Trachoma.....	2
Tuberculosis.....	84
Typhoid fever.....	16

MISSISSIPPI.	
Diphtheria.....	65
Scarlet fever.....	6
Smallpox.....	21
Typhoid fever.....	4

MISSOURI.	
Cerebrospinal meningitis.....	1
Chicken pox.....	102
Diphtheria.....	261
Epidemic sore throat.....	9
Influenza.....	5
Measles.....	8
Mumps.....	11
Ophthalmia neonatorum.....	1
Polio-myelitis.....	3
Pneumonia.....	6
Scarlet fever.....	127
Smallpox.....	69

MISSOURI—continued.	Cases.
Tetanus.....	1
Trachoma.....	18
Tuberculosis.....	3
Typhoid fever.....	7
Whooping cough.....	6

MONTANA.	
Diphtheria.....	7
Scarlet fever.....	21
Smallpox.....	29
Typhoid fever.....	4

NEBRASKA.	
Cerebrospinal meningitis:	
Omaha.....	1
Scribner.....	1
Chicken pox.....	31
Diphtheria:	
Omaha.....	16
Scattering.....	16
Influenza.....	4
Measles:	
Omaha.....	15
Winslow.....	8
Scattering.....	6
Mumps.....	28
Pneumonia.....	3
Polio-myelitis:	
Dixon County.....	1
Scarlet fever.....	64
Smallpox.....	31
Typhoid fever.....	4

NEW JERSEY.	
Cerebrospinal meningitis.....	1
Chicken pox.....	215
Diphtheria.....	174
Influenza.....	8
Measles.....	105
Pneumonia.....	117
Polio-myelitis.....	3
Scarlet fever.....	213
Smallpox.....	2
Trichinosis.....	2
Typhoid fever.....	14
Whooping cough.....	52

NEW MEXICO.	
Chicken pox.....	11
Diphtheria.....	16
Favus.....	1
Pneumonia.....	1
Scarlet fever.....	6
Smallpox.....	4
Tuberculosis.....	21
Typhoid fever.....	1

NEW YORK.	
(Exclusive of New York City.)	
Cerebrospinal meningitis.....	2
Diphtheria.....	269
Influenza.....	23
Lethargic encephalitis.....	1
Measles.....	94
Pneumonia.....	183
Polio-myelitis.....	2

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

NEW YORK—continued.	
	Cases.
Scarlet fever.....	301
Typhoid fever.....	26
Whooping cough.....	161

NORTH CAROLINA.	
Chicken pox.....	83
Diphtheria.....	91
German measles.....	1
Measles.....	7
Scarlet fever.....	60
Septic sore throat.....	2
Smallpox.....	12
Typhoid fever.....	10
Whooping cough.....	51

OREGON.	
Chicken pox.....	15
Diphtheria:	
Portland.....	34
Scattering.....	21
Measles.....	5
Mumps.....	2
Scarlet fever.....	23
Smallpox.....	21
Tuberculosis.....	8
Typhoid fever.....	3

SOUTH DAKOTA.	
Chicken pox.....	16
Diphtheria.....	6
Measles.....	8
Pneumonia.....	4
Scarlet fever.....	44
Smallpox.....	29
Tuberculosis.....	5
Typhoid fever.....	3

TEXAS.	
Chicken pox.....	33
Diphtheria.....	45
Pneumonia.....	7
Scarlet fever.....	37
Smallpox.....	21
Typhoid fever.....	15

VERMONT.	
Chicken pox.....	77
Diphtheria.....	9
Measles.....	12
Mumps.....	12
Pneumonia.....	1
Scarlet fever.....	46
Septic sore throat.....	4
Smallpox.....	1
Whooping cough.....	23

VIRGINIA.	
	Cases.
Smallpox:	
Prince William County.....	19

WASHINGTON.	
Cerebrospinal meningitis:	
Tacoma.....	1
Chicken pox.....	68
Diphtheria:	
Spokane.....	13
Scattering.....	25
Measles.....	4
Mumps.....	37
Poliomyelitis:	
Pierce County.....	1
Spokane County.....	1
Scarlet fever.....	14
Smallpox:	
Richland.....	10
Spokane.....	11
Yakima.....	10
Scattering.....	37
Tuberculosis.....	20
Typhoid fever.....	13
Whooping cough.....	37

WEST VIRGINIA.	
Diphtheria.....	46
Scarlet fever.....	33
Smallpox.....	7
Typhoid fever.....	4

WISCONSIN.	
Milwaukee:	
Chicken pox.....	77
Diphtheria.....	24
German measles.....	2
Measles.....	4
Pneumonia.....	13
Scarlet fever.....	22
Smallpox.....	2
Tuberculosis.....	18
Typhoid fever.....	1
Whooping cough.....	24
Scattering:	
Cerebrospinal meningitis.....	2
Chicken pox.....	160
Diphtheria.....	124
Influenza.....	14
Measles.....	14
Poliomyelitis.....	2
Scarlet fever.....	176
Smallpox.....	44
Tuberculosis.....	42
Typhoid fever.....	9
Whooping cough.....	51

## Delayed Reports for Week Ended Dec. 10, 1921.

DISTRICT OF COLUMBIA.	
	Cases.
Cerebrospinal meningitis.....	1
Chicken pox.....	25
Diphtheria.....	32
Influenza.....	3
Lethargic encephalitis.....	1
Scarlet fever.....	23
Tuberculosis.....	26
Typhoid fever.....	8
Whooping cough.....	10

KENTUCKY.	
	Cases.
Cerebrospinal meningitis:	
Caldwell County.....	1
Jefferson County.....	1
Chicken pox.....	19
Diphtheria:	
Davies County.....	13
Jefferson County.....	45
Scattering.....	39
Dysentery.....	1

KENTUCKY—continued.	
	Cases.
Influenza.....	10
Measles:	
Jefferson County.....	54
Scattering.....	2
Mumps.....	1
Pneumonia.....	33
Scabies.....	2

KENTUCKY—continued.	
	Cases.
Scarlet fever.....	31
Septic sore throat.....	9
Smallpox.....	9
Tonsillitis.....	3
Tuberculosis.....	7
Typhoid fever.....	17
Whooping cough.....	9

### SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomylitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1921.										
Colorado (October).....	.....	339	1	.....	12	.....	4	143	54	79
Connecticut (November).....	5	379	12	.....	387	.....	5	287	.....	27
Louisiana (November).....	1	105	39	69	4	14	.....	60	24	66
New Jersey (November).....	7	778	48	1	353	.....	10	691	11	62
West Virginia (November).....	1	717	61	.....	20	.....	.....	351	63	117
Wisconsin (November).....	3	743	29	.....	44	.....	15	759	181	81

### PLAGUE (RODENT).

#### Galveston, Tex.

One rat was reported positive for plague at Galveston, Tex., December 17, 1921. The rat was trapped on November 1, 1921.

### TYPHUS FEVER.

#### Boston, Mass.

A case of typhus fever was reported in Boston, Mass., December 20, 1921. When taken ill, the patient had just returned from an extended trip.

#### Mescalero Reservation, N. Mex.

One case of typhus fever was reported on the Mescalero Indian Reservation, N. Mex., December 20, 1921.

### CITY REPORTS FOR WEEK ENDED DEC. 3, 1921.

#### BOTULISM.

City.	Cases.	Deaths.
California:		
San Francisco.....	1	.....

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

## CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 3, 1921.		City.	Median for previous years.	Week ended Dec. 3, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New Jersey:			
Los Angeles.....	0	1	.....	New Brunswick.....	0	1	1
Florida:				New York:			
Tampa.....			1	New York.....	4	5	3
Georgia:				Saratoga Springs.....	0	1	1
Atlanta.....	0		1	Yonkers.....	0	1	1
Illinois:				Ohio:			
Chicago.....	3	2	.....	Cleveland.....	1	2	.....
Rock Island.....	0	1	.....	Salem.....			1
Massachusetts:				Pennsylvania:			
Boston.....	0	2	1	York.....	0	1	.....
Peabody.....	0	1	.....	Virginia:			
Michigan:				Norfolk.....	0	1	1
Detroit.....	1	1	.....	West Virginia:			
Missouri:				Huntington.....	1	.....	1
Kansas City.....	0	1	.....	Wisconsin:			
				Milwaukee.....	1	1	.....

## DENGUE.

City.	Cases.	Deaths.
Texas:		
Galveston.....	9	.....

## DIPHTHERIA.

See p. 3158; also Telegraphic weekly reports from States, p. 3147, and Monthly summaries by States, p. 3151.

## INFLUENZA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Arkansas:			Michigan:		
Little Rock.....	1	.....	Detroit.....	1	.....
California:			Missouri:		
Los Angeles.....	5	.....	Kansas City.....	1	2
San Francisco.....	4	1	New Jersey:		
District of Columbia:			Hackensack.....	1	.....
Washington.....	3	3	Kearny.....	1	.....
Florida:			Newark.....	5	.....
Tampa.....	6	.....	Orange.....	1	.....
Georgia:			Trenton.....	1	.....
Albany.....	5	.....	New York:		
Atlanta.....	2	1	Albany.....	2	.....
Rome.....	2	.....	Cohoes.....	2	.....
Illinois:			New York.....	13	7
Alton.....		1	Niagara Falls.....	1	.....
Chicago.....	20	.....	Ohio:		
Indiana:			Cleveland.....	1	.....
Hammond.....		1	Pennsylvania:		
Kansas:			Philadelphia.....	1	2
Topeka.....	1	.....	Virginia:		
Louisiana:			Roanoke.....	3	.....
New Orleans.....	2	2	Wisconsin:		
Maryland:			Wausau.....	3	.....
Baltimore.....	5	1			
Massachusetts:					
Boston.....	4	1			
Cambridge.....	1	.....			



## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

## LEPROSY.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			New York:		
Los Angeles.....	1	.....	New York.....	1	.....
San Francisco.....	1	.....			

## MALARIA.

Arkansas:			Louisiana:		
Fort Smith.....	1	.....	New Orleans.....	1	.....
California:			Tennessee:		
Alameda.....	1	.....	Memphis.....		1
Florida:					
Tampa.....	9	.....			

## MEASLES.

See p. 3158; also Telegraphic weekly reports from States, p. 3147, and Monthly summaries by States, p. 3151.

## PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			South Carolina:		
Los Angeles.....	1	.....	Charleston.....		2
Illinois:			Texas:		
Chicago.....	1	1	Dallas.....		1
North Carolina:					
Salisbury.....		1			
Winston-Salem.....		1			

## PNEUMONIA (ALL FORMS).

Alabama:			Georgia:		
Birmingham.....		2	Atlanta.....		9
Mobile.....		1	Macon.....		4
Montgomery.....		1	Savannah.....		4
Arizona:			Valdosta.....		1
Tucson.....		1	Illinois:		
Arkansas:			Alton.....	1	.....
Fort Smith.....		2	Aurora.....	3	.....
California:			Bloomington.....		1
Eureka.....	1	.....	Chicago.....	202	38
Long Beach.....		2	Cicero.....	6	.....
Los Angeles.....	32	12	Decatur.....	2	1
Oakland.....	6	5	East St. Louis.....		3
Pasadena.....	1	.....	Elgin.....		1
Riverside.....		1	Evanston.....	1	.....
Sacramento.....	7	6	Galesburg.....		2
San Bernardino.....	1	1	Kewanee.....	4	1
San Diego.....	5	3	Mattoon.....	1	.....
San Francisco.....	16	9	Oak Park.....		2
Santa Barbara.....		2	Quincy.....		1
Stockton.....		5	Rock Island.....		1
Vallejo.....		2	Springfield.....		3
Colorado:			Indiana:		
Denver.....		10	East Chicago.....		1
Pueblo.....		1	Elkhart.....		1
Connecticut:			Fort Wayne.....		4
Bridgeport.....	3	2	Frankfort.....		1
Greenwich.....	2	1	Indianapolis.....		5
Hartford.....		4	Kokomo.....		1
Manchester.....	1	.....	Logansport.....		2
Meriden.....	1	.....	Muncie.....		1
New Haven.....		3	South Bend.....		2
Norwalk.....		1	Iowa:		
Stonington.....		1	Burlington.....		1
Waterbury.....	2	1	Council Bluffs.....		1
Delaware:			Kansas:		
Wilmington.....		3	Coffeyville.....	1	.....
District of Columbia:			Hutchinson.....		1
Washington.....		11	Kansas City.....	5	.....
Florida:			Topeka.....		1
Tampa.....		2	Wichita.....		4

