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## TUBERCULOSIS.

### ITS PREDISPOSING CAUSES.<sup>1</sup>

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The public is already fairly well instructed concerning the exciting cause of tuberculosis, i. e., the tubercle bacillus. Sputum containing this germ is the chief means of spreading infection, although milk from tuberculous cows is a danger to be reckoned with. The younger the person infected, the greater the danger. Infants infected before they are a year old are very likely to die from tuberculous meningitis. Children under 5 years of age may develop tuberculosis of glands, bones, joints, or lungs. Death may result or they may be crippled for life with hunchback, shortened limbs, or stiff joints. Children playing on floors or pavements soiled with tuberculous sputum may be infected by getting the germs on their hands, or clothing, and into their mouths, or by inhaling them in dust, and also by contact with infected objects (toys, pets, toilet articles, door knobs, etc.). A patient with active disease, therefore, should stay away from children. He should not live in the same house with children if it can be avoided. Adults are in less danger of becoming infected, and when they develop the disease its beginning usually can be traced back to infection during childhood.

### INFECTION PRACTICALLY UNIVERSAL BY THE SIXTEENTH YEAR.

There are constantly over 1,000,000 people in the United States sick with tuberculosis, many of whom are careless or ignorant. Large numbers of these persons are not in hospital. Many people, believing themselves to be healthy and appearing well, are occasional "carriers" of the tubercle bacillus. There are many sources of infection. In spite of all precautions, therefore, most people are slightly infected with tubercle bacilli at an early age.

If a drop of tuberculin is rubbed into the abraded skin of a person who has never been exposed to tuberculosis—a very young child, for instance—no reaction follows. The abrasion quickly heals with-

<sup>1</sup> A revision of the material originally issued as Supplement No. 3 to the Public Health Reports, Feb. 7, 1913.

out redness or swelling. If the drop of tuberculin be rubbed into the skin of a person who is or has been infected with tuberculosis, a reaction follows in a few hours, manifested by a small area of redness, which, however, disappears after a few days and is unattended by any harmful effects. This is the cutaneous tuberculin test of Von Pirquet.

It has been found that thousands of people react to the tuberculin test who have no signs of tuberculosis. About 90 per cent of children between the ages of 12 and 13, and practically all adults, will give positive reactions, but the children of different communities will give slightly different results. The Indians of Taos, N. Mex., an isolated community, were found, during an investigation of disease among the Indians by the United States Public Health Service, to be almost free from tuberculosis, and only 3 of the 64 school children tested there showed positive reactions. Of 1,145 Indian school children tested elsewhere, however, 779 reacted positively. A community free from almost universal infection is rare. The examination of large numbers of bodies dead from other causes than tuberculosis in various parts of the world has shown, at the hands of numerous investigators, that a small area of healed or latent tuberculosis can almost always be found in the adult.

#### TUBERCLE BACILLI HARMLESS UNDER CERTAIN CONDITIONS.

Most people who react to the tuberculin test are not only apparently healthy, but never break down from tuberculosis, although they have received living tubercle bacilli into their bodies, perhaps many times. Practically all adults are infected to some degree with tubercle bacilli, and though many develop tuberculosis, especially during their years of greatest stress, the majority successfully resist it. It will at once occur to the reader that infection is perhaps a matter of dosage, that a large number of virulent bacilli inhaled or ingested may cause tuberculosis in an individual, whereas a small dose will be rendered harmless by a high degree of resistance from a virile body. This is undoubtedly true. There is even a certain measure of protection derived from a small dose of tubercle bacilli well resisted.

These latent germs of infection, the potential factors of tuberculosis, in themselves probably give a certain degree of immunity against the effects of larger doses which one may later unfortunately experience. The individual is, in a certain degree, vaccinated against tuberculosis. Too much comfort must not be derived from this, however, because in young children infection of any degree is likely to become generalized and rapidly fatal, and large dosage and repeated exposures may cause even an adult to succumb. Hence no sanitary precaution should be neglected at any age to reduce the

frequency and extent of exposure to tubercle bacilli. It must be remembered also that these bacilli of latent infection are living bacilli, capable of remaining virulent in the living body for many years, and that the apparently healthy host may lose his immunity to them in several ways, many of which are not well understood. The most common ways of losing immunity, and the ones most easily prevented, are those now to be discussed—the predisposing causes of tuberculosis.

#### WEAKENED RESISTANCE OR PREDISPOSITION.

In very early times it was observed that tuberculosis is more likely to occur at certain ages and under certain conditions of life. Hippocrates, the father of medicine, noted that it was most frequent between the ages of 18 and 35, a period which calls for the greatest physical and mental efforts. Doctor Bonney mentions "the old English idea that consumption was the cause of death of nearly all hard zealots in the field of letters, law, love, medicine, and religion." It is common knowledge now among physicians that any cause which weakens the individual, lessens his resistance and predisposes to tuberculosis. A powerful physique is not a complete safeguard. Athletes, although their muscles are firm, frequently develop tuberculosis when exhausted by chronic fatigue, overexertion, overtraining, or by amusements or excesses which weaken the resistance to disease. Baldwin states: "Adults of good physique, in functional and organic health, possess a nearly perfect protection against natural infection by tubercle bacilli," but adds, "Any weak moment \* \* \* may play the part of a predisposition." To maintain normal vigor and functional health requires the observance of a multitude of details and a consideration of the chief causes of lowered vitality.

#### LACK OF PROPER FOOD.

The well fed resist tuberculosis well; the underfed yield readily. Clinical observations have abundantly proved this fact in both man and animals. Actual want is by no means the commonest cause of poor nourishment, although it must be reckoned with, especially in our great cities, such as New York, where it is said many hundred school children go breakfastless to school. In the average American household too little time is given to the study of children's diet during the first decade of life; and even when food is properly prepared for them it must not be forgotten that it often takes time and patience to induce a playful and capricious child to eat the proper things in sufficient quantities. Every attack of indigestion, every missed or partially consumed meal has its adverse effect on nutrition at any age of life. Many people are underfed who consider themselves well fed.

The rich business man who hastily consumes a scanty breakfast of toast and coffee and works hard all day in an office with only a hasty lunch at noon can not consider himself well fed even though he consumes a full meal in the evening. His child who refuses at table wholesome articles of food, such as bread and butter, vegetables, and meat, can not maintain a satisfactory degree of nourishment. Candy and cookies taken between meals, and frequently accountable for the lack of appetite at table, can not possibly be considered a satisfactory substitute for proper food.

A lack of knowledge of food values is very common, especially in cities where delicatessen products made to tempt the eye and palate too often in the busy urban life take precedence over wholesome soups, roasts, and stews from the home kitchen. It should not be forgotten that the fatty articles of food, including butter, fat meats, cream, and olive oil, are especially valuable in building up resistance to tuberculosis; but the diet must be suited to the age of the individual. Bread and butter, meat, and abundant vegetables must not be slighted simply because milk and eggs are so commonly mentioned as ideal foods.

#### EXHAUSTION.

Next to lack of food, great fatigue is the greatest predisposing factor in tuberculosis. Exhaustion may be produced by long hours of heavy work and also by lack of sleep, by worry, long hours of study, and any excessive or prolonged exertion, either work or play. Dancing at the end of a day's work and indulged in until late hours may have serious effects upon general health. Even outdoor sports, which are certainly to be encouraged, may defeat their chief end if indulged in immoderately or to the exclusion of proper resting periods. Child labor, either in factory or at home, excessively long working hours, occupations which can not be interrupted for Sunday rest, or which tempt, or drive, to excessive effort or "speeding up," all tend to weaken resistance and predispose to tuberculosis. Night schools, overtime, excessive amusements, overindulgence, and asceticism are all important predisposing causes.

#### BAD AIR.

The air of poorly ventilated rooms is bad. Not only in factory and workshop and in overheated, poorly ventilated places of amusement, but in his own home, the ordinary individual frequently lacks good air. When air is breathed and rebreathed it becomes laden with poisonous matters. A person fresh from the pure outdoor air will feel oppressed upon entering such an atmosphere, and will notice a bad odor in the room. When he goes forth he will carry the taint of such a place in his garments. One who lives long in vitiated air grows pale, loses appetite, takes cold easily, and becomes tired upon

slight exertion. If several people occupy the room, or if gas or oil is burned in it, the contained air rapidly becomes highly polluted unless it is frequently renewed. The effect of bad air and lack of sunshine on infected rabbits has been studied by Doctor Trudeau, who found that animals confined in a cellar died of tuberculosis, while similarly infected ones recovered in the open air. Remembering that some babies, many children, and most adults are infected with tubercle bacilli, and knowing the fatal effects of close confinement, the need of good ventilation becomes imperative.

Air flows very much as water does, and to renew itself in a room it should have an inlet and an outlet. A bucket of dirty water half immersed in a flowing crystal stream remains dirty. A small trickle of clear water will not cleanse a pond constantly receiving pollution from another source. A room must be well flushed with flowing air to sweep out pollution, and the flow should be constant both in summer and winter. Ventilation at night is most important, the fear of night air being without any foundation. With sufficient bed clothes, there can be no excuse for leaving even partially closed a single window in the room.

#### OCCUPATION.

Marble and stone cutters, dry grinders, dry drillers, and other workers who inhale "hard" dust are especially subject to tuberculosis. "Soft" dust from coal, limestone, wood, cotton, or wool is not very injurious. Many occupations in which the mortality from tuberculosis is high are not in themselves conducive to tuberculosis, but are occupations in which employees are underpaid or overworked, or which are sought by the physically unfit, the improvident, or persons ignorant or careless of the measures necessary to keep healthy. Outside of certain dusty occupations, the lowest tuberculosis mortality is found among the callings which are characterized by comfortable living and moderate exertions.

#### RACE.

Races differ very much in their resistance to tuberculosis. The colored population of the United States has a death rate from tuberculosis approximately three times as great as that of the white. The American Indian, likewise, is extremely susceptible to both pulmonary and other forms of tuberculosis. The disease often runs an extremely rapid course to a fatal termination. The Jew, on the other hand, among whose race tuberculosis has been present for many centuries, resists the disease well, and though frequently of frail physique often makes a recovery under adverse conditions. The Irish, on the other hand, do not resist tuberculosis well, while the Italians do.

## CLIMATE.

While it was formerly believed that residence in certain climates gave an immunity to tuberculosis, this idea has now been exploded. The one-time freedom from the disease of the inhabitants of the Hebrides was early noted, and explanation was offered that the smoke of the particular kind of peat burned there on open hearths had antiseptic properties. To the lime-kiln region of England was ascribed special virtues on account of the prevailing gases found in the atmosphere. Iceland, before it became infected, was thought to possess certain qualities due to its snow and cold; the arid Southwest and other desert regions, because of dryness and sunshine; mountainous districts because of altitude; and sea air because of iodine and other salts suspended in the atmosphere. Usually an "immune zone" is merely uninfected territory. Tuberculosis is known to be extensively prevalent among the watchmakers of the Alps, a region which was, and still is, popular for the treatment of tuberculosis. The American Indians of the arid Southwest are in danger of extermination through the ravages of tuberculosis, which is unduly prevalent among them; and this in a country in which they have always lived and to which tuberculous tourists in large numbers commonly resort for treatment. It may be confidently asserted, therefore, that there is no climate possessing peculiar virtues which will prevent the development of tuberculosis.

## AGE.

No age is immune against tuberculosis. Young infants succumb rapidly to it, and, contrary to the common belief, persons over 50 years of age are by no means exempt, and deaths occur from tuberculosis in a considerable percentage of fatalities occurring in old age.

About 10 per cent of all deaths among children under 15 years of age are due to various forms of tuberculosis. About one-third of all deaths between 20 and 40 are due to tuberculosis, chiefly the pulmonary variety. This period is the age of greatest stress, the time of supreme endeavor. Between 20 and 40 ardent desires, intense ambitions, passions, both good and evil, drive the human machine relentlessly. Pride, instinct, and vanity, the desire to excel, to marry well, to be admired, all conspire to stimulate activity. The ambition to make money, obtain place, and secure power leads to self-denial and to immoderate exertions, to depletion and fatigue. Whether a man's capital is brain or brawn, whether he has mental force or physical strength to invest, the mid period of life finds him spending, spending lavishly, of the best he has. Whether he succeeds or fails, his expenditures are limited only by his physical resources. With women no less than with men is this a critical period, and it will not be strange if, owing to more active participation in

life's struggle, the difference in the mortality rate from tuberculosis, which is now in favor of the female, should shortly disappear. At this age, too, the fullest opportunity is found for indulgence of every passion prejudicial to general good health, and the most abundant temptations appear to exhaust physical resources. Alcoholism and venery now take their greatest toll of life's chiefest possession. Be he, then, virtuous or vicious, filled with consuming ambition or merely the prey of evil passions, between 20 and 40 man finds himself more frequently than at any other time in a condition of anergy to resist tuberculous infection and succumbs to it more frequently than to any other disease.

#### OTHER DISEASES.

It has long been known that measles and whooping cough in children are especially likely to be followed by tuberculosis of the lungs, and every effort should be made to protect a child from these diseases. The later in childhood that these diseases occur the better. Mouth breathing should be corrected and adenoids should be removed. Scarlet fever, influenza, colds, and all diseases which lower resistance, impair nourishment, and increase the stress of life at any age must be reckoned with as important factors in tuberculosis. The importance of typhoid fever is shown in the fact that the general death rate among survivors is more than twice that among persons who have never had typhoid. Of those who recover from typhoid but die from other causes within three years, 39 per cent succumb to tuberculosis. Uncinariasis (hookworm), chronic malaria, and dysentery have pernicious effects on general health, which may become manifest in the same way.

#### ALCOHOL AND TOBACCO.

There was a time when whisky was considered good for the tuberculous patient, and there have been some who believed in the anti-septic powers of smoke. It is now known that neither of these agents has any place in the prophylaxis or treatment of this disease. The inhaled smoke of cigarettes is especially harmful to the delicate air passages, as well as weakening in its effects on the system. Alcohol in immoderate quantities impairs digestion, encourages irregular habits, and seems especially to predispose the subject to pulmonary disease.

#### SUMMARY.

At an early age practically all people have become slightly infected with living tubercle bacilli. This fact need not cause alarm, because it probably gives a slight degree of protection against a subsequent

infection. Safety, however, depends on the maintenance of a high degree of body resistance to prevent these latent bacilli from producing active tuberculosis. This is not to be accomplished by becoming an athlete, but by the daily observance of general hygienic principles throughout life. Keep the body well nourished, avoid great fatigue, work and sleep in well-ventilated rooms, in freely flowing air, and spend as much time as possible outdoors; but carefully reserve hours for adequate rest, as well as for recreation, practice deep breathing and proper carriage, avoid other diseases as far as possible, and be temperate in all things.

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### **INTERNATIONAL COOPERATIVE WORK OF THE HEALTH SECTION OF THE LEAGUE OF NATIONS.**

The first meeting of the second experimental interchange of public health personnel arranged by the Health Section of the League of Nations took place in London, February 26, 1923. The purpose of these meetings is the interchange of ideas in health work that will result from the association of experts of the different nations in what may be likened to a post graduate school of instruction in the principles of health and sanitation. After a six weeks' course in England, the representatives go to the Continent to continue the work for a similar period in Poland and possibly other European countries. Asst. Surg. Gen. A. M. Stimson represents the United States Public Health Service.

Twenty-six doctors, representing the Governments of the United States, Japan, and 14 European countries, were received at the Ministry of Health by Lord Onslow, who stated that the visitors were taking part in a promising development of an original scheme of international health organization being made possible by the generosity and wide outlook of the Rockefeller Foundation, which made a contribution to the League of Nations of £12,000 a year for three years.

Lord Onslow stated that at the end of the week the visitors would be taken in charge by the medical officers of health of Birmingham, Liverpool, Manchester, Newcastle, Bradford, and Glasgow. They were to be given an opportunity of seeing some representative sanitary work in London, a demonstration of field sanitation at the Royal Army Medical College, and of visiting the city and port of London. They were also to be informed of the medical duties of the Ministry of Health and shown the system of national statistics employed by the Registrar General.

Sir Arthur Griffith-Boscawen, who, owing to the by-election at Mitcham, was unable to be present, wrote welcoming the party and



stating: "I conceive that great value may arise from professional interchange of expert opinion between medical officers in Great Britain and yourselves. As you know, public-health work in this country is of long standing, and we may have methods as well as conditions in which you will be interested. But do not hesitate to suggest to us improved methods and higher conditions if opportunity arises. We are always willing to learn."

Following is a syllabus of Sir George Newman's address:

#### PUBLIC HEALTH ADMINISTRATION IN GREAT BRITAIN.

##### 1. *The English system of local government:*

Principle: Every citizen shares in the State, the consolidation of which depends on local autonomy and efficiency.

- (a) The Crown.
- (b) Parliament.
- (c) Central departments of State; Ministry of Health, Home Office, Board of Education, etc.
- (d) County councils.
- (e) Local sanitary authorities—urban, rural, port.
- (f) Local education authorities.
- (g) Parish councils.
- (h) Poor unions (medical relief and vaccination).
- (i) Special bodies for special purposes, e. g., river boards, hospital boards, insurance committees, etc.

Duties and functions of these various bodies; how elected; permanent and temporary; paid and voluntary services. Rates and taxes, loans, exchequer grants.

##### 2. *English sanitary law and institutions:*

Early sanitary legislation. (a) Epidemics (leprosy, plague, cholera, smallpox). (b) Growth of knowledge. (c) Reports: Poor law commissioners (1838); Privy Council (1856); and the Registrar-General, leading to legislation 1846, 1847, and 1848. (d) Social evolution: The modern movement; environment versus personal factor.

Types of chief legislation now in force:

- 1. Vaccination acts, 1867, 1871, 1898, 1907.
- 2. Public health acts, 1875–1891, and their amendments.
- 3. Rivers pollution act, 1876.
- 4. Sale of food and drugs acts, 1875–1899.
- 5. Local government act, 1888.
- 6. Infectious disease notification and prevention acts, 1889, 1890, 1899.
- 7. Housing of working classes acts, 1890, 1909, 1919.
- 8. Factory and workshop acts, 1893, 1901.
- 9. Isolation hospital acts, 1893, 1901.
- 10. Notification of births acts, 1907, 1915.
- 11. National insurance acts, 1911–1921.
- 12. Feeding, medical inspection, and protection of children, 1906–1921.
- 13. Mental deficiency act, 1913.
- 14. Milk and dairies act, 1915, 1922.
- 15. Venereal disease act, 1917.
- 16. Maternity and child welfare act, 1918.
- 17. Midwives act, 1918.
- 18. Miscellaneous acts (canals, burial, water, alkali, cleansing of persons, etc.), by-laws, adoptive legislation and corporation acts.

