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## HUMAN ENGINEERING—A NEW MEDICAL SPECIALTY.

By FRANK LESLIE RECTOR, Acting Assistant Surgeon, United States Public Health Service.

A high labor turnover has brought many industrial accidents in its wake, and, with an increasing sense of responsibility, States have passed laws requiring that these be taken care of. Compensation laws have greatly increased the demand for the industrial physician, and the man of medical training has thus been called into closer association with industry than ever before.

A comparatively new field has been opened to the profession, and some few of its members have been quick to grasp the opportunity and to see the possibilities that the industrial field holds in store for them. Compared to the large number who have taken their work as a matter of course, men of vision have been few, but those few have placed an indelible stamp upon industrial medicine and have formed a solid basis upon which this special branch of medical practice will be built. Unlike most other medical specialties, this one is rooted in the principles of preventive medicine, as it has to do with keeping the worker well. A contented and healthy worker can produce far more than a dissatisfied and sick worker, and industrial management is learning the simple lesson that it pays to make and keep a man well and happy.

To this new speciality, usually termed "Industrial Medicine," I prefer to give another name, one that more clearly defines the real scope and possibilities of what the work offers, the name of "Human Engineering," for it clearly covers fields usually thought to be far removed from that of medicine, but which I hope to show are closely associated with the medical field when considered industrially.

The field of activity of this work is limitless. It has been estimated that among the 40,000,000 industrial workers in the United States there are 2,000,000 lost-time accidents yearly entailing a loss of time of more than one day each. Of this number there are 750,000 workers who sustain a disability of more than four weeks' duration. About 22,500 are killed, and from 15,000 to 18,000 more

suffer permanent disability. This loss is estimated to be more than 18,000,000 man-days per year, or the working time of over 60,000 persons. Each industrial worker is sick on the average 8 days per year, which amounts to the time lost of over 1,000,000 working people for one year. The loss in wages is over \$1,000,000,000 per year, to say nothing of the loss in production, the cost of medical attention, and the cost to the community of the permanently disabled workers that cease to be self-supporting. There is no greater problem before the country to-day than this problem of medical supervision of industry. There is no one in the country to-day that can better cope with this situation than the properly equipped industrial physician.

Not only must the industrial physician of the future rid himself of the designation of the "Company Doc," the appellation of an official who took care only of what came his way, but he must be able to interpret industrial processes, understand the operation of mechanical appliances, size up the human requirements for filling a certain job, make scientific studies of the hazards of occupations, make certain that proper working conditions are provided for the industrial population, and interpret these findings in terms of increased production, decreased labor turnover, and healthier and happier workers. He should also be able to tune up the home, community, and industrial environment, so that each would bear its part of carrying forward the great commercial life of the Nation.

The human engineer comes into intimate contact with four departments of an industry, namely, employment, safety, medicine, and welfare. If he is fulfilling the obligations of his position, he must know intimately and well the workings of each branch of this group. By making a physical examination of applicants for employment he exerts a direct influence upon the placing of workers. If he properly follows up accidents, he comes in contact with the safety department. Of course, he dominates the medical department, and if he has the proper interest in the worker away from his factory job he must be familiar with what is being done in the home and community environment of the workman.

Let us look at some of the details of contact of the human engineer with these agencies within the plant. The human engineer will first of all be called upon to determine if an applicant who is fitted by training or otherwise for the job he seeks is physically capable of filling the position. To make an intelligent application of his physical findings he must familiarize himself with the different jobs in the plant, with the different steps in the manufacturing processes, and then formulate a set of standards with which the applicant must comply in order to fill the position to the best interests of both his employer and himself. A worker may be unsuited for a job by reason

of physical defect of which he may be ignorant, by stature, temperament, age, education, or other reason. The human engineer will determine these conditions, as well as the mental attitude of the worker toward his work, at the time of making the physical examination, and will be able to place the worker where he best fits into the scheme of the organization.

Communicable diseases can also be detected at this time and their introduction into the plants prevented. Measures looking to the correction of such defects as flat feet, impaired vision and hearing, decayed teeth, and others of a similar nature can be instituted at the time of making the physical examination, so that the worker is able to approach his task in the best possible physical condition. Without the physical examination to discover the defects of the applicant, useful members of the industrial community are oftentimes denied employment.

One of the big problems the human engineer can help solve is that of placing the handicapped worker where his services can be of most value to himself and to industry. By so doing the economic independence of the worker is assured, his mental attitude is directed into right channels, and he becomes a community asset rather than a liability. By placing the worker to the best advantage the work of the employment department is lightened by reducing turnover, a thing always costly and one to be avoided. The worker has also been made to feel that some one has his interests at heart in thus placing him in his work.

The human engineer's contact with the safety department usually begins when an accident case is brought to the dispensary for treatment. In addition to caring for the injury he makes an investigation as to how the accident occurred and, in cooperation with the safety engineer, determines ways and means of preventing the occurrence of similar cases. He may find that the work is fatiguing because of faulty posture, poor ventilation, or bad lighting, which may be insufficient lighting or too brilliant lighting with the production of glare, or because of other conditions susceptible of correction. These matters are all within the scope of the safety department to correct, but that department is seldom equipped to discover all of them or to associate them with the cause of the accident.

The human engineer's researches will lead him to consider occupational poisonings when the processes suggest such possibilities. The physical reexamination of workers in hazardous occupations will result in the accumulation of scientific facts of known value with which to replace the oftentimes erroneous opinions now held regarding the dangers and hazards of certain occupations.

In addition to caring for the accidents that occur, the human engineer should repair the temporary defects of the workers, which tend

to reduce their effectiveness to a considerable extent. Many times workers report for duty with headaches, indigestion, beginning colds, and other seemingly trifling ailments, which can be relieved or eliminated by prompt application of therapeutic measures. By eliminating them a day's production can be added to the factory output, and the worker will have the added satisfaction of knowing that his small needs are cared for in a sympathetic manner. He will also appreciate the fact that there is some one to whom he can go for consultation and advice regarding such minor ailments as may develop in the course of the day's work. The prompt attention to minor accidents will prevent infections, which always result in much lost time, lost wages, and lowered production.

While making a thorough study of the human machine in its industrial surroundings the human engineer will seek further light regarding the worker's home and community environment. Here his contact with the welfare department begins; but it should not end until home conditions have been investigated and the fact determined whether or not they constitute potentially a causal factor in industrial accidents. A sick member of the family may cause such uneasiness in the mind of the worker that he will be careless and much below par in his work. It may also be determined if there is unsympathetic supervision over this man's work by the foreman. A domineering and overbearing foreman can do more to reduce output and breed discontent than almost any other factor in an organization.

The human engineer will not stop at treating the patient and removing the disabling cause, whether it be due to environment within or without the plant. There exists the opportunity of instilling the ideas of preventive medicine in the broad sense into the minds and hearts of those with whom he comes in daily contact. Here the great field of preventive medicine opens before him and he has unlimited opportunities of sowing the seeds of right living in this fallow soil. Short and simple messages on healthful home conditions, personal hygiene, proper food and clothing, proper habits of body and mind, and the sure penalty suffered from a neglect of these matters can be placed before the industrial worker with an influence that can be obtained in no other way.

The question of mutual-benefit associations, old-age pensions, recreational and amusement facilities, community hygiene and sanitation, especially improved milk and water supplies, sewage disposal, and related matters having a bearing upon the worker's surroundings or state of mind, all come within the scope of the activities of the human engineer if he but applies himself to them in the proper relation. The greater the influence for the common good of his industry in the community, the greater are his privileges and duties in community associations.

In addition to organization and executive ability, the engineer should have some statistical knowledge if he is to fulfill the highest purpose in his work. Careful records must be kept of turnover, accidents, illness, and absence, not of the plant in its entirety, but by departments and occupations, and these records must be correlated and analyzed so as to show where deficiencies lie and upon whose shoulders the responsibility for their correction rests.

From what has been said it is evident that the position of this new member of the industrial community is an important one. He should be the administrative head of the industrial-relations group of activities. His place as head of the medical department is assured by education, training, and experience. He should coordinate his work with that of the employment department on account of his knowledge of individual workers gained through physical examinations, his knowledge of the requirements of the job and of working conditions. He should work in close harmony with the safety department by reason of his contact with accident cases and his knowledge of plant processes and hazards. He should aid in the work of the welfare department by reason of the intimate contacts that have been established by his relations with workers in other departments and in their homes. Combining these duties with those of the interpretation of factory records having a direct influence upon production, the opportunity for education in preventive medicine, and the influence he has in shaping the home and community environment, it seems that the member of the medical profession who successfully accomplishes them is entitled to add to his name the degree of Human Engineer.

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## THE SEAMEN'S SERVICE CENTER IN NEW YORK CITY.

By E. W. SCOTT, Passed Assistant Surgeon, United States Public Health Service.

There has just been established in New York City the "Seamen's Service Center," to operate under the direction of the Surgeon General of the United States Public Health Service in cooperation with the American Red Cross, volunteer agencies, and individuals, for the purpose of assisting merchant-marine seamen entering the port of New York. It will act as a clearing house through which the sick, disabled, and needy sailors of the merchant fleets of the world may be distributed to cooperating social agencies or individuals for detailed help, and, when necessary, sent to institutions, hospitals, or dispensaries for proper care and treatment.

There are various agencies in the city of New York for these and similar purposes, and it is the object of this Center to act as a clearing house through which the seamen may be directed to the

assistance they need. The creation of the Center does not mean that a new organization has entered the field, but rather that an effort is being made to coordinate and centralize the work of all existing organizations in the city. Every organization seeking to be of service to merchant-marine seamen is to be recognized by the Center and its facilities are to be utilized. No individual organization loses its identity, nor is it curtailed in its activities. On the contrary, each organization will be stimulated and assisted to develop a wider field of useful action; each specific requirement to be carried out by the organization best fitted to meet the particular need of cases.

There will be maintained at the Center, however, facilities for examination and diagnosis, and there will be in attendance at all times medical officers who will function as differentiators. When a seaman presents himself complaining of feeling ill and asking for direction to a hospital or clinic, he is to be given a careful physical examination. The exact length of time he is to be in port will be ascertained and his case handled accordingly. He will be kept under observation while in the hospital, and any personal service that may be required will be looked after by the person officially detailed as his visitor. If he is an ambulatory case and is referred to a clinic for treatment, it will be ascertained whether or not his ship carries a surgeon; and if his ship does not carry a surgeon he will be given medicine and equipment for his treatment during the voyage, and explicit directions as to how to use same. If he is unable to pay for this service, it will be furnished to him free of charge. This branch of the work will be given especial attention in cases of infection with either gonorrhea or syphilis. He will also be furnished with names and addresses of reputable physicians or of an authorized clinic or hospital at the first port he strikes, and with a record of the diagnosis, history, and previous treatment of his case. Nurses and others trained in social service and follow-up work will serve when needed and keep records of all cases handled through the Center.