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

## PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Kentucky:			New Jersey—Continued.		
Covington.....	2	1	East Orange.....	1	.....
Lexington.....	.....	5	Hackensack.....	4	..... 1
Louisville.....	8	5	Hoboken.....	.....	1
Louisiana:			Jersey City.....	1	.....
Monroe.....	.....	4	Morristown.....	.....	1
New Orleans.....	.....	9	New Brunswick.....	.....	2
Maine:			Newark.....	39	9
Auburn.....	.....	1	Orange.....	2	1
Bangor.....	1	.....	Passaic.....	2	1
Biddeford.....	1	.....	Plainfield.....	.....	1
Lewiston.....	.....	2	Trenton.....	6	2
Portland.....	1	1	West Hoboken.....	.....	1
Maryland:			West New York.....	.....	1
Baltimore.....	32	18	West Orange.....	.....	1
Cumberland.....	.....	1	New York:		
Massachusetts:			Albany.....	11	.....
Attleboro.....	.....	1	Auburn.....	.....	1
Belmont.....	1	.....	Binghamton.....	3	.....
Beverly.....	.....	1	Buffalo.....	10	6
Boston.....	41	24	Cohoes.....	.....	1
Brockton.....	.....	1	Glens Falls.....	.....	1
Cambridge.....	6	3	Hornell.....	1	.....
Chelsea.....	.....	2	Jamestown.....	.....	2
Danvers.....	1	.....	Lockport.....	1	.....
Easthampton.....	3	.....	Mount Vernon.....	3	.....
Everett.....	.....	1	Newburgh.....	.....	1
Fall River.....	.....	6	New York.....	206	104
Framingham.....	.....	6	Niagara Falls.....	1	.....
Greenfield.....	2	.....	North Tonawanda.....	1	.....
Haverhill.....	6	.....	Olean.....	.....	1
Holyoke.....	.....	3	Peekskill.....	4	.....
Lawrence.....	2	1	Port Chester.....	.....	1
Leominster.....	.....	2	Rochester.....	8	5
Lowell.....	.....	4	Rome.....	2	.....
Lynn.....	6	4	Schenectady.....	1	.....
Malden.....	.....	1	Syracuse.....	7	.....
New Bedford.....	.....	2	Watertown.....	.....	1
Newton.....	.....	1	Watervliet.....	.....	1
North Adams.....	.....	1	White Plains.....	1	.....
Pittsfield.....	.....	1	Yonkers.....	4	1
Quincy.....	2	.....	North Carolina:		
Saugus.....	1	.....	Greensboro.....	.....	1
Somerville.....	4	1	Salisbury.....	.....	2
Springfield.....	.....	1	Wilmington.....	.....	1
Webster.....	1	.....	Ohio:		
Winthrop.....	2	.....	Akron.....	8	.....
Worcester.....	.....	7	Barberton.....	2	1
Michigan:			Chillicothe.....	2	1
Ann Arbor.....	1	.....	Cincinnati.....	.....	13
Battle Creek.....	2	1	Cleveland.....	27	.....
Detroit.....	41	15	Columbus.....	.....	2
Flint.....	3	2	Dayton.....	2	.....
Grand Rapids.....	10	1	Kenmore.....	1	.....
Hamtramck.....	.....	2	Lima.....	.....	1
Jackson.....	3	.....	Mansfield.....	1	.....
Kalamazoo.....	.....	2	Piqua.....	.....	1
Port Huron.....	5	1	Sandusky.....	2	.....
Minnesota:			Springfield.....	.....	1
Duluth.....	1	.....	Toledo.....	.....	6
Minneapolis.....	.....	7	Youngstown.....	.....	4
Rochester.....	.....	1	Oklahoma:		
St. Paul.....	.....	8	Oklahoma City.....	.....	4
Missouri:			Oregon:		
Kansas City.....	10	7	Portland.....	.....	7
Springfield.....	.....	2	Pennsylvania:		
Montana:			Philadelphia.....	89	55
Billings.....	1	.....	Rhode Island:		
Great Falls.....	2	.....	Providence.....	.....	3
Nebraska:			South Carolina:		
Lincoln.....	.....	1	Charleston.....	.....	2
Omaha.....	.....	8	South Dakota:		
New Jersey:			Sioux Falls.....	2	.....
Bayonne.....	1	.....	Tennessee:		
Bloomfield.....	.....	1	Memphis.....	.....	4
Clifton.....	1	.....	Nashville.....	.....	1

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

## PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
<b>Texas:</b>			<b>West Virginia:</b>		
Dallas.....		4	Bluefield.....		1
El Paso.....		5	Charleston.....		1
Galveston.....		1	Huntington.....		3
Houston.....		2	Wheeling.....		2
<b>Utah:</b>			<b>Wisconsin:</b>		
Salt Lake City.....		4	Janesville.....		1
<b>Virginia:</b>			Kenosha.....		2
Norfolk.....		5	Milwaukee.....	21	.....
Portsmouth.....		3	Racine.....		1
Richmond.....		5	<b>Wyoming:</b>		
Roanoke.....		1	Casper.....	2	1
			Cheyenne.....		1

## POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious years.	Week ended Dec. 3, 1921.		City.	Median for pre- vious years.	Week ended Dec. 3, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
<b>California:</b>				<b>Missouri:</b>			
Los Angeles.....	0	1	1	Kansas City.....	0	1	.....
San Francisco.....	0	2		<b>Nebraska:</b>			
Stockton.....	0	1	1	Omaha.....	0		1
<b>Illinois:</b>				<b>New York:</b>			
Chicago.....	0	1	.....	New York.....	2	3	1
<b>Iowa:</b>				Rome.....		1	.....
Sioux City.....	0	1	.....	<b>Ohio:</b>			
<b>Maryland:</b>				Findlay.....		1	1
Baltimore.....	0	1	.....				
Cumberland.....	0		1				
<b>Massachusetts:</b>							
Boston.....	1	1	.....				
Haverhill.....	0	1	.....				
Lawrence.....	0	1	.....				

## RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
<b>Florida:</b>		<b>New Jersey:</b>	
Tampa.....	1	East Orange.....	1
<b>Kentucky:</b>		<b>North Carolina:</b>	
Owensboro.....	1	Winston-Salem.....	1
<b>Massachusetts:</b>			
Everett.....	1		

## SCARLET FEVER.

See p. 3158; also Telegraphic weekly reports from States, p. 3147, and Monthly summaries by States, p. 3151.

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

## SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Dec. 3, 1921.		City.	Median for previous years.	Week ended Dec. 3, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Minnesota:			
Oakland.....	1	2	.....	Minneapolis.....	15	4	.....
Riverside.....	0	1	.....	St. Paul.....	12	19	.....
San Diego.....	0	1	.....	Missouri:			
San Francisco.....	0	5	.....	Independence.....	0	2	.....
Colorado:				Joplin.....	0	1	.....
Denver.....	11	24	11	Kansas City.....	4	38	15
Florida:				St. Joseph.....	1	1	.....
Tampa.....	.....	1	.....	Montana:			
Georgia:				Great Falls.....	0	2	.....
Albany.....	.....	1	.....	Nebraska:			
Atlanta.....	2	7	.....	Omaha.....	3	1	.....
Macon.....	0	1	.....	North Dakota:			
Illinois:				Fargo.....	0	2	.....
Centralia.....	0	1	.....	Ohio:			
Chicago.....	0	1	.....	Cincinnati.....	0	2	.....
Kewanee.....	0	1	.....	Dayton.....	0	2	.....
Peoria.....	0	2	.....	Fremont.....	0	4	.....
Quincy.....	0	1	.....	Kenmore.....	.....	2	.....
Springfield.....	1	1	.....	Springfield.....	0	2	.....
Indiana:				Youngstown.....	0	1	.....
Bloomington.....	0	1	.....	Oklahoma:			
Fort Wayne.....	0	1	.....	Oklahoma City.....	1	5	.....
Gary.....	0	1	.....	Tulsa.....	1	3	.....
Marion.....	0	6	.....	Oregon:			
Iowa:				Portland.....	1	21	.....
Council Bluffs.....	3	1	.....	Texas:			
Des Moines.....	1	5	.....	El Paso.....	0	2	1
Dubuque.....	0	1	.....	Waco.....	0	1	.....
Muscatine.....	0	7	.....	Utah:			
Sioux City.....	2	3	.....	Salt Lake City.....	2	11	.....
Kansas:				West Virginia:			
Hutchinson.....	0	12	.....	Bluefield.....	1	2	.....
Kansas City.....	1	9	.....	Wisconsin:			
Topeka.....	0	1	.....	Manitowoc.....	0	7	.....
Wichita.....	2	2	.....	Milwaukee.....	1	2	.....
Michigan:				Sheboygan.....	16	6	.....
Ann Arbor.....	0	1	.....	Wyoming:			
Detroit.....	5	1	.....	Casper.....	.....	5	.....

## TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			Massachusetts:		
Los Angeles.....	2	1	Springfield.....	1	1
Illinois:			Missouri:		
Chicago.....	2	.....	Kansas City.....	1	.....
Kentucky:			St. Louis.....	2	1
Louisville.....	.....	1	Texas:		
Louisiana:			Houston.....	.....	1
New Orleans.....	.....	1			

## TUBERCULOSIS.

See p. 3158; also Telegraphic weekly reports from States, p. 3147.

## TYPHUS FEVER.

City.	Cases.	Deaths.
California:		
Los Angeles.....	3	.....

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

## TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious years.	Week ended Dec. 3, 1921.		City.	Median for pre- vious years.	Week ended Dec. 3, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				New York:			
Birmingham.....	2	4	.....	Albany.....	2	1	.....
Mobile.....	0	2	.....	Anburn.....	0	1	.....
California:				Buffalo.....	2	2	.....
Los Angeles.....	2	1	.....	Jamestown.....	1	2	.....
Oakland.....	0	2	.....	New York.....	20	16	1
Sacramento.....	1	2	.....	Port Chester.....	0	1	.....
San Francisco.....	1	2	.....	Rochester.....	1	1	.....
Colorado:				Syracuse.....	1	2	.....
Denver.....	0	3	1	Yonkers.....	0	1	.....
District of Columbia:				North Carolina:			
Washington.....	5	4	.....	Greensboro.....	0	.....	1
Georgia:				Wilmington.....	0	1	.....
Savannah.....	0	2	.....	Ohio:			
Illinois:				Alliance.....	0	1	.....
Alton.....	0	1	1	Cincinnati.....	0	1	1
Aurora.....	0	1	.....	Columbus.....	0	1	.....
Bloomington.....	0	1	.....	Fremont.....	0	1	.....
Chicago.....	7	8	.....	Konmore.....	.....	1	.....
Mattoon.....	0	1	.....	Lorain.....	0	1	.....
Indiana:				New Philadelphia.....	0	1	.....
Port Wayne.....	0	.....	1	Sandusky.....	0	1	.....
Indianapolis.....	1	1	1	Springfield.....	0	1	.....
Logansport.....	0	1	1	Toledo.....	2	6	.....
Iowa:				Youngstown.....	0	.....	4
Marshalltown.....	0	1	.....	Oklahoma:			
Mason City.....	0	1	.....	Tulsa.....	2	1	.....
Louisiana:				Oregon:			
New Orleans.....	1	1	1	Portland.....	1	1	.....
Maryland:				Pennsylvania:			
Baltimore.....	7	3	3	Allentown.....	0	1	.....
Massachusetts:				Butler.....	0	2	.....
Boston.....	2	2	.....	Canonsburg.....	.....	1	.....
Fall River.....	0	2	.....	Du Bois.....	0	1	.....
Greenfield.....	0	1	.....	Easton.....	0	1	.....
Holyoke.....	0	1	.....	Farrell.....	0	1	.....
New Bedford.....	1	1	.....	Monessen.....	0	1	.....
Taunton.....	0	2	.....	New Kensington.....	.....	1	.....
Webster.....	0	1	.....	Oil City.....	0	1	.....
Michigan:				Philadelphia.....	7	6	.....
Detroit.....	3	8	.....	Reading.....	0	3	.....
Grand Rapids.....	0	1	.....	Scranton.....	0	1	.....
Kalamazoo.....	0	1	1	Rhode Island:			
Marquette.....	0	2	.....	Pawtucket.....	0	1	.....
Saginaw.....	0	4	.....	Tennessee:			
Minnesota:				Memphis.....	1	1	.....
St. Cloud.....	0	2	.....	Nashville.....	2	3	.....
St. Paul.....	0	2	.....	Texas:			
Missouri:				Dallas.....	0	1	1
Kansas City.....	1	2	.....	Galveston.....	0	.....	1
St. Louis.....	6	5	1	Utah:			
Montana:				Salt Lake City.....	1	1	.....
Billings.....	0	3	1	Virginia:			
Nebraska:				Petersburg.....	0	2	1
Omaha.....	0	.....	1	Portsmouth.....	0	1	.....
New Hampshire:				Richmond.....	1	1	.....
Dover.....	0	1	.....	West Virginia:			
New Jersey:				Bluefield.....	2	1	.....
Bayonne.....	0	1	.....	Charleston.....	2	1	.....
Jersey City.....	0	1	.....	Huntington.....	0	.....	1
Newark.....	1	2	.....	Wisconsin:			
Paterson.....	0	2	.....	Green Bay.....	0	1	.....
Rahway.....	0	2	.....	Manitowoc.....	0	1	.....
New Mexico:				Milwaukee.....	0	1	.....
Albuquerque.....	0	1	1	Oshkosh.....	0	2	1

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,270	62	16				4		7	
Mobile.....	60,151	16	2	2			5			
Montgomery.....	43,464	14	2							
Arizona:										
Tucson.....	20,292	21								9
Arkansas:										
Fort Smith.....	28,811	10	2		1		2			
Hot Springs.....	11,695	3	2				1			
Little Rock.....	64,997		4				2		1	
North Little Rock.....	14,048		2						1	
California:										
Alameda.....	28,806	6					2			2
Eureka.....	12,923	5	1	1			1			
Long Beach.....	55,593	11	8				1			
Los Angeles.....	576,673	170	90	3	4		30	1	43	15
Oakland.....	216,361	47	27	3			5			3
Pasadena.....	45,354	17	14						1	1
Richmond.....	16,843	2	7							
Riverside.....	19,341	6	1				3		2	1
Sacramento.....	65,857	18	12		1				3	2
San Bernardino.....	18,721	9							1	3
San Diego.....	74,683	28	8				7		3	3
San Francisco.....	508,410	144	41	6	3		11		28	2
Santa Ana.....	15,485	5	2							1
Santa Barbara.....	19,441	6								
Santa Cruz.....	10,917	0	2				1			
Stockton.....	40,296	15	9	1			19			
Vallejo.....	21,107	4	3	1						
Colorado:										
Denver.....	256,369		19	1	1		9			15
Pueblo.....	42,908	10	7	2			6			
Connecticut:										
Bridgeport.....	143,538	20	17	1			12		2	
Bristol.....	20,620	1								
Derby.....	11,238	0								
Fairfield.....	11,475	3					2			1
Greenwich.....	22,123		1							1
Hartford.....	138,036	47	13		1		8		3	
Manchester.....	18,370	0	2				1			
Meriden.....	29,842		2							
Milford.....	10,193	1	3						1	
New Haven.....	162,519	28	11				6		6	
New London.....	25,688	6								
Norwalk.....	27,700	15								1
Stonington.....	10,236	1	1							
Waterbury.....	91,410	20	2				5		1	1
Delaware:										
Wilmington.....	110,168	24	3				12			3
District of Columbia:										
Washington.....	437,571	127	46	1	12		26		21	8
Florida:										
Tampa.....	51,252	30	7				1		2	2
Georgia:										
Atlanta.....	200,616	47	16				5	1	6	3
Brunswick.....	14,413	2	3						2	
Macon.....	52,995	16	4		1					2
Rome.....	13,252		4				4			
Savannah.....	83,252	38	5				3		4	3
Valdosta.....	10,783	2							1	
Idaho:										
Boise.....	21,393	2	1				6			
Illinois:										
Alton.....	24,682	8	7	1			1			
Aurora.....	36,397	10	14		2		1			
Bloomington.....	28,725	9	2				1		2	3
Blue Island.....	11,424	5	20							
Centralia.....	12,491	2	1							
Chicago.....	2,701,705	610	226	10	22	1	118	5	235	50
Cicero.....	44,995	9	13				1			
Decatur.....	43,818	8	13				4			
East St. Louis.....	66,740	20	2	1					2	1
Elgin.....	27,454	8	8				1			
Evanston.....	37,215	11			1					