3. *Duties of medical officers of health and school medical officers:*

Administration, advisory, investigation and prevention of infectious disease, inspection, reporting. The school medical service. Qualifications. Methods of appointment. Duties of sanitary inspectors.

4. *Public medical services:*

Poor law, public health service, school medical service, insurance medical service.

5. *Powers and obligations of medical practitioner:*

- (1) Notification of births.
- (2) Death certificate.
- (3) Notification of infectious disease.
- (4) Notification of industrial poisoning.
- (5) Cleansing house certificate.
- (6) Disinfection certificate.
- (7) Offensive trade and other nuisances.
- (8) Removal and burial of body, etc.

6. *The establishment of a Ministry of Health: Its scope of duties.*

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## DEATH RATES IN A GROUP OF INSURED PERSONS.

COMPARISON OF DEATH RATES FOR PRINCIPAL CAUSES, DECEMBER, 1922, JANUARY, 1923, AND JANUARY AND YEAR, 1922.

The accompanying tables are taken from the Statistical Bulletin of the Metropolitan Life Insurance Co. for February, 1923. The first table presents the mortality experience of the company for January, 1923, and gives, for purposes of comparison, similar data for December, 1922, and January and year, 1922. The rates are based on a strength of approximately 14,000,000 insured persons.

A sharp rise in the gross death rate for this group of persons is shown for January, 1923, over the rate for December, 1922, due, it is stated, largely to the increase in the number of deaths from influenza and pneumonia, together with higher rates for important organic diseases, namely, heart disease, cerebral hemorrhage, and chronic nephritis. Although 73 per cent of the increase in the death rate for all causes for January over that for December was due to the greater death toll of these five causes, almost every cause of death shows a higher rate for January, 1923, than that recorded for the same month last year, the rate for measles being three and one-half times as high.

*Death rates (annual basis) for principal causes per 100,000 lives exposed, December, 1922, January, 1923, and January and year, 1922.*

[Industrial Department, Metropolitan Life Insurance Co.]

Cause of death.	Death rate per 100,000 lives exposed.			
	January, 1923.	December, 1922.	January, 1922.	Year 1922. <sup>1</sup>
Total, all causes .....	1,046.3	894.1	960.7	877.2
Typhoid fever .....	4.2	4.8	3.9	5.6
Measles .....	8.4	5.9	2.4	4.3
Scarlet fever .....	5.9	4.4	7.5	4.8
Whooping cough .....	3.7	2.3	2.0	2.6
Diphtheria .....	27.1	27.5	26.1	17.8
Influenza .....	37.8	14.1	13.3	21.5
Tuberculosis (all forms) .....	114.7	101.2	108.0	113.4
Tuberculosis of respiratory system .....	106.9	92.1	98.3	102.9
Cancer .....	71.8	71.0	72.8	71.5
Diabetes mellitus .....	20.0	( <sup>2</sup> )	( <sup>2</sup> )	17.0
Cerebral hemorrhage .....	72.1	65.4	67.2	62.4
Organic diseases of heart .....	157.2	128.5	144.8	126.0
Pneumonia (all forms) .....	131.7	86.6	107.2	73.3
Other respiratory diseases .....	20.4	14.4	16.8	13.6
Diarrhea and enteritis .....	6.2	6.1	8.1	10.7
Bright's disease (chronic nephritis) .....	80.6	73.6	78.6	69.9
Puerperal state .....	17.9	14.3	18.2	18.9
Suicides .....	7.1	5.8	6.4	7.4
Homicides .....	7.2	5.4	7.7	6.2
Other external causes (excluding suicides and homicides) .....	56.7	61.7	50.5	57.7
Traumatism by automobile .....	10.8	14.9	9.0	13.5
All other causes .....	195.4	201.1	219.0	172.6

<sup>1</sup> Based on provisional estimate of lives exposed to risk in 1922.

<sup>2</sup> Not available.

The following table shows the per cent of the total amount disbursed by the company during the year 1922 on account of deaths from certain specified diseases and conditions:

Disease or condition.	Per cent of total.	Disease or condition.	Per cent of total.
All causes of death .....	100.0	Puerperal state .....	2.0
Typhoid fever .....	.8	Total external causes .....	12.4
Influenza and pneumonia .....	10.0	Suicides .....	2.0
Influenza .....	2.7	Homicides .....	1.2
Pneumonia (all forms) .....	7.3	Accidents .....	9.2
Tuberculosis (all forms) .....	13.1	Accidental drowning .....	1.0
Tuberculosis of respiratory system .....	12.2	Traumatism by fall .....	.9
Cancer (all forms) .....	9.0	Railroad accidents .....	.8
Cerebral hemorrhage (apoplexy) .....	6.7	Automobile accidents .....	1.7
Diseases of the heart .....	13.0	Other accidents .....	4.8
Chronic nephritis .....	7.4	All other causes of death .....	25.6

## DEATHS DURING WEEK ENDED MARCH 31, 1923.

*Summary of information received by telegraph from industrial insurance companies for week ended March 31, 1923, and corresponding week of 1922. (From the Weekly Health Index, April 3, 1923, issued by the Bureau of the Census, Department of Commerce.)*

	Week ended Mar. 31, 1923.	Corresponding week, 1922.
Policies in force .....	52,684,286	48,873,335
Number of death claims .....	11,462	10,736
Death claims per 1,000 policies in force, annual rate .....	11.3	11.5

*Deaths from all causes in certain large cities of the United States during the week ended March 31, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, April 3, 1923, issued by the Bureau of the Census, Department of Commerce.)*

City.	Estimated population July 1, 1923.	Week ended Mar. 31, 1923.		Annual death rate per 1,000, corresponding week, 1922.	Deaths under 1 year.		Infant mortality rate, week ended Mar. 31, 1923. <sup>3</sup>
		Total deaths.	Death rate. <sup>1</sup>		Week ended Mar. 31, 1923.	Corresponding week, 1922.	
Total.....	29, 087, 521	8, 072	14.5	14.0	980	1, 034	.....
Akron, Ohio.....	208, 435	30	7.5	10.0	4	12	47
Albany, N. Y.....	117, 375	39	17.3	17.9	2	1	44
Atlanta, Ga.....	222, 963	59	13.8	22.5	5	8	.....
Baltimore, Md.....	773, 580	225	15.2	18.0	29	34	85
Birmingham, Ala.....	195, 901	65	17.3	12.8	9	5	.....
Boston, Mass.....	770, 400	276	18.7	16.2	32	35	92
Bridgeport, Conn.....	143, 555	32	11.6	12.4	5	5	69
Buffalo, N. Y.....	536, 718	145	14.1	17.3	21	34	88
Cambridge, Mass.....	111, 444	29	13.6	16.9	1	5	18
Camden N. J.....	124, 157	32	13.4	13.3	4	2	66
Chicago, Ill.....	2, 886, 121	751	13.6	12.1	101	98	.....
Cincinnati, Ohio.....	406, 312	134	17.2	13.5	19	17	125
Cleveland, Ohio.....	888, 519	181	10.6	11.7	21	27	58
Columbus, Ohio.....	261, 082	91	18.2	16.0	8	11	83
Dallas, Tex.....	177, 274	45	13.2	10.3	3	3	.....
Dayton, Ohio.....	165, 530	34	10.7	13.2	4	6	66
Denver, Colo.....	272, 031	89	17.1	18.9	11	14	.....
Detroit, Mich.....	995, 668	247	12.9	12.5	38	44	76
Duluth, Minn.....	106, 289	24	11.8	.....	2	.....	46
Erie, Pa.....	112, 571	29	13.4	12.4	3	4	61
Fall River, Mass.....	120, 912	45	19.4	17.7	7	7	99
Flint, Mich.....	117, 968	26	11.5	.....	3	.....	60
Fort Worth, Tex.....	143, 821	34	12.3	12.3	3	2	.....
Grand Rapids, Mich.....	145, 947	35	12.5	15.6	3	5	47
Houston, Tex.....	154, 970	40	13.5	13.9	7	2	.....
Indianapolis, Ind.....	342, 718	116	17.6	9.3	9	7	69
Jacksonville, Fla.....	100, 046	29	15.1	14.4	5	4	.....
Jersey City, N. J.....	309, 034	82	13.8	15.5	13	13	87
Kansas City, Mo.....	351, 819	89	13.2	14.6	5	4	.....
Los Angeles, Calif.....	666, 853	242	18.9	16.5	22	17	82
Louisville, Ky.....	257, 671	83	16.8	15.8	11	15	119
Lowell, Mass.....	115, 089	33	15.0	13.2	4	3	70
Lynn, Mass.....	102, 683	26	13.2	.....	3	.....	79
Memphis, Tenn.....	170, 067	80	24.5	14.3	4	10	.....
Milwaukee, Wis.....	484, 595	131	14.1	13.1	27	22	134
Minneapolis, Minn.....	409, 125	107	13.6	12.5	13	11	71
Nashville, Tenn.....	121, 128	56	24.1	18.2	8	5	.....
New Bedford, Mass.....	130, 072	36	14.4	18.0	11	8	164
New Haven, Conn.....	172, 967	41	12.4	12.3	5	9	65
New Orleans, La.....	404, 575	130	16.8	14.0	15	8	.....
New York, N. Y.....	5, 927, 625	1, 498	13.2	13.7	190	245	76
Bronx Borough.....	840, 544	179	11.1	12.0	7	22	25
Brooklyn Borough.....	2, 156, 687	495	12.0	12.1	72	85	76
Manhattan Borough.....	2, 267, 001	670	15.4	15.9	92	119	89
Queens Borough.....	535, 844	113	11.0	11.7	13	14	70
Richmond Borough.....	127, 549	41	16.8	20.5	6	5	109
Newark, N. J.....	438, 699	100	11.9	13.9	9	11	42
Norfolk, Va.....	159, 089	35	11.5	10.9	2	3	35
Oakland, Calif.....	240, 086	50	10.9	12.3	2	4	26
Omaha, Nebr.....	204, 383	61	15.6	14.8	9	4	97
Paterson, N. J.....	139, 579	35	13.1	15.1	4	7	64
Philadelphia, Pa.....	1, 922, 788	663	18.0	15.6	82	77	106
Pittsburgh, Pa.....	613, 442	173	14.7	14.9	24	32	83
Portland, Oreg.....	273, 621	85	16.2	13.4	8	2	81
Providence, R. I.....	242, 378	83	17.9	15.4	10	8	82
Richmond, Va.....	181, 044	47	13.5	14.6	5	7	61
Rochester, N. Y.....	317, 867	66	10.8	14.1	12	13	95
St. Louis, Mo.....	803, 853	203	13.2	13.1	18	14	.....
St. Paul, Minn.....	241, 891	69	14.9	11.7	7	10	65
Salt Lake City, Utah.....	126, 241	45	18.6	13.0	5	2	81
San Antonio, Tex.....	184, 727	53	15.0	.....	6	.....	.....
San Francisco, Calif.....	539, 038	155	15.0	14.0	7	16	42
Seattle, Wash.....	315, 312	63	10.4	12.2	6	7	53
Spokane, Wash.....	104, 573	35	17.5	11.5	5	3	109

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

<sup>2</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 1922. Cities left blank are not in the registration area for births.

<sup>3</sup> Enumerated population Jan. 1, 1920.

*Deaths from all causes in certain large cities of the United States during the week ended March 31, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, April 3, 1923, issued by the Bureau of the Census, Department of Commerce.)—Continued.*

City.	Estimated population July 1, 1923.	Week ended Mar. 31, 1923.		Annual death rate per 1,000, corresponding week, 1922.	Deaths under 1 year.		Infant mortality rate, week ended Mar. 31, 1923.
		Total deaths.	Death rate.		Week ended Mar. 31, 1923.	Corresponding week, 1922.	
Springfield, Mass.....	144,227	46	16.6	15.3	7	6	100
Syracuse, N. Y.....	184,511	44	12.4	15.0	4	7	52
Tacoma, Wash.....	101,731	18	9.2	.....	1	.....	25
Toledo, Ohio.....	268,338	67	13.0	15.4	10	8	101
Trenton, N. J.....	127,390	47	19.2	15.8	8	3	135
Washington, D. C.....	* 437,571	161	19.2	15.3	16	12	91
Wilmington, Del.....	117,728	35	15.5	14.4	5	4	102
Worcester, Mass.....	191,927	55	14.9	14.9	6	9	67
Yonkers, N. Y.....	107,520	26	12.6	10.9	5	1	108
Youngstown, Ohio.....	* 132,358	36	14.2	9.1	7	2	95

\* Enumerated population Jan. 1, 1920.

# 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.

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

#### Reports for Week Ended April 7, 1923.

ALABAMA.		CALIFORNIA.	
	Cases.		Cases.
Cerebrospinal meningitis.....	2	Cerebrospinal meningitis:	
Chicken pox.....	34	Alameda.....	1
Diphtheria.....	9	Los Angeles.....	1
Influenza.....	397	San Francisco.....	1
Lethargic encephalitis.....	1	Diphtheria.....	137
Malaria.....	27	Influenza.....	131
Measles.....	689	Leprosy—Sacramento.....	1
Pellagra.....	16	Lethargic encephalitis:	
Pneumonia.....	112	Los Angeles.....	2
Scarlet fever.....	7	Ontario.....	1
Smallpox.....	11	San Francisco.....	1
Tuberculosis.....	47	Suisun.....	1
Typhoid fever.....	10	Tulare County.....	1
Whooping cough.....	52	Measles.....	944
		Rocky Mountain spotted fever:	
ARIZONA.		Lassen County.....	1
Chicken pox.....	6	Scarlet fever.....	184
Diphtheria.....	1	Smallpox:	
Measles.....	1	Los Angeles.....	13
Mumps.....	23	Scattering.....	21
Scarlet fever.....	25	Typhoid fever.....	9
Smallpox.....	8		
Trachoma.....	1	COLORADO.	
Whooping cough.....	10	(Exclusive of Denver.)	
		Chicken pox.....	21
		Diphtheria.....	15
		Influenza.....	28
		Measles.....	13
		Mumps.....	19
		Pneumonia.....	42
		Scarlet fever.....	29
		Septic sore throat.....	2
		Tuberculosis.....	43
		Whooping cough.....	23
ARKANSAS.		CONNECTICUT.	
Chicken pox.....	48	Cerebrospinal meningitis.....	1
Diphtheria.....	2	Chicken pox.....	38
Hookworm disease.....	3	Conjunctivitis.....	2
Influenza.....	239	Diphtheria.....	48
Malaria.....	39		
Measles.....	99		
Mumps.....	11		
Pellagra.....	8		
Scarlet fever.....	5		
Smallpox.....	8		
Trachoma.....	2		
Tuberculosis.....	12		
Typhoid fever.....	2		
Whooping cough.....	9		

## CONNECTICUT—continued.

	Cases.
Favus.....	1
Influenza.....	22
Lethargic encephalitis.....	7
Measles.....	252
Mumps.....	60
Pneumonia (lobar).....	34
Scarlet fever.....	49
Smallpox.....	2
Trachoma.....	1
Trichinosis.....	1
Tuberculosis (all forms).....	25
Whooping cough.....	69

## FLORIDA.

Diphtheria.....	6
Influenza.....	4
Malaria.....	9
Pneumonia.....	2
Smallpox.....	7
Typhoid fever.....	13

## GEORGIA.

Chicken pox.....	19
Conjunctivitis (infectious).....	1
Dengue.....	1
Diphtheria.....	47
Dysentery (bacillary).....	1
German measles.....	1
Hookworm disease.....	5
Influenza.....	157
Malaria.....	13
Measles.....	472
Mumps.....	8
Pneumonia.....	43
Scarlet fever.....	13
Septic sore throat.....	3
Smallpox.....	9
Tuberculosis (all forms).....	8
Typhoid fever.....	5
Whooping cough.....	4

## ILLINOIS.

Cerebrospinal meningitis:	
Cook County (including Chicago).....	3
Chicago.....	2
Henry County.....	1
Diphtheria:	
Cook County (including Chicago).....	104
Chicago.....	96
Scattering.....	37
Influenza.....	165
Lethargic encephalitis:	
Chicago.....	2
Sangamon County.....	1
Pneumonia.....	624
Scarlet fever:	
Cook County (including Chicago).....	93
Chicago.....	77
Peoria County.....	11
Scattering.....	78
Smallpox.....	7
Typhoid fever.....	15
Whooping cough.....	230

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

## INDIANA.

	Cases.
Cerebrospinal meningitis:	
Lake County.....	2
Madison County.....	1
Diphtheria.....	56
Influenza.....	17
Measles.....	854
Pneumonia.....	5
Scarlet fever.....	125
Smallpox.....	63
Typhoid fever.....	4

## IOWA.

Diphtheria.....	46
Scarlet fever.....	143
Smallpox.....	18

## KANSAS.

Cerebrospinal meningitis.....	3
Chicken pox.....	53
Diphtheria.....	39
German measles.....	1
Influenza.....	13
Measles.....	217
Mumps.....	58
Pneumonia.....	53
Poliomyelitis.....	1
Scarlet fever.....	61
Smallpox.....	19
Tetanus.....	2
Tuberculosis.....	40
Typhoid fever.....	7
Whooping cough.....	207

## LOUISIANA.

Diphtheria.....	8
Influenza.....	176
Scarlet fever.....	2
Smallpox.....	17
Typhoid fever.....	7
Whooping cough.....	16

## MAINE.

Cerebrospinal meningitis.....	1
Chicken pox.....	19
Conjunctivitis (infectious).....	1
Diphtheria.....	6
German measles.....	22
Influenza.....	61
Measles.....	137
Mumps.....	1
Pneumonia.....	20
Scarlet fever.....	27
Tuberculosis.....	15
Typhoid fever.....	2
Whooping cough.....	77

MARYLAND.<sup>1</sup>

Cerebrospinal meningitis.....	1
Chicken pox.....	91
Diphtheria.....	48
Dysentery.....	1
Influenza.....	135
Lethargic encephalitis.....	4

## MARYLAND—continued.

	Cases.
Malaria.....	1
Measles.....	674
Mumps.....	47
Pneumonia (all forms).....	170
Poliomyelitis.....	1
Scarlet fever.....	73
Septic sore throat.....	1
Smallpox.....	1
Tuberculosis.....	52
Typhoid fever.....	5
Whooping cough.....	122