Another special feature of the work will be a registrar who will keep the names and home addresses of seamen, and who will inform relatives and friends concerning the condition of sick and disabled seamen, and communicate to relatives any information he may desire to send them.

Providing social service facilities for merchant-marine seamen is by no means a new idea with the United States Public Health Service. For more than 50 years this service has been extended to seamen of the American merchant marine, as an individual effort on the part of the staffs of the various marine hospitals. The chief

object of the present organized effort is to establish an international service for the care of the health of merchant-marine seamen of all flags.

The experience of two years' work with venereal-disease control among civilians, including seamen, has proved that to do effective work several things must be done. The most important of these are provisions for maintaining certain health standards, and recreation and follow-up work; and to achieve this end for seamen the Seamen's Service Center has been established. As this work is to be carried on with men who have but limited social opportunities, it is difficult to do effective work, and the plan under way is to create a system of effective social work which will provide safeguards for seamen while ashore and to create opportunities for them to improve their physical condition and social status, rather than to expose themselves to hazards which may undermine their health and future welfare.

The necessity for protective social measures for seamen was first expressed by an officer of the Public Health Service in 1873, when the following statement was made in the annual report of the supervising surgeon of the Marine Hospital Service for that year:

"Fully 30 per cent of all cases treated by the marine-hospital surgeon are of preventable diseases—'preventable' not in the ordinary sense of that term but in the much narrower one of being so by compliance with a few of the simplest and most obvious requirements of decent living."

No specific reference is made in the above quotation to the prevalence of venereal infection among seamen at that time, but in the annual report for 1919 the following statement is made:

"The exact percentage (of venereal diseases) is unknown, but the records of the marine hospitals which have been devoted to the care of American seamen, show that over 22 per cent of all disabilities treated were due to venereal diseases."

Again referring to the annual report for the year 1873, we find that Dr. Heber Smith, Surgeon, United States Marine Hospital Service, New York City, in advocating protective social work among seamen, stated in an article entitled "The Sailor and the Service at the Port of New York":

"Among the duties of the doctor of medicine, in modern times, the study of the causes of disease and the search for measures of prevention have come to be recognized as equal at least, if not paramount, in value to the highest technical skill and the most successful application of remedies when disease actually exists. In this broader field the physician becomes the student and investigator not only of man's physical, but also of his social and moral environment, and the bearing and effect of the most diverse and apparently remote influences

are traced to their results in the production of disease and death, or the conservation of health and life.

"What is thus true of the doctor in medicine in general, is especially so of the medical officer of the Marine Hospital Service. To him is confided not merely the medical and surgical care of the sick and disabled who may be entitled to relief from the marine hospital fund, but the authority to determine the validity of the claim for such relief. This authority carried with it the implied responsibility of guarding the fund from claims growing out of avoidable or preventable causes. Hence it is peculiarly within the province of the marine hospital surgeon to inquire into the surroundings and conditions of the sailor, both afloat and ashore; to study the effects of his avocation afloat in the production of disease; to investigate his habits when ashore, and the laws and other influences which affect him; and to suggest such measures of correction or relief as may prevent his becoming a charge upon the fund and best preserve him in the vigor of health and usefulness.

"\* \* \* let us follow a sailor from his arrival in port to his departure upon another voyage.

"While to the weary passenger the sight of land and the approach to the familiar scenes of the home port is one of the most joyous occasions of his life, his happiness is seldom shared by the sailor before the mast, who knows too well the home and the friends that await him.

"\* \* \* What kind of a place is prepared for his reception? Few that have not had actual experience would credit a faithful description of the vile dens situated in the very worst parts of the City. In such streets as Baxter, Water, and Cherry, in old dilapidated houses, reeking with filth and vermin, the sailor is shown to a bunk in a room that has as many double, and in some cases treble, tiers as it will hold, and without a sign of a convenience for the ordinary necessities of life; and that is his lodging place. In the saloon, or living room of the house, he is surrounded by a crowd of creatures, male and female, in various stages of intoxication; and can it be thought strange, if, under such circumstances, he immediately proceeds to get as drunk as his associates? How can he escape? Each newcomer is expected to contribute to the hilarity of the crowd, and he would be forthwith thrashed and then pitched into the street if he failed to meet such expectation. And this is his home."

At the recently organized "Seamen's Service Center" in New York City, located at 21 Coenties Slip, there will be maintained a bureau of information. This information bureau will have knowledge of the location of rooms for rent to transit seamen, boarding houses, laundries, places where recreational facilities or social opportunities are available, reading rooms, and places of interest to seamen.

A twenty-four-hour medical service will be maintained in order to care for seamen becoming ill or meeting with accident at times when the steamship offices or the consular offices are closed. A system of hospital and dispensary social service will be maintained for



all hospitals and dispensaries making a specialty of treating merchant seamen.

In developing the American merchant marine there is no more important field of activity than that of making the life of American seamen more attractive, and offering opportunities for social environment that is interesting and beneficial.

To do these things will be the object of the New York Center, which should become the pioneer of other similar institutions to be established at the leading American ports.

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## DEPARTMENT OF HEALTH FOR THE UNION OF SOUTH AFRICA.

During the year 1919 the Union of South Africa, falling in line with Great Britain and the Dominion of Canada, established, through the enactment of its Parliament, a department of health. The act provides that the department shall be known as the Department of Public Health and shall be under the control of a minister and in respect of which there shall be a portfolio of public health.

By the text of the act the functions of the department are "to prevent or guard against the introduction of infecticous disease into the Union from outside; to promote the public health and the prevention, limitation, or suppression of infectious, communicable, or preventable diseases within the Union; to advise and assist provincial administrations and local authorities in regard to matters affecting the public health; to promote or carry out researches and investigations in connection with the prevention or treatment of human diseases; to prepare and publish reports and statistical or other information relative to the public health, and generally to carry out in accordance with directions the powers and duties in relation to the public health conferred or imposed on the governor general or the minister by this act or otherwise."

The act also provides that "it shall be the duty of the department to obtain and publish periodically such information regarding infectious disease and other health matters in the Union, and such procurable information regarding epidemic disease in territories adjacent to the Union or in other countries, as the interests of the public health may require."

Without going into a detailed discussion of the provisions of the act, its scope is indicated by the matters dealt with in the separate chapters. It is divided into nine chapters relating to the following matters, respectively:

Chapter I. Administration.

Chapter II. Notification of infectious diseases.

**Chapter III. Prevention and suppression of infectious diseases, subdivided into parts, as follows:**

**Part 1. General provisions.**

**Part 2. Special provisions regarding formidable epidemic diseases.**

**Part 3. Financial provisions regarding infectious diseases (other than tuberculosis).**

**Part 4. Special provisions regarding tuberculosis.**

**Chapter IV. Venereal diseases.**

**Chapter V. Ports and inland borders of the Union.**

**Chapter VI. Vaccination against smallpox.**

**Chapter VII. Public water supplies, meat, milk, and other articles of food.**

**Chapter VIII. Sanitation and housing.**

**Chapter IX. General and supplementary.**

The governor general has appointed the Hon. Thomas Watt to administer the Department of Public Health.

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### **SALESWOMEN POSE AS PUBLIC HEALTH NURSES.**

A scheme which may cause annoyance to health departments has been reported to the Public Health Service from a West Virginia city. Women claiming to be nurses call at homes and present a card certifying that they are nurses and members of "The Health Society." In some cases the householder is led to believe that the "nurse" comes from the city health department or the Government. After gaining admission, the "nurse" attempts to sell a book.

This scheme, where an attempt is made to carry it out, may result in serious interference with the work of visiting nurses by causing people to look with suspicion on bona fide public health nurses sent out to give instruction in matters of personal hygiene and infant mortality.

# DEATHS DURING WEEK ENDED DEC. 27, 1919.

[From the "Weekly Health Index" Dec. 30, 1919, issued by the Bureau of the Census, Department of Commerce.]

*Deaths from all causes in certain large cities of the United States during the week ended Dec. 27, 1919, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceding years.*

City.	Population July 1, 1918, esti- mated.	Week ended Dec. 27, 1919.		Average annual death rate per 1,000. <sup>2</sup>	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. <sup>1</sup>		Week ended Dec. 27, 1919.	Previous year or years. <sup>3</sup>
Albany, N. Y.....	112,565	37	17.1	C	16.2	C 8.1
Atlanta, Ga.....	201,732	43	11.1	C	7.0	C 9.4
Baltimore, Md.....	669,981	214	16.7	A	18.4	A 11.8
Birmingham, Ala.....	197,670	36	9.5	A	18.8	A 11.5
Boston, Mass.....	785,245	221	14.7	A	16.5	A 15.6
Buffalo, N. Y.....	473,229	138	15.2	A	21.3	A 17.3
Cambridge, Mass.....	111,432	30	14.0	A	14.2	A 9.5
Chicago, Ill.....	2,596,681	604	12.1	A	14.5	A 17.5
Cincinnati, Ohio.....	418,022	130	16.2	C	15.5	C 5.7
Cleveland, Ohio.....	810,306	168	10.8	C	14.9	C 24.7
Columbus, Ohio.....	225,296	59	13.7	C	12.6	C 7.5
Dayton, Ohio.....	130,655	35	14.0	A	15.8	A 13.7
Denver, Colo.....	123,392	82	13.0	A	16.4	A 11.0
Fall River, Mass.....	135,450	32	12.3	C	14.7	C 30.6
Grand Rapids, Mich.....	290,389	75	13.1	C	14.5	C 13.5
Indianapolis, Ind.....	318,770	74	12.5	C	18.4	C 20.0
Jersey City, N. J.....	313,785	94	15.6	C	15.8	C 17.9
Kansas City, Mo.....	568,495	153	14.0	A	14.2	C 12.0
Los Angeles, Calif.....	242,707	54	11.6	C	14.5	A 6.8
Louisville, Ky.....	109,081	21	10.0	C	16.2	C 13.3
Lowell, Mass.....	154,759	49	16.5	C	16.1	A 21.0
Memphis, Tenn.....	453,481	92	10.6	C	22.7	C 6.1
Milwaukee, Wis.....	383,442	74	10.1	C	12.1	A 20.8
Minneapolis, Minn.....	119,215	40	17.5	C	10.9	C 11.5
Nashville, Tenn.....	428,684	101	12.3	A	20.7	C 6.4
Newark, N. J.....	154,865	30	10.1	C	16.1	A 14.9
New Haven, Conn.....	382,273	147	20.0	A	19.2	C 21.4
New Orleans, La.....	5,215,879	1,288	12.9	A	21.8	A 10.5
New York, N. Y.....	214,206	45	11.0	A	15.7	A 14.4
Oakland, Calif.....	180,264	45	13.0	C	12.7	A 10.3
Omaha, Neb.....	1,761,371	378	11.2	C	13.7	C 18.2
Philadelphia, Pa.....	598,303	185	16.2	C	22.3	C 9.7
Pittsburgh, Pa.....	61	-----	-----	C	22.7	C 12.5
Portland, Ore.....	263,613	69	13.6	C	7.3	C 7.0
Providence, R. I.....	160,719	51	16.5	C	16.1	C 11.3
Richmond, Va.....	264,856	63	12.4	C	16.4	C 12.0
Rochester, N. Y.....	779,951	212	14.2	C	12.5	C 11.3
St. Louis, Mo.....	257,699	52	10.5	C	14.3	C 14.7
St. Paul, Minn.....	478,530	180	19.6	C	11.6	C 12.5
San Francisco, Calif.....	75	-----	-----	C	14.2	C 10.9
Seattle, Wash.....	161,404	36	11.6	A	8.4	C 9.4
Spokane, Wash.....	262,234	53	10.5	C	7.3	C 18.2
Syracuse, N. Y.....	401,681	122	15.8	C	13.5	C 19.5
Toledo, Ohio.....	173,650	48	14.4	A	13.4	A 16.8
Washington, D. C.....	-----	-----	-----	A	19.3	A 9.1
Worcester, Mass.....	-----	-----	-----	C	15.9	C 7.7

<sup>1</sup> Annual rates per 1,000 estimated population.