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Illinois—Continued.											
Forest Park.....	10,763	2	3	1			1				
Galesburg.....	23,834	12	12				1			1	
Jacksonville.....	15,713	4					1				
Kewanee.....	16,026	7	3				3		3		
Mattoon.....	13,552	4	6								
Oak Park.....	39,830	11	5				2		1		
Pekin.....	12,086		4				5				
Peoria.....	76,121	14	11				2				
Quincy.....	35,978	10	1				4				
Rock Island.....	35,177	12					1		1	2	
Springfield.....	59,183	16	7	1			5				
Indiana:											
Bloomington.....	11,595	0	2				2				
Crawfordsville.....	10,139	2	1						1	1	
East Chicago.....	35,967	10		1							
Elkhart.....	24,277	4	6				1			1	
Fort Wayne.....	36,549	30	19				2				
Frankfort.....	11,585	4	1	1			3				
Gary.....	55,378		13				3				
Hammond.....	36,004	5	5	1			5				
Huntington.....	14,000	4	2				3				
Indianapolis.....	314,194	82	49	6	4		16		6	11	
Kokomo.....	30,067	6								1	
La Fayette.....	22,486	5	3		2				1		
Logansport.....	21,626	7									
Marion.....	23,747	4	4				9				
Mishawaka.....	15,195	4									
Muncie.....	36,624	9	4				1				
Richmond.....	26,765	3					1				
South Bend.....	70,983	9									
Terre Haute.....	66,083	21	8				3				
Iowa:											
Burlington.....	24,057	7	1				1		1	1	
Council Bluffs.....	36,162	9	5	1			1			1	
Davenport.....	56,727		3				2				
Des Moines.....	126,468		8				14				
Dubuque.....	39,141		3				2				
Mason City.....	20,035	3									
Muscataine.....	16,068	3	1								
Ottumwa.....	23,003						2				
Sioux City.....	71,227			1			3				
Waterloo.....	36,230		1				6				
Kansas:											
Atchison.....	12,630		7				2				
Coffeyville.....	13,452	7	8								
Hutchinson.....	23,298		9				5		2		
Kansas City.....	101,177		13				6		2		
Lawrence.....	12,456	1									
Parsons.....	16,028	6	3				4				
Salina.....	15,085	3	1				3				
Topeka.....	50,022	17	18	1			4		7	1	
Wichita.....	72,128	28	30				26			2	
Kentucky:											
Covington.....	57,121	15	1		5		3		2	1	
Lexington.....	41,534	19	4						23	1	
Louisville.....	231,891	62	34		58		13		9	5	
Owensboro.....	17,424		4				2				
Paducah.....	24,735		3				1		1		
Louisiana:											
Monroe.....	12,675	11								1	
New Orleans.....	387,219	111	9				9		23	14	
Maine:											
Auburn.....	16,985	5					1				
Bangor.....	25,978		3						1		
Bath.....	14,731	4									
Biddeford.....	18,008	6	1								
Lewiston.....	31,791	5	1	1			2		1		
Portland.....	69,272	14	10				3				
Sanford.....	10,691	0									
Waterville.....	13,351		2								
Maryland:											
Baltimore.....	733,826	185	46	3	77		27		24	18	
Cumberland.....	29,837	8	3		1		6				

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>Massachusetts:</b>										
Adams.....	12,967	1			1		3			
Amesbury.....	10,036	0					1		1	
Arlington.....	18,665	5								1
Attleboro.....	19,731	4	2				1			
Belmont.....	10,749	0							1	
Beverly.....	22,561	8	1				1			
Boston.....	748,060	196	74	3	61		36		65	18
Braintree.....	10,580	4	1				1			
Brookline.....	68,138	13	12				3		2	1
Brookline.....	37,748	5	3				1		2	
Cambridge.....	109,694	27	1		1		7		3	
Chelsea.....	43,184	13	1				2		3	
Chicopee.....	36,214	5	4				1			1
Clinton.....	12,979	4								
Danvers.....	17,108		2				2		3	
Dedham.....	10,792	3								
Easthampton.....	11,261		2							
Everett.....	40,120	10	7		1		3	1	2	1
Fall River.....	120,485	31	5						10	6
Framingham.....	17,033	8					1		1	1
Gardner.....	16,971	6					3		1	
Greenfield.....	15,462	2	1		4		2			
Haverhill.....	53,884	8	4		2				2	1
Holyoke.....	60,203	12							3	
Lawrence.....	94,270	23	8	1	14				3	1
Leominster.....	19,744	10								
Lowell.....	112,479	23	3	1			1		4	3
Lynn.....	99,148	16	10	1	1				5	2
Malden.....	49,103	10	8				5		1	
Medford.....	39,038	9			8		1		1	
Melrose.....	18,204	4	2				1			
Methuen.....	15,189	4					4			
Natick.....	10,907						1			
New Bedford.....	121,217	31	16		1		3		8	3
Newburyport.....	15,618	4					1			1
Newton.....	46,054	10	2		1		1		2	
North Adams.....	22,282	5					1			
Northampton.....	21,951	7	2	1			1		2	2
Norwood.....	12,627	3	1						2	
Peabody.....	19,552	5							3	
Pittsfield.....	41,751	20	1				5		2	2
Plymouth.....	13,045	5								
Quincy.....	47,876	3	1		3				1	
Saugus.....	10,874	2								
Somerville.....	93,091	18	3	1	2		4		4	3
Southbridge.....	14,245	4					3			
Springfield.....	129,563	38	8	1			8		4	1
Taunton.....	37,137	15	1					1		1
Wakefield.....	13,025	1	2							
Watertown.....	21,457	1								
Webster.....	13,258	1								
West Springfield.....	13,443	2								
Westfield.....	18,604	3	1							
Weymouth.....	15,057	5								
Winthrop.....	15,455	4								
Woburn.....	16,574	2								
Worcester.....	179,754	44	2				5		4	4
<b>Michigan:</b>										
Ann Arbor.....	19,516	9	10	1			4			1
Battle Creek.....	36,164		13	1						
Benton Harbor.....	12,233	3			2				1	
Detroit.....	993,739	176	133	8	36		41	1	151	19
Flint.....	91,599	16	23	1			15			
Grand Rapids.....	137,634	28	8				7		9	
Hamtramck.....	48,615	8	4	1			1		2	
Holland.....	12,166	0	2				5			
Jackson.....	48,374	18	6	1	1		4			1
Kalamazoo.....	48,858	24	20	1	1		10		2	1
Marquette.....	12,718	6	1						2	
Muskegon.....	36,570	3	4				3			
Pontiac.....	34,273	6	9	1	1		10		1	1
Port Huron.....	25,944	10	2				1			



## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>Michigan—Continued.</b>										
Saginaw	61,903	13	3				2		2	
Sault Ste. Marie	12,096	2					2		2	
<b>Minnesota:</b>										
Austin	10,118	1								
Duluth	98,917	14	3		2		2	1	2	2
Hibbing	15,089	1								
Mankato	12,469						4			
Minneapolis	380,582	80	48	3	11		63	1	15	5
Rochester	13,722	14					2		1	
St. Cloud	15,873						2			
St. Paul	234,595	47	28	2	1		45		11	3
Winona	19,143		1				1			
<b>Missouri:</b>										
Cape Girardeau	10,252	4	2				2			
Independence	11,686	5	3				1			
Joplin	29,855		1				1			
Kansas City	324,410	105	43	4	2		9		5	6
St. Joseph	77,939	28	5				6			1
St. Louis	772,897	175	113	4	1		23	1	30	13
Springfield	39,631	11		1						
<b>Montana:</b>										
Anaconda	11,668									1
Billings	15,100	6								
Great Falls	24,121	6	9							
Missoula	12,668	3								
<b>Nebraska:</b>										
Lincoln	54,934	8	2				3		2	
Omaha	191,601	47	13	1	3		3			
<b>Nevada:</b>										
Reno	12,016	2							1	
<b>New Hampshire:</b>										
Berlin	16,104	6	1	1						
Concord	22,167	11							1	
Dover	13,029	2								
Keene	11,210	3								
Nashua	28,379	9	1				1		2	1
Portsmouth	13,569		1							
<b>New Jersey:</b>										
Asbury Park	12,400	2	1		1					
Atlantic City	50,682	15	1				1		3	
Bayonne	76,754		3				2			
Belleville	15,660		3				2		2	
Bloomfield	22,019	0	1		3		5			
Clifton	28,470	4	4				2			
East Orange	50,710	15					8		2	1
Englewood	11,627	2					2			
Garfield	19,381	0								
Hackensack	17,667	8			1		1			
Harrison	15,721				1				1	
Hoboken	68,166	23	8				1	1		1
Jersey City	297,864		25		15		9		15	
Kearny	26,724	4			2		3		1	
Montclair	28,810	1					1		1	
Morristown	12,548	5					1			
New Brunswick	32,779	12	1	1						
Newark	414,216	90	17		26	1	55		13	8
Orange	33,268	6					2		1	
Passaic	63,824	19	4				4		1	
Paterson	135,866		13		7				2	
Perth Amboy	41,707	6	3						2	
Phillipsburg	16,923	2								
Plainfield	27,700	9	1				3			
Rahway	11,042	1					1			
Summit	10,174	4								
Trenton	119,289	31	11	2			2		1	1
Union	20,651		2							
West Hoboken	40,068	7	2						2	1
West New York	29,926	5							1	
West Orange	15,573	1	1							
<b>New Mexico:</b>										
Albuquerque	15,157	4	1						9	2

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>New York:</b>										
Albany.....	113,344	11	9	7	2	2	1	1	1	1
Auburn.....	36,192	11	4	1	3	1	1	1	1	1
Binghamton.....	66,800	18	2	1	11	2	1	1	1	1
Buffalo.....	506,776	137	28	5	1	23	2	1	9	9
Cohoes.....	22,987	5	.....	.....	4	.....	.....	.....	.....	.....
Geneva.....	14,648	2	.....	.....	.....	.....	.....	.....	.....	.....
Glens Falls.....	16,638	3	.....	.....	.....	.....	.....	.....	.....	.....
Hornell.....	15,025	1	.....	.....	1	.....	.....	.....	.....	.....
Ithaca.....	17,004	3	5	.....	.....	.....	.....	.....	.....	.....
Jamestown.....	34,917	9	4	.....	8	.....	4	.....	.....	.....
Little Falls.....	13,029	5	.....	.....	.....	.....	.....	.....	.....	.....
Lockport.....	21,308	4	1	.....	.....	2	.....	1	.....	.....
Middletown.....	18,420	.....	.....	.....	.....	.....	.....	2	.....	.....
Mount Vernon.....	42,726	11	1	.....	.....	6	.....	1	1	1
Newburgh.....	30,365	9	.....	.....	.....	.....	.....	1	1	1
New York.....	5,621,151	1,153	201	9	173	266	2	1213	178	178
Niagara Falls.....	50,760	10	3	1	3	13	1	2	1	1
North Tonawanda.....	15,482	2	6	.....	.....	.....	.....	.....	.....	.....
Ogdensburg.....	14,609	5	.....	.....	.....	.....	.....	.....	.....	.....
Olean.....	20,506	10	.....	.....	.....	.....	.....	.....	.....	.....
Peekskill.....	15,868	5	.....	.....	.....	1	.....	.....	.....	.....
Port Chester.....	16,573	5	.....	.....	5	5	.....	.....	1	1
Rochester.....	295,750	65	17	2	2	6	.....	.....	3	3
Rome.....	26,341	6	2	1	2	.....	.....	.....	1	1
Saratoga Springs.....	13,181	4	.....	.....	.....	.....	.....	1	.....	.....
Schenectady.....	88,723	13	13	2	.....	14	2	2	1	1
Syracuse.....	171,717	33	53	3	.....	19	6	6	4	4
Watertown.....	31,285	7	.....	.....	1	4	.....	1	.....	.....
Watervliet.....	16,073	5	.....	1	.....	.....	.....	.....	.....	.....
White Plains.....	21,031	4	.....	.....	.....	.....	.....	2	.....	.....
Yonkers.....	100,226	18	7	.....	1	17	.....	.....	3	3
<b>North Carolina:</b>										
Durham.....	21,719	7	2	.....	.....	.....	.....	.....	2	2
Greensboro.....	19,861	10	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mount.....	12,742	1	.....	.....	.....	.....	.....	.....	.....	.....
Salisbury.....	13,884	7	.....	.....	.....	.....	.....	.....	.....	.....
Wilmington.....	33,372	8	.....	.....	.....	4	.....	.....	.....	.....
Winston-Salem.....	48,395	14	1	.....	2	3	.....	3	1	1
<b>North Dakota:</b>										
Fargo.....	21,961	.....	2	.....	.....	4	.....	.....	.....	.....
Grand Forks.....	14,010	.....	2	.....	.....	3	.....	.....	.....	.....
<b>Ohio:</b>										
Akron.....	208,435	25	19	.....	.....	27	.....	7	.....	.....
Alliance.....	21,603	3	.....	.....	.....	.....	.....	.....	.....	.....
Barberton.....	18,811	5	2	.....	.....	1	.....	1	.....	.....
Bucyrus.....	10,425	0	.....	.....	.....	1	.....	.....	.....	.....
Canton.....	87,091	12	12	1	.....	1	.....	.....	.....	.....
Chillicothe.....	15,831	3	5	.....	.....	.....	.....	.....	.....	.....
Cincinnati.....	401,247	130	36	2	6	9	.....	19	10	10
Cleveland.....	786,536	.....	58	.....	6	47	.....	.....	.....	.....
Columbus.....	237,031	36	30	1	.....	12	.....	4	3	3
Dayton.....	152,559	35	12	.....	.....	3	.....	2	.....	.....
Findlay.....	17,021	7	2	.....	.....	.....	.....	1	.....	.....
Fremont.....	12,468	3	1	.....	.....	.....	.....	.....	.....	.....
Hamilton.....	39,675	11	10	.....	.....	2	.....	.....	.....	.....
Kenmore.....	12,683	.....	.....	.....	.....	1	.....	1	.....	.....
Lima.....	41,306	5	11	.....	.....	.....	.....	1	.....	.....
Lorain.....	37,295	3	3	.....	10	5	.....	.....	.....	.....
Mansfield.....	27,824	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marion.....	27,891	.....	16	1	.....	1	.....	1	.....	.....
Middletown.....	23,594	4	3	.....	.....	.....	.....	.....	.....	.....
New Philadelphia.....	10,718	.....	5	.....	.....	.....	.....	.....	.....	.....
Niles.....	13,080	1	1	.....	.....	.....	.....	.....	.....	.....
Norwood.....	24,966	3	.....	.....	.....	2	.....	.....	1	1
Piqua.....	15,044	4	.....	.....	.....	.....	.....	.....	.....	.....
Salem.....	10,305	4	.....	.....	.....	.....	1	.....	.....	.....
Sandusky.....	22,897	9	.....	.....	.....	.....	.....	.....	.....	.....
Springfield.....	60,840	17	21	1	.....	1	.....	1	1	1
Steubenville.....	28,508	7	1	.....	.....	.....	.....	1	.....	.....
Tiffin.....	14,375	1	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> Pulmonary tuberculosis only.