## MASSACHUSETTS.

Cerebrospinal meningitis.....	3
Chicken pox.....	132
Conjunctivitis (suppurative).....	34
Diphtheria.....	135
German measles.....	13
Influenza.....	36
Lethargic encephalitis.....	9
Malaria.....	1
Measles.....	849
Mumps.....	239
Ophthalmia neonatorum.....	11
Pneumonia (lobar).....	98
Scarlet fever.....	322
Septic sore throat.....	1
Trachoma.....	2
Tuberculosis (all forms).....	159
Typhoid fever.....	13
Typhus fever.....	1
Whooping cough.....	353

## MICHIGAN.

Diphtheria.....	120
Measles.....	346
Pneumonia.....	190
Scarlet fever.....	323
Smallpox.....	24
Tuberculosis.....	56
Typhoid fever.....	8
Whooping cough.....	214

## MINNESOTA.

Cerebrospinal meningitis.....	2
Chicken pox.....	8
Diphtheria.....	38
Influenza.....	3
Lethargic encephalitis.....	4
Measles.....	621
Pneumonia.....	13
Scarlet fever.....	154
Smallpox.....	40
Tuberculosis.....	47
Typhoid fever.....	6
Whooping cough.....	9

## MISSISSIPPI.

Diphtheria.....	11
Influenza.....	409
Scarlet fever.....	2
Smallpox.....	4
Typhoid fever.....	5

## MISSOURI.

	Cases.
Chicken pox.....	53
Diphtheria.....	59
Epidemic sore throat.....	9
Influenza.....	236
Measles.....	1,490
Mumps.....	22
Ophthalmia neonatorum.....	1
Pneumonia.....	23
Scarlet fever.....	76
Smallpox.....	9
Trachoma.....	3
Tuberculosis.....	34
Typhoid fever.....	4
Whooping cough.....	42

## MONTANA.

Diphtheria.....	2
Rocky Mountain spotted fever:	
Townsend, R. F. D. 1.....	1
Scarlet fever.....	11
Smallpox.....	5

## NEBRASKA.

Chicken pox.....	14
Diphtheria.....	7
German measles.....	3
Influenza.....	14
Measles.....	17
Mumps.....	48
Pneumonia.....	4
Scarlet fever.....	26
Tuberculosis.....	10
Typhoid fever.....	2
Whooping cough.....	50

## NEW JERSEY.

Cerebrospinal meningitis.....	2
Chicken pox.....	117
Diphtheria.....	119
Dysentery.....	1
Influenza.....	45
Measles.....	848
Pneumonia.....	158
Poliomyelitis.....	2
Scarlet fever.....	180
Trachoma.....	1
Typhoid fever.....	4
Whooping cough.....	110

## NEW MEXICO.

Cerebrospinal meningitis.....	1
Chicken pox.....	4
Diphtheria.....	46
Influenza.....	6
Measles.....	60
Mumps.....	10
Pneumonia.....	18
Scarlet fever.....	12
Smallpox.....	11
Trachoma.....	1
Tuberculosis.....	20
Whooping cough.....	7



## NEW YORK.

(Exclusive of New York City.)

	Cases.
Cerebrospinal meningitis.....	2
Diphtheria.....	96
Influenza.....	270
Lethargic encephalitis.....	4
Measles.....	1,305
Pneumonia.....	376
Polio myelitis.....	1
Scarlet fever.....	333
Smallpox.....	2
Typhoid fever.....	16
Whooping cough.....	341

## NORTH CAROLINA.

Cerebrospinal meningitis.....	2
Chicken pox.....	100
Diphtheria.....	50
German measles.....	15
Measles.....	2,481
Polio myelitis.....	1
Scarlet fever.....	18
Smallpox.....	62
Trachoma.....	1
Typhoid fever.....	5
Whooping cough.....	427

## OREGON.

Chicken pox.....	23
Diphtheria.....	6
Influenza.....	16
Lethargic encephalitis:	
Portland.....	11
Wallowa County.....	11
Measles.....	2
Mumps.....	1
Pneumonia.....	110
Scarlet fever.....	15
Smallpox:	
Columbia County.....	13
Portland.....	8
Scattering.....	8
Tuberculosis.....	8
Whooping cough.....	18

## SOUTH DAKOTA.

Cerebrospinal meningitis.....	1
Chicken pox.....	9
Diphtheria.....	21
Influenza.....	1
Lethargic encephalitis.....	1
Measles.....	30
Mumps.....	1
Pneumonia.....	15
Polio myelitis.....	1
Scarlet fever.....	36
Smallpox.....	5
Tuberculosis.....	1
Typhoid fever.....	2
Whooping cough.....	4

## TEXAS.

Cerebrospinal meningitis.....	1
Chicken pox.....	88
Dengue.....	4

<sup>1</sup> Deaths.

## TEXAS—continued.

	Cases.
Diphtheria.....	31
Dysentery.....	1
Influenza.....	988
Measles.....	127
Mumps.....	133
Pellagra.....	2
Pneumonia.....	100
Polio myelitis.....	1
Scarlet fever.....	13
Trachoma.....	21
Smallpox.....	73
Tuberculosis.....	85
Typhoid fever.....	2
Whooping cough.....	53

## VERMONT.

Chicken pox.....	4
Diphtheria.....	1
Influenza.....	3
Measles.....	13
Mumps.....	21
Pneumonia.....	6
Scarlet fever.....	11
Smallpox.....	2
Typhoid fever.....	1
Whooping cough.....	34

## WASHINGTON.

Cerebrospinal meningitis:	
Lewis.....	1
Seattle.....	1
Chicken pox.....	61
Diphtheria:	
Spokane.....	10
Scattering.....	17
Lethargic encephalitis:	
Skagit County.....	1
Measles.....	8
Mumps.....	9
Polio myelitis—Kitsap.....	1
Scarlet fever:	
Spokane.....	13
Taylor.....	23
Scattering.....	17
Smallpox.....	32
Tuberculosis.....	35
Typhoid fever.....	5
Whooping cough.....	65

## WEST VIRGINIA.

Chicken pox.....	8
Diphtheria.....	2
Scarlet fever.....	6
Typhoid fever.....	2

## WISCONSIN.

Milwaukee:	
Chicken pox.....	9
Diphtheria.....	13
German measles.....	1
Measles.....	90
Pneumonia.....	7
Scarlet fever.....	226
Tuberculosis.....	6
Whooping cough.....	27

## WISCONSIN—continued.

Scattering:	Cases.
Chicken pox.....	74
Diphtheria.....	43
Influenza.....	224
Lethargic encephalitis.....	3
Measles.....	809
Pneumonia.....	20
Polio-myelitis.....	1
Scarlet fever.....	161
Smallpox.....	28
Tuberculosis.....	31

## WISCONSIN—continued.

Scattering—Continued.	Cases.
Typhoid fever.....	6
Whooping cough.....	63
WYOMING.	
Chicken pox.....	5
Influenza.....	1
Measles.....	9
Mumps.....	3
Scarlet fever.....	3
Smallpox.....	4
Tuberculosis.....	1

## Reports for Week Ended March 31, 1923.

## DISTRICT OF COLUMBIA.

	Cases.
Cerebrospinal meningitis.....	1
Chicken pox.....	35
Diphtheria.....	13
Influenza.....	6
Lethargic encephalitis.....	1
Measles.....	417
Scarlet fever.....	31
Tuberculosis.....	33
Whooping cough.....	41

## NORTH DAKOTA.

	Cases.
Chicken pox.....	2
Diphtheria.....	12
German measles.....	1
Lethargic encephalitis.....	1
Measles.....	31
Pneumonia.....	10
Scarlet fever.....	40
Smallpox.....	9
Tuberculosis.....	1
Typhoid fever.....	1
Whooping cough.....	11

## 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.	Polio-myelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>February, 1923.</i>										
Arkansas.....	1	24	3,159	69	254	7	2	19	10	16
California.....	8	657	3,985	6	1,780	3	3	792	74	28
Montana.....	9	39	237	—	20	—	1	65	37	4
Virginia.....	9	247	24,529	64	2,636	8	3	246	28	23
<i>March, 1923.</i>										
Florida.....	1	32	98	19	174	11	1	7	44	55
Nebraska.....	1	78	506	94	—	1	—	152	11	3

## RECIPROCAL NOTIFICATION.

February, 1923.

Cases of communicable diseases referred during February, 1923, to other State health departments by departments of health of certain States.

State referred by.	Cerebrospinal meningitis.	Measles.	Scarlet fever.	Tuberculosis.	Typhoid fever.
Connecticut.....	1	—	—	—	—
Illinois.....	—	—	—	6	—
Minnesota.....	—	1	—	22	1
New York.....	—	—	3	—	—

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923.

## ANTHRAX.

City.	Cases.	Deaths.
Pennsylvania: Philadelphia.....	1	.....

## CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight 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 Mar. 24, 1923.		City.	Median for pre- vious years.	Week ended Mar. 24, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California: Los Angeles.....	0	.....	1	New Hampshire: Keene.....	0	.....	1
Connecticut: Bridgeport.....	0	1	1	New Jersey: West New York.....	0	1	.....
New Haven.....	0	2	.....	New York: Mount Vernon.....	0	1	1
District of Columbia: Washington.....	0	1	1	New York: New York.....	6	2	.....
Georgia: Atlanta.....	0	1	1	Watertown.....	0	1	1
Illinois: Chicago.....	1	5	4	Ohio: Akron.....	0	1	.....
Kentucky: Lexington.....	0	1	.....	Hamilton.....	0	.....	1
Louisville.....	0	1	.....	Pennsylvania: Bethlehem.....	0	1	.....
Louisiana: New Orleans.....	0	1	1	Pittsburgh.....	0	2	.....
Massachusetts: Boston.....	2	1	.....	Texas: El Paso.....	0	.....	1
Frammingham.....	0	1	1	Galveston.....	0	.....	1
Michigan: Detroit.....	1	.....	1	Virginia: Richmond.....	0	1	.....
Missouri: Kansas City.....	0	1	.....	Washington: Seattle.....	0	1	.....
St. Louis.....	1	2	1	Wisconsin: Superior.....	0	1	1

## DIPHTHERIA.

See p. 802; also Current State summaries, p. 790, and Monthly summaries by States, p. 794.

## INFLUENZA.

City.	Cases.		Deaths, week ended Mar. 24, 1923.	City.	Cases.		Deaths, week ended Mar. 24, 1923.
	Week ended Mar. 25, 1922.	Week ended Mar. 24, 1923.			Week ended Mar. 25, 1922.	Week ended Mar. 24, 1923.	
Alabama: Birmingham.....	1	23	1	California—Continued. Riverside.....	6	.....	.....
Mobile.....	.....	1	1	Sacramento.....	3	7	.....
Montgomery.....	1	.....	.....	San Diego.....	66	3	3
Tuscaloosa.....	.....	9	.....	San Francisco.....	13	.....	.....
Arkansas: Little Rock.....	5	4	.....	Santa Ana.....	7	.....	.....
California: Alameda.....	3	.....	.....	Stockton.....	17	16	.....
Bakersfield.....	5	.....	.....	Colorado: Denver.....	.....	.....	1
Berkeley.....	5	.....	.....	Connecticut: Bridgeport.....	5	1	1
Long Beach.....	12	.....	1	Bristol.....	1	.....	.....
Los Angeles.....	206	67	7	Hartford.....	1	.....	.....
Oakland.....	21	6	.....	Meriden.....	1	.....	.....
Pasadena.....	13	3	1	New Britain.....	14	1	2

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

## INFLUENZA—Continued.

City.	Cases.		Deaths, week ended Mar. 24, 1923.	City.	Cases.		Deaths week ended Mar. 24, 1923.
	Week ended Mar. 25, 1922.	Week ended Mar. 24, 1923.			Week ended Mar. 25, 1922.	Week ended Mar. 24, 1923.	
Connecticut—Continued.				Massachusetts—Contd.			
New Haven.....		2	3	Watertown.....			1
New London.....		2	1	Weymouth.....			1
Stonington.....	27			Winthrop.....		1	1
Waterbury.....	2			Michigan:			
District of Columbia:				Battle Creek.....		1	
Washington.....	4	10	7	Detroit.....	29	11	4
Florida:				Flint.....		1	
Tampa.....	5			Grand Rapids.....	10		
Georgia:				Ishpeming.....	2		
Atlanta.....	115	16		Jackson.....	2		1
Brunswick.....	1			Kalamazoo.....			2
Macon.....		100		Marquette.....	34		
Rome.....	66			Muskegon.....		1	
Illinois:				Pontiac.....	1		
Aurora.....	1			Minnesota:			
Chicago.....	93	54	15	Duluth.....	1		
Cicero.....	2	28		Faribault.....			1
Danville.....	1			Minneapolis.....			3
Decatur.....	3	3		St. Cloud.....		1	
Evanston.....		1		St. Paul.....			3
Mattoon.....			1	Missouri:			
Quincy.....	10	1		Independence.....		1	
Rock Island.....	2			Kansas City.....	11	8	11
Springfield.....		4	4	St. Joseph.....		1	
Indiana:				St. Louis.....	27		
Bloomington.....		1		Springfield.....			2
Fort Wayne.....			2	Montana:			
Gary.....			1	Missoula.....	20		
Hammond.....			1	Nevada:			
Indianapolis.....			1	Reno.....	5	9	
Kokomo.....			1	New Jersey:			
Terre Haute.....			4	Atlantic City.....	1		
Iowa:				Bloomfield.....		1	
Burlington.....		1		Clifton.....	1		
Kansas:				Garfield.....		1	
Coffeyville.....		1		Hoboken.....			1
Wichita.....			1	Kearny.....	2	4	
Kentucky:				Newark.....	42	23	5
Covington.....			2	Orange.....		2	
Henderson.....			1	Summit.....	5		
Louisville.....	7	4	1	Trenton.....	3	4	
Louisiana:				West Orange.....		2	
Baton Rouge.....	5			New Mexico:			
New Orleans.....	13	15	8	Albuquerque.....	3		
Maine:				New York:			
Bangor.....		6		Albany.....	37	29	
Biddeford.....	3			Amsterdam.....		5	
Portland.....		1	1	Binghamton.....	57		
Sanford.....	25	1	1	Buffalo.....	14	1	3
Maryland:				Cohoes.....	6	3	
Baltimore.....	94	63	3	Cortland.....	5		
Cumberland.....	8	11	1	Dunkirk.....		28	1
Frederick.....		32		Elmira.....	1		
Massachusetts:				Hudson.....			1
Attleboro.....		9		Jamestown.....		1	
Belmont.....	2			Lockport.....	2		
Boston.....	31	11	3	Middletown.....		5	1
Braintree.....	5	1		Mount Vernon.....	3	3	
Cambridge.....	8	1		New York.....	120	326	48
Chicopee.....	2			North Tonawanda.....	2		
Everett.....	13	13		Olean.....		3	2
Fall River.....	6	5	4	Peekskill.....	5	1	2
Greenfield.....	7			Poughkeepsie.....	4		2
Haverhill.....	4	1		Rochester.....			1
Lowell.....		1		Rome.....			2
Lynn.....	1		1	Saratoga Springs.....	148	2	
New Bedford.....	1	2	1	Syracuse.....	26		
Pittsfield.....	8	1	1	Watertown.....	4		1
Quincy.....	3	1	1	Yonkers.....	1		3
Saugus.....	2			North Carolina:			
Somerville.....	1	1	1	Charlotte.....	3		
Springfield.....	3			Greensboro.....			1
Waltham.....		1		Wilmington.....	36		1

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

## INFLUENZA—Continued.

City.	Cases.		Deaths, week ended Mar. 24, 1923.	City.	Cases.		Deaths week ended Mar. 24, 1923.
	Week ended Mar. 25, 1922.	Week ended Mar. 24, 1923.			Week ended Mar. 25, 1922.	Week ended Mar. 24, 1923.	
Ohio:				Texas—Continued.			
Akron.....	2	1	1	El Paso.....			7
Barberton.....			1	Fott Worth.....		1	1
Cincinnati.....	4	4	6	Houston.....	40		1
Cleveland.....	39	8	6	San Antonio.....			1
Cleveland Heights.....	1			Utah:			
Columbus.....	30		3	Salt Lake City.....			1
Findlay.....			1	Virginia:			
Ironton.....	4		1	Charlottesville.....			1
Mansfield.....		1		Danville.....			1
Piqua.....			1	Lynchburg.....			1
Springfield.....	1		1	Norfolk.....	2		
Toledo.....			2	Petersburg.....	16		
Youngstown.....	2		3	Richmond.....			1
Oklahoma:				Roanoke.....	1		2
Oklahoma.....			1	Washington:			
Oregon:				Walla Walla.....	2		
Portland.....		2	2	West Virginia:			
Pennsylvania:				Charleston.....	16		1
Philadelphia.....	17	12	13	Clarksburg.....			1
Rhode Island:				Fairmont.....	30		
Cumberland.....		2	1	Huntington.....	2	5	1
Providence.....	2	1		Morgantown.....		3	
South Carolina:				Wisconsin:			
Greenville.....	15			Kenosha.....	1		
Tennessee:				La Crosse.....		1	
Memphis.....			5	Manitowoc.....	3		
Nashville.....			2	Marquette.....			1
Texas:				Milwaukee.....			1
Austin.....		8	1	Sheboygan.....			1
Beaumont.....	8			Wyoming:			
Dallas.....	9	1	3	Casper.....	8		

## LETHARGIC ENCEPHALITIS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Connecticut:			Minnesota:		
New Haven.....		1	St. Cloud.....	3	
Massachusetts:			Washington:		
Braintree.....	1		Spokane.....	1	
Webster.....	1		Wisconsin:		
			Milwaukee.....	1	

## MALARIA.

Alabama:			Louisiana:		
Birmingham.....	2		New Orleans.....	2	
Florida:			Michigan:		
Tampa.....	1		Detroit.....	2	
Georgia:			New York:		
Albany.....	1		New York.....	1	
Savannah.....	1		Pennsylvania:		
Illinois:			Philadelphia.....	1	1
Chicago.....		1	Texas:		
			Beaumont.....		1

## MEASLES.

See p. 802; also Current State summaries, p. 790, and Monthly summaries by States, p. 794.

## PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Maryland:			Virginia:		
Baltimore.....		1	Norfolk.....		1
Texas:			Richmond.....		1
Waco.....		1			

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

## PNEUMONIA (ALL FORMS).

City.	Cases.	Deaths.	City.	Cases.	Deaths.
<b>Alabama:</b>			<b>Kentucky:</b>		
Anniston.....	3	11	Covington.....		2
Birmingham.....	31	2	Lexington.....		3
Mobile.....			Louisville.....	20	11
<b>Arkansas:</b>			Owensboro.....	1	
Little Rock.....	6		<b>Louisiana:</b>		
<b>California:</b>			New Orleans.....		17
Alameda.....		1	<b>Maine:</b>		
Bakersfield.....	1		Bath.....		1
Eureka.....		2	Biddeford.....		2
Long Beach.....		1	Lewiston.....	2	1
Los Angeles.....	64	18	Portland.....		5
Oakland.....	5	4	Sanford.....	1	
Pasadena.....	3	2	<b>Maryland:</b>		
Riverside.....		2	Baltimore.....	108	44
Sacramento.....		4	Cumberland.....		2
San Bernardino.....		3	Frederick.....	1	
San Diego.....	2	1	<b>Massachusetts:</b>		
Santa Barbara.....		1	Adams.....		1
Stockton.....	1		Attleboro.....		1
<b>Colorado:</b>			Belmont.....	1	
Denver.....		19	Beverly.....	1	
Pueblo.....		1	Boston.....	45	43
<b>Connecticut:</b>			Braintree.....		2
Bridgeport.....	11	5	Brookline.....	1	
Bristol.....		2	Cambridge.....		6
Hartford.....	2		Chelsea.....	2	
Manchester.....	2		Clinton.....	1	
New Britain.....	4	1	Danvers.....		1
New Haven.....		14	Easthampton.....	1	
New London.....	1		Everett.....	2	
Waterbury.....		6	Fall River.....	7	4
<b>District of Columbia:</b>			Frammingham.....	1	
Washington.....		39	Haverhill.....	3	2
<b>Florida:</b>			Lawrence.....		1
St. Petersburg.....		2	Lowell.....	13	12
Tampa.....		2	Lynn.....		6
<b>Georgia:</b>			Malden.....		3
Atlanta.....	20	15	Methuen.....		1
Brunswick.....	1		Milford.....	2	2
Savannah.....		5	New Bedford.....		15
<b>Illinois:</b>			Newburyport.....	1	1
Alton.....	3	1	Pittsfield.....		5
Aurora.....	3		Plymouth.....	1	
Bloomington.....		2	Somerville.....	5	2
Blue Island.....		3	Southbridge.....	1	
Chicago.....	380	105	Springfield.....	5	
Cicero.....	4	1	Taunton.....		7
Decatur.....	9	2	Watertown.....	2	
Elgin.....	4	1	Westfield.....	1	
Evanston.....	2		Weymouth.....		1
Jacksonville.....		1	Woburn.....		3
Kewanee.....		1	Worcester.....	8	3
Oak Park.....	4	2	<b>Michigan:</b>		
Peoria.....		2	Alpena.....	1	
Quincy.....	8	1	Ann Arbor.....	2	
Springfield.....	18	7	Battle Creek.....	2	
<b>Indiana:</b>			Benton Harbor.....		1
Anderson.....		2	Detroit.....	61	37
Bloomington.....	1		Flint.....		11
East Chicago.....		3	Grand Rapids.....	7	2
Fort Wayne.....	4		Hamtramck.....		3
Gary.....	6		Highland Park.....		2
Hammond.....	4		Holland.....		1
Indianapolis.....	16		Jackson.....	4	1
Kokomo.....	1		Kalamazoo.....		1
La Fayette.....	1		Muskegon.....	4	3
Logansport.....	1		Pontiac.....		1
South Bend.....	2		Port Huron.....		3
Terre Haute.....	4		Sault Ste. Marie.....	2	
<b>Iowa:</b>			<b>Minnesota:</b>		
Burlington.....	3	1	Duluth.....	8	4
Council Bluffs.....		3	Minneapolis.....		8
Muscatine.....		2	St. Paul.....		12
<b>Kansas:</b>			<b>Missouri:</b>		
Coffeyville.....	2		Independence.....	1	
Fort Scott.....		1	Kansas City.....		12
Kansas City.....	4		St. Joseph.....		4
Topeka.....	5	2	Springfield.....		1

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

## PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
<b>Montana:</b>			<b>Ohio—Continued.</b>		
Billings.....		2	Chillicothe.....		2
Great Falls.....		2	Cincinnati.....		12
Missoula.....	4		Cleveland.....	68	25
<b>Nebraska:</b>			Cleveland Heights.....	1	
Lincoln.....		2	Columbus.....		9
Omaha.....		9	Dayton.....	1	
<b>New Hampshire:</b>			East Cleveland.....		2
Keene.....		1	East Youngstown.....		4
Manchester.....		4	Findlay.....	2	1
<b>New Jersey:</b>			Hamilton.....		1
Atlantic City.....		3	Kenmore.....	1	
Belleville.....	2		Mansfield.....	6	2
Bloomfield.....	4	1	Newark.....		1
Clifton.....	2		Niles.....	2	2
East Orange.....		2	Salem.....		1
Elizabeth.....		9	Sandusky.....		1
Englewood.....	2	1	Toledo.....		11
Garfield.....	3	2	Youngstown.....		4
Harrison.....	1		Zanesville.....		5
Hoboken.....		4	<b>Oklahoma:</b>		
Jersey City.....	7		Oklahoma.....		8
Kearny.....	4	1	<b>Oregon:</b>		
Montclair.....	3	1	Portland.....		13
Morristown.....	1		<b>Pennsylvania:</b>		
Newark.....	59	17	Philadelphia.....	127	104
Orange.....	4		<b>Rhode Island:</b>		
Passaic.....		3	Cumberland.....		1
Perth Amboy.....		1	Newport.....		2
Phillipsburg.....		1	Pawtucket.....		4
Plainfield.....	3	2	Providence.....		21
Summit.....	4	2	<b>South Carolina:</b>		
Trenton.....	9	6	Charleston.....		2
West Hoboken.....		5	Columbia.....		7
West Orange.....	3		Greenville.....		2
<b>New Mexico:</b>			<b>Tennessee:</b>		
Albuquerque.....	2		Memphis.....		19
<b>New York:</b>			Nashville.....		17
Albany.....	16		<b>Texas:</b>		
Amsterdam.....		2	Amarillo.....		1
Auburn.....	1		Beaumont.....		7
Buffalo.....	47	16	Dallas.....		7
Cohoes.....	6		El Paso.....		4
Cortland.....	1		Fort Worth.....		10
Dunkirk.....	3	1	Galveston.....		1
Elmira.....	7		Houston.....		8
Glens Falls.....	1		San Antonio.....		17
Hornell.....	3	1	Waco.....		5
Ithaca.....		1	<b>Utah:</b>		
Jamestown.....	3		Salt Lake City.....		8
Lackawanna.....		2	<b>Vermont:</b>		
Middletown.....	4	1	Burlington.....		1
Mount Vernon.....	4		Rutland.....		1
New York.....	460	263	<b>Virginia:</b>		
Olean.....	5		Alexandria.....		1
Peekskill.....	5	2	Norfolk.....		7
Port Chester.....	2		Petersburg.....		1
Poughkeepsie.....	1		Portsmouth.....		4
Rochester.....	21	8	Richmond.....		5
Rome.....	3	1	Roanoke.....		1
Saratoga Springs.....	1		<b>West Virginia:</b>		
Schenectady.....	11	7	Bluefield.....		2
Syracuse.....	8	7	Charleston.....		4
Troy.....	7	6	Huntington.....		7
Watertown.....	5	3	Morgantown.....	1	
White Plains.....	3		Parkersburg.....		1
Yonkers.....	7	6	Wheeling.....		7
<b>North Carolina:</b>			<b>Wisconsin:</b>		
Durham.....		1	Beloit.....	2	
Greensboro.....		2	Janesville.....		1
Raleigh.....		1	Kenosha.....		2
Rocky Mount.....		1	Madison.....	5	1
Wilmington.....	47	2	Milwaukee.....		19
Winston-Salem.....		4	Oshkosh.....		4
<b>Ohio:</b>			Racine.....		3
Akron.....	12		Sheboygan.....		1
Barberton.....		1	Superior.....		2
Bucyrus.....	3		<b>Wyoming:</b>		
Cambridge.....		1	Cheyenne.....		1
Canton.....		5			

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

## POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Mar. 24, 1923.	
		Cases.	Deaths.
Massachusetts—Webster .....		1	.....
New York—New York .....	0	2	.....
Pennsylvania—Butler .....	0	1	.....

## RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
Alabama:		Missouri:	
Tuscaloosa .....	2	Kansas City .....	4
California:		New Jersey:	
Los Angeles .....	24	Montclair .....	1
Georgia:		Orange .....	1
Savannah .....	2	Summit .....	1
Massachusetts:			
Methuen .....	2		

## SCARLET FEVER.

See p. 802; also Current State summaries, p. 790, and Monthly summaries by States, p. 794.

## SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Mar. 24, 1923.		City.	Median for previous years.	Week ended Mar. 24, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Minnesota:			
Birmingham .....	1	1	.....	Duluth .....	0	5	.....
Mobile .....	3	1	.....	Faribault .....	0	1	.....
California:				Minneapolis .....	24	8	.....
Los Angeles .....	1	3	.....	St. Paul .....	8	7	.....
Oakland .....	0	4	.....	Montana:			
Stockton .....	0	1	.....	Billings .....	1	1	.....
Colorado:				Great Falls .....	2	1	.....
Denver .....	12	2	.....	Missoula .....	1	1	.....
Connecticut:				New York:			
Bridgeport .....	0		1	Dunkirk .....	0	1	.....
Florida:				Olean .....		1	.....
Key West .....	0	2	.....	North Carolina:			
St. Petersburg .....		2	.....	Durham .....	1	3	.....
Georgia:				Greensboro .....	0	14	.....
Macon .....	1	1	.....	Winston-Salem .....	5	35	.....
Valdosta .....	1	3	.....	North Dakota:			
Indiana:				Grand Forks .....	3	1	.....
Anderson .....	0	1	.....	Ohio:			
Fort Wayne .....	1	3	.....	Columbus .....	1	2	.....
Gary .....	0	10	.....	Dayton .....	1	1	.....
Indianapolis .....	6	3	.....	Toledo .....	4	38	.....
Logansport .....	0	1	.....	Youngstown .....	2	1	.....
Iowa:				Oklahoma:			
Davenport .....	5	8	.....	Oklahoma .....	6	1	.....
Kansas:				Oregon:			
Atchison .....	0	3	.....	Portland .....	4	13	.....
Louisiana:				Pennsylvania:			
New Orleans .....	6	1	.....	Altoona .....	0	1	.....
Michigan:				South Carolina:			
Battle Creek .....	2	2	.....	Greenville .....	0	1	.....
Detroit .....	8	1	.....	Tennessee:			
Grand Rapids .....	2	3	.....	Memphis .....	2	2	.....



## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

## SMALLPOX—Continued.

City.	Median for pre- vious years.	Week ended Mar. 24, 1923.		City.	Median for pre- vious years.	Week ended Mar. 24, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Texas:				Washington—Continued.			
Fort Worth.....	2	2	.....	Seattle.....	4	4	.....
Waco.....	0	1	.....	Spokane.....	11	3	.....
Utah:				Tacoma.....	1	2	.....
Salt Lake City.....	14	1	.....	Wisconsin:			
Virginia:				Beloit.....	0	3	.....
Norfolk.....	0	1	.....	Janesville.....	0	1	.....
Roanoke.....	0	1	.....	Oshkosh.....	2	1	.....
Washington:				Racine.....	1	1	.....
Bellingham.....	0	1	.....	Stevens Point.....	.....	3	.....
Everett.....	0	1	.....				

## TETANUS.

City.	Cases.	Deaths.
California:		
San Bernardino.....	.....	1
Missouri:		
St. Joseph.....	.....	1
St. Louis.....	1	1
North Carolina:		
Winston-Salem.....	.....	1

## TUBERCULOSIS.

See p. 802; also Current State summaries, p. 790.

## TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight 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 Mar. 24, 1923.		City.	Median for pre- vious years.	Week ended Mar. 24, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Missouri:			
Birmingham.....	1	4	.....	St. Louis.....	2	2	1
Mobile.....	0	1	.....	New York:			
California:				Glens Falls.....	0	2	1
Sacramento.....	0	2	.....	New York.....	6	6	1
District of Columbia:				Olean.....	0	1	.....
Washington.....	1	1	.....	Rochester.....	0	1	1
Florida:				Ohio:			
St. Petersburg.....	.....	.....	1	Canton.....	0	1	.....
Georgia:				Cleveland.....	2	4	.....
Brunswick.....	0	1	.....	Youngstown.....	0	.....	1
Savannah.....	0	1	.....	Pennsylvania:			
Illinois:				Allentown.....	0	1	.....
Chicago.....	5	3	.....	Beaver Falls.....	0	1	.....
Indiana:				Bristol.....	0	1	.....
Hammond.....	0	8	1	Butler.....	0	1	.....
South Bend.....	0	1	.....	Cannonsburg.....	0	1	.....
Kentucky:				Norristown.....	0	1	.....
Covington.....	0	18	.....	Philadelphia.....	4	1	1
Louisville.....	0	2	.....	Scranton.....	0	1	.....
Louisiana:				Shamokin.....	0	1	.....
New Orleans.....	2	2	1	South Carolina:			
Maryland:				Columbia.....	1	1	.....
Baltimore.....	4	6	1	Texas:			
Massachusetts:				El Paso.....	0	1	.....
Boston.....	1	1	.....	Virginia:			
Chelsea.....	0	1	.....	Alexandria.....	0	1	.....
Lawrence.....	0	5	.....	Roanoke.....	0	1	.....
Lowell.....	1	1	.....	Washington:			
Michigan:				Spokane.....	0	5	.....
Detroit.....	3	1	1	West Virginia:			
Holland.....	0	1	.....	Bluefield.....	0	2	.....
Muskegon.....	0	1	.....	Wheeling.....	0	1	.....
Minnesota:							
Minneapolis.....	3	2	.....				
St. Paul.....	0	2	1				

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>Alabama:</b>										
Anniston.....	17,734								2	
Birmingham.....	178,806	59	2	1	85		1		16	
Mobile.....	60,777	21								3
Tuscaloosa.....	11,996				24					
<b>Arkansas:</b>										
Fort Smith.....	28,870				2					
Hot Springs.....	11,695	2								
Little Rock.....	65,142		1		45		1			
North Little Rock.....	14,048				36					
<b>California:</b>										
Alameda.....	28,806	7			2					
Bakersfield.....	18,638	8			3					3
Eureka.....	12,923	7					4		3	
Long Beach.....	55,593	25	2	1	31		1		2	
Los Angeles.....	576,673	220	68	6	189	1	55	1	38	22
Oakland.....	216,261	43	8		68		11		2	2
Pasadena.....	45,354	17	2		10		9		1	
Richmond.....	16,843	2					1			
Riverside.....	19,341	5	1		1					
Sacramento.....	65,908	22	1		4		5		4	
San Bernardino.....	18,721	16			8		1		3	
San Diego.....	74,683	48			76		4		6	5
San Jose.....	39,642	9	1		1		1		1	2
Santa Ana.....	15,485	8			10					
Santa Barbara.....	19,441	6								
Santa Cruz.....	10,917	9								
Stockton.....	40,296	14	3		61		3			1
<b>Colorado:</b>										
Denver.....	256,491	93	22	2	51		20			18
Pueblo.....	43,050	10	3						4	2
<b>Connecticut:</b>										
Bridgport.....	143,555	48	11	2	29	2	10		8	7
Bristol.....	20,620	9	2							1
Fairfield (town).....	11,475	2			15		7		3	1
Hartford.....	138,036	52	15	1			4		7	1
Manchester (town).....	18,370	4			1					
Millford (town).....	10,193	1	1		1		1		1	
New Britain.....	59,316	14	3	1	4		3			
New Haven.....	162,537	56	2		33		6		3	2
New London.....	25,688	7			32					
Stonington (town).....	10,236	1	1		3		1			
Waterbury.....	91,715	33	5		54		10		3	3
<b>District of Columbia:</b>										
Washington.....	437,571	180	9		400	2	19		26	12
<b>Florida:</b>										
Key West.....	18,749	6								1
St. Petersburg.....	14,237	17			1					1
Tampa.....	51,608	16	3		4				2	
<b>Georgia:</b>										
Albany.....	11,555				2					
Atlanta.....	200,616	74	1		1				1	6
Brunswick.....	14,413	3	1							
Macon.....	52,995		3		500					
Rome.....	13,252		1		2		1			
Savannah.....	83,252	33			3		1		2	5
Valdosta.....	10,783	5								
<b>Idaho:</b>										
Boise.....	21,393	3								
Pocatello.....	15,001	4								
<b>Illinois:</b>										
Alton.....	24,682	7	1		13		1			
Aurora.....	36,397	16	3		13		1			2
Bloomington.....	28,725	9	1		3				2	1
Blue Island.....	11,424	6								
Chicago.....	2,701,705	756	101	3	777	8	88	2	169	45
Cicero.....	44,995	9	2		2		3		2	1
Decatur.....	43,818	11			1		2		11	
Elgin.....	27,454	9			14					
Evanston.....	37,234	17			36		2		2	
Galesburg.....	23,834	4			1					
Jacksonville.....	15,713	8					1		4	
Kewanee.....	16,026	10								
La Salle.....	13,050	4	1		2				1	
Mattoon.....	13,552	4	1		2					