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

<sup>3</sup> Population estimated as of July 1, 1919.

<sup>4</sup> Data are based on statistics of 1915, 1916, and 1917.

*Summary of information received by telegraph from industrial insurance companies for week ended Dec. 27, 1919.*

Policies in force.....	42, 253, 353
Number of death claims.....	6, 865
Death claims per 1,000 policies in force, annual rate.....	8.5

# PREVALENCE OF DISEASE.

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

## UNITED STATES.

### CURRENT STATE SUMMARIES.

#### Telegraphic Reports for Week Ended Jan. 3, 1920.

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

ALABAMA.		CALIFORNIA—continued.	
	Cases.		Cases.
Diphtheria .....	25	Lethargic encephalitis .....	1
Measles .....	18	Smallpox :	
Pneumonia .....	2	Humboldt County .....	4
Scarlet fever .....	14	Long Beach .....	12
Smallpox .....	30	Los Angeles County .....	9
Tuberculosis (pulmonary) .....	13	Napa .....	4
Typhoid fever .....	5	Oakland .....	5
Venereal diseases .....	130	San Francisco .....	4
		Scattering .....	21
		Typhoid fever .....	8
ARKANSAS.		CONNECTICUT.	
Chancroid .....	3	Cerebrospinal meningitis :	
Chicken pox .....	48	New Haven .....	1
Diphtheria .....	35	Waterbury .....	2
Gonorrhea .....	47	Chicken pox .....	32
Hookworm .....	1	Diphtheria :	
Influenza .....	52	Fairfield County—	
Malaria .....	60	Bridgeport .....	22
Measles .....	5	Hartford County—	
Ophthalmia neonatorum .....	1	Hartford .....	10
Pellagra .....	11	Litchfield County—	
Scarlet fever .....	46	Torrington .....	4
Smallpox .....	21	New Haven County—	
Syphilis .....	35	Derby .....	4
Trachoma .....	4	New Haven .....	10
Tuberculosis .....	22	Orange .....	4
Typhoid fever .....	23	Wallingford .....	8
Whooping cough .....	12	Waterbury .....	11
		Scattering .....	40
CALIFORNIA.		Erysipelas .....	1
Cerebrospinal meningitis :		Gonorrhea .....	17
Sacramento .....	1	Influenza .....	1

CONNECTICUT—continued.		Cases.
<b>Measles:</b>		
Fairfield County—		
Bridgeport	-----	37
New Canaan	-----	5
Newtown	-----	5
Stratford	-----	4
New Haven County—		
Hamden	-----	6
Middlebury	-----	4
Milford	-----	7
New Haven	-----	51
New London County—		
Norwich	-----	5
Windham County—		
Plainfield—Epidemic.	-----	
Sterling	-----	6
Scattering	-----	21
Mumps	-----	13
Ophthalmia neonatorum	-----	1
Pneumonia	-----	6
<b>Scarlet fever:</b>		
Fairfield County—		
Bridgeport	-----	5
Hartford County—		
Hartford	-----	20
New Haven County—		
Meriden	-----	11
New Haven	-----	7
Waterbury	-----	34
Scattering	-----	33
Syphilis	-----	8
Tuberculosis	-----	17
Typhoid fever	-----	3
Whooping cough	-----	36
<b>DELAWARE.</b>		
<b>Anthrax, Wilmington</b>		
-----	-----	1
<b>Chicken pox</b>		
-----	-----	1
<b>Diphtheria</b>		
-----	-----	4
<b>Erysipelas</b>		
-----	-----	1
<b>Influenza</b>		
-----	-----	1
<b>Measles:</b>		
Middletown		
-----	-----	19
New Castle		
-----	-----	6
Wilmington		
-----	-----	7
Scattering		
-----	-----	6
<b>Mumps</b>		
-----	-----	6
<b>Pneumonia</b>		
-----	-----	5
<b>Scarlet fever</b>		
-----	-----	3
<b>Smallpox</b>		
-----	-----	2
<b>Tuberculosis</b>		
-----	-----	3
<b>Typhoid fever</b>		
-----	-----	2
<b>Whooping cough</b>		
-----	-----	1
<b>FLORIDA.</b>		
<b>Cerebrospinal meningitis:</b>		
Lafayette County		
-----	-----	1
Pasco County		
-----	-----	1
<b>Diphtheria</b>		
-----	-----	8
<b>Dysentery</b>		
-----	-----	1
<b>Influenza</b>		
-----	-----	14
<b>Malaria</b>		
-----	-----	21
<b>Pneumonia</b>		
-----	-----	5
<b>Poliomyelitis, Putnam County</b>		
-----	-----	1
<b>Scarlet fever</b>		
-----	-----	3

FLORIDA—continued.		Cases.
<b>Smallpox</b>		
-----	-----	1
<b>Typhoid fever</b>		
-----	-----	8
<b>GEORGIA.</b>		
<b>Cerebrospinal meningitis</b>		
-----	-----	2
<b>Chicken pox</b>		
-----	-----	17
<b>Diphtheria</b>		
-----	-----	22
<b>Gonorrhea</b>		
-----	-----	24
<b>Hookworm</b>		
-----	-----	26
<b>Influenza</b>		
-----	-----	10
<b>Malaria</b>		
-----	-----	22
<b>Measles</b>		
-----	-----	9
<b>Mumps</b>		
-----	-----	1
<b>Paratyphoid fever</b>		
-----	-----	1
<b>Pneumonia</b>		
-----	-----	24
<b>Scarlet fever</b>		
-----	-----	17
<b>Septic sore throat</b>		
-----	-----	14
<b>Smallpox</b>		
-----	-----	2
<b>Syphilis</b>		
-----	-----	16
<b>Tuberculosis (pulmonary)</b>		
-----	-----	15
<b>Tuberculosis (other forms)</b>		
-----	-----	1
<b>Typhoid fever</b>		
-----	-----	5
<b>Whooping cough</b>		
-----	-----	8
<b>ILLINOIS.</b>		
<b>Cerebrospinal meningitis:</b>		
Carbondale		
-----	-----	1
Evanston		
-----	-----	1
Harvey		
-----	-----	1
Litchfield		
-----	-----	1
Millbrook		
-----	-----	1
Peoria		
-----	-----	3
Tremont		
-----	-----	1
<b>Chancroid</b>		
-----	-----	12
<b>Diphtheria:</b>		
Chicago		
-----	-----	145
Normal		
-----	-----	4
Peoria		
-----	-----	4
Scattering		
-----	-----	72
<b>Gonorrhea</b>		
-----	-----	232
<b>Influenza:</b>		
Chicago		
-----	-----	43
East St. Louis		
-----	-----	4
Pekin		
-----	-----	4
Scattering		
-----	-----	9
<b>Lethargic encephalitis:</b>		
Chicago		
-----	-----	5
<b>Poliomyelitis:</b>		
Whitehall		
-----	-----	1
Gela		
-----	-----	1
<b>Scarlet fever:</b>		
Bluemound		
-----	-----	4
Chicago		
-----	-----	220
Oak Park		
-----	-----	7
Rockford		
-----	-----	8
Sullivan		
-----	-----	4
Woodstock		
-----	-----	9
Scattering		
-----	-----	78
<b>Smallpox:</b>		
Benton		
-----	-----	4
Broughton		
-----	-----	7
Demining		
-----	-----	20
Eastern		
-----	-----	4
Equality		
-----	-----	20
Monmouth		
-----	-----	37

ILLINOIS—continued.		IOWA.	
	Cases.		Cases.
Smallpox—Continued.		Chancroid .....	3
O'Fallon .....	7	Chicken pox .....	10
Virden .....	7	Diphtheria :	
Scattering .....	38	Benton County .....	4
Syphilis .....	130	Des Moines .....	10
		Scattering .....	7
		Gonorrhea .....	84
		Influenza .....	1
		Measles, Mason City .....	30
		Scarlet fever :	
		Des Moines .....	7
		Humboldt County .....	15
		Marion County .....	4
		Polk County .....	11
		Sac County .....	4
		Scattering .....	22
		Smallpox :	
		Butler County .....	5
		Davenport .....	24
		Greenfield .....	4
		Sutherland .....	7
		Scattering .....	21
		Syphilis .....	29
		KANSAS.	
		Diphtheria .....	80
		Influenza .....	22
		Scarlet fever .....	99
		Smallpox .....	32
		LOUISIANA.	
		Chancroid .....	10
		Diphtheria .....	17
		Gonorrhea .....	74
		Influenza .....	32
		Plague (bubonic) .....	1
		Scarlet fever .....	10
		Smallpox .....	8
		Syphilis .....	35
		Typhoid fever .....	9
		MAINE.	
		Chancroid .....	1
		Chicken pox .....	14
		Diphtheria :	
		Lewiston .....	5
		Scattering .....	5
		Gonorrhea .....	23
		Influenza :	
		Augusta .....	1
		Portland .....	6
		Measles .....	2
		Mumps .....	3
		Pneumonia .....	4
		Scarlet fever :	
		Bangor .....	12
		Portland .....	7
		Sanford .....	4
		Scattering .....	15
		Smallpox :	
		East Livermore .....	4
		Jay .....	6

\* This case of plague was noted in Public Health Reports, Jan. 2, 1920, page 33.