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ohio—Continued.										
Toledo.....	243,109	65	39	1	2		4		4	12
Youngstown.....	132,358	38		1			5			1
Zanesville.....	29,569	7	5	2						
Oklahoma:										
Oklahoma City.....	91,258	21	6				6		1	1
Tulsa.....	72,075		6		1		3			
Oregon:										
Portland.....	258,288	79	25	1	2		1		6	6
Pennsylvania:										
Allentown.....	73,502		8				4			
Altoona.....	60,331		1				1			
Ambridge.....	12,730		2							
Berwick.....	12,181		1							
Bethlehem.....	50,358		2				1			
Braddock.....	20,879		1				3			
Bradford.....	15,525		2				1			
Butler.....	23,778		3							
Canonsburg.....	10,632		2				4			
Carlisle.....	10,916				1					
Carnegie.....	11,516		2							
Chester.....	58,030		1		1		1			
Connellsville.....	13,804		4							
Donora.....	14,131		3				1			
Dubois.....	15,681		2							
Duquesne.....	19,011				4		4			
Easton.....	33,813		4				1			
Eric.....	93,372		12						14	
Farrell.....	15,586		1				1			
Harrisburg.....	75,917		4		8		5			
Hazleton.....	32,277		4		2		2			
Jeannette.....	10,327		1							
Johnstown.....	67,327		2		1					
Lancaster.....	53,150		3				4		1	
Lebanon.....	24,643		6							
McKeesport.....	45,975		2		2					
McKee's Rocks.....	16,713		12				1			
Mahanoy City.....	15,599						4			
Monessen.....	13,179		1				2			
Nanticoke.....	22,614		1							
New Castle.....	44,938		1				4			
New Kensington.....	11,987		1		2		1			
Norristown.....	32,319		4				1			
North Braddock.....	14,928		1				1			
Oil City.....	21,274						3			
Philadelphia.....	1,823,158	470	83	7	6		143	3	76	32
Phoenixville.....	10,484		1				1			
Pittsburgh.....	588,193		18		2		15		9	
Pittston.....	18,497		2		1				1	
Pottstown.....	17,431		1				8			
Pottsville.....	21,876		3		1					
Reading.....	107,784		20		1		4		6	
Scranton.....	137,783		7				2			
Shamokin.....	21,204		1				2			
Sharon.....	21,747		4		9		2			
Shenandoah.....	24,726		2							
Steelton.....	13,428						1			
Sunbury.....	15,721						1			
Uniontown.....	15,692		2				4			
Warren.....	14,256		4							
Washington.....	21,480		4		1		2			
West Chester.....	11,717				1					
Wilkes-Barre.....	73,833		6		2		4			
Wilkesburg.....	24,403		1				1			
Williamsport.....	36,198		1				3			
Woodlawn.....	12,495		1							
York.....	47,512		2		3		2			
Rhode Island:										
Cranston.....	29,407	3	1							
Cumberland.....	10,077		1							
East Providence.....	21,793		2							
Newport.....	30,255	6					8			2

## CITY REPORTS FOR WEEK ENDED DEC. 3, 1921—Continued.

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

City.	Popula- tion Janu- ary 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Rhode Island—Continued.										
Pawtucket.....	64,248	7	6	1			1			
Providence.....	237,595	49	11				4			1
South Carolina:										
Charleston.....	67,957	26	4				7			2
Columbia.....	37,524		2				1			
South Dakota:										
Sioux Falls.....	25,176	3	1				2			
Tennessee:										
Chattanooga.....	57,895		1		1		3			
Knoxville.....	77,818		1						2	2
Memphis.....	162,351	52	17				2		2	2
Nashville.....	118,342	32	12	1	1		1		2	5
Texas:										
Amarillo.....	15,494		5	3			16	1	1	1
Beaumont.....	40,422	9								
Corpus Christi.....	10,522	3								
Dallas.....	158,976	43	8		3		5		8	4
El Paso.....	77,543	42	8				1			6
Galveston.....	44,255	8	8							1
Houston.....	138,076	16	8	1					5	2
Waco.....	38,500	10	1							
Utah:										
Salt Lake City.....	118,110	26	14				21		1	
Vermont:										
Barre.....	10,008						1			
Burlington.....	22,779	4	11	1			1			
Rutland.....	14,954	2	1		1					
Virginia:										
Alexandria.....	18,060	0								
Danville.....	21,539	7	2		8				2	
Lynchburg.....	29,956	4	2							
Norfolk.....	115,777		7				3		4	3
Petersburg.....	31,002	9	2	1			7		1	
Portsmouth.....	54,337	14	4				1		2	2
Richmond.....	171,667	47	24		13		7	1	14	6
Roanoke.....	50,842	7	21				7			1
West Virginia:										
Bluefield.....	15,282	2	4				1			
Charleston.....	39,608	11	5				4			1
Fairmont.....	17,851		2							
Huntington.....	50,177	19	2	1	1		4			3
Morgantown.....	12,127						2			
Moundsville.....	10,669	3	1							
Parkersburg.....	20,050	2	3				1			
Wheeling.....	54,322	14	10		1		11			
Wisconsin:										
Appleton.....	19,561		5				1			
Ashland.....	11,334		1						2	
Beloit.....	21,284	5	7							
Eau Claire.....	20,880		2				4		1	
Fond du Lac.....	23,427	4	3							
Green Bay.....	31,017	4	2		1					
Janesville.....	18,293	3					1			
Kenosha.....	40,472	5	17							
Madison.....	38,378	8	17							
Manitowoc.....	17,563		1							
Marinette.....	13,610		1				3			
Milwaukee.....	457,147		39				14		14	
Oshkosh.....	33,162	13	3	1			2		2	
Racine.....	58,593	11	8	1			17			1
Superior.....	39,624	11	2				10			
Waukesha.....	12,558				1					
Wausau.....	18,661		2		2					
West Allis.....	13,765		2							
Wyoming:										
Casper.....	11,447	4								
Cheyenne.....	13,829	3							2	

## FOREIGN AND INSULAR.

### BERMUDA.

#### Epidemic Measles.<sup>1</sup>

Measles was reported December 3, 1921, to continue in epidemic form in Bermuda. The disease was declared epidemic October 29, 1921.

### CANADA.

#### Communicable Diseases—Ontario—October and November, 1921.<sup>2</sup>

The following table shows the number of reported cases of communicable diseases occurring in the Province of Ontario, Canada, during the months of October and November, 1921, as compared with the number reported for the corresponding months of the year 1920. The number of deaths from these diseases is also shown: Population, estimated, 2,523,200.

Disease.	October, 1921.		October, 1920.		November, 1921.		November, 1920.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cerebrospinal meningitis.....	4	4	6	4	6	5	4	4
Diphtheria.....	685	56	711	45	940	82	666	43
Infantile paralysis.....	21	4	3	1	10	1	6	4
Influenza.....	10	5	13	8	14	14	37	31
Measles.....	16	3	290	3	36	1	303	1
Pneumonia.....						169		116
Scarlet fever.....	354	15	387	3	513	12	413	11
Smallpox.....	16		310	1	76		437	
Tuberculosis.....	176	98	152	130	202	107	145	99
Typhoid fever.....	100	30	148	34	72	21	113	21
Whooping cough.....	129	7	218	23	78	9	177	14

#### Increase in Diphtheria.

In October, 1921, the cases of diphtheria were stated to have been of more than usual virulence in type. In November a marked increase in the number of cases of diphtheria was noted, 940 cases having been notified as compared with 685 cases occurring in the month of October, 1921, and 666 cases in the month of November, 1920. The disease was stated to have been mild in the first attack but to have increased in virulence as it progressed.

<sup>1</sup> Public Health Reports, Dec. 9, 1921, p. 3054.

<sup>2</sup> Public Health Reports, Sept. 9, 1921, p. 2242.

**Venereal Disease Report—November, 1921.**

During the month of November, 1921, 515 cases of venereal diseases were notified in Ontario, viz, chancroid, 2; gonorrhea, 257; syphilis, 256. The report for the corresponding month of 1920 showed 494 cases, viz, chancroid, 16; gonorrhea, 259; syphilis, 219.

**CHILE.****Smallpox—Typhus Fever—Summaries.**

The following statement of prevalence of smallpox and typhus fever in Chile was received under date of October 11, 1921:

*Smallpox.*—For all Chile, from January to September, 1921, 5,500 reported cases, with 2,500 deaths; in Santiago, Chile, from March to September, 1921, 2,546 cases admitted to hospital, with 1,147 deaths.

*Typhus fever.*—January to September, 1921, for all Chile, 3,249 cases, with 735 deaths.

Summaries for previous periods were reported as follows: October, 1918, to December 31, 1919: Cases, 12,068; deaths, 3,560. Year 1920: Cases, 7,939; deaths, 1,587.

**ECUADOR.****Plague—Plague-Infected Rats—Guayaquil.**

Plague has been reported in Guayaquil, Ecuador, as follows: October 16 to 31, 1921, 3 cases, with 2 deaths; rats examined, 1,600; plague rats found, 102. November 1 to 15, 1921: Cases, 6; deaths, 3; rats examined, 1,486; rats found infected, 47.

**JAMAICA.****Infectious Disease (Alastrim or Kaffir Pox).**

During the week ended November 26, 1921, 15 new cases of alastrim or Kaffir pox were reported in the island of Jamaica.

**Typhoid Fever—Kingston and Vicinity.**

During the period under report 2 cases of typhoid fever were reported in Kingston, Jamaica, and 15 cases in the surrounding country.

**MEXICO.****Plague-Infected Rodents—Tampico.**

Two plague-infected rodents were reported found at Tampico, Mexico, during the week ended December 10, 1921, making a total of 314 rodents found plague infected at that place from January 1 to December 10, 1921.

**Plague-Infected Rodents—Vera Cruz.**

During the period November 28 to December 5, 1921, two plague-infected rodents were reported found at Vera Cruz, Mexico.

**Smallpox—Torreon—November, 1921.**

Epidemic smallpox has been reported at Torreon, State of Coahuila, with 50 fatal cases notified during the month of November, 1921.

**Yellow Fever—October 9-29, 1921.**

During the period October 9-29, 1921, 11 cases of yellow fever, with 3 deaths, were reported in the Republic of Mexico. The occurrence was reported in the States of Colima, Sinaloa, and Vera Cruz.

**SPAIN.****Typhus Fever—Sanitary Measures—Cadiz.**

Under date of November 12, 1921, the occurrence of typhus fever was reported in the Province of Cadiz, Spain, with one case in the city of Cadiz. Sanitary measures, including delousing, were stated to have been ordered into effect.

**SWEDEN.****Influenza—Goteborg.**

During the two weeks ended November 26, 1921, 77 cases of influenza were reported in Goteborg, Sweden.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.****Reports Received During Week Ended Dec. 23, 1921.<sup>1</sup>****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Shanghai.....	Oct. 3-9.....	1	.....	
India:				
Calcutta.....	Oct. 23-29.....	3	3	
Philippine Islands:				
Manila.....	Oct. 30-Nov. 5....	1	.....	