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Illinois—Continued.											
Oak Park.....	39,858	11	2		3		6				
Peoria.....	76,121	20			80	1	4				
Quincy.....	35,978	14			1		3				
Springfield.....	59,183	25	4		61	1	1		13	2	
Indiana:											
Anderson.....	29,767	9					2				
Bloomington.....	11,595	4			1						
Crawfordsville.....	10,139	2	1				4				
East Chicago.....	35,967	9	1		4					2	
Elwood.....	10,790	3									
Fort Wayne.....	86,549	22	2	1			4				
Frankfort.....	11,585	4			2					1	
Gary.....	55,378	26	1		19	1	2				
Hammond.....	36,004	13			18		1		2		
Huntington.....	14,000	1									
Indianapolis.....	314,194	120	10	5	73		1		7	4	
Kokomo.....	30,067	10	1				1				
La Fayette.....	22,486	10	2							1	
Logansport.....	21,626	2			10						
Michigan City.....	19,457	5									
Mishawaka.....	15,195	2			2		4		5		
Muncie.....	36,524	9							2		
South Bend.....	70,983	17	1		9		4		3	1	
Terre Haute.....	66,083	35			46		1			1	
Iowa:											
Burlington.....	24,057	7					2				
Cedar Rapids.....	45,566		1				3				
Clinton.....	24,151		1								
Council Bluffs.....	36,162	8									
Davenport.....	56,727						2				
Dubuque.....	39,141				39		2				
Iowa City.....	11,267						6				
Marshalltown.....	15,731						1				
Mason City.....	20,065	7	2								
Muscatine.....	16,063	8			12						
Sioux City.....	71,227		1		2		3				
Waterloo.....	36,230				8		7				
Kansas:											
Coffeyville.....	13,452	2									
Fort Scott.....	10,693	10	1								
Hutchinson.....	23,298						1		1		
Kansas City.....	101,177		3		14		3		5		
Lawrence.....	12,456	3									
Leavenworth.....	16,912		1		2						
Parsons.....	16,028	5					1				
Topeka.....	50,022	20	3		1		2			2	
Wichita.....	72,217	15					2				
Kentucky:											
Covington.....	57,121	15	3				10			1	
Henderson.....	12,160	7								1	
Lexington.....	41,534	25								2	
Louisville.....	234,391	73	8		24				21	6	
Owensboro.....	17,424				5						
Paducah.....	24,735				1		2				
Louisiana:											
New Orleans.....	387,219	153	12	2	11		6		10	12	
Maine:											
Auburn.....	16,985	2					6				
Bangor.....	25,978								1		
Bath.....	14,731	3									
Biddeford.....	18,008	12									
Lewiston.....	31,791	11			2		5		1	1	
Portland.....	69,272	30	1				2			2	
Sanford (town).....	10,691	2									
Waterville.....	13,351						3				
Maryland:											
Baltimore.....	733,826	221	27		243		52		34	26	
Cumberland.....	29,837	15			64				1		
Frederick.....	11,066	5	1								
Massachusetts:											
Adams (town).....	12,967	4									
Amesbury (town).....	10,036	2					1				
Arlington (town).....	18,665	2	1	1	20		1		2		
Attleboro.....	19,731	4			2				3		
Belmont (town).....	10,749	2			4		2		1		

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Beverly.....	22,561	6					1			
Boston.....	748,060	262	70	2	111	2	104	2	36	19
Braintree (town).....	10,580	9			4		4			3
Brookline.....	37,748	12	2		4		7		1	
Cambridge.....	109,694	43	7		46		12		4	2
Chelsea.....	43,184	9			7		4			1
Clinton.....	12,979	4					1		2	
Danvers.....	11,108						1		1	
Dedham.....	10,792	4								
Easthampton.....	11,261						1			
Everett.....	40,120	12	2		8		5		3	1
Fall River.....	120,485	56	2		6		12		6	4
Frammingham.....	17,033	5			1		9			
Gardner.....	16,971	2			1				1	
Greenfield.....	15,462	3								
Haverhill.....	53,884	16	1		7		2			1
Lawrence.....	94,270	33	4		12		1		1	2
Leominster.....	19,744	4	1				1		1	1
Lowell.....	112,759	56	5	1	88	2	4		4	4
Lynn.....	99,148	40	1	2	19	2	5		5	2
Malden.....	49,103	19			14		7		1	
Medford.....	39,038	14	2		2		3		1	1
Melrose.....	18,204	1			2				1	
Methuen.....	15,189	5			2					
Milford.....	13,471	5					16			
Natick.....	10,907		1				11			
New Bedford.....	121,217	42	3		24		2		3	
Newburyport.....	15,618	3	1							
North Adams.....	22,282	3	1							
Northampton.....	21,951	9					5			
Northbridge.....	10,174	1								
Pittsfield.....	41,763	12	1		1		5	1	2	
Plymouth.....	13,045	4								
Quincy.....	47,870	8	11		3		12		1	
Somerville.....	93,091	34	4		21		7		2	1
Southbridge.....	14,245	2	3							
Springfield.....	129,614	27	4		6		11		2	1
Taunton.....	37,137	26			22	2	14	1	2	2
Wakefield.....	13,025	8			14		3			
Waltham.....	30,915	9	2		1		3		3	
Watertown.....	21,457	2	1		2		5		2	
Webster.....	13,258	4					6			1
West Springfield.....	13,443	2								
Westfield.....	18,604	3	1						1	
Weymouth.....	15,057	6								1
Winthrop.....	15,435	2			29					
Woburn.....	16,574	8								1
Worcester.....	179,754		5		34		13		7	3
Michigan:										
Alpena.....	11,101						5			
Ann Arbor.....	19,516	10					3			
Battle Creek.....	36,164	0	3				4			
Benton Harbor.....	12,233	1	1		2					
Detroit.....	993,678	271	57	7	55	2	113	5	56	23
Flint.....	91,599	28	4	1	8		13		5	
Grand Rapids.....	137,634	53	11		5		11		4	6
Hamtramck.....	48,615	9	3	2					1	
Highland Park.....	46,499	13	2		16		4			1
Holland.....	12,183	1					2			
Jackson.....	48,374	17	1		2		11		1	
Kalamazoo.....	48,487	25	9	1			5			1
Marquette.....	12,718	3								
Muskegon.....	36,570	13	1							2
Pontiac.....	34,273	9					4			
Port Huron.....	25,944	11			2		1			
Sault Ste. Marie.....	12,093	3								
Minnesota:										
Duluth.....	98,917	18	5		70		6		3	1
Faribault.....	11,089	4					2			
Hibbing.....	15,089	4			37		5	1		1
Mankato.....	12,469				1					
Minneapolis.....	380,582	95	8	3	101	1	39	1	22	6
Rochester.....	13,722	13			1		2			
St. Cloud.....	15,873								1	
St. Paul.....	231,698	64	14		245	2	38	1	12	9

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>Missouri:</b>										
Cape Girardeau.....	10,252	4			3					
Independence.....	11,686				1		2			
Joplin.....	29,902		1							
Kansas City.....	324,410	102	7		51	1	9	1	5	7
St. Joseph.....	77,939	39			2		4			1
St. Louis.....	772,897	236	40	1	870	1	22		21	18
Springfield.....	39,631	12								2
<b>Montana:</b>										
Anaconda.....	11,668	1					1			
Billings.....	15,100	6					1			
Great Falls.....	24,121	12	2		1		1		2	
Missoula.....	12,668	5					2	1	1	
<b>Nebraska:</b>										
Lincoln.....	54,948	13	1				1			1
Omaha.....	191,601	68	9	1			4			4
<b>Nevada:</b>										
Reno.....	12,016	5					1			
<b>New Hampshire:</b>										
Berlin.....	16,104	2								
Concord.....	22,167	9					2		1	
Dover.....	13,029	3								
Keene.....	11,210	5	1		1		1			
Manchester.....	78,384	30	3		3					
<b>New Jersey:</b>										
Asbury Park.....	12,400	3			2		1		1	
Atlantic City.....	50,707	19	2		16		1			
Bayonne.....	76,754		3						3	
Belleville.....	15,660				7		3		1	
Bloomfield.....	22,019	4	1		2		4			
Clifton.....	26,470	6	1		3		1	1	2	1
East Orange.....	50,710	9			22		3		1	
Elizabeth.....	95,783		14	1	22		9		2	
Englewood.....	11,627	3			9		2			
Garfield.....	19,381	7	2		1		3		1	
Hackensack.....	17,667	5			1		2			
Harrison.....	15,721		1		10				3	
Hoboken.....	68,166	20	5	1	3		2		4	
Jersey City.....	298,103		11		4		14		8	
Kearny.....	26,724	10			49		1			1
Long Branch.....	13,521	3	1				2			
Montclair.....	28,810	5			9		1			
Morristown.....	12,548	6	1				2			
Newark.....	414,524	113	16		200	1	12		26	4
Orange.....	33,268	8	1		29		3		3	
Passaic.....	63,841	17	1	1	18		3		2	1
Perth Amboy.....	41,707	8	4				9		1	1
Phillipsburg.....	16,923	4								
Plainfield.....	27,700	6			6		1			
Summit.....	10,174	5	1							
Trenton.....	119,289	39	16	3	1		11	1	4	1
West Hoboken.....	40,074	9			1		6		1	
West New York.....	29,926	4	2		10					
West Orange.....	15,573	3					3		1	1
<b>New Mexico:</b>										
Albuquerque.....	15,157	12					1		2	5
<b>New York:</b>										
Albany.....	113,344		1		1		8		7	
Amsterdam.....	33,524	9	2	1					2	
Auburn.....	36,192	8			8					
Buffalo.....	506,775	140	16		403	3	37	1	21	8
Cohoes.....	22,987	6								
Cortland.....	13,294	5	1				4			
Dunkirk.....	19,336	5					1			1
Elmira.....	45,393		2		2		2		2	1
Geneva.....	14,648	1								
Glens Falls.....	16,638	8							2	
Hornell.....	15,025	5								
Hudson.....	11,745	4							3	1
Ithaca.....	17,004	9					3			
Jamestown.....	38,917	12	3		2		1			
Lackawanna.....	17,918	3					2			
Little Falls.....	13,029	6								
Lockport.....	21,308	2							1	
Middletown.....	18,420				13				3	

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
New York—Continued.											
Mount Vernon.....	42,726	11	4	.....	1	.....	.....	.....	2	2	
New York.....	5,620,048	1,567	158	10	349	4	324	4	1,246	110	
Newburgh.....	30,366	9	1	.....	.....	.....	1	.....	1	.....	
Olean.....	20,506	10	.....	.....	65	1	22	1	.....	.....	
Peekskill.....	15,888	7	.....	.....	20	.....	2	.....	1	.....	
Plattsburg.....	10,909	5	.....	.....	.....	.....	.....	.....	.....	.....	
Port Chester.....	16,573	.....	.....	.....	.....	.....	1	.....	.....	.....	
Poughkeepsie.....	35,000	8	2	.....	.....	.....	1	.....	1	.....	
Rochester.....	295,750	86	16	1	57	.....	2	.....	12	8	
Rome.....	26,341	14	.....	.....	2	.....	4	.....	.....	3	
Saratoga Springs.....	13,181	4	.....	.....	.....	.....	.....	.....	1	.....	
Schenectady.....	88,723	33	1	.....	4	1	10	1	3	1	
Syracuse.....	171,717	54	6	.....	14	.....	24	1	2	1	
Troy.....	72,013	28	3	1	.....	.....	1	.....	5	2	
Watertown.....	31,285	15	.....	.....	2	.....	2	.....	2	1	
White Plains.....	21,031	6	.....	.....	1	.....	9	.....	1	1	
Yonkers.....	100,176	29	4	.....	5	.....	9	.....	.....	1	
North Carolina:											
Durham.....	21,719	8	.....	.....	93	.....	.....	.....	4	.....	
Greensboro.....	19,861	16	.....	.....	2	.....	2	.....	.....	3	
Raleigh.....	24,418	9	2	.....	106	.....	.....	.....	.....	1	
Rocky Mount.....	12,742	4	.....	.....	.....	.....	.....	.....	.....	.....	
Wilmington.....	33,372	8	.....	.....	.....	.....	1	.....	.....	.....	
Winston-Salem.....	48,395	18	.....	.....	2	.....	.....	.....	7	4	
North Dakota:											
Fargo.....	21,961	.....	6	1	.....	.....	.....	.....	.....	.....	
Ohio:											
Akron.....	208,435	33	7	.....	21	.....	9	.....	3	.....	
Barberton.....	18,811	4	.....	.....	4	.....	5	.....	.....	1	
Bucyrus.....	10,425	5	.....	.....	4	1	2	.....	2	.....	
Cambridge.....	13,104	3	.....	.....	4	.....	1	.....	1	.....	
Canton.....	87,091	19	3	.....	29	.....	1	.....	.....	1	
Chillicothe.....	15,831	6	.....	.....	10	.....	.....	.....	.....	.....	
Cincinnati.....	401,247	129	10	.....	21	.....	8	.....	22	10	
Cleveland.....	796,841	186	28	.....	242	1	110	2	34	10	
Cleveland Heights.....	15,236	.....	.....	.....	42	.....	3	.....	1	.....	
Columbus.....	237,031	74	6	.....	138	3	8	.....	3	6	
Coshocton.....	10,847	.....	1	.....	.....	.....	.....	.....	.....	.....	
Dayton.....	152,559	50	5	.....	6	.....	8	.....	1	.....	
East Cleveland.....	27,292	9	.....	.....	75	.....	6	.....	3	.....	
East Youngstown.....	11,237	5	.....	.....	.....	.....	.....	.....	.....	.....	
Findlay.....	17,021	8	.....	.....	54	2	.....	.....	.....	.....	
Fremont.....	12,468	4	.....	.....	1	.....	.....	.....	.....	.....	
Hamilton.....	39,675	13	2	.....	3	.....	2	.....	.....	1	
Kenmore.....	12,683	1	.....	.....	.....	.....	3	.....	1	.....	
Lancaster.....	14,706	5	.....	.....	2	.....	.....	.....	.....	.....	
Lorain.....	37,295	.....	4	.....	46	.....	9	1	1	.....	
Mansfield.....	27,824	17	.....	.....	14	.....	.....	.....	1	2	
Marion.....	27,891	.....	.....	.....	4	.....	.....	.....	.....	.....	
Martins Ferry.....	11,634	5	.....	.....	.....	.....	.....	.....	.....	.....	
Middletown.....	23,594	8	.....	.....	8	1	.....	.....	.....	.....	
New Philadelphia.....	10,718	.....	1	.....	.....	.....	1	.....	.....	.....	
Newark.....	26,718	11	.....	.....	26	.....	1	.....	.....	1	
Niles.....	13,080	2	4	.....	13	.....	1	.....	1	.....	
Norwood.....	24,966	5	.....	.....	1	.....	1	.....	.....	.....	
Piqua.....	15,044	5	1	.....	.....	.....	.....	.....	.....	.....	
Salem.....	10,305	3	.....	.....	.....	.....	.....	.....	1	.....	
Sandusky.....	22,897	4	1	.....	28	.....	1	.....	.....	.....	
Springfield.....	60,840	18	2	.....	206	1	4	.....	2	1	
Steubenville.....	28,508	8	1	.....	.....	.....	.....	.....	1	.....	
Tiffin.....	14,375	5	.....	.....	.....	.....	.....	.....	1	.....	
Toledo.....	243,164	78	6	.....	45	1	20	1	1	6	
Youngstown.....	132,358	39	13	1	50	2	8	.....	3	4	
Zanesville.....	29,569	13	.....	.....	1	.....	.....	.....	1	.....	
Oklahoma:											
Oklahoma.....	91,295	26	2	.....	2	.....	5	.....	.....	.....	
Oregon:											
Portland.....	258,288	71	2	.....	2	.....	2	.....	8	3	
Pennsylvania:											
Allentown.....	73,502	.....	8	.....	112	.....	13	.....	2	.....	
Altoona.....	60,331	.....	1	.....	52	.....	4	.....	.....	.....	
Ambridge.....	12,730	.....	1	.....	2	.....	1	.....	.....	.....	
Beaver Falls.....	12,802	.....	.....	.....	3	.....	1	.....	.....	.....	

¹ Pulmonary only.

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Berwick	12,181						1			
Bethlehem	50,353		2		69		3		3	
Braddock	20,879		1		3		1		1	
Bradford	15,525		1		7					
Butler	23,778		2		38		2			
Canonsburg	10,632								1	
Carlisle	10,916				1					
Carrick	10,504				3					
Chambersburg	13,171				2		2			
Charleroi	11,516		1		5					
Chester	58,030				17		3		1	
Coatesville	14,515				2				9	
Columbia	10,836		4		31					
Connellsville	13,804				6					
Dickson	11,049		1							
Donora	14,131				16		1			
Dubois	13,631		2				2			
Duquesne	19,011				2					
Easton	33,813		2		23		6			
Erie	93,372		4		6		4		4	
Farrell	15,586				6		2			
Greensburg	15,033		1		1		1			
Harrisburg	75,917		4		90		5			
Hazleton	32,277		2		1		2			
Homestead	20,452		1		6					
Jeannette	10,627				25					
Johnstown	67,327		3		16		13			
Lancaster	53,150		3		75		3			
Lebanon	24,643		2		3		1			
McKee's Rocks	16,713		4		13					
McKeesport	46,781		1		7					
Mahanoy City	15,599		2		2					
Monessen	18,179				1					
Mount Carmel	17,469								1	
Nanticoke	22,614				5					
New Castle	44,938						2			
New Kensington	11,987				6				1	
Norristown	32,319		3		3		1			
North Braddock	14,928				3				3	
Oil City	21,274				105					
Philadelphia	1,823,779	608	94	11	228	11	69	2	94	49
Phoenixville	10,494				3					
Pittsburgh	588,343		19		352		27		10	
Pittston	18,497				2					
Pottstown	17,431				25					
Pottsville	21,876				15					
Punxsutawney	10,311		3							
Reading	107,784		4		50					
Scranton	137,783		2		24		3		3	
Shamokin	21,204				4					
Sharon	21,747				58					
Shenandoah	24,726		3							
Steelton	13,428				2				1	
Sunbury	15,721		4		5					
Swissvale	10,908		1		3		1			
Tamaqua	12,363		2		7					
Uniontown	15,692		1		53		1			
Washington	21,480				1		1			
West Chester	11,717		1		9		1			
Wilkes-Barre	73,833		1		8				1	
Wilkinsburg	24,403				36					
Williamsport	36,198		1				1			
Woodlawn	12,495				6					
York	47,512		2		49		4		1	
Rhode Island:										
Cranston	29,407	2	1		4		1			
Cumberland (town)	10,077	2								
Newport	30,255	7	1		12		1			
Pawtucket	64,248	26			29		1			2
Providence	237,595	90	7	1	202	7	3		1	6
South Carolina:										
Charleston	67,957	21								2
Columbia	37,524	23								1
Greenville	23,127	13								1