## MAINE—continued.

Smallpox—Continued.	Cases.
Lewiston.....	6
Scattering.....	6
Syphilis.....	11
Tuberculosis.....	20
Typhoid fever.....	3
Whooping cough.....	11

## MASSACHUSETTS.

Cerebrospinal meningitis.....	4
Chicken pox.....	178
Conjunctivitis (suppurative).....	5
Diphtheria.....	210
Gonorrhea.....	140
Influenza.....	41
Measles (German).....	7
Measles.....	823
Mumps.....	188
Ophthalmia neonatorum.....	28
Pneumonia (lobar).....	109
Poliomyelitis.....	1
Rabies in animals.....	1
Scarlet fever.....	355
Septic sore throat.....	6
Syphilis.....	50
Trachoma.....	1
Tuberculosis (pulmonary).....	110
Tuberculosis (other forms).....	10
Typhoid fever.....	20
Whooping cough.....	197

## MINNESOTA.

Cerebrospinal meningitis.....	1
Chancroid.....	7
Gonorrhea.....	92
Poliomyelitis.....	1
Smallpox (new foci):	
Clearwater County—	
Dudley Township.....	1
Douglas County—	
Solen Township.....	1
Urness Township.....	1
Itaska County—	
Keewatin Village.....	1
Rock County—	
Clinton Township.....	3
Traverse County—	
Redpath Township.....	1
Wabasha County—	
Elgin Township.....	1
Syphilis.....	112

## MONTANA.

Cerebrospinal meningitis:	
Hydro.....	1
Diphtheria.....	4
Influenza.....	2
Scarlet fever.....	32
Smallpox.....	12
Typhoid fever.....	7

## NEBRASKA.

Chicken pox.....	8
Diphtheria:	
Harvard.....	1
Omaha.....	9

## NEBRASKA—continued.

	Cases.
Measles.....	2
Mumps.....	2
Scarlet fever:	
Omaha.....	16
Scattering.....	11
Smallpox:	
Alliance.....	11
Ashland.....	6
Bellwood.....	10
Burchard.....	5
Chambers.....	11
Fremont.....	5
Lincoln.....	5
Omaha.....	7
Richardson County.....	8
Swedeburg.....	4
Wahoo.....	8
Scattering.....	24
Tuberculosis.....	12
Typhoid fever.....	2
Whooping cough.....	6

## NEW JERSEY.

Chicken pox:	
Atlantic City, unusual prevalence.	
Diphtheria:	
Atlantic City, unusual prevalence.	
Influenza.....	22
Pneumonia.....	140
Smallpox:	
Outbreaks under investigation—	
Montclair.	
Bloomfield.	

## NEW MEXICO.

Chancroid.....	2
Chicken pox.....	9
Diphtheria.....	6
Gonorrhea.....	4
Influenza.....	2
Malaria.....	1
Measles.....	10
Mumps.....	16
Pneumonia.....	7
Scarlet fever.....	7
Septic sore throat.....	5
Smallpox.....	2
Tuberculosis.....	7
Typhoid fever.....	2

## NEW YORK.

(Exclusive of New York City.)

Anthrax, Endicott.....	2
Cerebrospinal meningitis:	
Buffalo.....	1
Fredonia.....	1
Whitestown.....	1
Diphtheria:	
Erie County.....	102
Scattering.....	206
Gonorrhea.....	39
Influenza.....	52

NEW YORK—continued.	Cases.
Pneumonia .....	174
Scarlet fever .....	203
Smallpox :	
Buffalo .....	5
Scattering .....	8
Syphilis .....	137
Typhoid fever .....	24
NORTH CAROLINA.	
Chancroid .....	7
Cerebrospinal meningitis .....	2
Chicken pox .....	73
Diphtheria .....	71
Gonorrhea .....	57
Measles .....	51
Pneumonia (broncho) .....	27
Pneumonia (lobar) .....	49
Scarlet fever .....	56
Smallpox .....	92
Syphilis .....	24
Typhoid fever .....	10
Whooping cough .....	81
OHIO.	
Diphtheria :	
Belmont County—	
Richmond Township .....	13
Cincinnati .....	34
Lima .....	16
Scarlet fever :	
Akron .....	48
Cincinnati .....	109
Lima .....	20
Norwalk .....	14
Smallpox :	
Franklin .....	23
Warren County—	
Franklin Township .....	14
Typhoid fever :	
Lima .....	7
VERMONT	
Chicken pox .....	38
Diphtheria .....	8
Gonorrhea .....	9
Measles .....	83
Mumps .....	137
Poliomyelitis .....	1
Scarlet fever .....	9
Syphilis .....	2
Typhoid fever .....	2
Whooping cough .....	92

WASHINGTON.	Cases.
Chicken pox .....	70
Diphtheria .....	37
Measles .....	105
Mumps .....	44
Pneumonia .....	2
Scarlet fever .....	45
Smallpox .....	108
Tuberculosis .....	3
Typhoid fever .....	21
Whooping cough .....	32

WEST VIRGINIA.	
Cerebrospinal meningitis :	
Charleston .....	1
Parsons .....	1
Diphtheria :	
Martinsburg .....	4
Parkersburg .....	4
Scattering .....	15
Measles :	
Terra Alta .....	1
Wheeling .....	9
Scarlet fever :	
Buckhannon .....	5
Clarksburg .....	5
Martinsburg .....	7
Morgantown .....	4
Scattering .....	10
Smallpox .....	2
Typhoid fever .....	4

WISCONSIN.	
Milwaukee :	
Chicken pox .....	25
Diphtheria .....	34
Erysipelas .....	3
Measles .....	18
Scarlet fever .....	27
Smallpox .....	9
Tuberculosis .....	20
Whooping cough .....	25
Scattering :	
Cerebrospinal meningitis .....	2
Chicken pox .....	59
Diphtheria .....	27
Influenza .....	6
Measles .....	34
Scarlet fever .....	87
Smallpox .....	156
Tuberculosis .....	11
Typhoid fever .....	3
Whooping cough .....	16



## SUMMARY OF CASES REPORTED MONTHLY BY STATES.

Tables showing by counties the reported cases of cerebrospinal meningitis, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of these diseases. (See names of these and other diseases in the table of contents.)

The following monthly State reports include only those which were received during the current week. These reports appear each week as received.

State.	Cerebro-spinal meningitis.	Diphtheria.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<b>NOVEMBER, 1919.</b>									
Alabama.....	4	125	122	15	24	.....	43	43	68
Connecticut.....	5	576	.....	473	.....	1	358	.....	43
Idaho.....	.....	16	.....	4	.....	2	112	352	14
Indiana.....	2	390	.....	126	.....	2	506	438	118
Iowa.....	5	153	.....	.....	.....	1	236	215	.....
Mississippi.....	4	362	8,719	30	220	8	163	126	263
North Dakota.....	.....	72	.....	34	.....	.....	39	31	16
Ohio.....	8	1,355	5	1,525	.....	11	1,122	236	302
Oregon.....	.....	19	.....	58	.....	.....	149	372	16
South Carolina.....	2	377	82	82	7	2	36	32	29
South Dakota.....	.....	18	.....	10	.....	.....	154	64	16

## ANTHRAX.

### City Reports for Week Ended Dec. 20, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Camden, N. J.....	1	.....	Worcester, Mass.....	1	.....
Des Moines, Iowa.....	.....	1	Yonkers, N. Y.....	1	.....
New York, N. Y.....	.....	1			

## CEREBROSPINAL MENINGITIS.

### State Reports for November, 1919.

Place.	New cases reported.	Place.	New cases reported.
<b>Alabama:</b>		<b>Iowa—Continued.</b>	
Baldwin County.....	1	Dubuque County.....	1
Chambers County.....	1	Floyd County.....	1
Houston County.....	1	Guthrie County.....	1
Lee County.....	1	Total.....	5
Total.....	4		
<b>Connecticut:</b>		<b>Mississippi:</b>	
Hartford County—		Covington County.....	1
Hartford.....	1	Warren County.....	1
Manchester.....	1	Washington County.....	2
Suffield.....	1	Total.....	4
New Haven County—			
Waterbury.....	1	<b>Ohio:</b>	
New London County—		Darke County.....	1
Groton.....	1	Franklin County.....	2
Total.....	5	Hamilton County.....	1
		Mahoning County.....	1
<b>Indiana:</b>		Miami County.....	1
Jackson County.....	1	Summit County.....	2
Kosciusko County.....	1	Total.....	8
Total.....	2		
		<b>South Carolina:</b>	
<b>Iowa:</b>		Orangeburg County.....	1
Clay County.....	1	Richland County.....	1
Clinton County.....	1	Total.....	2

**CEREBROSPINAL MENINGITIS—Continued.****City Reports for Week Ended Dec. 20, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....		1	Minneapolis, Minn.....	2	
Boise, Idaho.....	1		Mount Vernon, N. Y.....	1	1
Boston, Mass.....	1	1	New York, N. Y.....	7	4
Butte, Mont.....	1	1	Philadelphia, Pa.....	2	
Cincinnati, Ohio.....		1	Pittsburgh, Pa.....	1	
Columbus, Ohio.....	1	1	Schnectady, N. Y.....	1	1
East Chicago, Ind.....		1	Springfield, Mass.....		1
Haverhill, Mass.....	1		Syracuse, N. Y.....	1	
Kansas City, Mo.....	1		Topcka, Kans.....		1
Los Angeles, Calif.....	1		Tucson, Ariz.....	1	
Milwaukee, Wis.....		1			

**DIPHTHERIA.**

See Telegraphic weekly reports from States, p. 72; Monthly summaries by States, p. 77; and Weekly reports from cities, p. 89.

**INFLUENZA.****Cases Reported by State Health Officers, Week Ended Jan. 3, 1920.**

Cases.	Cases.
Arkansas..... 52	Louisiana..... 32
Connecticut..... 1	Maine..... 7
Delaware..... 1	Massachusetts..... 41
Florida..... 14	Montana..... 2
Georgia..... 10	New Jersey..... 22
Illinois..... 60	New Mexico..... 2
Indiana..... 31	New York (exclusive of New York City)..... 52
Iowa..... 1	Wisconsin..... 6
Kansas..... 22	

**LETHARGIC ENCEPHALITIS.****California and Connecticut.**

During the month of November, 1919, two cases of lethargic encephalitis were reported in Connecticut. During the week ended December 20, 1919, two deaths were reported at San Francisco, Calif.