**PLAGUE.**

Brazil:				
Bahia.....	Oct. 2-22.....	13	6	To Oct. 22, 1921: Epidemic plague at Pindobassu and Villa Nova reported.
China:				
Amoy.....	Nov. 6-12.....			Present; also rodent plague.

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

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received During Week Ended Dec. 23, 1921—Continued.****PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil.....	Oct. 16-31.....	3	2	Rats taken, 10,053; examined, 1,600; plague-infected, 102.
Do.....	Nov. 1-15.....	6	3	Rats taken, 9,720; examined, 1,496; plagueinfected, 47.
Egypt.....				Jan. 1-Nov. 17, 1921: Cases, 330; deaths, 139.
Cities—				
Alexandria.....	Nov. 7-14.....	3	2	
Suez.....	Nov. 6-15.....	5	2	
India.....				Sept. 18-Oct. 22, 1921: Cases, 6,797; deaths, 5,469.
Bombay.....	Oct. 16-22.....	3	4	
Madras Presidency.....	Oct. 30-Nov. 5.....	151	97	
Java:				
East Java—				
Surabaya.....	Oct. 16-29.....	13	12	
Mexico:				
Tampico.....				Dec. 4-10, 1921: Two plague-infected rodents. Total, Jan. 1-Dec. 10, 1921: 314.
Vera Cruz.....				Nov. 28-Dec. 5, 1921: Two plague rats found.
Peru.....				Oct. 16-31, 1921: Cases, 47; deaths, 27. Nov. 1-15, 1921: Cases, 23; deaths, 8.
Callao.....	Oct. 1-31.....		1	
Lima.....	do.....		6	

**SMALLPOX.**

Canada:				
New Brunswick—				
Charlotte County—				
St. Stephen.....	Dec. 4-10.....	8		Present in surrounding country.
Ontario—				
Toronto.....	do.....	1		
Saskatchewan—				
Saskatoon.....	Nov. 12-Dec. 3....	8		
Chile.....				January-September, 1921: Cases, 5,500; deaths, 2,500.
Santiago.....	March-September.	2,545	1,147	Admitted to hospital.
China:				
Chungking.....	Oct. 16-22.....			Present.
Cuba:				
Santiago.....	Nov. 27-Dec. 3....	10		
Ecuador:				
Guayaquil.....	Oct. 16-31.....	6		
Do.....	Nov. 1-15.....	8		
Haiti:				
Cape Haitien.....	Nov. 12-26.....	16	1	
Port au Prince.....	Nov. 27-Dec. 3....			Present.
India:				
Calcutta.....	Oct. 24-29.....	1	1	
Madras.....	Oct. 30-Nov. 5....	14	4	
Java:				
West Java—				
Bandoeng.....	Oct. 21-27.....	1		
Batavia.....	Oct. 14-27.....	1	4	
Buitenzorg.....	do.....	12		
Krawang.....	Oct. 21-27.....	3		
Lebak.....	Oct. 14-21.....	1		
Meester Cornelis.....	Oct. 14-27.....	2		
Tangerang.....	do.....	12	3	
Mexico:				
Chihuahua.....	Nov. 21-27.....		1	
Mexico City.....	Oct. 23-Nov. 5....	20		Including Federal District.
Torreón.....	Nov. 1-30.....		50	Seriously epidemic.
Panama.....				Nov. 1-Dec. 2, 1921: Cases, 3; 1 nonresident.
Colon.....	Nov. 10.....	1		
Panama.....	Dec. 2.....	1		
Portugal:				
Lisbon.....	Oct. 30-Nov. 12...	2	1	



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

**Reports Received During Week Ended Dec. 23, 1921—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Rumania: Cahul district.....	Sept. 1-Oct. 31.....	23		March-October, 1921: Cases, 17. In Bessarabia.
Chisinau.....				
Sweden: Malmo.....	Oct. 23-29.....	1		
Turkey: Constantinople.....	Nov. 13-19.....	2		

## **TYPHUS FEVER.**

Chile.....				January-September, 1921: Cases, 3,249; deaths, 733. Summaries for previous periods: October, 1918-December 31, 1919: Cases, 12,038; deaths, 3,560. Year 1920: Cases, 7,939; deaths, 1,587.
Mexico: Mexico City.....	Oct. 23-Nov. 5.....	43		
Rumania: Bucharest.....	Aug. 1-31.....	1	1	
Cahul.....				District. March-October, 1921: Cases, 46. Bessarabia.
Chisinau.....	Aug. 1-Oct. 31.....	55		
Galatz.....	Aug. 1-31.....	2		
Spain: Cadiz.....	Nov. 12.....	1		Present in Province.
Turkey: Constantinople.....	Nov. 13-19.....	3		

## **YELLOW FEVER.**

Mexico.....				Oct. 9-29, 1921: Cases, 11; deaths, 3. Locality where 2 deaths occurred not stated.
Colima (State)— Colima.....	Oct. 23-29.....	1		
Sinaloa (State)— Culiacan.....	Oct. 9-15.....	1		
Guamuchil.....	Oct. 16-22.....	1	1	
Vera Cruz (State)— Cordoba.....	Oct. 23-29.....	1		
Nogales.....	do.....	1		
Orizaba.....	do.....	1		
Providencia.....	do.....	2		
Tuxpam.....	Oct. 9-15.....	1		

**Reports Received from July 2 to Dec. 16, 1921.**

## **CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China: Amoy.....	July 3-Sept. 10.....		15	
Hongkong.....	Aug. 22-Sept. 24.....	40	11	
Shanghai.....	Aug. 1-Oct. 8.....	39	13	In non-Chinese population. Aug. 1-Oct. 16, 1921: Cases, 197; Chinese, 149; foreign, 48. Oct. 24-Nov. 6: Cases, 2; deaths, 2; in Chinese.
Swatow.....	Aug. 14-20.....	1	1	
Germany: East Prussia— Königsberg.....	Oct. 10.....	3	1	

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Mar. 6-June 25, 1921: Deaths, 75,281. July 3-30, 1921: Deaths, 46,999. Aug. 14-20, 1921: Deaths, 19,033. Aug. 21-Sept. 3, 1921: Deaths, 29,370. Aug. 31-Sept. 13, 1921: Deaths, 46,051.
Bombay.....	May 1-June 18.....	11	10	
Do.....	June 26-Oct. 15.....	81	52	
Calcutta.....	May 8-June 25.....	597	521	
Do.....	June 26-Oct. 22.....	210	183	
Karachi.....	July 10-Nov. 5.....	156	139	
Madras.....	May 15-June 25.....	3	2	
Do.....	June 26-Nov. 5.....	15	6	
Rangoon.....	Apr. 24-June 25.....	18	17	
Do.....	June 26-Oct. 15.....	23	16	
Indo-China.....				Jan. 1-31, 1921: Cases, 80; deaths, 15. May 29-June 12, 1921: Cases, 251; deaths, 202.
City—				
Cholon.....	June 6-12.....	5	4	
Saigon.....	May 9-June 12.....	65	44	
Do.....	July 4-Sept. 17.....	105	96	
Province—				Disseminated in neighboring Provinces.
Anam.....	Jan. 1-31.....	42	.....	In January, 1920: No cases.
Cambodia.....	.....do.....	8	2	January, 1920: Cases, 27; deaths, 14.
Cochin-China.....	.....do.....	18	9	January, 1920: Cases, 13; deaths, 10.
Tonkin.....	.....do.....	12	4	January, 1920: No cases.
Java:				
East Java—				
Surabaya.....	Sept. 25-Oct. 1.....	2	2	
West Java—				
Lebak.....	Sept. 9-Oct. 27.....	27	14	
Philippine Islands:				
Manila.....	May 22-June 25.....	4	.....	
Do.....	July 3-Oct. 29.....	52	6	
Province—				
Batangas.....	June 12-18.....	2	1	
Do.....	July 3-23.....	7	3	
Cavite.....	July 10-Aug. 6.....	2	1	
Cebu.....	June 26-July 2.....	1	.....	
Leguna.....	June 19-25.....	1	.....	
Do.....	July 3-9.....	1	1	
Mindoro.....	June 12-18.....	1	1	
Pampanga.....	June 5-11.....	1	1	
Tarlac.....	June 19-25.....	1	1	
Union.....	June 26-Aug. 13.....	3	1	
Poland.....				Apr. 24-June 18, 1921: Cases, 5; deaths, 1.
Baranowicze.....	Aug. 18.....	.....	.....	Present.
Bialystok.....	July 25.....	.....	.....	Do.
Pinsk.....	.....do.....	.....	.....	Do.
Russia.....				Jan. 1-Aug. 10, 1921: Cases, 78,011. City of Moscow, cases, 289.
Districts—				
Astrakan.....	Jan. 1-Aug. 10.....	5,132	.....	
Black Sea.....	.....do.....	8,152	.....	
Kazan.....	Jan. 1-July 13.....	8,434	.....	From Jan. 1 to July 13, 1921: 1,718 cases reported in Kuban Territory.
Kharkov.....	.....do.....	257	.....	
Kursk.....	Jan. 1-Aug. 10.....	1,227	.....	
Moscow.....	Jan. 1-July 13.....	296	.....	City, 192 cases.
Orel.....	Jan. 1-Aug. 10.....	1,968	.....	
Rjasan.....	Jan. 1-July 13.....	129	.....	
Samara.....	Jan. 1-Aug. 10.....	5,315	.....	
Saratov.....	.....do.....	7,201	.....	
Simbirsk.....	.....do.....	1,100	.....	
Tambov.....	.....do.....	2,561	.....	
Tzaritsyn.....	.....do.....	3,028	.....	
Ufa.....	.....do.....	5,196	.....	
Voronezh.....	.....do.....	3,621	.....	
Petrograd.....	July 6.....	6	.....	
Republics—				
Bashkir.....	Jan. 1-Aug. 10.....	1,038	.....	
Kirghiz.....	.....do.....	5,687	.....	
Tartar.....	.....do.....	1,178	.....	
Tchuvash.....	.....do.....	233	.....	
Rostov-on-Don.....	June 1.....	747	.....	Present on Orenburg-Tashkent line, and at Cheljabinsk, Perm, Petropavlosk, Ufa, and in Smolensk and Vitebsk districts during period under report.

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Siberia.....	June 1 .....	1,264 .....		Far Eastern Republic.
Territories—				
Azerbeidjan.....	Jan. 1-Aug. 10.....	614 .....		
Don.....	.....do.....	2,006 .....		
Turkestan.....	.....do.....	5,583 .....		
Ukraine.....	.....do.....			Very prevalent; reports incomplete.
Siam:				
Bangkok.....	Apr. 24-June 11....	19 .....	4 .....	
Do.....	June 26-Oct. 1.....	8 .....	2 .....	
Straits Settlements:				
Singapore.....	June 12-18.....	1 .....	1 .....	
Sumatra:				
Medan.....	Sept. 29-Oct. 6....	12 .....	4 .....	Chinese arriving on board s. s. Van Cloon from Chinese ports.
On vessels:				
Steamship van Cloon.....	.....do.....	12 .....	4 .....	At Medan; Sumatra, from Chinese ports. Cases among Chinese.

## **PLAGUE.**

Algeria.....				July 1-31, 1921: Cases, 166; in Aumale district.
Algiers.....	Aug. 1-Oct. 10.....	2 .....	1 .....	Native district about 140 kilometers from Algiers.
Aumale district.....	May 31-July 3.....	71 .....	22 .....	
Douar Megnine.....	May 31-Aug. 24....	185 .....	97 .....	
Oran.....	Sept. 20-Oct. 20....	1 .....	2 .....	
Asia Minor:				
Smyrna.....	June 19-25.....	1 .....		District.
Do.....	July 3-Oct. 22.....	5 .....		Do.
Australia:				
New South Wales—				
Sydney.....	Nov. 30-Dec. 5....	2 .....	1 .....	Sept. 11-Oct. 8: Dead plague-infected rats found on wharves; 1 rat from vessel from Brisbane.
Queensland.....	Sept. 17-Oct. 29....			Sept. 19-Oct. 5, 1921: 17 plague rats found in quarantine area.
Brisbane.....	Aug. 23.....		1 .....	Oct. 26-Nov. 2, 1921: 2 rats found at distance from wharves.
Do.....	Oct. 16-29.....	7 .....	4 .....	Plague rats found, 69. One infected cat found.
Cairns.....	Oct. 16-22.....		3 .....	Employee in produce store.
Kelvin Grove.....	Sept. 20.....		1 .....	36 rats and 1 cat plague infected.
Toowoomba.....	Oct. 16-22.....	1 .....		Total to Oct. 16: Cases, 11; deaths, 6.
Townsville.....	Sept. 21-Oct. 29....	11 .....	7 .....	Office cleaner at Brisbane; 1 plague rat.
Azores:				5 plague rats found.
Fayal Island—				
Horta.....	Sept. 4-10.....	1 .....		
St. Michael Island.....				Oct. 2-22, 1921: Cases, 25; deaths, 13; occurring in vicinity of Ponta Delgada, at Relva, Ribeira Grande, and Santo Antonio.
Capelas.....	Aug. 6-12.....	1 .....	1 .....	
Ribeira Grande.....	Aug. 6-Nov. 12....	62 .....	30 .....	
Brazil:				
Bahia.....	May 15-June 18....	3 .....	3 .....	
Do.....	July 31-Oct. 1.....	4 .....	3 .....	
Maranhao.....	June 28.....	1 .....	1 .....	
Pernambuco.....	Aug. 22-28.....	1 .....	1 .....	
Pindobassu.....				Locality 200 miles west of Bahia; plague reported epidemic during August, 1921, with 60 deaths. Sept. 1-30: Epidemic.
Villa Nova.....	Sept. 11-Oct. 1.....			Epidemic.
British East Africa:				
Kenya Colony—				
Kisumu.....	Apr. 24-May 21....			Present.
Do.....	June 20-Sept. 24....			Present in vicinity.