## CITY REPORTS FOR WEEK ENDED MARCH 24, 1923—Continued.

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

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
South Dakota:										
Sioux Falls.....	25,202	6	1				5			
Tennessee:										
Memphis.....	162,351	68	10	2	104	1	4		15	4
Nashville.....	118,342	70			178				3	1
Texas:										
Amarillo.....	15,494						1			
Austin.....	34,876	11	2		30				1	
Beaumont.....	40,422	18	1		1	1				2
Corpus Christi.....	10,522	3	1							
Dallas.....	158,976	47	3				6		5	4
El Paso.....	77,560	43	3		98	6	1			11
Fort Worth.....	106,482	44	3				1		5	5
Galveston.....	44,255	17			5					
Houston.....	138,276	41	4				2			6
San Antonio.....	161,379	75	5		2					8
Waco.....	38,500	20	1		28	1	1			
Utah:										
Salt Lake City.....	118,110	52	2		7		2		2	4
Vermont:										
Barre.....	10,008						1			
Burlington.....	22,779	7								1
Rutland.....	14,954	4								1
Virginia:										
Alexandria.....	18,060	4			1		1		2	
Charlottesville.....	10,688	3								
Danville.....	21,539	6			5		1		7	
Lynchburg.....	30,070	13	1		134	1	1			2
Norfolk.....	115,777		2		35				5	5
Petersburg.....	31,012	8			6		1		2	
Portsmouth.....	54,387	14			6					
Richmond.....	171,667	60	1		83		1		12	9
Roanoke.....	50,842	19			155	2	1			2
Washington:										
Aberdeen.....	15,337		1							
Everett.....	27,644				1					
Seattle.....	315,312		2		1		10			
Spokane.....	104,437		5		2		10			
Tacoma.....	96,965		4				4			
Vancouver.....	12,637		1							
West Virginia:										
Bluefield.....	15,282	6			19		1			
Charleston.....	39,608	15			2		1			
Clarksburg.....	27,869	4			9					
Fairmont.....	17,851		1				4		1	
Huntington.....	50,177	21			7					2
Martinsburg.....	12,515				5					
Morgantown.....	12,127				60					
Moundsville.....	10,669	4	1							
Parkersburg.....	20,050	9			1					
Wheeling.....	56,208	21	3		105	1	3		6	1
Wisconsin:										
Appleton.....	19,561	8								
Beloit.....	21,284	5					9			
Eau Claire.....	20,906						1			
Fond du Lac.....	23,427	10					2		1	2
Green Bay.....	31,017		2	1	5		4	2		
Janesville.....	18,203	2	4		36		1			
Kenosha.....	40,472	13	1		34				1	
La Crosse.....	30,421		2		18		2			
Madison.....	38,378	5			187		2		1	
Marinette.....	13,610	2								
Milwaukee.....	457,147	133	26	2	104		213	4	12	9
Oshkosh.....	33,162	13					4			
Racine.....	58,593	19	1	1	66		11		4	
Sheboygan.....	30,955	9	3		16					
Stevens Point.....	11,371				15		1			
Superior.....	39,671	7			14		3			
Waukesha.....	12,558		1		18		1			
Wausau.....	18,661		1		22					
West Allis.....	13,745		1		1		3			
Wyoming:										
Cheyenne.....	13,829	6							1	1



## **FOREIGN AND INSULAR.**

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### **ARGENTINA.**

#### **Plague—Rosario.**

Information dated February 27, 1923, shows the occurrence at Rosario, Argentina, during the preceding 17 days, of eight cases of plague with three deaths. The disease was stated to be confined to one small section of the city.

Isolated cases of plague were stated not to be unusual at Rosario and in the northern interior provinces of Argentina, among Syrians and Turks.

### **AUSTRALIA.**

#### **Anthrax—Albury.**

Under date of January 31, 1923, a case of anthrax was reported at Albury, a locality on the border between the States of New South Wales and Victoria, Australia. The patient was stated to have purchased a shaving brush from a dealer and to have used it twice before developing symptoms of anthrax. In his statement to the authorities he alleged that the day following the second use of the shaving brush he noticed an irritation and swollen pimple on his lower lip. The infection of the brush was verified. A guinea pig inoculated with washings from the brush died of anthrax and anthrax bacilli were reported demonstrated in smears. The patient recovered.

### **AZORES.**

#### **Plague—Fayal and St. Michael.**

Plague has been reported in the Azores as follows: Island of Fayal, two cases at Castelo Branco during the week ended March 18, 1923; one case at Horta, reported March 23, of actual occurrence about two weeks previous to report. St. Michael Island, February 4 to 24, 1923, 18 cases with 11 deaths, occurring in vicinity of port of Ponta Delgada.

### **BRAZIL.**

#### **Yellow Fever—Bahia.**

During the week ended February 24, 1923, four cases of yellow fever with one death were reported at Bahia, Brazil.

## CANADA.

## Lethargic Encephalitis—Regina, Saskatchewan.

During the period February 11 to March 24, 1923, five deaths from lethargic encephalitis, of which four occurred in nonresidents, were reported at Regina, Saskatchewan, Canada.

Typhoid Fever—Cochrane—Ontario.<sup>1</sup>

Increased prevalence of typhoid fever was reported at Cochrane, Ontario, March 25, 1923, with 300 cases present. No mortality was reported. Emergency hospitals have been established and nurses brought from Toronto. (Estimated population, 4,000.)

## CELEBES (MALAY ARCHIPELAGO).

## Plague—Macassar.

Under date of February 15, 1923, plague was reported present at Macassar, Celebes Island, Malay Archipelago, in bubonic form and epidemic in pneumonic form.

## CUBA.

## Communicable Diseases.

Communicable diseases have been notified in Cuba as follows:

## NEW CASES REPORTED FEBRUARY 11-20, 1923.

Province.	Chicken pox.	Diph- theria.	Infantile tetanus.	Malaria.	Measles.	Para- typhoid fever.	Scarlet fever.	Typhoid fever.
Camaguey.....				9				2
Habana.....	15	5		16	2		3	11
Matanzas.....	4							5
Oriente.....	13	3		84				21
Pinar del Rio.....				1		1		4
Santa Clara.....	26	3		2	2	1		7
Total.....	58	11		112	4	2	3	40

## NEW CASES REPORTED FEBRUARY 21-28, 1923.

Camaguey.....				13				4
Habana.....	6	7		12			2	6
Matanzas.....	4						1	6
Oriente.....	26			49				9
Pinar del Rio.....						3		3
Santa Clara.....	3	4	1	4			1	8
Total.....	39	11	1	78		3	4	36

## DANZIG (FREE CITY).

## Typhus Fever.

During the week ended February 24, 1923, a case of typhus fever was reported at Danzig in the person of a traveler arriving from Poland.

<sup>1</sup> Public Health Reports, April 6, 1923, p. 763.

**DOMENICA (WEST INDIES).****Smallpox (Reported as Alastrim).<sup>1</sup>**

Under date of February 26, 1923, smallpox (reported as alastrim) was stated to be present in the Island of Domenica, with several thousand cases.

**ESTHONIA.****Communicable Diseases—January, 1923.**

Communicable diseases were reported in the Republic of Esthonia during the month of January, 1923, as follows:

Disease.	Cases.	Disease.	Cases.
Diphtheria.....	69	Tuberculosis.....	216
Measles.....	165	Typhoid fever.....	68
Scarlet fever.....	122	Typhus fever.....	12
Smallpox.....	16		

<sup>1</sup> Recurrent typhus cases, 4; paratyphus fever cases, 2.

Population, officially estimated, 1,109,479.

**GREECE.****Lethargic Encephalitis—Kalamata.**

During the four-week period ended February 13, 1923, three deaths from lethargic encephalitis were reported at Kalamata, Greece.

**GUADELOUPE (WEST INDIES).****Smallpox (Reported as Alastrim).<sup>2</sup>**

Information received under date of February 26, 1923, shows the continued existence of smallpox (reported as alastrim) in the island of Guadeloupe, West Indies, occurring among the colored population.

**MARTINIQUE (WEST INDIES).****Smallpox (Reported as Alastrim)—Quarantine Against Martinique.**

Smallpox (reported as alastrim) was stated to be present, March 31, 1923, with a few cases, on the island of Martinique, West Indies. The British islands were stated to have quarantined against Martinique.

**MEXICO.****Fatal Case of Fever—Tuxtepec.**

The following telegram was received April 6, 1923, from a Public Health Service officer on duty in Mexico, with regard to a fatal case of fever at Tuxtepec, Mexico:

"A case of yellow fever diagnosed by local physician at Tuxtepec, Oaxaca, and patient died. Case investigated by Doctor Connor and declared by him to be blackwater fever."

<sup>1</sup> Public Health Reports, January 26, 1923, p. 174.

<sup>2</sup> Public Health Reports, January 26, 1923, p. 174; February 2, 1923, p. 224; March 30, 1923, p. 712.

## PANAMA CANAL.

## Prohibited Importations on Account of Foot-and-Mouth Disease—Canal Zone—Colon—Panama.

Prohibition of entry into the Canal Zone and the cities of Colon and Panama, either permanently or for transshipment, was declared effective March 14, 1923, as regards—

Horses, mules, asses, cattle, sheep, swine, and goats, unless accompanied by American consular certificate that they have not come from a locality where foot-and-mouth disease prevails or that they be subjected after arrival to such disinfection as the chief quarantine officer may direct; chickens, or any other domesticated fowls; hay, grain, straw, or goods packed in grass, hay, or straw, from the Republics of Guatemala, Salvador, Honduras, Nicaragua, and Costa Rica.

## POLAND.

## Communicable Diseases—December 3-23, 1922.

Communicable diseases have been notified in Poland as follows:

WEEK ENDED DECEMBER 9, 1922.

Disease.	Cases.	Deaths.	Locality of highest mortality. (District and city.)
Cerebrospinal meningitis.....	6	3	
Diphtheria.....	73	10	Kielce.
Measles.....	822	44	Warsaw City.
Scarlet fever.....	207	39	Do.
Smallpox.....	18	2	Lwow.
Tuberculosis.....	75	169	Lwow; Warsaw City.
Typhoid fever.....	209	26	Lwow.
Typhus fever.....	223	9	Lwow; Stanislawow.
Typhus fever, recurrent.....	196	5	Nowogrodek.
Whooping cough.....	196	17	Lwow.

WEEK ENDED DECEMBER 16, 1922.

Cerebrospinal meningitis.....	14	6	Lodz.
Diphtheria.....	96	9	Silesia.
Measles.....	839	26	Lwow.
Scarlet fever.....	224	19	Stanislawow.
Smallpox.....	4		
Tuberculosis.....	85	169	Lwow.
Typhoid fever.....	209	24	Lodz.
Typhus fever.....	199	8	Lwow.
Typhus fever, recurrent.....	145	2	Nowogrodek.
Whooping cough.....	95	7	Warsaw City.

WEEK ENDED DECEMBER 23, 1922.

Cerebrospinal meningitis.....	11	5	Silesia.
Diphtheria.....	88	7	Lwow; Silesia.
Measles.....	396	15	Kielce; Warsaw City.
Scarlet fever.....	193	24	Stanislawow.
Smallpox.....	7		
Tuberculosis.....	80	193	Warsaw City.
Typhoid fever.....	254	27	Lodz; Warsaw City.
Typhus fever.....	179	12	Eastern borders.
Typhus fever, recurrent.....	146	4	Nowogrodek.
Whooping cough.....	193	24	

## RUSSIA.

Communicable Diseases—Moscow—January, 1923 (Comparative).<sup>1</sup>

The following statement shows the number of communicable diseases treated in epidemic hospitals in the city of Moscow, January, 1923, and January, 1922.

Disease.	January, 1923.	January, 1922.	Remarks.
Chicken pox.....	126	63	
Cholera.....	1	.....	
Diphtheria.....	73	76	
Influenza.....	695	215	
Relapsing fever.....	345	1,005	
Scarlet fever.....	320	230	
Smallpox.....	10	67	
Typhoid fever.....	77	124	
Typhus fever.....	290	2,240	Undetermined, 38 and 214 cases, respectively.

Plague—December 2, 1922–February 16, 1923—Kirghiz Republic.<sup>1</sup>

During the period December 2, 1922, to February 16, 1923, 116 cases of pneumonic plague were reported in the Kirghiz Republic, Russian Federation. The occurrence was distributed in two out of the six governments of the Republic.

## UNION OF SOUTH AFRICA.

## Smallpox—Typhus Fever—January, 1923.

Smallpox and typhus fever were reported in the Union of South Africa, during the month of January, 1923, as follows: *Smallpox*—18 cases with 1 death among the colored population and 4 cases in the white population. *Typhus fever*—587 cases with 65 deaths, colored population, and 10 cases with 1 death, white population. For distribution of occurrence according to States of the Union, see pages 815 and 816.

<sup>1</sup> From information dated February 26, 1923, appearing in the Epidemiological Report of the Health Section, League of Nations, Mar. 22, 1923.

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

The reports contained in the following tables must not be considered as complete or final as regards either the list of countries included or the figures for the particular countries for which reports are given.

**Reports Received During Week Ended April 13, 1923.<sup>1</sup>****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India.....				Jan. 14-20, 1923: Cases, 570; deaths, 344.
Bombay.....	Feb. 4-10.....	2	2	
Calcutta.....	Feb. 4-17.....	70	48	
Madras.....	Feb. 18-24.....	3	2	
Rangoon.....	Feb. 11-17.....	1	1	
Russia:				
Moscow.....	Jan. 1-31.....	1		

**PLAGUE.**

Argentina:				
Rosario.....	Feb. 10-27.....	8	3	
Azores:				
Fayal—				
Castelo Branco.....	Mar. 12-18.....	2		
Horta.....	Mar. 23.....	1		Actual occurrence about Mar. 6, 1923.
St. Michael.....				Feb. 4-24, 1923: Cases, 18; deaths, 11. In vicinity of Ponta Delgada.
Celebes (Malay Archipelago):				
Macassar.....				Feb. 15, 1923: Bubonic; present; pneumonic, epidemic.
Egypt:				
City—				Jan. 1-Mar. 8, 1923: Cases, 27; deaths, 17.
Port Said.....	Mar. 1-5.....	1	1	
Suez.....	Mar. 2.....	1	1	
Province—				
Assiout.....	Mar. 1-8.....	6	3	Pneumonic, 2 cases.
Kena.....	Mar. 8.....	1	1	Pneumonic, 1 death.
India:				
Bombay.....	Feb. 4-10.....	16	13	Feb. 4-10, 1923: Cases, 6,470; deaths, 5,075.
Calcutta.....	Feb. 11-17.....	1	1	
Karachi.....	Feb. 18-24.....	4	2	
Madras Presidency.....	do.....	488	373	
Rangoon.....	Feb. 11-17.....	32	20	
Iraq (Mesopotamia): <sup>2</sup>				
Bagdad.....	Jan. 1-31.....	3		
Russia:				
Kirghiz Republic.....				Dec. 2, 1922-Feb. 16, 1923: Cases, 116 (pneumonic); occurring in two out of six Governments.
Senegal:				
Dakar.....	Feb. 1-28.....	2	2	

**SMALLPOX.**

Canada:				
Alberta—				
Calgary.....	Mar. 4-10.....	1		
Ontario—				
Ottawa.....	Mar. 18-24.....	1		
China:				
Antung.....	Feb. 26-Mar. 4.....	1		Present.
Chungking.....	Feb. 4-10.....			Reported from foreign office.
Tientsin.....	Feb. 18-24.....	1		Feb. 26, 1923: Present with several thousand cases (estimated). Reported as alasttrim.
Domenica (West Indies).....				Jan. 1-31, 1923: Cases, 16.
Estonia.....				
Greece:				
Kalamata.....	Jan. 13-Feb. 13.....		1	
Patras.....	Feb. 4-17.....		74	
Guadeloupe (West Indies).....				Feb. 26, 1923: Present. Reported as alasttrim.
Guatemala:				
Guatemala City.....	Feb. 23.....			Present.

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

<sup>2</sup> Formerly appearing as Mesopotamia.

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

**Reports Received During Week Ended April 13, 1923—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				Jan. 14-20, 1923: Cases, 1,783; deaths, 420.
Bombay.....	Feb. 4-10.....	17	6	
Calcutta.....	Feb. 4-17.....	37	22	
Karachi.....	Feb. 18-24.....	4	2	
Madras.....	do.....	24	3	
Rangoon.....	Feb. 11-17.....	16	11	
Iraq (Mesopotamia): <sup>1</sup>				
Bagdad.....	Jan. 1-31.....	32	20	
Jamaica.....				Dec. 31, 1922-Mar. 10, 1923: Cases, 393. (Previously reported as alastrim.)
Java:				
East Java—				
Soerabaya.....	Feb. 4-10.....	2		
West Java—				
Batavia.....	Feb. 3-16.....	4		Province.
Martinique.....				Mar. 31, 1923: Present. Reported as alastrim.
Mexico:				
Guadalajara.....	Feb. 1-23.....	39	8	
Mexico City.....	Feb. 18-Mar. 3.....	61		
Persia:				
Tabriz.....	Dec. 18-31.....		2	
Poland.....				Dec. 3-23, 1922: Cases, 29; deaths, 2.
Portugal:				
Lisbon.....	Feb. 19-Mar. 3.....	17	3	
Rumania:				
Chisinau.....	Jan. 1-31.....	17		
Russia:				
Moscow.....				Jan. 1-31, 1923: Cases treated in hospital, 10.
Spain:				
Valencia.....	Mar. 4-10.....	4	1	
Switzerland:				
Basel.....	Feb. 25-Mar. 3.....	3		
Berne.....	do.....	25		
Zurich.....	do.....	1		
Union of South Africa.....				Jan. 1-31, 1923: Cases, 22 (colored, 18, white, 4); deaths, 1 (colored).
Cape Province.....				Jan. 1-31, 1923: Cases, 14 (colored, 10, white, 4).
Do.....	Feb. 4-10.....			Outbreaks.
Natal.....				Jan. 1-31, 1923: Cases, 4; deaths, 1 (colored).
Do.....	Feb. 4-10.....			Outbreaks.
Orange Free State.....				Jan. 1-31, 1923: Cases, 3 (colored).
Transvaal.....				Jan. 1-31, 1923: Cases, 1 (colored).
Do.....	Feb. 4-10.....			Outbreaks.