## MALARIA.

## State Reports for November, 1919.

Place.	New cases reported.	Place.	New cases reported.
<b>Alabama:</b>		<b>Mississippi.—Continued.</b>	
Baldwin County.....	1	Lee County.....	156
Bibb County.....	1	LeFlore County.....	143
Butler County.....	2	Lincoln County.....	67
Calhoun County.....	2	Lowndes County.....	62
Crenshaw County.....	3	Madison County.....	30
Geneva County.....	1	Marion County.....	82
Greene County.....	1	Marshall County.....	26
Hale County.....	1	Monroe County.....	52
Henry County.....	14	Montgomery County.....	65
Houston County.....	30	Neshoba County.....	25
Lauderdale County.....	3	Newton County.....	44
Lawrence County.....	1	Noxubee County.....	71
Mobile County.....	1	Oktibbeha County.....	110
Montgomery County.....	8	Panola County.....	87
Pickens County.....	1	Pearl River County.....	92
Randolph County.....	1	Perry County.....	22
Talladega County.....	17	Pike County.....	60
Tuscaloosa County.....	23	Pontotoc County.....	107
Walker County.....	8	Prentiss County.....	50
Washington County.....	1	Quitman County.....	247
Wilcox County.....	2	Rankin County.....	35
<b>Total.....</b>	<b>122</b>	Scott County.....	94
<b>Mississippi:</b>		Simpson County.....	108
Adams County.....	113	Smith County.....	41
Alcorn County.....	31	Stone County.....	27
Amite County.....	79	Sunflower County.....	443
Attala County.....	74	Tallahatchie County.....	235
Benton County.....	7	Tate County.....	96
Bolivar County.....	753	Tippah County.....	24
Calhoun County.....	48	Tishomingo County.....	89
Carroll County.....	70	Tunica County.....	182
Chickasaw County.....	8	Union County.....	59
Choctaw County.....	43	Walsh County.....	10
Claiborne County.....	86	Warren County.....	311
Clarke County.....	71	Washington County.....	264
Clay County.....	55	Wayne County.....	42
Coahoma County.....	462	Webster County.....	33
Copiah County.....	133	Wilkinson County.....	47
Covington County.....	72	Winston County.....	144
De Soto County.....	91	Yalobusha County.....	48
Forest County.....	83	Yazoo County.....	303
Franklin County.....	70	<b>Total.....</b>	<b>8,719</b>
George County.....	15	<b>Ohio:</b>	
Greene County.....	27	Ashland County.....	1
Grenada County.....	44	Aug'ize County.....	4
Hancock County.....	118	<b>Total.....</b>	<b>5</b>
Harrison County.....	32	<b>South Carolina:</b>	
Hinds County.....	280	Anderson County.....	1
Holmes County.....	504	Beaufort County.....	12
Humphreys County.....	222	Chester County.....	8
Issaquena County.....	88	Chesterfield County.....	3
Itawamba County.....	12	Fairfield County.....	4
Jackson County.....	40	Horry County.....	2
Jasper County.....	94	Lexington County.....	7
Jefferson County.....	71	Marion County.....	23
Jefferson Davis County.....	32	Orangeburg County.....	10
Jones County.....	112	Spartanburg County.....	1
Kemper County.....	39	Union County.....	6
Lafayette County.....	49	York County.....	5
Lamar County.....	49	<b>Total.....</b>	<b>82</b>
Lauderdale County.....	53		
Lawrence County.....	214		
Leake County.....	42		

## City Reports for Week Ended Dec. 20, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Brunswick, Ga.....	1	.....	P'ainfield, N. J.....	1	.....
Dallas, Tex.....	2	.....	Savannah, Ga.....	1	.....
New Orleans, La.....	1	1	Terre Haute, Ind.....	.....	1
Northampton, Mass.....	1	.....			

**MEASLES.**

See Telegraphic weekly reports from States, p. 72; Monthly summaries by States, p. 77; and Weekly reports from cities, p. 89.

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

Place.	New cases reported.	Place.	New cases reported.
<b>Alabama:</b>		<b>Mississippi—Continued.</b>	
Bibb County.....	2	Lawrence County.....	4
Butler County.....	1	Lee County.....	3
Calhoun County.....	1	Leflore County.....	2
Chambers County.....	1	Lincoln County.....	5
Etowah County.....	1	Lowndes County.....	1
Fayette County.....	1	Madison County.....	5
Lee County.....	1	Marion County.....	2
Mobile County.....	12	Marshall County.....	5
Pickens County.....	1	Pearl River County.....	1
Sumter County.....	1	Perry County.....	1
Talladega County.....	1	Pike County.....	2
Walker County.....	1	Prentiss County.....	1
<b>Total.....</b>	<b>24</b>	Quitman County.....	2
<b>Mississippi:</b>		Sharkey County.....	1
Adams County.....	5	Simpson County.....	1
Amite County.....	3	Sunflower County.....	8
Attala County.....	1	Tallahatchie County.....	1
Bolivar County.....	29	Tippah County.....	1
Chickasaw County.....	3	Tishomingo County.....	4
Choctaw County.....	2	Tunica County.....	6
Clay County.....	4	Union County.....	1
Coahoma County.....	23	Walthall County.....	1
Copiah County.....	4	Warren County.....	16
Covington County.....	1	Washington County.....	4
De Soto County.....	4	Webster County.....	1
Forest County.....	10	Winston County.....	1
George County.....	1	Yalobusha County.....	2
Hinds County.....	13	Yazoo County.....	5
Holmes County.....	6	<b>Total.....</b>	<b>220</b>
Humphreys County.....	4	<b>South Carolina:</b>	
Itawamba County.....	3	Anderson County.....	1
Jackson County.....	1	Greenville County.....	1
Jasper County.....	4	Horry County.....	1
Jefferson Davis County.....	2	Kershaw County.....	2
Jones County.....	7	Marion County.....	2
Lamar County.....	2	<b>Total.....</b>	<b>7</b>
Lauderdale County.....	1		

**City Reports for Week Ended Dec. 20, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....		1	Los Angeles, Calif.....	2	1
Charleston, S. C.....		1	New Orleans, La.....	1	1
Dallas, Tex.....	1		Richmond, Va.....		1
Durham, N. C.....	1	1			

## PNEUMONIA (ALL FORMS).

City Reports for Week Ended Dec. 20, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	3	2	Kokomo, Ind.....		1
Alton, Ill.....	1	1	Lackawanna, N. Y.....	7	1
Amesbury, Mass.....	3	1	La Crosse, Wis.....		1
Anderson, Ind.....	1	1	La Salle, Ill.....	1	1
Appleton, Wis.....		1	Lawrence, Mass.....		1
Ashland, Ky.....	1		Leominster, Mass.....	2	
Ashtabula, Ohio.....		1	Lexington, Ky.....		4
Atlanta, Ga.....	1	9	Lima, Ohio.....		3
Baltimore, Md.....	58	32	Little Rock, Ark.....	4	
Berkeley, Calif.....	1		Lockport, N. Y.....	2	1
Beverly, Mass.....		2	Logansport, Ind.....		1
Binghamton, N. Y.....	4		Long Beach, Calif.....	1	
Birmingham, Ala.....		9	Lorain, Ohio.....	1	
Bloomfield, N. J.....	1	1	Los Angeles, Calif.....	29	15
Boston, Mass.....	34	19	Louisville, Ky.....	10	4
Bristol, Conn.....		1	Lowell, Mass.....	3	1
Brookline, Mass.....		1	Ludington, Mich.....	1	
Buffalo, N. Y.....	17	4	Madison, Wis.....		2
Burlington, Vt.....		2	Malden, Mass.....		2
Cambridge, Mass.....	9	4	Manchester, N. H.....	3	3
Camden, N. J.....	4		Mankato, Minn.....		1
Cape Girardeau, Mo.....		1	Marlboro, Mass.....	1	
Chanute, Kans.....		1	Medford, Mass.....	3	2
Charleston, S. C.....		3	Melrose, Mass.....		1
Charlotte, N. C.....		1	Methuen, Mass.....	1	1
Chelsea, Mass.....	2	1	Middletown, N. Y.....	1	1
Chicago, Ill.....	249	86	Milwaukee, Wis.....		20
Chicopee, Mass.....		1	Minneapolis, Minn.....		11
Cincinnati, Ohio.....		12	Mishawaka, Ind.....		1
Cleveland, Ohio.....	27	22	Missoula, Mont.....		1
Columbus, Ga.....	5		Moline, Ill.....		1
Covington, Ky.....	2	1	Monmouth, Ill.....		1
Cumberland, Md.....	2		Montclair, N. J.....	7	
Dallas, Tex.....	9	1	Montgomery, Ala.....		3
Danville, Ill.....		1	Morgantown, W. Va.....	1	1
Denver, Colo.....		7	Muscatine, Iowa.....	1	
Detroit, Mich.....	6	32	Nashville, Tenn.....	3	4
Dubuque, Iowa.....		2	Newark, N. J.....	63	10
Duluth, Minn.....		3	New Bedford, Mass.....	4	6
Durham, N. C.....		1	New Britain, Conn.....		3
East Chicago, Ind.....		4	New Castle, Ind.....	1	1
East Orange, N. J.....	1	1	New Haven, Conn.....		8
East St. Louis, Ill.....	2	2	New Orleans, La.....		9
Elizabeth, N. J.....		3	Newton, Mass.....		1
El Paso, Tex.....		8	New York, N. Y.....	281	155
Englewood, N. J.....		1	Niagara Falls, N. Y.....	3	4
Evansville, Ind.....	4	1	North Tonawanda, N. Y.....		1
Fall River, Mass.....		5	Norwalk, Conn.....	2	
Findlay, Ohio.....	2	2	Norwood, Ohio.....		1
Flint, Mich.....	2	2	Oakland, Calif.....	1	3
Fond du Lac, Wis.....		2	Oak Park, Ill.....		1
Fort Wayne, Ind.....		4	Oklahoma City, Okla.....	3	2
Fort Worth, Tex.....		3	Olean, N. Y.....		1
Fremont, Nebr.....		1	Omaha, Nebr.....		6
Galesburg, Ill.....		1	Passaic, N. J.....		2
Gardner, Mass.....	1		Paterson, N. J.....	11	
Gary, Ind.....		1	Peoria, Ill.....		2
Geneva, N. Y.....	1	2	Philadelphia, Pa.....	99	66
Glens Falls, N. Y.....			Pine Bluff, Ark.....	2	
Grand Rapids, Mich.....	7		Pittsfield, Mass.....	3	
Great Falls, Mont.....		1	Plainfield, N. J.....		2
Greeley, Colo.....	1		Pontiac, Mich.....	4	1
Green Bay, Wis.....		1	Port Huron, Mich.....	4	1
Greensboro, N. C.....		1	Portland, Oreg.....		9
Greenwich, Conn.....	1		Poughkeepsie, N. Y.....	2	
Hackensack, N. J.....		1	Quincy, Mass.....	1	3
Hammond, Ind.....		1	Raleigh, N. C.....	2	
Hartford, Conn.....	1	5	Richmond, Va.....		6
Haverhill, Mass.....	1		Roanoke, Va.....	5	1
Hibbing, Minn.....	2		Rochester, N. Y.....	11	4
Holyoke, Mass.....	2	3	Rock Island, Ill.....		1
Ishpeming, Mich.....		1	Rocky Mount, N. C.....		2
Jersey City, N. J.....	7		Rutland, Vt.....		1
Joplin, Mo.....	1		Sacramento, Calif.....	1	3
Kalamazoo, Mich.....	5	3	Saginaw, Mich.....	1	1
Kansas City, Kans.....	5		St. Joseph, Mo.....	1	4
Kansas City, Mo.....	27	17	St. Paul, Minn.....		9
Keary, N. J.....	4		Salt Lake City, Utah.....		4
Keene, N. H.....	1	1	San Bernardino, Calif.....		1
Kenosha, Wis.....		2	San Diego, Calif.....	2	1