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
British East Africa—Contd.				
Uganda.....	Mar. 1-June 30....	133	101	Reports of native chiefs show 2,709 deaths during same period.
Do.....	July 1-31.....	41	30	Reports of inspectors, deaths, 230; reports of chiefs, deaths, 1,482.
Cape Verde Islands:				
St. Vincent.....	Aug. 12-18.....	6	3	
Ceylon:				
Colombo.....	May 8-June 11....	2	2	
Do.....	June 26-Oct. 22....	9	10	June 26-Oct. 22: 1921: Plague rats, 12.
Chile:				
Antofagasta.....				Oct. 23-29, 1921: 1 plague rat found.
Iquique.....	Sept. 17.....	1		
China:				
Amoy.....	May 15-June 25....	7	2	
Do.....	July 3-Oct. 15....		42	Sept. 11-Oct. 29: Present; also rodent plague.
Foochow.....	May 15-21.....			Present.
Hongkong.....	Apr. 24-June 25....	81	59	May 1-7, 1921: Plague rats found.
Do.....	June 26-Oct. 1....	41	30	
Manchuria—				
Harbin.....	May 3-22.....	46		
Ecuador:				
Guayaquil.....	May 1-June 15....	10	1	
Do.....	July 16-Sept. 30....	9	4	Plague rats found: Aug. 1-Sept. 30, 1921, 133.
Egypt:				
City—				Jan. 1-Nov. 3, 1921: Cases, 322; deaths, 136.
Alexandria.....	May 21-June 24....	10	3	
Do.....	July 1-Oct. 31....	55	14	
Port Said.....	June 16-27.....	4	2	
Do.....	July 1-Sept. 30....	18	7	
Suez.....	May 20-June 30....	9	5	
Do.....	July 1-Nov. 3.....	13	7	
Province—				
Assiout.....	May 24-June 16....	9	7	
Do.....	July 30.....	1		
Beni-Souef.....	July 10.....	1		
Gharbieh.....	June 2-25.....	7		
Do.....	July 9-Sept. 1....	9		
Girgeh.....	July 6-13.....	5	4	
Minieh.....	May 28-June 10....	2	1	
Do.....	July 13-Aug. 18....	7	3	
Greece:				
Piræus.....	Sept. 23.....	3		
Hawaii:				
Honokaa.....	Nov. 18.....	1	1	Pneumonic. Plague rat found
Kalapa.....	July 15-19.....	1	1	Sept. 8, 1921.
Pauahau.....	May 21.....	1		
India:				
Bombay.....	May 1-June 25....	287	204	May 1-June 25, 1921: Cases, 2,093; deaths, 1,624. June 26-Sept. 3, 1921: Cases, 3,570; deaths, 2,572.
Do.....	June 26-Oct. 15....	92	63	
Calcutta.....	May 8-June 18....	11	11	
Do.....	July 24-Aug. 6....	23	21	
Central Provinces.....	Aug. 14-20.....	27	16	
Karschi.....	May 8-June 25....	18	14	
Do.....	June 26-Oct. 22....	6	6	
Madras.....	Aug. 20-27.....	1	1	
Madras Presidency.....	May 22-June 25....	112	72	
Do.....	June 26-Oct. 29....	1,883	1,221	
Rangoon.....	Apr. 24-June 25....	162	142	
Do.....	June 26-Oct. 22....	568	493	
Indo-China:				
Saigon.....	May 23-June 12....	4	1	Jan. 1-31, 1921: Cases, 57; deaths, 51.
Do.....	July 10-Oct. 1....	23	16	Isolated cases in vicinity of Saigon. Sept. 11-24: Plague rats found, 4.
Italy:				
Catania.....	Oct. 24.....	1		
Naples.....	Sept. 4-Oct. 7....	5		2 were workers in mill; plague-infected rat found on premises.

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

## **Reports Received from July 2 to Dec. 16, 1921—Continued.**

### **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Java.....				Sept. 1-30: Present in the six eastern provinces.
East Java—				
Surabaya.....	July 10-Sept. 24...	16	14	
Madagascar:				
Tananarive.....	June 20-July 24....	49	46	Pneumonic.
Mauritius:				
Port Louis.....	Aug. 24.....			Present.
Mesopotamia:				
Bagdad.....	Apr. 1-May 31.....	32	35	
Do.....	July 1-Sept. 30....	2	2	
Mexico:				
Ciudad Victoria.....	June 7.....	1		In State of Tamaulipas. Case confirmed June 20, 1921.
Progreso.....				Plague rat reported found Sept. 19, 1921.
Tampico.....	June 11-30.....	36		Infected rodents found July 1-Dec. 3, 1921, 201. Total, Jan. 1 to Dec. 3, 1921, 312.
Do.....	July 1-Aug. 21....	21	8	
Morocco:				
Spanish Zone.....				Reported present in epidemic form Sept. 29, 1921.
Peru.....				Mar. 1-Apr. 30, 1921: Cases, 119; deaths, 64. June 1-30, 1921: Cases, 14; deaths, 10. July 1-15, 1921: Cases, 9; deaths, 3. Sept. 1-30, 1921: Cases, 45; deaths, 22. Oct. 3-15, 1921: Cases, 22; deaths, 13; occurring in departments as follows: Ancachs, Arequipa, Cajamarca, Callao-Lima, Lambayeque, Libertad, and Piura.
Department—				
Ancachs.....	Apr. 1-30.....	4	1	At Huarmey.
Arequipa.....	Mar. 1-Apr. 30....	5	3	At Mollendo.
Do.....	July 1-15.....	2		Do.
Cajamarca.....	Sept. 1-30.....			Present. At Bambamarca, Cajamarca, and other localities.
Callao.....	Mar. 1-June 30....	16	1	At Callao.
Do.....	July 1-Sept. 30....	6	6	Do.
Lambayeque.....	Mar. 1-Apr. 30....	3	2	At Chiclayo.
Do.....	Sept. 1-30.....	2		Do.
Libertad.....	Mar. 1-June 15....	31	15	In 5 localities.
Do.....	Sept. 1-30.....	3		At San Pedro.
Lima.....	Mar. 1-June 30....	43	23	At Lima City: Cases, 28; deaths, 18.
Do.....	July 1-Sept. 15....	4	3	At Lima City.
Do.....	Sept. 1-30.....	16	4	At Huacho: Cases, 9; deaths, 1. Lima City: Cases, 2; deaths, 1. Country: Cases, 5; deaths, 2.
Piura.....	Mar. 1-June 15....	31	29	In 4 localities.
Do.....	Sept. 1-15.....	19	15	Deaths occurred at Sechura.
Do.....	Sept. 1-30.....	23	17	At Sechura.
Poland.....				In border province, Aug. 9, 1921: Cases, 8.
Porto Rico.....				Total plague-infected rats found from beginning of outbreak to July 9, 1921, 90.
Caguas.....	Aug. 7-20.....	4	2	Sept. 4-24, 1921: Two plague-infected rats found.
Fajardo.....				Aug. 28-Sept. 3, 1921: One plague-infected rat found.
Manati.....	July 17-23.....	1	1	
Martin Pena.....	July 3-9.....	1		Suburb coextensive with San-turce.
San Juan.....				Plague rat on steamship San Luis, in San Juan Harbor, Sept. 9, 1921.
Portugal:				
Lisbon.....	July 29-Sept. 3....	7		
Portuguese West Africa:				
Angola.....				
Loanda.....	Apr. 24-June 18....	16		
Do.....	July 17-23.....		1	
Rhodes (Island).....	Sept. 20-Oct. 8....	7		1 fatal case reported late in August, 1921.

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

## **Reports Received from July 2 to Dec. 16, 1921—Continued.**

### **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Siberia—				
Vladivostok.....	Apr. 1-June 30.....		252	First case occurred Apr. 10, 1921.
Do.....	July 1-31.....		4	
Senegal:				
Dakar.....	May 1-June 30.....	54	47	
Do.....	July 1-Aug. 31.....	117	93	
Siam:				
Bangkok.....	Apr. 24-June 18.....	7	6	
Do.....	July 24-Oct. 8.....	17	13	
Straits Settlements:				
Singapore.....	May 8-June 18.....	5	5	
Do.....	June 26-Sept. 24.....	6	6	
Syria:				
Alexandretta.....	July 10-Aug. 6.....	18	4	
Beirut.....	May 31-June 30.....	2		
Do.....	July 1-Oct. 8.....	24		
Turkey:				
Constantinople.....	July 10-Oct. 22.....	7	6	
Union of South Africa.....				January-April, 1921: Cases (white), 6; deaths, 4. Cases (native), 13; deaths, 6. Occurring in the Orange Free State.
On vessels.....				Plague rats reported, Sept. 21, 1921, on vessels from Brisbane, Australia, at Sydney and other ports.
Steamship Kishenev.....	May 2.....	1		At Chefoo, China. Plague death en route. Vessel sent to quarantine, Kentucky Island, where to May 6 a total of 16 deaths was reported. (Public Health Reports, July 1, 1921, p. 1534.)
Steamship Oreland.....				At Genoa, Italy, June 12, 1921; from La Plata, Argentina. Two fatal cases plague in crew en route.
Steamship Ralph Moller.....	June 8.....	4	1	At Chefoo, China, from Vladivostok, Siberia. Three fatal cases en route. One case with fatal termination removed at Vladivostok.
Steamship San Luis.....	Sept. 9.....			In harbor, San Juan, Porto Rico, Sept. 9, 1921: 1 plague rat.
Steamship Tenyo Maru.....				En route between Nagasaki and Kobe, Japan, June 28, 1921: 1 fatal case.

### **SMALLPOX.**

Algeria.....				July 1-31, 1921: Cases, 156.
Department—				
Algiers.....	May 1-June 30.....	3		
Do.....	July 1-31.....	153		
Constantine.....	do.....	2		
Oran.....	do.....	1		Sept. 1-10: One case.
Asia Minor:				
Smyrna.....	May 22-28.....	1		On the steamship Nicholas.
Do.....	July 24-Oct. 8.....	2		District.
Australia:				
Victoria—				
Geelong.....	May 5-16.....	2		Mild.
Do.....	July 12-29.....	2		
Melbourne.....	Apr. 9-23.....	4	1	Mild epidemic.
Do.....	July 17-23.....	1	1	Slight epidemic reported.
Bolivia:				
La Paz.....	Apr. 1-30.....	5	4	
Brazil:				
Bahia.....	Sept. 25-Oct. 1.....	2		
Pernambuco.....	Mar. 28-May 22.....	28	4	
Rio de Janeiro.....	May 8-June 18.....	11	2	
Do.....	June 26-Oct. 29.....	135	34	
Sao Paulo.....	May 23-June 26.....	7	2	
Do.....	June 27-Oct. 22.....	16	5	

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
British East Africa:				
Kenya Colony—				
Zanzibar.....	May 8-14.....	12	4	Origin, India.
Do.....	Aug. 1-31.....	14	6	Districts and towns.
Bulgaria:				
Sofia.....	May 15-31.....	6		
Canada:				
Alberta—				
Calgary.....	May 26-June 18.....	3		
British Columbia—				
Vancouver.....	May 28-June 25.....	8		
Do.....	Oct. 30-Nov. 5.....	1		
Manitoba—				
Winnipeg.....	.....do.....	6		
Do.....	June 26-Oct. 29.....	15	1	
New Brunswick—				
Charlotte County.....	July 10-Nov. 26.....	25		
St. Stephen.....	Oct. 23-Dec. 3.....	22		
Madawaska County.....	Aug. 7-Nov. 19.....	9		
Restigouche County.....	June 19-25.....	1		
Westmoreland County.....	June 26-July 2.....	2		
York County.....	Nov. 20-26.....	1		
Nova Scotia—				
Sydney.....	June 5-18.....	2		
Do.....	June 26-July 2.....	4		
Ontario—				
Cornwall.....	Nov. 15-21.....	11		
Fort William and Port Arthur.....	Aug. 7-27.....	2		
Do.....	Oct. 16-22.....	2		
Hamilton.....	June 12-18.....	3		
Do.....	July 3-9.....	1		
Kingston.....	June 5-11.....	1		
London.....	June 5-25.....	2		
Montreal.....	June 12-18.....	1		
Do.....	July 17-Nov. 26.....	7		
North Bay.....	June 12-25.....	3		
Do.....	June 26-Nov. 26.....	6		
Ottawa.....	June 12-25.....	21		
Do.....	June 26-Dec. 3.....	59		
Toronto.....	Aug. 28-Dec. 3.....	5		
Saskatchewan—				
Moose Jaw.....	Sept. 4-Oct. 15.....	3		
Regina.....	Oct. 16-22.....	1		
Saskatoon.....	Sept. 26-Oct. 17.....	12		
Chile:				
Antofagasta.....	May 16-June 19.....	228	106	
Do.....	Sept. 18-24.....	5		
Arica.....	May 31.....	2		
Concepcion.....	Sept. 5-Oct. 15.....	6		
Coronel.....	Oct. 2-15.....	40		
Lota.....	.....do.....			
Mejillones.....	May 30-June 5.....			
Talcahuano.....	Sept. 1-Oct. 15.....	3	1	
Valparaiso.....	June 26-Oct. 21.....		53	
China:				
Amoy.....	May 8-June 4.....		4	June 5-25: Present.
Do.....	June 26-Oct. 8.....		3	Sept. 11-Oct. 29: Present.
Antung.....	May 16-June 26.....	12	2	
Canton.....	Apr. 1-30.....			Present.
Chungking.....	May 1-June 25.....			Do.
Do.....	June 26-Oct. 29.....			Do.
Foochow.....	May 8-June 25.....			Do.
Do.....	June 26-Oct. 29.....			Do.
Hankow.....	May 15-21.....	4	1	
Do.....	July 10-16.....	1		
Hongkong.....	Apr. 24-June 25.....	19	84	
Do.....	July 24-Oct. 15.....	5	1	
Manchuria—				
Dairen.....	May 9-June 26.....	44	5	
Do.....	June 27-Oct. 9.....	9	3	
Harbin.....	May 16-June 13.....	5		
Do.....	June 27-Oct. 23.....	3		
Mukden.....	May 22-June 11.....			Do.
Do.....	July 3-Nov. 12.....			Do.