## **TYPHUS FEVER.**

Austria:				
Vienna.....	Jan. 7-17.....	1		
Brazil:				
Porto Alegre.....	Feb. 25-Mar. 3.....		3	
China:				
Manchuria—				
Harbin.....	Feb. 12-18.....	3		
Danzig (Free City).....	Feb. 18-24.....	1		In person arrived from Poland.
Egypt:				
Alexandria.....	Feb. 26-Mar. 4.....	1		
Cairo.....	Jan. 1-7.....	3	1	
Estonia.....				Jan. 1-31, 1923: Cases, 2. Recurrent typhus, cases, 4.
Greece:				
Patras.....	Feb. 4-17.....		4	
Mexico:				
Mexico City.....	Feb. 18-Mar. 3.....	31		Including municipalities in Federal District.
Persia:				
Tabriz.....	Dec. 18-31.....		3	
Poland.....				Dec. 3-23, 1922: Cases, 501; deaths, 29. Recurrent typhus: Cases, 488; deaths, 11.
Rumania:				Recurrent typhus, cases, 33.
Chisinau.....	Jan. 1-31.....	71		

<sup>1</sup> Formerly appearing as Mesopotamia.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received During Week Ended April 13, 1923—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Moscow.....	do.....	290		Undetermined, cases, 38.
Union of South Africa.....				Jan. 1-31, 1923: Total—Cases, 597; deaths, 66. (Colored, 587 cases, 65 deaths; white, 10 cases, 1 death.)
Cape Province.....				Jan. 1-31, 1923: Colored—cases, 513; deaths, 54; white—6 cases.
Do.....	Feb. 11-17.....			Outbreaks.
Natal.....				Jan. 1-31, 1923: Colored—cases, 19; deaths, 1; white—1 case.
Do.....	Feb. 4-17.....			Outbreaks.
Orange Free State.....				Jan. 1-31, 1923: Colored—cases, 37; deaths, 5; white—cases, 1.
Do.....	Feb. 4-17.....			Outbreaks.
Transvaal.....				Jan. 1-31, 1923: Colored—cases, 18; deaths, 5; white—cases, 2, 1 death.
Do.....	Feb. 11-17.....			Outbreaks.

**YELLOW FEVER.**

Brazil:				
Bahia.....	Feb. 18-21.....	4	1	
Mexico:				
Tampico.....	Jan. 15.....	1		Reported on bills of health.

**Reports Received from December 30, 1922, to April 6, 1923.<sup>1</sup>****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Liutaoku.....	Sept. 22.....	60	20	
Chosen (Korea):				
Yalu River Region.....				Sept. 22, 1922; 30 deaths reported.
India:				Sept. 24-Dec. 30, 1922: Cases, 14,637; deaths, 8,533. Dec. 31, 1922-Jan. 13, 1923: Cases, 2,061; deaths, 1,209.
Bombay.....	Oct. 27-Dec. 23.....	2	1	
Calcutta.....	Nov. 12-Dec. 30.....	102	60	
Do.....	Dec. 31-Feb. 3.....	114	76	
Madras.....	Nov. 19-Dec. 16.....	4	2	
Do.....	Jan. 21-Feb. 17.....	6	2	
Rangoon.....	Nov. 12-Dec. 23.....	17	10	
Do.....	Dec. 31-Jan. 27.....	3	2	
Philippine Islands:				
Province—				
Laguna.....	Oct. 12-18.....	1		
Russia:				
Archangel (Government).....	Oct. 1-7.....	7		Jan. 1-Oct. 7, 1922: Cases, 83,367.
Tashkent.....	do.....	27		Turkestan Republic: 3 cases reported on waterways.
Ukraine.....				Sept. 1-30, 1922: Cases, 119.
Donetz (Government).....	Sept. 1-30.....	29		
Tehermigov (Government).....	do.....	36		
Siam:				
Bangkok.....	Oct. 29-Dec. 23.....	4	1	
Do.....	Dec. 31-Jan. 27.....	3		

<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 from December 30, 1922, to April 6, 1923—Continued.**

## **PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Azores:</b>				
Fayal Island—				
Castelo Branco.....	Dec. 2-31.....		3	Vicinity of Horta. Dec. 30, 1922: Several cases.
Pico Island—				1 case present Dec. 15, 1922.
Lages.....	Nov. 27-Dec. 15.....		8	Nov. 12-Dec. 30, 1922: Cases, 100; deaths, 35. At localities 3-9 miles from Ponta Delgada.
St. Michael Island.....				Dec. 31, 1922-Feb. 3, 1923: Cases, 108; deaths, 41. From 6 to 20 miles distant from port of Ponta Delgada.
Ponta Delgada.....	Nov. 26-Dec. 9.....	3		
<b>Brazil:</b>				
Bahia.....	Oct. 29-Dec. 30.....	5	5	
Do.....	Jan. 28-Feb. 3.....	1	1	
Pernambuco.....	Jan. 14-20.....	3	2	
Porto Alegre.....	Nov. 19-25.....	1		
<b>British East Africa:</b>				
Kenya Colony—				
Tanganyika Territory..	Oct. 15-Dec. 16....	12	7	
Do.....	Jan. 14-20.....	7	6	
Uganda.....	Dec. 1-31.....	141	129	
Entebbe.....	Nov. 24-30.....	211	202	
<b>Ceylon:</b>				
Colombo.....	Nov. 12-Dec. 30....	46	38	Plague rodents, 16.
Do.....	Dec. 31-Feb. 17....	51	40	Plague rodents, 17.
<b>Chile:</b>				
Antofagasta.....				Quarantine. Year, 1922: March, 1 case; May, 1 case.
<b>China:</b>				
Hongkong.....	Nov. 5-Dec. 23.....	14	12	
Do.....	Dec. 31-Jan. 6.....	1		
Manchuria—				
Harbin.....	Jan. 29-Feb. 4.....	7		
<b>Ecuador:</b>				
Guayaquil.....	Nov. 1-Dec. 31.....	9	3	Rats examined, 16,600; found infected, 72.
Do.....	Jan. 1-Feb. 28.....	18	5	Rats examined, 17,900; found infected, 83.
<b>Egypt:</b>				
City—				Jan. 1-Dec. 28, 1922: Cases, 485; deaths, 228. Jan. 1, 1922-Jan. 4, 1923: Cases, 487; deaths, 228.
Alexandria.....	Nov. 19-25.....	2		Jan. 1-Mar. 1, 1923: Cases, 17; deaths, 16.
Do.....	Jan. 8-10.....	1	1	
Port Said.....	Nov. 19-27.....	4	2	
Do.....	Jan. 26.....	1		
Suez.....	Nov. 18-Dec. 5.....	3	4	
Province—				
Assiout.....	Nov. 19-Dec. 29....	4	1	Septicemic: 1 case, 1 death.
Do.....	Jan. 26-Feb. 27....	8	6	Pneumonic: 4 cases, 4 deaths; septicemic, 1 case, 1 death.
Dakahlieh.....	Dec. 3.....	1	1	Pneumonic.
Minieh.....	Nov. 18-27.....	2	1	
Do.....	Feb. 24.....		1	
<b>Hawaii:</b>				
Honokaa.....				Feb. 8-9, 1923: Plague rats, 3.
<b>India:</b>				
Bombay.....	Oct. 27-Dec. 30....	41	32	Oct. 1-Dec. 30, 1922: Cases, 25,000; deaths, 18,803. (Report for Nov. 19-25, 1922, not received.)
Do.....	Dec. 31-Feb. 3.....	28	21	Dec. 31, 1922-Feb. 3, 1923: Cases, 25,149; deaths, 19,631.
Karachi.....	Dec. 10-16.....	1	1	
Do.....	Dec. 31-Feb. 17....	9	8	
Madras Presidency.....	Nov. 19-Dec. 30....	2,269	1,448	
Do.....	Dec. 31-Feb. 17....	2,878	2,171	
Madras.....	Nov. 19-25.....	1	1	
Do.....	Jan. 21-27.....	1	1	
Rangoon.....	Nov. 12-Dec. 30....	52	49	
Do.....	Dec. 31-Feb. 10....	90	79	
<b>Japan:</b>				
Osaka.....				July 1-Nov. 30, 1922: Cases, 70.
<b>Java:</b>				Oct. 1-Nov. 3, 1922: Cases, 900; deaths, 763. Jan. 1-31, 1923: Cases, 490; deaths, 549.
East Java.....				Dec. 1-31, 1922: Deaths, 990.
Residencies—				
Pekalongan.....	Dec. 1-31.....	56		
Samarang.....	do.....	202		
Soerabaya.....	Oct. 22-Dec. 31....	34	14	
Do.....	Jan. 14-20.....	2	2	Jan. 17-23, 1923: Cases, 5; deaths, 3.
Toeleng-Agoeng	Oct. 29-Dec. 16....	18	18	Not a seaport.
Soerakarta—				
Klaten.....	Nov. 4.....			Present in epidemic form.

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

**Reports Received from December 30, 1922, to April 6, 1923—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Madagascar.....				Jan. 1-Dec. 10, 1922: Cases, 143.
Province—				Jan. 1-15, 1923: Cases, 22.
Diego Suarez.....	Jan. 1-31.....	2		
Moramanga.....				To Nov. 12, 1922: Cases, 24; deaths, 21. Cases reported to Oct. 30, pneumonic.
Amparafara region.....	Sept. 18-Nov. 5....	21		Bubonic, 18; septicemic, 3 (doubtful, 2).
Moramanga.....	Dec. 6-9.....	3		Bubonic.
Tamatave.....	Feb. 10-Dec. 31....	21		Do.
Miarinarivo.....				Dec. 14, 1922-Jan. 1, 1923: 1 case (European).
Tananarive.....				Jan. 1-Dec. 10, 1922: Cases, 73 (bubonic, 37; pneumonic, 8; septicemic, 28). Jan. 1-15, 1923: Cases, 19.
Ambohimangakeley.....	Nov. 19-Dec. 9....	9		Bubonic, 3; pneumonic, 3; septicemic, 3.
Anketrina.....	Mar. 27-May 9.....	11		Bubonic, 4; pneumonic, 2; septicemic, 5 (3 doubtful).
Fenoarivo region.....	Oct. 7-Nov. 28....	16		Bubonic, 3; pneumonic, 8; septicemic, 5.
Tananarive.....	Oct. 23-Dec. 10....		5	1 septicemic.
Do.....	Dec. 14-Jan. 15....	13		
Mesopotamia:				
Bagdad.....	Oct. 1-Nov. 30....	16		
Mexico:				
Tampico.....	Mar. 23.....	2	1	Plague rodent found, Mar. 14, 1923.
Palestine:				
Jaffa.....	Nov. 27-Dec. 4....	1		
Peru.....				Nov. 1-Dec. 31, 1922: Cases, 199; deaths, 93.
Do.....				Jan. 1-31, 1923: Cases, 151; deaths, 59.
Localities—				
Canete.....	Nov. 16-Dec. 31....	56	19	Including vicinity.
Do.....	Jan. 1-31.....	22	7	Do.
Casma.....	.....do.....	1		At Campina.
Catacaos.....	.....do.....	4	1	
Chepen.....	Dec. 16-31.....	2	1	Present Nov. 9-15, 1922.
Do.....	Jan. 1-31.....	1		
Chiclayo (city and country).....	Nov. 16-Dec. 15....	17	7	
Do.....	Jan. 1-31.....	18	9	
Eten.....	Nov. 16-Dec. 15....	4		
Guadeloupe.....	Nov. 1-Dec. 31....	22	12	
Do.....	Jan. 1-31.....	4	1	
Huacho.....	Nov. 16-Dec. 31....	4	2	
Do.....	Jan. 1-31.....	4	1	
Huara.....	.....do.....	6		Country.
Huaral.....	Nov. 16-30.....	1		
Do.....	Jan. 1-31.....	3	1	
Huarmey.....	Dec. 1-31.....	2	2	
Jayanca.....	Nov. 16-Dec. 31....	10	8	
Lambayeque.....	.....do.....	7	3	
Do.....	Jan. 1-31.....	9	7	
Lima (city).....	Nov. 1-Dec. 31....	11	8	
Do.....	Jan. 1-31.....	1	1	
Lima (country).....	Nov. 1-Dec. 31....	14	5	
Do.....	Jan. 1-31.....	4	2	
Lurin.....	Dec. 1-15.....	1		
Magdalena del Mar.....	Nov. 16-30.....	1		
Do.....	Jan. 1-31.....	1	1	
Magdalena Vieja.....	Dec. 16-31.....	1	1	
Mala.....	Dec. 1-31.....	2		
Do.....	Jan. 1-31.....	4		
Miraflores.....	Jan. 1-23.....	3		
Mochumi.....	Dec. 16-31.....	2	3	
Mosche.....	Nov. 16-30.....	2	1	
Paiza.....	Dec. 16-31.....	3	2	
Do.....	Jan. 1-31.....	10	7	
Piura.....	Nov. 16-Dec. 31....	12	7	
Do.....	Jan. 1-31.....	14	4	
Pueblo Nuevo.....	Dec. 1-31.....	7	4	
Do.....	Jan. 1-31.....	10	6	

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

**Reports Received from December 30, 1922, to April 6, 1923—Continued.**

## **PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Peru—Continued.</b>				
<b>Localities—Continued.</b>				
San Pedro.....	Nov. 1-Dec. 31.....	8	4	
Do.....	Jan. 1-31.....	6	3	
Sullana.....	Nov. 16-30.....	3	3	
Do.....	Jan. 1-31.....	1	1	
Trujillo.....	Nov. 1-Dec. 31.....	3	1	
Do.....	Jan. 1-31.....	25	7	District.
Tuman.....	Nov. 16-30.....	3		
<b>Portugal:</b>				
Lisbon.....	Nov. 10-29.....	4	2	
Oporto.....	Jan. 21-27.....		1	
<b>Portuguese West Africa:</b>				
Angola—				
Loanda.....	Oct. 1-Dec. 30.....		45	Fatal cases among white population.
<b>Siam:</b>				
Bangkok.....	Nov. 12-Dec. 23.....	5	5	
Do.....	Dec. 31-Jan. 27.....	8	7	
<b>Spain:</b>				
Barcelona.....	Nov. 15-Dec. 18.....	1		Sept. 24-Nov. 14, 1922: Cases, 23; deaths, 9.
Malaga.....	Jan. 27.....	3		17 suspected cases.
<b>Straits Settlements:</b>				
Singapore.....	Dec. 17-23.....	2	2	
Do.....	Jan. 21-27.....	1	1	
<b>Syria:</b>				
Beirut.....	Nov. 6-30.....	4	3	
<b>Turkey:</b>				
Constantinople.....	Nov. 22-28.....	2		
Do.....	Jan. 28-Feb. 10.....	2		
<b>Union of South Africa:</b>				
Transvaal—				
Klipfontein Farm.....	Dec. 16.....	2	1	Natives. Jan. 25, 1923: Plague-infected wild rodent found in vicinity.
<b>On vessels:</b>				
S. S. Helicon.....	Dec. 1.....	1		At Thursday Island Quarantine, Australia, from Singapore, Straits Settlements. In Chinese firemen.
S. S. —.....	Dec. 30.....			At port of London; plague-infected rats and cats found in grain cargo on vessel from South America.

## **SMALLPOX.**

<b>Algeria:</b>				
Algiers.....	Dec. 1-10.....	1		
Do.....	Jan. 1-Feb. 20.....	2		
<b>Arabia:</b>				
Aden.....	Nov. 19-Dec. 23.....	7	3	
Do.....	Jan. 7-Mar. 3.....	18	2	
<b>Bolivia:</b>				
La Paz.....	Jan. 1-31.....	6	4	
<b>Brazil:</b>				
Bahia.....	Nov. 5-11.....	1		
Para.....	Feb. 12-Mar. 4.....	6		
Pernambuco.....	Jan. 21-27.....	1	1	
Rio de Janeiro.....	Nov. 25-Dec. 30.....	40	15	
Do.....	Dec. 31-Feb. 10.....	31	14	
Sao Paulo.....	Oct. 16-22.....	1	1	
<b>British East Africa:</b>				
Kenya Colony—				
Tanganyika Territory.....	Oct. 8-Dec. 23.....	193	10	
Do.....	Jan. 7-20.....	17		
Uganda.....	Sept. 1-Dec. 31.....	3	1	
Entebbe.....	Nov. 24-30.....	3	3	
<b>Canada:</b>				
Manitoba—				
Winnipeg.....	Dec. 10-30.....	14		
Do.....	Jan. 21-27.....	1		
New Brunswick—				
Northumberland County.....	Jan. 21-Feb. 17.....	8		
Restigouche County.....	Mar. 11-17.....	1	1	

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

**Reports Received from December 30, 1922, to April 6, 1923—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Canada—Continued.</b>				
Ontario.....				Dec. 1-31, 1922: Cases, 51; deaths, 1. Jan. 1-Feb. 28, 1923: Cases, 66.
Hamilton.....	Dec. 31-Feb. 24.....	7		
Niagara Falls.....	Dec. 3-30.....	10		
Do.....	Dec. 31-Jan. 12.....	12		
Ottawa.....	Dec. 10-23.....	6		
Do.....	Jan. 7-20.....	10		
Toronto.....	Dec. 10-30.....	2		
Do.....	Feb. 4-10.....	1		
Quebec.....				
Quebec.....	Jan. 14-20.....	3		
Saskatchewan.....				
Regina.....	Dec. 3-23.....	2		
Ceylon.....				
Colombo.....	Nov. 12-Dec. 24.....	9	4	1 case, 1 death outside city.
Chile.....				
Concepcion.....	Oct. 30-Dec. 25.....		7	
Do.....	Feb. 6-26.....		5	
Valparaiso.....	Oct. 2-Dec. 26.....	4	54	In hospital, 83 cases.
Do.....	Jan. 9-Feb. 10.....		90	Dec. 31, 1922-Jan. 27, 1923: Deaths, 66. Feb. 16, 1923: 80 cases present (estimated).
China.....				
Amoy.....	Nov. 5-Dec. 23.....		3	Nov. 26-Dec. 30, 1922: Present.
Do.....	Jan. 7-Feb. 3.....		5	
Antung.....	Nov. 13-Dec. 10.....	2		
Canton.....	Oct. 1-Nov. 30.....			Prevalent.
Do.....	Jan. 21-Feb. 10.....			Present.
Changsha.....	Feb. 11-17.....	1		
Chungking.....	Nov. 5-Dec. 30.....			Do.
Do.....	Dec. 31-Feb. 3.....			Do.
Foochow.....	Nov. 12-Dec. 30.....			Do.
Do.....	Dec. 31-Feb. 17.....			Do.
Hankow.....	Dec. 31-Jan. 20.....	4	1	
Hongkong.....	Nov. 5-11.....		1	
Do.....	Dec. 31-Jan. 20.....	3	1	
Manchuria.....				
Harbin.....	Nov. 20-Dec. 31.....	13		
Do.....	Jan. 8-Feb. 11.....	7		
Mukden.....	Nov. 19-Dec. 16.....			Do.
Do.....	Jan. 7-Feb. 3.....			Do.
Nanking.....	Nov. 5-Dec. 23.....			Do.
Do.....	Jan. 7-20.....			Do.
Shanghai.....	Jan. 15-Feb. 25.....	3	1	Foreign. Death, Chinese.
Chosen (Korea):.....				
Chemulpo.....	Oct. 1-Dec. 31.....	135	84	
Do.....	Jan. 1-31.....	26	17	
Fusan.....	Nov. 1-Dec. 31.....	4		
Do.....	Jan. 1-31.....	5		
Gensan.....	Dec. 1-31.....	6	2	
Seoul.....	Oct. 1-Dec. 31.....	19	1	
Do.....	Jan. 1-31.....	35	11	
Colombia:.....				
Buenaventura.....	Jan. 25-Feb. 20.....	48		Estimated, 50 cases present; type mild; among colored population.
Cuba:.....				
Province—.....				
Camaguey.....	Nov. 11-Dec. 31.....	20		
Matanzas.....	Jan. 1-31.....	2		
Oriente.....	Nov. 21-Dec. 31.....	22		
Do.....	Jan. 1-Feb. 10.....	10		
Santa Clara.....	Dec. 21-31.....	1		
Czechoslovakia.....				Oct. 1-31, 1922: Cases, 3.
Province.....				
Bohemia.....	Oct. 1-31.....	1		
Moravia.....	do.....	1		
Slovakia.....	Oct. 1-Nov. 30.....	2		
Dominican Republic:.....				
Puerto Plata.....	Dec. 14-30.....	2		
Santo Domingo.....	Dec. 3-16.....			Present.
Do.....	Feb. 28-Mar. 6.....	3		
San Pedro de Macoris.....	Jan. 13-19.....	2		
Ecuador:.....				
Guayaquil.....	Dec. 1-31.....	10		
Do.....	Jan. 1-Feb. 28.....	11		