**PNEUMONIA (ALL FORMS)—Continued.****City Reports for Week Ended Dec. 20, 1919—Continued.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
San Francisco, Calif.....		8	Trenton, N. J.....	3	2
Santa Cruz, Calif.....	2	1	Troy, N. Y.....	4	4
Savannah, Ga.....		5	Wakefield, Mass.....		1
Schenectady, N. Y.....	4	1	Waltham, Mass.....	3	1
Sioux Falls, S. Dak.....	1		Westfield, Mass.....		2
South Bend, Ind.....		1	West Hoboken, N. J.....		1
Spartanburg, S. C.....		1	West Orange, N. J.....	1	
Springfield, Mass.....	6	3	Wheeling, W. Va.....	1	2
Springfield, Ohio.....		2	White Plains, N. Y.....	2	1
Staunton, Va.....	1		Wichita, Kans.....		3
Stockton, Calif.....		1	Wilmington, Del.....		8
Syracuse, N. Y.....	2	2	Winona, Minn.....		1
Taunton, Mass.....		2	Winston-Salem, N. C.....	9	1
Terre Haute, Ind.....		3	Winthrop, Mass.....	1	
Toledo, Ohio.....		6	Worcester, Mass.....	5	6
Topeka, Kans.....	2	2	Yonkers, N. Y.....	4	2

**POLIOMYELITIS (INFANTILE PARALYSIS).****State Reports for November, 1919.**

Place.	New cases reported.	Place.	New cases reported.
Connecticut:		Mississippi—Continued.	
New Haven County—		Madison County.....	1
New Haven.....	1	Pearl River County.....	2
Idaho:		Total.....	8
Gem County.....	1	Ohio:	
Payette County.....	1	Allen County.....	1
Total.....	2	Butler County.....	1
Indiana:		Cuyahoga County.....	2
Henry County.....	1	Defiance County.....	1
Lawrence County.....	1	Hocking County.....	1
Total.....	2	Lucas County.....	3
Iowa:		Summit County.....	1
Floyd County.....	1	Van Wert County.....	1
Mississippi:		Total.....	11
Adams County.....	1	South Carolina:	
Cotiah County.....	1	Kershaw County.....	1
Jasper County.....	1	Lexington County.....	1
Lincoln County.....	2	Total.....	2

**Winthrop, Mass.—Week Ended Dec. 20, 1919.**

During the week ended December 20, 1919, one case of poliomyelitis was reported at Winthrop, Mass.

**RABIES IN ANIMALS.****City Reports for Week Ended Dec. 20, 1919.**

Place.	Cases.	Place.	Cases
Akron, Ohio.....	3	Fall River, Mass.....	1
Cincinnati, Ohio.....	1	Kansas City, Mo.....	4
East Orange, N. J.....	1		

# RABIES IN MAN.

Philadelphia, Pa.—Week Ended Dec. 20, 1919.

During the week ended December 20, 1919, one fatal case of rabies in man was reported at Philadelphia, Pa.

# SCARLET FEVER.

See Telegraphic weekly reports from States, p. 72; Monthly summaries by States, p. 77; and Weekly reports from cities, p. 89.

# SMALLPOX.

Ohio Report for November, 1919—Vaccination Histories.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within seven years preceding attack.	Last vaccinated more than seven years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
Ohio:						
Athens County.....	3					3
Champaign County.....	1				1	
Columbiana County.....	2					2
Coshocton County.....	1				1	
Crawford County.....	2				1	1
Cuyahoga County.....	10					10
Darke County.....	12				11	1
Fayette County.....	4					4
Franklin County.....	2					2
Hamilton County.....	9				4	5
Hancock County.....	1				1	
Henry County.....	2					2
Highland County.....	1					1
Jefferson County.....	19				17	2
Lake County.....	3				2	1
Lawrence County.....	1					1
Logan County.....	3				2	1
Lorain County.....	14				9	5
Lucas County.....	1					1
Madison County.....	1					1
Mahoning County.....	30				11	19
Marion County.....	3					3
Miami County.....	32				28	4
Preble County.....	1					1
Richland County.....	39			2	30	7
Ross County.....	7				5	2
Scioto County.....	9				1	8
Seneca County.....	1				1	
Stark County.....	7					7
Tuscarawas County.....	1				1	
Warren County.....	7		1	1	4	1
Wyandot County.....	7				7	
Total.....	236		1	3	137	95

**SMALLPOX—Continued.**  
**State Reports for November, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Alabama:</b>			<b>Iowa:</b>		
Calhoun County.....	1		Audubon County.....	7	
Clarke County.....	4		Blackhawk County.....	26	
Cleburne County.....	1		Bremer County.....	3	
Cullman County.....	6		Carroll County.....	3	
Etowah County.....	6		Clinton County.....	10	
Geneva County.....	1		Dubuque County.....	8	
Marshall County.....	9		Emmet County.....	2	
Mobile County.....	2		Floyd County.....	1	
Montgomery County.....	1		Hardin County.....	22	
Talladega County.....	7		Harrison County.....	3	
Tuscaloosa County.....	4		Henry County.....	1	
Walker County.....	1		Jackson County.....	1	
<b>Total.....</b>	<b>43</b>		Linn County.....	1	
<b>Idaho:</b>			Pottawattamie County.....	2	
Ada County.....	20		Ringold County.....	4	
Bannock County.....	30		Scott County.....	93	
Benewah County.....	12		Shelby County.....	10	
Bonner County.....	9		Tama County.....	15	
Bonneville County.....	26		Webster County.....	3	
Camas County.....	1		<b>Total.....</b>	<b>215</b>	
Canyon County.....	22		<b>Mississippi:</b>		
Cassia County.....	53		Bolivar County.....	23	
Custer County.....	3		Carroll County.....	1	
Elmore County.....	70		Grenada County.....	1	
Fremont County.....	9		Hinds County.....	18	
Gem County.....	15		Leflore County.....	23	
Gooding County.....	3		Lowndes County.....	2	
Jefferson County.....	2		Marshall County.....	1	
Jerome County.....	4		Newton County.....	1	
Kootenai County.....	11		Oktibbeha County.....	1	
Lincoln County.....	2		Panola County.....	1	
Minidoka County.....	20		Quitman County.....	24	
Owyhee County.....	5		Sunflower County.....	12	
Shoshone County.....	2		Tallahatchie County.....	14	
Twin Falls County.....	29		Warren County.....	2	
Valley County.....	3		Washington County.....	1	
Washington County.....	1		Yalobusha County.....	1	
<b>Total.....</b>	<b>352</b>		<b>Total.....</b>	<b>126</b>	
<b>Indiana:</b>			<b>North Dakota:</b>		
Bartholomew County.....	6		Barnes County—		
Cass County.....	11		Valley City.....	1	
Clark County.....	1		Wells County—		
Dearborn County.....	1		Harvey.....	1	
Dekalb County.....	1		Benson County.....	10	
Fountain County.....	10		Burleigh County—		
Franklin County.....	4		Bismarck.....	2	
Grant County.....	47		Hettinger County.....	7	
Hamilton County.....	1		Cass County—		
Hendricks County.....	2		Fargo.....	9	
Howard County.....	76		Dicky County.....	1	
Huntington County.....	20		<b>Total.....</b>	<b>31</b>	
Jackson County.....	2		<b>Oregon:</b>		
Johnson County.....	1		Clackamas County.....	48	
Knox County.....	1		Coos County.....	6	
Lake County.....	5		Douglas County.....	1	
Laporte County.....	22		Gilliam County.....	1	
Madison County.....	11		Grant County.....	1	
Marion County.....	7		Hood River County.....	9	
Monroe County.....	7		Josephine County.....	4	
Montgomery County.....	3		Lane County.....	1	
Orange County.....	1		Multnomah County.....	2	
Spencer County.....	3		Tillamook County.....	31	
St. Joseph County.....	33		Wasco County.....	35	
Sullivan County.....	4		Washington County.....	1	
Tippecanoe County.....	34		Portland.....	232	
Tipton County.....	4		<b>Total.....</b>	<b>372</b>	
Vanderburg County.....	40		<b>South Carolina:</b>		
Vermilion County.....	32		Chester County.....	4	
Vigo County.....	13		Fairfield County.....	4	
Wabash County.....	3		Greenville County.....	4	
Warren County.....	17		Newberry County.....	5	
Warrick County.....	2		Orangeburg County.....	1	
White County.....	13				
<b>Total.....</b>	<b>438</b>				



## SMALLPOX—Continued.

## State Reports for November, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
South Carolina—Continued.			South Dakota—Continued.		
Spartanburg County.....	6	.....	Hanson County.....	3	.....
York County.....	8	.....	Hughes County.....	1	.....
Total.....	32	.....	Jerauld County.....	9	.....
South Dakota:			Jones County.....	1	.....
Beadle County.....	1	.....	Kingsbury County.....	8	.....
Codington County.....	1	.....	Lawrence County.....	17	.....
Fall River County.....	1	.....	Roberts County.....	1	.....
Grant County.....	18	.....	Yankton County.....	1	.....
Hamlin County.....	2	.....	Total.....	64	.....