At 2 localities in vicinity, 2 cases.

Reported present in Chillan and Mulchen.  
Mining town. Epidemic:  
Do.  
Present; also at interior nitrate plants.

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Nanking.....	May 8-June 25.....	.....	.....	Present.
Do.....	June 26-Nov. 5.....	.....	.....	Do.
Shanghai.....	June 20-26.....	1	.....	In International Settlement.
Do.....	July 3-Oct. 30.....	10	1	Oct. 21-30: Cases, 4 (foreign); deaths, 3 (Chinese). Dec. 8: Present.
Tientsin.....	May 8-June 25.....	31	.....	Mission hospital.
Do.....	June 26-Aug. 20.....	9	1	
Tsingtau.....	May 9-June 12.....	4	1	
Do.....	July 23-31.....	1	.....	
Chosen (Korea):				
Chemulpo.....	May 1-June 30.....	11	3	
Fusan.....	do.....	12	3	
Gensan.....	do.....	5	2	
Seoul.....	do.....	3	.....	
Colombia:				
Santa Marta.....	June 5-25.....	.....	.....	Present.
Do.....	June 26-Aug. 27.....	.....	.....	Do.
Cuba.....				Oct. 11-Nov. 10, 1921: Cases, 536.
City—				
Antilla.....	June 5-25.....	7	.....	
Do.....	June 26-Nov. 26.....	75	.....	
Cienfuegos.....	June 26-Sept. 3.....	3	.....	
Matanzas.....	June 12-18.....	1	1	
Do.....	July 3-31.....	4	2	
Nuevitas.....	July 4-Nov. 6.....	17	.....	6 of those reported found in vicinity.
Preston.....	Oct. 2-15.....	4	.....	
Santiago.....	June 1-30.....	23	2	
Do.....	July 1-Oct. 31.....	60	1	
Province—				
Camaguey.....	Nov. 1-10.....	70	.....	
Habana.....	do.....	1	.....	
Oriente.....	do.....	99	.....	
Santa Clara.....	do.....	4	.....	
Dominican Republic.....				In eastern Provinces, Aug. 25, 1921, 2,000 cases, estimated. Cases numerous.
La Ramona.....	Aug. 25.....	.....	.....	On sugar estates in same Province, about 400 cases, Aug. 19-25. Estimated 500 cases in the District of Macoris, 50 of which were within city limits.
San Pedro de Macoris.....	Aug. 19-Nov. 19.....	73	8	Present in surrounding country.
Santo Domingo.....	Sept. 1-Nov. 14.....	92	.....	
Ecuador:				
Eloy Alfaro.....	Aug. 1-15.....	1	.....	
Guayaquil.....	May 1-June 30.....	31	.....	
Do.....	July 1-Oct. 15.....	32	1	
Egypt:				
Cairo.....	Mar. 19-Apr. 29.....	2	1	
Port Said.....	Apr. 2-May 20.....	10	.....	
Finland.....	May 1-15.....	1	.....	
France:				
Brest.....	May 22-June 4.....	18	.....	Variceloid.
Cherbourg.....	Aug. 1-31.....	1	.....	
Paris.....	July 22-31.....	2	1	
Rouen.....	May 1-29.....	2	.....	
Germany.....				Apr. 24-May 28, 1921: Cases, 12. Additional, Apr. 17-May 7, 1921: Cases, 57; deaths, 7.
Great Britain:				
Cardiff.....	Nov. 13-19.....	4	5	
Nottingham.....	May 29-June 4.....	1	.....	
Do.....	July 3-Nov. 5.....	61	.....	Stated Aug. 17 to be epidemic and to have begun about 2 months previous to date; 57 cases reported.
Queensdown.....	July 3-9.....	1	.....	
Southampton.....	June 26-July 2.....	1	.....	
Greece:				
Saloniki.....	June 6-12.....	.....	1	
Haiti:				
Cape Haitien.....	June 19-25.....	24	2	
Do.....	June 26-Oct. 22.....	226	20	
Port au Prince.....	Sept. 11-Nov. 26.....	.....	.....	Present.



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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Mar. 20-May 21, 1921: Deaths, 3,232. June 5-25, 1921: Deaths, 958. July 3-9, 1921: Deaths, 393. July 24-30, 1921, 118 deaths. Aug. 14-20, 1921: Deaths, 56.
Bombay.....	May 1-June 25.....	84	50	
Do.....	June 26-Oct. 8.....	70	47	
Calcutta.....	May 8-June 25.....	8	8	
Do.....	June 26-Oct. 22.....	13	10	
Karachi.....	May 29-June 25.....	25	17	
Do.....	June 26-July 30.....	8	2	
Madras.....	May 8-June 25.....	33	11	
Do.....	June 26-Oct. 29.....	113	55	
Rangoon.....	Apr. 24-June 4.....	20	3	
Do.....	July 10-Aug. 13.....	4	1	
Indo-China.....				Jan. 1-31, 1921: Cases, 102; deaths, 15.
City.....				
Saigon.....	May 9-15.....	2	1	
Do.....	Aug. 21-Sept. 24.....	2	2	
Province.....				
Anam.....	Jan. 1-31.....	35	.....	January, 1920: Cases, 16; deaths, 3.
Cambodia.....	do.....	21	3	January, 1920: Cases, 139; deaths, 54.
Cochin China.....	do.....	19	12	January, 1920: Cases, 8; deaths, 1.
Tonkin.....	do.....	27	.....	January, 1920: Cases, 224; deaths, 43.
Italy:				
Catania.....				Province: June 6-20, 1921: Cases, 5.
Do.....	July 18-Aug. 14.....	.....	.....	In Province: Cases, 7.
Genoa.....	Apr. 1-May 31.....	11	.....	
Do.....	July 4-10.....	2	.....	
Messina.....	May 23-June 26.....	2	1	
Do.....	July 11-17.....	1	.....	
Palermo.....	May 18-June 21.....	7	1	
Milan.....	Apr. 1-30.....	2	.....	
Do.....	June 29-July 19.....	3	.....	
Japan:				
Kobe.....	May 24-June 26.....	3	.....	
Nagasaki.....	May 23-June 26.....	6	1	
Taiwan Island.....	July 1-Nov. 10.....	2	1	
Java:				
East Java—				
Surabaya.....	June 19-25.....	2	.....	
Do.....	July 10-Aug. 20.....	10	1	
West Java—				
Bandoeng.....	May 27-June 3.....	1	.....	
Do.....	July 8-21.....	1	.....	
Batavia.....	May 6-June 23.....	17	15	
Do.....	July 1-Oct. 6.....	110	43	
Buitenzorg.....	Apr. 29-June 23.....	16	.....	
Do.....	July 22-Oct. 13.....	52	12	
Garoet.....	May 6-12.....	1	.....	
Do.....	July 8-Aug. 4.....	4	.....	
Krawang.....	Apr. 29-June 30.....	33	5	
Do.....	July 22-Sept. 22.....	16	1	
Lebak.....	Apr. 29-May 26.....	12	2	
Meester Cornelis.....	Oct. 7-13.....	5	3	
Pandeglang.....	June 3-30.....	2	1	
Do.....	July 8-Oct. 13.....	2	4	
Tangerang.....	Sept. 16-Oct. 13.....	13	1	
Sockaboemi.....	Sept. 9-15.....	1	.....	
Jugoslavia.....				Mar. 14-May 13, 1921: Cases, 334; deaths, 83. June 27-July 10, 1921: Cases, 111; deaths, 27.
Mesopotamia:				
Bagdad.....	Apr. 1-May 31.....	3	1	
Do.....	Aug. 1-31.....	20	4	
Mexico:				
Chihuahua.....	May 23-June 27.....	.....	3	
Do.....	Oct. 3-30.....	5	5	
Guadalajara.....	June 1-30.....	3	.....	
Do.....	July 1-Sept. 30.....	13	3	
Mexico City.....	May 15-June 25.....	246	.....	
Do.....	June 26-Oct. 23.....	270	.....	
San Luis Potosi.....	July 17-Oct. 15.....	.....	3	
Tampico.....	July 11-20.....	1	.....	
Torreón.....	Sept. 1-30.....	2	.....	
Vera Cruz.....	June 13-19.....	.....	1	
Do.....	July 11-Sept. 11.....	.....	3	

Including municipalities in Federal District.  
Do.

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Newfoundland:				
Tilton.....	Aug. 20-26.....	3		
Panama:				
Canal Zone.....	Apr. 1-May 31.....	2		Jan. 1-Sept. 19, 1921: Cases, 208, of which 33 were nonresidents. Sept. 20-Oct. 30, 1921: Cases, 3; 1 from Taboga Island, 2 from interior of Panama.
Colon.....	Jan. 1-May 31.....	111		From the interior.
Do.....	Aug. 30.....	1		Sept. 4-19; 1 from interior.
Panama.....	Feb. 1-June 30.....	54		
Do.....	July 1-Sept. 19.....	4		
Poland:				
District—				Mar. 1-Apr. 30, 1921: Cases, 1,117, deaths, 142. Apr. 24-May 21, 1921: Cases, 677; deaths, 148.
Bialystok.....	Mar. 1-Apr. 30.....	3		May 22-June 18, 1921: Cases, 404; deaths, 74. June 19-July 16, 1921: Cases, 334; deaths, 38; statistics for Brest-Litovsk, Minsk, and Vilna not included.
Cracovia.....	do.....	56	6	
Kielce.....	do.....	180	26	
Leopol.....	do.....	52	16	
Lodz.....	do.....	72	9	
Lublin.....	do.....	397	30	
Posen.....	do.....	26	2	
Silesia.....	do.....	10		In Teschen.
Stanislawow.....	do.....	30	5	
Tarnopol.....	do.....	156	31	
Warsaw.....	do.....	36	4	
Warsaw City.....	do.....	90	13	
Portugal:				
Lisbon.....	May 15-June 25.....		34	
Do.....	June 26-Oct. 29.....	54	7	
Oporto.....	June 19-25.....	1		
Do.....	Sept. 11-Oct. 29.....	3		
Portuguese East Africa:				
Lourenco Marques.....	May 8-28.....	8		
Do.....	July 10-Oct. 8.....	15	4	
Rumania:				
District—				
Hotin.....	Apr. 1-30.....	40	9	
Orhei.....	Mar. 1-31.....	2		
Russia:				
Province—				
Esthonia.....	Apr. 1-June 30.....	11		
Do.....	July 1-Sept. 30.....	55		
Latvia.....	Apr. 1-May 31.....	41		
Do.....	July 1-Aug. 31.....	38		
Siberia—				
Vladivostok.....	June 1-30.....	1		
Serbia.....				Mar. 24-May 21: Cases, 205; deaths, 41.
Belgrade.....	Aug. 7-20.....	2	1	
Senegal:				
Dakar.....	May 1-31.....	1	1	
Spain:				
Barcelona.....	May 12-June 22.....		13	
Do.....	July 7-Oct. 26.....		13	
Huelva.....	July 1-Aug. 31.....		3	
Madrid.....	June 1-30.....	2		
Do.....	Aug. 1-31.....		1	
Malaga.....	May 1-June 30.....		57	
Do.....	July 1-Aug. 31.....		57	
Seville.....	Oct. 19-Nov. 1.....	1	1	
Tarragona.....	May 9-15.....		1	
Valencia.....	May 22-28.....	1		
Do.....	July 2-Aug. 20.....	9	2	
Straits Settlements:				
Singapore.....	June 12-18.....	1		
Do.....	July 10-Oct. 8.....	32	9	
Sweden:				
Goteborg.....	Nov. 6-12.....	1		
Switzerland:				
Basel.....	Sept. 11-Oct. 1.....	5		
Zurich.....	May 28-June 11.....	10		
Do.....	July 3-Sept. 2.....	4		
Syria:				
Aleppo.....	Apr. 9-16.....			Present.
Beirut.....	May 10-30.....	1	1	
Do.....	Aug. 8-14.....	1	1	
Tunis:				
Tunis.....	May 30-June 17.....	2	3	
Do.....	July 2-Nov. 4.....	15	13	

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Turkey:				
Constantinople.....	June 12-25.....	5		
Do.....	June 26-Oct. 29.....	15	1	
Union of South Africa.....				January - April, 1921: Cases (white), 18; deaths, 1. Cases (native), 132; deaths, 5. May 1-31, 1921: Cases, 65; deaths, 3, all natives. June 1-30, 1921: Cases, 64, of which 1 white. July 1-31, 1921: Natives—Cases, 123; deaths, 2. White—1 case. Aug. 28-Sept. 3, outbreaks in Cape Province, Orange Free State, and Transvaal. Aug. 1-31, 1921: Cases, 79; deaths, 1. Sept. 1-30, 1921: Cases, 113; 1 death. White, 16 cases; native, 97 cases, 1 death.
Cape Province.....	Apr. 24-June 25.....			Fresh outbreaks.
Do.....	July 1-Aug. 27.....	118		Aug. 27-Oct. 15: Outbreaks. Sept. 1-30: Cases, 31 deaths, 1. Native.
Natal.....	Apr. 24-June 25.....			Fresh outbreaks.
Do.....	July 1-Aug. 27.....	1		Sept. 4-Oct. 15: Outbreaks.
Durban.....	Aug. 7-27.....	3		Stated to have been imported.
Orange Free State.....	May 29-June 25.....			Outbreaks.
Do.....	Aug. 21-Sept. 17.....			Present. Sept. 1-30: Cases, 46; white, 2; native, 44.
Southern Rhodesia.....	July 14-Oct. 12.....	73	22	
Transvaal.....	May 22-June 18.....			Present.
Do.....	July 1-31.....	11		Aug. 27-Oct. 15: Outbreaks.
Johannesburg.....	do.....	2		Sept. 1-30: Cases, 36; white, 14; native, 22.
Do.....	Sept. 1-10.....	32	11	District. City, Sept. 1-30: Cases, 14.
On vessels:				
Steamship Craster Hall.....				Arrived Mobile, Ala., Oct. 8, 1921, from Buenos Aires, Rio de Janeiro, and Barbados. One case in crew removed at Barbados, Sept. 28, 1921.
Steamship Montoro.....	Aug. 31.....	1		At Batavia, Java, from Singapore, Aug. 27. Vessel proceeded from Batavia to Port Darwin and Townsville.
Steamship Niagara.....	June 1.....	1		At Sydney, Australia, from Vancouver via Fiji and New Zealand.