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

**Reports Received from December 30, 1922, to April 6, 1923—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Egypt:</b>				
Alexandria.....	Feb. 19-25.....	1		
Port Said.....	Jan. 21-27.....	1		
<b>Estonia:</b>				
.....	Oct. 1-Dec. 31.....	61		
<b>France:</b>				
Paris.....	Dec. 1-10.....	1		
<b>Germany:</b>				
Bremen.....	Dec. 3-9.....	1		
<b>Great Britain:</b>				
Liverpool.....	Dec. 11-17.....	1		From vessel.
London.....	Nov. 26-Dec. 23.....	3		
Nottingham.....	Nov. 19-Dec. 13.....	4		
Do.....	Jan. 7-Feb. 24.....	11		
<b>Greece:</b>				
Patras.....	Jan. 21-Feb. 3.....		10	
Saloniki.....	Nov. 6-Dec. 31.....	6	5	
Do.....	Jan. 15-28.....	3		
Zante.....				Epidemic, Jan. 17, 1923.
Do.....	Jan. 7-14.....	13	4	
<b>India:</b>				
Bombay.....	Nov. 5-Dec. 30.....	22	10	Nov. 5-Dec. 30, 1922: Cases, 5,783; deaths, 333. Dec. 31, 1922-Jan. 13, 1923: Cases, 2,533; deaths, 613.
Do.....	Dec. 31-Feb. 3.....	39	19	
Calcutta.....	Nov. 12-Dec. 30.....	46	23	
Do.....	Dec. 31-Feb. 3.....	54	30	
Karachi.....	Nov. 26-Dec. 30.....	6		
Do.....	Dec. 31-Feb. 17.....	30	13	
Madras.....	Nov. 12-Dec. 30.....	71	23	
Do.....	Dec. 31-Feb. 17.....	145	46	
Rangoon.....	Nov. 5-Dec. 30.....	27	6	
Do.....	Jan. 7-Feb. 10.....	76	25	
<b>Jamaica:</b>				
.....	Dec. 31-Mar. 10.....	393		Reported as alastrim.
<b>Japan:</b>				
Kobe.....	Jan. 13-Feb. 16.....	6	2	
Yokohama.....	Jan. 22-28.....	1		
<b>Java:</b>				
East Java—				
Soerabaya.....	Nov. 5-11.....	4		
West Java—				
Batavia.....	Nov. 11-Dec. 22.....	25	1	City and Province.
Do.....	Jan. 27-Feb. 2.....	2	1	
<b>Latvia:</b>				
.....	Oct. 1-Dec. 31.....	7		Province.
<b>Mesopotamia:</b>				
Bagdad.....	Oct. 1-Nov. 30.....	568	361	
<b>Mexico:</b>				
Chihuahua.....	Dec. 4-17.....		4	
Do.....	Jan. 1-Mar. 18.....	38	17	
Guadalajara.....	Dec. 1-31.....	4		
Do.....	Jan. 1-30.....	15		
Mexico City.....	Nov. 12-Dec. 23.....	43		Including municipalities in Federal district.
Do.....	Dec. 31-Feb. 17.....	107		
Nogales.....	Dec. 10-19.....		1	
Do.....	Dec. 31-Feb. 10.....		2	
Saltillo.....	Jan. 28-Feb. 3.....		1	
San Luis Potosi.....	Jan. 14-20.....		1	
Sonora, State.....				Nov. 1-30, 1922: Present in northern section.
Empalme.....	Nov. 1-30.....	4	1	
Torreón.....	Dec. 1-31.....		1	
Vera Cruz.....	Feb. 26-Mar. 11.....	9	4	
<b>Palestine:</b>				
.....				Jan. 23-Feb. 19, 1923: Cases, 8.
<b>Persia:</b>				
Teheran.....	Oct. 24-Dec. 22.....		139	Northern district.
<b>Peru:</b>				
Callao.....	Nov. 1-15.....	2		
Lima (city).....	Dec. 1-15.....	3	1	
Lima (country).....	Nov. 1-15.....	2	1	
<b>Poland:</b>				
.....				Oct. 1-Dec. 2, 1922: Cases, 103; deaths, 24.
<b>Portugal:</b>				
Lisbon.....	Nov. 19-Dec. 30.....	143	34	
Do.....	Dec. 31-Feb. 24.....	135	73	Dec. 25-31, 1922: Deaths, 12.
Oporto.....	Oct. 15-Dec. 30.....	24	12	
Do.....	Dec. 31-Feb. 24.....	15	8	Jan. 5-20, 1923: Cases, 22; deaths, 6.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.****Reports Received from December 30, 1922, to April 6, 1923—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 27-Nov. 11.....		10	
Russia:				
Province—				
Ukraine.....				Jan.-Sept., 1922: Cases, 8,744.
Spain:				
Corunna.....	Nov. 26-Dec. 2.....		1	
Huelva.....	Nov. 24-Dec. 31.....		4	
Madrid.....	Dec. 1-31.....		1	
Do.....	Jan. 1-31.....		1	
Seville.....	Nov. 27-Dec. 31.....		32	
Do.....	Jan. 1-Mar. 11.....		16	
Valencia.....	Nov. 26-Dec. 23.....	3		
Do.....	Dec. 31-Feb. 24.....	18	1	
Switzerland:				
Berne.....	Nov. 19-Dec. 30.....	85		
Do.....	Dec. 31-Feb. 24.....	133		
Lucerne.....	Jan. 1-31.....	6		
Zurich.....	Nov. 19-Dec. 30.....	19		
Do.....	Jan. 14-Feb. 24.....	6		
Syria:				
Aleppo.....	Nov. 19-Dec. 23.....	38	20	
Do.....	Dec. 31-Feb. 24.....	26	6	
Beirut.....	Dec. 11-20.....	1		
Damascus.....	Nov. 1-Dec. 31.....	97	16	
Do.....	Jan. 1-31.....	19		
Tunis:				
Tunis.....	Dec. 1-22.....	2	1	
Do.....	Jan. 22-Feb. 4.....	1	1	
Turkey:				
Constantinople.....	Nov. 19-Dec. 16.....	122	34	
Do.....	Dec. 31-Feb. 23.....	416	144	
Union of South Africa.....				Oct. 1-Dec. 31, 1922: Cases—Colored, 64; deaths, 1; white, cases, 4.
Cape Province.....				Oct. 1-Dec. 31, 1922: Cases—Colored, 48; deaths, 1; white, 4 cases.
Do.....	Dec. 31-Feb. 3.....			Outbreaks.
East London.....	Jan. 7-13.....	2		
Natal.....				Dec. 1-31, 1922: Cases, 6 (colored).
Orange Free State.....				Dec. 1-31, 1922: Cases, 2 (colored).
Do.....	Jan. 14-Feb. 3.....			Outbreaks.
Southern Rhodesia.....	Nov. 9-15.....	3		
Transvaal.....				Oct. 1-Dec. 31, 1922: Cases, 10.
Do.....	Dec. 31-Jan. 6.....			Outbreaks.
Johannesburg.....	Nov. 1-30.....		1	
Do.....	Jan. 1-31.....	1		
Yugoslavia.....				Aug. 1-31, 1922: Cases, 30; deaths, 12.
Serbia.....				Aug. 1-31, 1922: Cases, 26.
Belgrade.....	Nov. 12-Dec. 31.....	10	4	
On vessel:				
S. S. Huntress.....	Nov. 11.....	1		At Fremantle, Australia; from Cape Town, South Africa.
S. S. Junin.....	Jan. 13.....	1		At Antofagasta, Chile. Vessel proceeded to Arica, Chile, with patient on board.
S. S. —.....	Dec. 17-23.....	1		At Liverpool.

**TYPHUS FEVER.**

Algeria:				
Algiers.....	Nov. 11-Dec. 31.....	2	1	
Do.....	Jan. 1-31.....	7		
Oran.....	Jan. 11-20.....	1	1	
Bolivia:				
La Paz.....	Jan. 1-31.....	17	9	
Brazil:				
Pernambuco.....	Dec. 3-9.....	2	2	
Porto Alegre.....	Nov. 19-Dec. 16.....	3		
Bulgaria:				
Sofia.....	Feb. 4-10.....	1		Paratyphus, 2 cases.

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

**Reports Received from December 30, 1922, to April 6, 1923—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Chile:</b>				
Antofagasta.....	Nov. 12-Dec. 30...	24	5	Nov. 11-Dec. 5, 1922: Cases, 10; deaths, 2. Quarantine station; October, 1922—1 fatal case, on vessel from Valparaiso; November, 1922—cases, 7; December, 1922—cases, 9; remaining, Dec. 31, 3 cases.
Do.....	Dec. 31-Feb. 24.....	3	2	
Concepcion.....	Oct. 17-Dec. 18.....	9	7	
Do.....	Dec. 26-Jan. 15.....	7	1	
Iquique.....	Jan. 14-20.....	1	6	
Talcahuano.....	Nov. 12-Dec. 23.....	10	6	
Do.....	Jan. 7-Feb. 11.....	5	2	
Valparaiso.....	Dec. 3-30.....	9	9	Daily hospital average, 25 cases
Do.....	Dec. 31-Feb. 10.....	.....	23	
<b>China:</b>				
Antung.....	Nov. 13-Dec. 10...	7	.....	
Manchuria—				
Harbin.....	Nov. 20-26.....	7	.....	
Do.....	Jan. 1-28.....	4	.....	
<b>Cuba:</b>				
Matanzas.....	Dec. 25-31.....	1	1	
<b>Czechoslovakia:</b>				
City—				
Prague.....	Nov. 19-25.....	1	.....	
Province—				
Bohemia.....	Nov. 1-30.....	1	.....	
Ruthenia.....	Oct. 1-Dec. 31.....	25	.....	
Slovakia.....	Nov. 1-30.....	2	.....	
Danzig (Free City).....	Jan. 7-13.....	1	.....	
<b>Egypt:</b>				
Alexandria.....	Nov. 19-Dec. 31.....	2	1	
Do.....	Jan. 22-28.....	1	.....	
Cairo.....	Oct. 1-Dec. 31.....	19	9	
<b>Estonia:</b>				
Libau.....	Dec. 24-30.....	1	.....	Oct. 1-Dec. 31, 1922: Cases, 6 Recurrent typhus: Cases, 10. Year 1922: Cases, 159; recurrent typhus, 91 cases.
<b>Narva.....</b>				Year 1922: Cases, 140; recurrent typhus cases, 83.
<b>Germany:</b>				
Berlin.....	Nov. 26-Dec. 2.....	.....	1	
Coblentz.....	Dec. 10-16.....	1	.....	
Dresden.....	do.....	1	.....	
<b>Great Britain:</b>				
Glasgow.....	Jan. 7-Feb. 17.....	4	1	
<b>Greece:</b>				
Corfu Island.....	Feb. 8.....	.....	.....	Present.
Leucadia.....	Jan. 17.....	.....	.....	Do.
Patras.....	Nov. 19-25.....	.....	1	
Do.....	Jan. 1-7.....	3	1	
Piræus.....	Feb. 8.....	.....	.....	Do.
Prevesa.....	Jan. 17.....	.....	.....	Do.
Saloniki.....	Dec. 19-24.....	3	.....	Among refugees.
Do.....	Jan. 7-28.....	16	3	Refugees.
Zante.....	Jan. 17.....	.....	.....	Present.
<b>Guatemala:</b>				
Guatemala City.....	Jan. 1-31.....	.....	1	
<b>Hungary:</b>				
Budapest.....	Jan. 14-Feb. 17.....	13	3	
<b>Ireland:</b>				
Beimullet.....	June 15-Dec. 14.....	20	.....	In county Mayo.
<b>Italy:</b>				
Trieste.....	Feb. 26-Mar. 3.....	1	.....	
<b>Latvia:</b>				
				Oct. 1-Dec. 31, 1922: Cases, 74. Recurrent typhus, cases, 10.
<b>Mexico:</b>				
Mexico City.....	Nov. 12-Dec. 30.....	90	.....	Including municipalities in Federal District.
Do.....	Dec. 31-Feb. 17.....	81	.....	Do.
San Luis Potosi.....	Jan. 28-Feb. 10.....	.....	2	
<b>Palestine:</b>				
				Dec. 5-25, 1922: Cases, 3; in northern section. Feb. 27-Mar. 5, 1923—1 case in northern section.
Jaffa.....	Dec. 12-18.....	2	.....	
Do.....	Jan. 16-Feb. 26.....	4	.....	
Jerusalem.....	Dec. 26-Jan. 1.....	1	.....	
<b>Paraguay:</b>				
Asuncion.....	Jan. 1-27.....	.....	1	
<b>Persia:</b>				
Teheran.....	Sept. 24-Nov. 24.....	.....	3	
<b>Poland:</b>				
				Oct. 1-Dec. 2, 1922: Cases, 1,415; deaths, 101. Recurrent typhus: Cases, 1,583; deaths, 45.

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

**Reports Received from December 30, 1922, to April 6, 1923—Continued.**

## **TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Portugal: Oporto.....	Oct. 15-Dec. 2....	1	1	
Rumania: Bucharest.....	.....	.....	.....	To Jan. 31, 1923: Cases, 96; deaths, 13.
Chisinau.....	Nov. 1-30.....	5	.....	
Russia.....	.....	.....	.....	July 30-Sept. 23, 1922: Cases, 23,803.
Ukraine.....	Jan.-Sept.....	307,329	.....	Provisional figures.
Ukraine, Tartar Republic, and Siberia.....	June 1-30.....	35,926	.....	
Do.....	July 1-31.....	17,262	.....	Do.
Do.....	Aug. 1-31.....	6,864	.....	Do.
Do.....	Sept. 1-30.....	2,383	.....	Do.
Siberia: Vladivostok.....	Nov. 1-Dec. 31....	6	.....	Remittent, 1 case; indefinite, 6 cases.
Do.....	Jan. 1-31.....	43	.....	Remittent, 1 case; indefinite, 10.
Spain: Barcelona.....	Nov. 30-Dec. 27....	.....	3	
Do.....	Jan. 11-17.....	.....	1	
Madrid.....	Dec. 1-31.....	.....	1	
Syria: Aleppo.....	Dec. 10-16.....	1	1	
Do.....	Jan. 7-Feb. 17....	37	9	Generally among refugees.
Beirut.....	Oct. 1-22.....	1	.....	
Turkey: Constantinople.....	Nov. 27-Dec. 2....	3	.....	
Do.....	Dec. 31-Feb. 17....	70	5	Mar. 6, 1923: Present.
Union of South Africa.....	.....	.....	.....	Oct. 1-Dec. 31, 1922: Colored—cases, 3,097; deaths, 298; white—cases, 11; deaths, 2.
Cape Province.....	.....	.....	.....	Oct. 1-Dec. 31, 1922: Colored—cases, 2,799; deaths, 250; white—cases, 6; deaths, 1.
Do.....	Dec. 31-Feb. 3....	.....	.....	Outbreaks.
Port Elizabeth.....	Jan. 28-Feb. 3....	1	.....	
Natal.....	.....	.....	.....	Oct. 1-Dec. 31, 1922: Colored—cases, 143; deaths, 32; white—cases, 2.
Orange Free State.....	.....	.....	.....	Oct. 1-Dec. 31, 1922: Colored—cases, 91; deaths, 8; white—cases, 3; deaths, 1.
Do.....	Jan. 7-Feb. 3....	.....	.....	Outbreaks.
Transvaal.....	.....	.....	.....	Oct. 1-Dec. 31, 1922: Colored—cases, 64; deaths, 8.
Do.....	Jan. 14-Feb. 3....	.....	.....	Outbreaks.
Johannesburg.....	Nov. 1-30.....	3	6	
Do.....	Jan. 1-31.....	4	2	
Venezuela: Maracaibo.....	Jan. 21-27.....	.....	1	
Yugoslavia: Bosnia-Herzegovina.....	Aug. 1-31.....	1	.....	
Serbia.....	.....	.....	.....	Aug. 1-31, 1922: Recurrent typhus fever, cases, 4.

## **YELLOW FEVER.**

Brazil: Bahia.....	Dec. 31-Feb. 17....	36	9	
Mexico: Ciudad Victoria.....	Dec. 17-23.....	1	.....	
West Africa: Gold Coast— Saltpond.....	.....	.....	.....	Reported present Dec. 21, 1922.
Nigeria— Warrai.....	.....	.....	.....	Do.