## Vaccinations on Canadian Border, 1919.

Reports from Public Health Service officers on the Canadian border show that vaccinations were performed at points of entry to the United States from December 19 to December 30, inclusive, as follows:

## Vaccinations.

Buffalo .....	846
Detroit .....	5,244
Niagara Falls.....	1,008
Ogdensburg <sup>1</sup> .....	131
Port Huron.....	1,055
Sault Ste. Marie <sup>2</sup> .....	173

## City Reports for Week Ended Dec. 20, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.....	2	.....	Fond du Lac, Wis.....	15	.....
Alton, Ill.....	1	.....	Grand Rapids, Mich.....	1	.....
Aurora, Ill.....	1	.....	Great Falls, Mont.....	1	.....
Beaumont, Tex.....	2	.....	Green Bay, Wis.....	6	.....
Beloit, Wis.....	1	.....	Hammond, Ind.....	1	.....
Bluefield, W. Va.....	1	.....	Hibbing, Minn.....	1	.....
Boise, Idaho.....	6	.....	Hoquiam, Wash.....	3	.....
Buffalo, N. Y.....	1	.....	Huntington, Ind.....	2	.....
Burlington, Iowa.....	2	.....	Huntington, W. Va.....	3	.....
Canton, Ohio.....	1	.....	Indianapolis, Ind.....	23	.....
Cape Girardeau, Mo.....	1	.....	Ironwood, Mich.....	4	.....
Chicago, Ill.....	3	.....	Jacksonville, Ill.....	1	.....
Chillicothe, Ohio.....	5	.....	Janesville, Wis.....	6	.....
Cincinnati, Ohio.....	1	.....	Kalamazoo, Mich.....	1	.....
Cleveland, Ohio.....	1	.....	Kansas City, Kans.....	11	.....
Colorado Springs, Colo.....	1	.....	Kokomo, Ind.....	23	.....
Columbus, Ohio.....	1	.....	La Crosse, Wis.....	2	.....
Coshocton, Ohio.....	1	.....	La Fayette, Ind.....	4	.....
Council Bluffs, Iowa.....	4	.....	Lawrence, Kans.....	1	.....
Cumberland, Md.....	1	.....	Lima, Ohio.....	1	.....
Dallas, Tex.....	23	.....	Lincoln, Neb.....	5	.....
Danville, Ill.....	1	.....	Logansport, Ind.....	2	.....
Davenport, Iowa.....	30	.....	Long Beach, Calif.....	2	.....
Denver, Colo.....	37	.....	Los Angeles, Calif.....	5	.....
Detroit, Mich.....	8	.....	Louisville, Ky.....	1	.....
Dubuque, Iowa.....	2	.....	Madison, Wis.....	1	.....
El Paso, Tex.....	1	.....	Marion, Ohio.....	5	.....
Eugene, Oreg.....	3	.....	Marshalltown, Iowa.....	8	.....
Eureka, Calif.....	1	.....	Mason City, Iowa.....	5	.....
Evansville, Ind.....	88	1	Milwaukee, Wis.....	19	.....
Everett, Wash.....	2	.....	Minneapolis, Minn.....	15	.....
Farrell, Pa.....	1	.....	Mishawaka, Ind.....	1	.....

<sup>1</sup> No report for Dec. 21 and 27.<sup>2</sup> No report for Dec. 21, 24, 25, 26, and 29.

## SMALLPOX—Continued.

## City Reports for Week Ended Dec. 20, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Moline, Ill.....	3	.....	Salt Lake City, Utah.....	2	.....
Monmouth, Ill.....	12	.....	San Diego, Calif.....	1	.....
Nashua, N. H.....	1	.....	San Jose, Calif.....	2	.....
North Little Rock, Ark.....	1	.....	Seattle, Wash.....	23	.....
Ogden, Utah.....	49	.....	South Bend, Ind.....	7	.....
Oklahoma City, Okla.....	1	.....	Spartanburg, S. C.....	5	.....
Omaha, Nebr.....	4	.....	Spokane, Wash.....	103	.....
Philadelphia, Pa.....	1	.....	Springfield, Ill.....	2	.....
Piqua, Ohio.....	10	.....	Steubenville, Ohio.....	1	.....
Pocatello, Idaho.....	13	.....	Stockton, Calif.....	1	.....
Portland, Oreg.....	82	.....	Superior, Wis.....	1	.....
Racine, Wis.....	3	.....	Tacoma, Wash.....	1	.....
Riverside, Calif.....	3	.....	Terre Haute, Ind.....	1	.....
Roanoke, Va.....	1	.....	Toledo, Ohio.....	1	.....
Rock Island, Ill.....	1	.....	Waco, Tex.....	2	.....
Sacramento, Calif.....	2	.....	Walla Walla, Wash.....	4	.....
St. Cloud, Minn.....	5	.....	Wausau, Wis.....	4	.....
St. Joseph, Mo.....	24	.....	Wheeling, W. Va.....	1	.....
St. Louis, Mo.....	2	.....	Wichita, Kans.....	1	.....
St. Paul, Minn.....	8	.....	Yakima, Wash.....	4	.....

## TETANUS.

## Elgin, Ill., and Richmond, Va.—Week Ended Dec. 20, 1919.

During the week ended December 20, 1919, one death from tetanus was reported at Elgin, Ill., and one was reported at Richmond, Va.

## TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 72; and Weekly reports from cities, p. 89.

## TYPHOID FEVER.

## State Reports for November, 1919.

Place.	New cases reported.	Place.	New cases reported.
Alabama:		Alabama—Continued.	
Autauga County.....	1	Talladega County.....	8
Baldwin County.....	3	Tuscaloosa County.....	1
Barbour County.....	1	Total.....	68
Bibb County.....	1		
Butler County.....	4	Connecticut:	
Calhoun County.....	2	Fairfield County—	
Chilton County.....	2	Bridgeport.....	2
Choctaw County.....	1	Greenwich.....	1
Clarke County.....	1	New Canaan.....	1
Coffee County.....	1	Norwalk.....	3
Colbert County.....	3	Stamford.....	4
Conecuh County.....	1	Stratford.....	1
Crenshaw County.....	1	Hartford County—	
Fayette County.....	4	East Hartford.....	2
Henry County.....	6	Enfield.....	2
Houston County.....	1	Hartford.....	4
Jackson County.....	2	Manchester.....	2
Lauderdale County.....	3	New Britain.....	1
Lawrence County.....	5	West Hartford.....	1
Marshall County.....	4	Litchfield County—	
Mobile County.....	8	Washington.....	1
Montgomery County.....	1	Watertown.....	1
Pickens County.....	1	Middlesex County—	
Pike County.....	1	Middletown.....	1
Randolph County.....	1		

## TYPHOID FEVER—Continued.

## State Reports for November, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Connecticut—Continued.</b>		<b>Mississippi—Continued.</b>	
New Haven County—		Benton County.....	1
East Haven.....	2	Bolivar County.....	11
New Haven.....	6	Calhoun County.....	4
Waterbury.....	1	Chickasaw County.....	2
New London County—		Choctaw County.....	1
Colchester.....	1	Claiborne County.....	2
New London.....	3	Clay County.....	1
Tolland County—		Coahoma County.....	4
Mansfield.....	1	Covington County.....	3
Windham County—		De Soto County.....	9
Plainfield.....	2	Forest County.....	1
Total.....	43	Franklin County.....	2
<b>Idaho:</b>		George County.....	1
Ada County.....	2	Greene County.....	7
Bonner County.....	3	Hancock County.....	2
Bonneville County.....	3	Harrison County.....	7
Clearwater County.....	1	Hinds County.....	5
Jerome County.....	1	Holmes County.....	4
Owyhee County.....	3	Humphreys County.....	5
Washington County.....	1	Itawamba County.....	3
Total.....	14	Jasper County.....	2
<b>Indiana:</b>		Jefferson County.....	2
Adams County.....	2	Jefferson Davis County.....	1
Allen County.....	8	Jones County.....	18
Bartholomew County.....	2	Kemper County.....	2
Brown County.....	2	Lafayette County.....	4
Carroll County.....	1	Lamar County.....	1
Cass County.....	3	Lauderdale County.....	8
Clark County.....	1	Leake County.....	1
Daviess County.....	4	Lee County.....	1
DeKalb County.....	1	Leflore County.....	6
Delaware County.....	3	Lincoln County.....	2
Dubois County.....	3	Madison County.....	2
Gibson County.....	1	Marion County.....	1
Grant County.....	1	Marshall County.....	5
Greene County.....	3	Montgomery County.....	1
Harrison County.....	1	Noxubee County.....	3
Howard County.....	1	Oktibbeha County.....	2
Huntington County.....	1	Panola County.....	6
Jackson County.....	2	Pearl River County.....	2
Jay County.....	1	Pike County.....	4
Johnson County.....	1	Pontotoc County.....	2
Lake County.....	2	Prentiss County.....	1
Laporte County.....	4	Quitman County.....	1
Madison County.....	5	Rankin County.....	1
Marion County.....	5	Scott County.....	6
Martin County.....	8	Simpson County.....	30
Monroe County.....	1	Smith County.....	2
Morgan County.....	4	Sunflower County.....	11
Noble County.....	4	Tate County.....	6
Ohio County.....	1	Tippah County.....	1
Orange County.....	9	Tishomingo County.....	4
Owen County.....	5	Union County.....	6
Perry County.....	3	Walthall County.....	1
Putnam County.....	5	Warren County.....	10
Randolph County.....	2	Washington County.....	5
Ripley County.....	2	Wayne County.....	2
Scott County.....	2	Webster County.....	1
Steuben County.....	1	Winston County.....	7
St. Joseph County.....	1	Yalobusha County.....	7
Tipton County.....	1	Yazoo County.....	3
Vanderburg County.....	1	Total.....	263
Warren County.....	1	<b>North Dakota:</b>	
Wells County.....	5	Nelson County.....	1
White County.....	1	Sheridan County.....	6
Whitley County.....	3	McHenry County—	
Total.....	118	Towner.....	1
<b>Mississippi:</b>		Golden Valley County.....	2
Adams County.....	1	Richland County—	
Alcorn County.....	2	Wahpeton.....	2
Amite County.....	2	Dunn County.....	1
Attala County.....	2	Burleigh County—	
		Bismarck.....	3
		Total.....	16

## TYPHOID FEVER—Continued.

## State Reports for November, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Ohio:</b>		<b>Ohio—Continued.</b>	
Adams County.....	3	Summit County.....	14
Allen County.....	67	Trumbull County.....	11
Ashland County.....	1	Tuscarawas County.....	3
Ashtabula County.....	3	Union County.....	2
Athens County.....	3	Van Wert County.....	2
Auglaize County.....	3	Warren County.....	5
Belmont County.....	1	Washington County.....	2
Brown County.....	1	Wayne County.....	6
Butler County.....	2	Williams County.....	1
Carroll County.....	3	Wood County.....	4
Champaign County.....	1	Wyandot County.....	3
Clark County.....	1		
Clermont County.....	3	Total.....	302
Columbiana County.....	4		
Coshocton County.....	3	<b>Oregon:</b>	
Crawford County.....	2	Coos County.....	1
Cuyahoga County.....	14	Douglas County.....	1
Defiance County.....	7	Lane County.....	4
Delaware County.....	4	Linn County.....	1
Erie County.....	3	Marion County.....	1
Fairfield County.....	1	Polk County.....	2
Franklin County.....	9	Washington County.....	1
Gallia County.....	1	Portland.....	5
Geauga County.....	1		
Greene County.....	1	Total.....	16
Guernsey County.....	3		
Hamilton County.....	2	<b>South Carolina:</b>	
Hardin County.....	1	Anderson County.....	1
Henry County.....	2	Beaufort County.....	3
Highland County.....	2	Charleston County.....	5
Hocking County.....	7	Chester County.....	3
Holmes County.....	1	Chesterfield County.....	1
Jefferson County.....	2	Clarendon County.....	1
Knox County.....	4	Florence County.....	2
Lawrence County.....	9	Greenville County.....	2
Licking County.....	5	Lexington County.....	2
Logan County.....	2	Marion County.....	5
Lucas County.....	4	Newberry County.....	1
Mahoning County.....	8	Saluda County.....	1
Marion County.....	2	Spartanburg County.....	1
Medina County.....	1	Union County.....	1
Meigs County.....	4		
Monroe County.....	2	Total.....	29
Montgomery County.....	2		
Muskingum County.....	1	<b>South Dakota:</b>	
Noble County.....	2	Beadle County.....	1
Paulding County.....	2	Brule County.....	1
Perry County.....	5	Clark County.....	2
Pickaway County.....	2	Davison County.....	1
Pike County.....	1	Douglas County.....	4
Portage County.....	2	Fall River County.....	1
Preble County.....	3	Haakon County.....	2
Putnam County.....	3	Kingsbury County.....	1
Ross County.....	5	Lake County.....	1
Sandusky County.....	2	Walworth County.....	2
Scioto County.....	5		
Seneca County.....	5	Total.....	16
Stark County.....	6		