## **TYPHUS FEVER.**

Algeria.....				July 1-31, 1921: Cases, 528.
Department—				
Algiers.....	May 1-June 30.....	100	25	
Do.....	July 1-Oct. 31.....	147		
Constantine.....	do.....	251		
Military Division.....	do.....	3		
Oran.....	May 22-June 30.....	35	28	
Do.....	July 1-31.....	39		
Oran (City).....	Oct. 11-31.....	2	1	July 1-Sept. 10, 1921: Cases, 15; deaths, 13.
Southern Territory.....	July 1-31.....	89		
Asia Minor:				
Smyrna.....	June 12-18.....	1		In district.
Do.....	Aug. 28-Oct. 29.....	5		Do.
Bolivia:				
La Paz.....	Apr. 1-June 30.....	50	51	
Do.....	July 1-31.....	19	3	
Brazil:				
Bahia.....	June 19-25.....	1	1	
Do.....	Aug. 7-13.....	1	1	
Porto Alegre.....	June 19-25.....		3	
Do.....	Aug. 7-13.....		1	

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received from July 2 to Dec. 16, 1921—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Canary Islands:				
Teneriffe.....	Aug. 14-Sept. 10.....		2	
Chile:				
Concepcion.....	Apr. 12-June 20.....		8	July 25-Aug. 29, 1921: In hospital, 30 cases; in city, estimated, 100 cases.
Do.....	July 12-Oct. 16.....		20	
Coronel.....	Oct. 3-16.....			Present.
Los Angeles.....	July 26-Aug. 8.....			Prevalent.
Talcahuano.....	Sept. 1-Oct. 15.....	2	2	
Valparaiso.....	Mar. 27-May 28.....		4	
Do.....	June 26-Oct. 22.....		6	
China:				
Antung.....	May 30-June 5.....	1		From report of Japanese settlement and Danish Mission among Chinese.
Do.....	June 27-Oct. 23.....	18		
Hankow.....	May 22-June 11.....	3		
Manchuria—				
Harbin.....	May 23-29.....	1		
Do.....	July 4-10.....	1		
Chosen (Korea):				
Chemulpo.....	June 1-30.....	2		
Fusan.....	May 1-31.....	1		
Gensan.....	May 1-June 30.....	4		
Seoul.....	May 1-31.....	4		
Cuba:				
Matanzas.....	Oct. 4-10.....	1		
Czechoslovakia:				
Prague.....	June 5-23.....	5	2	
Egypt:				
Alexandria.....	May 21-June 23.....	21	8	
Do.....	June 24-Oct. 14.....	49	20	
Cairo.....	Mar. 19-June 24.....	235	102	
Do.....	June 24-Sept. 9.....	86	49	
Port Said.....	Apr. 2-May 13.....	8	2	
Finland.....	May 1-15.....	5		
Germany.....				Apr. 24-June 4, 1921: Cases, 7.
Hamburg.....	May 27-June 4.....	1		
Great Britain:				
Dublin.....	May 29-June 4.....	1		
Do.....	Oct. 8-15.....	1		
Greece:				
Saloniki.....	May 23-June 26.....	21	6	
Do.....	June 27-Oct. 16.....	2	2	
Guatemala:				
Guatemala City.....	July 1-Sept. 30.....		2	
Hungary.....				Jan. 1-July 13, 1921: Cases, 71; occurring in 4 counties.
Italy:				
Messina (Province).....	Aug. 29-Sept. 4.....	2		In 2 localities.
Japan:				
Nagasaki.....	May 23-June 5.....	7	2	
Jugoslavia:				Jan. 30-May 14, 1921: Cases, 286; deaths, 40. June 27-July 10, 1921: Cases, 23; deaths, 7.
Belgrade.....	May 1-14.....	6		
Zagreb.....	June 19-25.....	3		
Do.....	July 10-Sept. 3.....	37	4	
Mesopotamia:				
Bagdad.....	May 1-31.....	1	3	
Do.....	Aug. 1-Sept. 30.....	1	3	
Mexico:				
Mexico City.....	May 15-June 25.....	102		Including municipalities in Federal District.
Do.....	June 26-Oct. 22.....	231		
Saltillo.....	Oct. 2-8.....		1	
San Luis Potosi.....	July 31-Nov. 5.....			Present.
Morocco:				
Spanish Zone.....				Reported present in epidemic form Sept. 29, 1921.
Poland.....				Mar. 1-Apr. 30, 1921: Cases, 11,490; deaths, 1,131. Apr. 24-May 21, 1921: Cases, 5,400; deaths, 490. May 22-June 18, 1921: Cases, 3,300; deaths, 299; June 19-July 16, 1921: Cases, 1,500; deaths, 96; statistics for Brest-Litovsk, Minsk, and Vilna not included.
District—				In Teschen.
Bialystok.....	Mar. 1-Apr. 30.....	853	45	
Cracovia.....	do.....	603	90	
Kielce.....	do.....	848	62	
Leopol.....	do.....	2,508	277	
Lodz.....	do.....	521	53	
Lublin.....	do.....	1,446	83	
Posen.....	do.....		77	
Silesia.....	do.....	26		

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

**Reports Received from July 2 to Dec. 16, 1921—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Poland—Continued.				
District—Continued.				
Stanislawow.....	Mar. 1-Apr. 30....	1,557	232	
Tarnopol.....	do.....	1,855	194	
Warsaw.....	do.....	972	61	
Warsaw City.....	do.....	223	29	
Portugal:				
Oporto.....	July 12-Oct. 29....	3		
Rumania:				
District—				
Hotin.....	Apr. 1-30.....	107	10	
Kishinev.....	Apr. 1-June 30....	89		
Do.....	July 1-31.....	11		District.
Orhei.....	Mar. 1-May 30....	146		
Russia:				
Province—				
Esthonia.....	Apr. 1-June 30....	113		
Do.....	July 1-Sept. 30....	79		
Latvia.....	Apr. 1-June 30....	599		
Do.....	July 1-Sept. 30....	160		
Libau.....	Sept. 8-15.....	2		
Siberia—				
Vladivostok.....	Mar. 1-June 30....	5	3	
Do.....	July 1-Aug. 31....	22	3	
Serbia.....				Mar. 24-May 21, 1921: Cases, 70; deaths, 7.
Spain:				
Madrid.....	May 1-June 30....		3	
Do.....	July 1-Sept. 30....		4	
Syria:				
Beirut.....	May 20-June 10....	1	1	
Do.....	Sept. 5-Oct. 8....	1		
Tunis:				
Tunis.....	June 11-17.....		3	
Do.....	July 30-Sept. 9....		2	
Turkey:				
Constantinople.....	May 22-June 18....	11		
Do.....	June 26-Nov. 5....	74	2	
Union of South Africa.....				January-April, 1921: Cases (white), 34; deaths, 2. Cases (native), 3,376; deaths, 437; June 1-30, 1921: Cases, 738; deaths, 66. July 1-31, 1921: Natives—cases, 868; deaths, 121. White—cases, 15; deaths, 2. Orange Free State and Natal: Cases, 25; deaths, 10. Aug. 1-31, 1921: Cases, 850; deaths, 83 (white cases, 17; deaths, 4; and colored cases, 833; deaths, 79). Sept. 1-30, 1921: Cases, 672; white, 8; native, 664, with 71 deaths.
Cape Province.....				Apr. 24-June 25, 1921: Outbreaks, May 1-31, 1921: Cases, 542; deaths, 51. July 1-31, 1921: Cases, 883; deaths, 123. Sept. 1-30, 1921: Cases, 666; deaths, 67; white cases, 8; native cases, 658; deaths, 67.
Cape Town.....	May 13-19.....	10	3	
East London.....	May 22-June 18....	1	1	
Do.....	Aug. 21-27.....	1		
Port Elizabeth.....	Aug. 7-20.....	7		
Natal.....	July 10-Oct. 8....			Outbreaks, Sept. 1-30, 1921: Cases, 5; deaths, 4. Native.
Orange Free State.....				Apr. 24-May 23, 1921: Outbreaks.
Do.....	July 10-Oct. 8....			Outbreaks, Sept. 1-30, 1921: One case (native).
Transvaal—				
Johannesburg.....	Sept. 4-10.....			Outbreaks in surrounding country.
Venezuela:				
Maracaibo.....	June 21-27.....		1	
On vessel:				
Steamship Norden.....	Aug. 18.....	1		At Marcus Hook Quarantine, Pa., from Tampico, Mexico, via Nuevitas, Cuba.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received from July 2 to Dec. 16, 1921—Continued.****YELLOW FEVER.**

Place.	Date.	Cases.	Deaths.	Remarks.
British Honduras:				
Belize.....	Aug. 22-Oct. 1.....	17	6	
Stann Creek.....	Nov. 13.....	1		20 miles from Belize.
Mexico:				
Alamo.....	June 1-30.....	10		State of Vera Cruz.
Do.....	July 19.....	4	1	
Barra de Penn.....	July 17-23.....	1	1	Do.
Casamaloapam.....	do.....	3	1	Do.
Cordoba.....	Oct. 2-8.....	1		Do.
Culiacan.....	do.....	1		State of Sinaloa.
El Dorado.....	Oct. 7.....			Present. Sept. 25-Oct. 1, 1921, deaths, 40. Oct. 2, deaths, 5.
Guadalajara.....	Oct. 1-31.....	1	1	State of Jalisco.
Gutierrez Zamora.....	Oct. 2-8.....	1		State of Vera Cruz. In vicinity of Santa Rosa ranch, 2 cases.
Manzanillo.....				June 1-Sept. 30, 1921: Cases, 19; deaths, 10.
Do.....	Oct. 9-15.....	1		Oct. 7: Present.
Mazatlan.....	do.....			Present.
Playa Obispo.....	Aug. 23.....	1		Territory of Quintana Roo.
Tampico.....	July 11-17.....	3	2	State of Tamaulipas.
Tierra Blanca.....	Sept. 19.....	1		Case arrived at Vera Cruz on steamship Monterey, which sailed from Progreso, Mexico.
Tlacoatlpan.....	Sept. 25.....			Present.
Tuxpam.....	July 25-Oct. 14.....	2	1	State of Vera Cruz. Oct. 15: Several cases present in vicinity.
Vera Cruz.....	June 13-27.....	7		State of Vera Cruz.
Do.....	July 25-Sept. 25.....	6	4	Do.
Zapotlan.....	July 14.....	1	1	Do.
Peru.....				Mar. 1-Apr. 30, 1921: Cases, 172; deaths, 57. June 1-30, 1921: Cases, 25; deaths, 13. July 1-15, 1921: Cases, 2.
Department—				
Callao.....				
Callao.....	Apr. 1-30.....	1		At quarantine station. From Chiclayo.
Lambayeque—				
Chiclayo.....	Mar. 1-June 15.....	47	18	
Chongollape.....	Mar. 1-Apr. 30.....	12	3	
Ferrenafe.....	Mar. 1-31.....		1	
Jayanca.....	Apr. 1-30.....	5	2	
Lambayeque.....	Mar. 1-Apr. 30.....	20	7	
Monsefu.....	Mar. 1-June 15.....	29	9	
Motupe.....	Mar. 1-Apr. 30.....	46	12	
Olmos.....	Apr. 1-30.....	2	4	
Pacora.....	June 1-15.....	1		
Pomaka.....	Mar. 1-31.....	5	1	
Villa Eten.....	Mar. 1-Apr. 30.....	7	1	
Zana.....	Apr. 1-30.....	1		
Libertad—				
Casa Grande.....	June 1-15.....	1		On farm.
Guadalupe.....	Apr. 1-30.....	2		
Monteseo.....	July 16-31.....	1		
Pacanga.....	June 1-30.....	2	2	
Pacasmayo.....	July 1-15.....	1		
Paizan.....	June 1-30.....	13	7	
Do.....	July 1-15.....	1		
Pueblo Nuevo.....	Apr. 1-30.....	1	1	
Trujillo.....	Apr. 1-June 15.....	2	2	Country.
On vessels:				
Barge J. S. McGaughy.....	Oct. 6.....	1		At quarantine station, Pensacola, Fla., from Tampico, Mexico, Sept. 30.
Steamship Lurline.....	Aug. 13-27.....	2	1	At Mazatlan, Mexico, from Manzanillo, Mexico (Public Health Reports, Sept. 16, 1921, p. 2292).
Steamship Monterey.....	Sept. 18.....	1		At Vera Cruz, vessel sailed from Progreso, Mexico, Sept. 15, 1921. Patient went to Tierra Blanca.
Steamship Saramacca.....	Nov. 12.....	1	1	At New Orleans, La., from Belize, British Honduras.
Steamship Washington.....	Aug. 29.....	1		At Mazatlan, Mexico.