**TYPHOID FEVER—Continued.****City Reports for Week Ended Dec. 20, 1919.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.		1	Minneapolis, Minn.	1	
Baltimore, Md.	3		Moline, Ill.	1	
Beverly, Mass.	1		New Orleans, La.	1	2
Braddock, Pa.	7		New York, N. Y.	15	2
Calro, Ill.	1		Niagara Falls, N. Y.	1	
Cambridge, Mass.	1		North Little Rock, Ark.	1	
Cape Girardeau, Mo.		1	Oakland, Calif.	1	
Carlisle, Pa.	1		Philadelphia, Pa.	9	
Charleston, S. C.	1		Pittsburgh, Pa.	3	
Chicago, Ill.	8	1	Pittston, Pa.	1	
Cleveland, Ohio.	1	1	Plainfield, N. J.	1	
Colorado Springs, Colo.	1		Portland, Oreg.		1
Concord, N. H.	1		Portsmouth, N. H.	1	
Danville, Ill.	2	1	Reading, Pa.	1	
Dayton, Ohio.	1		Richmond, Va.	2	
Detroit, Mich.	1		Rochester, N. Y.		1
Duluth, Minn.	2		Rome, Ga.	1	
Durham, N. C.		1	Sacramento, Calif.	1	
El Paso, Tex.		1	St. Louis, Mo.	2	
Erie, Pa.	1		St. Paul, Minn.	2	
Fall River, Mass.	1		Salt Lake City, Utah.		1
Flint, Mich.	4		San Francisco, Calif.		1
Holland, Mich.	1		Savannah, Ga.	1	
Ironton, Ohio.	2		Somerville, Mass.	1	
Jacksonville, Ill.	1		Trenton, N. J.	1	
Lancaster, Pa.	1		Trinidad, Colo.	1	
Lexington, Ky.		1	Troy, N. Y.		1
Lima, Ohio.	1	1	Waltham, Mass.		1
Los Angeles, Calif.		1	Wilmington, Del.		1
Marlboro, Mass.	1	1			

**DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.****City Reports for Week Ended Dec. 20, 1919.**

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Adams, Mass.	14,406	1								1
Akron, Ohio.	93,604	31	5		15		25		1	
Alameda, Calif.	28,433	5	5		17		4			
Albuquerque, N. Mex.	14,509	6			2				7	3
Alexandria, Va.	17,939	1								
Allentown, Pa.	65,109		2		11		5		1	
Alliance, Ohio.	19,581	2	1		2		2		1	
Alton, Ill.	23,783	5			1		2			1
Amesbury, Mass.	10,200	3								
Anaconda, Mont.	10,631	1								
Anderson, Ind.	24,230	4								
Ann Arbor, Mich.	15,041	8	10		7		7		1	
Ansonia, Conn.	16,954	0					1			
Appleton, Wis.	18,005	5								
Arlington, Mass.	13,073	2	1		3		3			
Asbury Park, N. J.	14,629	0					1			
Ashland, Ky.	12,195						1			
Ashtabula, Ohio.	22,008	6	2	1						
Atchison, Kans.	16,795		2						1	
Atlanta, Ga.	196,144	63	3		16		3		2	2
Atlantic City, N. J.	59,515	9	12		2		2		1	1
Attleboro, Mass.	19,776	5	2				3			
Auburn, N. Y.	37,823		2	1			2			
Aurora, Ill.	34,795	8	1							
Austin, Tex.	35,612	5	9						1	
Baltimore, Md.	594,637	205	46	3	40		46		21	16
Bangor, Me.	26,958		1				3			
Barberton, Ohio.	14,187	3	1							
Bayonne, N. J.	72,201		5		1		3		1	
Beatrice, Nebr.	10,437	3								

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

City Reports for Week Ended Dec. 20, 1919—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Beaumont, Tex.	28,851	7							1	3
Bedford, Ind.	10,613	2					1		1	
Belleville, N. J.	12,797								2	
Beloit, Wis.	18,547	3					1		2	
Berkeley, Calif.	60,427	8	2		13		2		2	
Berlin, N. H.	13,892	2								
Beverly, Mass.	22,128	7								1
Billings, Mont.	15,123	4			2		3		1	
Binghamton, N. Y.	54,864	16	3				1		3	1
Birmingham, Ala.	189,716	49	13	1	11				8	6
Bloomfield, N. J.	19,013	6	3				1		1	
Bloomington, Ill.	27,462	6	3				2		2	1
Bloomington, Ind.	11,661	2								
Bluefield, W. Va.	16,123		4				1			
Boise, Idaho.	35,951	8					4			
Boston, Mass.	767,813	210	62	2	210	4	77		51	19
Braddock, Pa.	22,060		1		24					
Brazil, Ind.	10,472	4								
Bridgeport, Conn.	124,724	34	8	3	24		6	1	3	3
Bristol, Conn.	16,318	7	3				2		2	1
Brookline, Mass.	33,526	5	3		2		1		3	
Brunswick, Ga.	10,984	1		1					1	
Buffalo, N. Y.	475,781	116	99	3	10		35	1	17	13
Burlington, Iowa.	25,144		1				1		8	
Burlington, Vt.	21,802	9			1					
Butte, Mont.	44,057	25	2				2		1	3
Cadillac, Mich.	10,158	4	2		6					
Cairo, Ill.	15,995	2	2		1		1			
Cambridge, Mass.	114,293	29	13		16	1	5		2	3
Camden, N. J.	108,117		5		11		2		5	
Canton, Ill.	13,674	3								
Canton, Ohio.	62,566	14	9		1		3		1	2
Cape Girardeau, Mo.	11,146	6	1							2
Carbondale, Pa.	19,597		4							
Carlisle, Pa.	10,795		2				1			
Carnegie, Pa.	11,963		2							
Centralia, Ill.	11,838	4								
Chanute, Kans.	12,968						3			
Charleston, S. C.	61,041	23	5		2		1			
Charleston, W. Va.	31,060	6	1		1		3			
Charlotte, N. C.	40,759	19	1						1	1
Chattanooga, Tenn.	61,575	22	2						3	4
Chelsea, Mass.	48,405	17	7		2		2			2
Chester, Pa.	41,857		4		1					
Cheyenne, Wyo.	11,320	4					1		1	1
Chicago Heights, Ill.	22,863	7		1	10		1			
Chicago, Ill.	2,547,201	629	128	12	157	5	269	5	250	48
Chicopee, Mass.	29,850	6		1	7		4		1	
Chillicothe, Ohio.	15,625	2	2				1			
Cincinnati, Ohio.	414,248	124	16		63		36		10	15
Cleveland, Ohio.	692,259	185	57	5	155		23		24	19
Clinton, Mass.	13,075	2					1			
Coatesville, Pa.	14,998				1		1			
Coffeyville, Kans.	18,331	6					2		1	
Cohoes, N. Y.	25,292	4								1
Colorado Springs, Colo.	38,965	6			1				23	4
Columbia, S. C.	35,165		4						3	
Columbus, Ga.	26,306	13	3						3	3
Columbus, Ohio.	220,135	74	7	1	1		15		5	8
Concord, N. H.	22,858	5	1				1			
Connellsville, Pa.	15,876						1			
Corpus Christi, Tex.	10,789	4							2	
Cortland, N. Y.	13,321	4					1		1	
Coshocton, Ohio.	11,887								1	
Council Bluffs, Iowa.	31,838	11	2	1			6	1	2	2
Covington, Ky.	59,623	23	5		2		2		6	2
Cranston, R. I.	26,773	4							1	1
Cumberland, Md.	26,686	3	1		1		6		4	
Dallas, Tex.	129,738	27	26	1			2		2	

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Dec. 20, 1919—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Danville, Ill.	32,969	12					1			
Davenport, Iowa	49,618		6							
Dayton, Ohio	128,959	29	3				6		7	
Dedham, Mass.	10,618	2	3		23					
Denver, Colo.	268,439	79	10		2		7	1		12
Des Moines, Iowa	104,052		10		1		11			
Detroit, Mich.	619,648	229	80	8	73	6	97		28	
Dover, N. H.	13,276	0	1		2				1	24
Dubois, Pa.	14,994		1				6			
Dubuque, Iowa	40,086	15	1				2			
Duluth, Minn.	97,077	17	4	1	2		2		2	
Dunkirk, N. Y.	21,311	2			1		3			1
Dunmore, Pa.	21,285						3			
Durham, N. C.	26,160	7		1	2		5			
East Chicago, Ind.	30,286	13								
Easton, Pa.	30,854		4				1			
East Orange, N. J.	43,761	12			4				2	
East Providence, R. I.	18,485		1				3			
East St. Louis, Ill.	77,312	22	2		17	1	1			3
Eau Claire, Wis.	18,887		2		3					
Elgin, Ill.	28,562	6					1			
Elizabeth, N. J.	88,930		7		11		4		4	2
El Paso, Tex.	69,149	34	2		1					10
Elwood, Ind.	11,028	4	1							
Englewood, N. J.	12,603	2					3			
Erie, Pa.	76,592		7				4			
Eugene, Oreg.	14,257		1				1			
Eureka, Calif.	15,142	1	1				1			
Evanston, Ill.	29,304	8					4			
Evansville, Ind.	76,981	15	4				3			
Everett, Mass.	40,160	12	15				2		3	1
Everett, Wash.	37,205		2				2			
Fairmont, W. Va.	16,111		1				1			
Fall River, Mass.	129,828				9				3	1
Fargo, N. Dak.	17,872	31	6				8			1
Farrell, Pa.	10,190	7					1			1
Findlay, Ohio	14,858	5	2	1						1
Flint, Mich.	57,386	14	17		37		9			
Fond du Lac, Wis.	21,486	10					2			
Fort Dodge, Iowa	21,039	1								
Fort Scott, Kans.	10,564	2								
Fort Smith, Ark.	29,390		2				7			
Fort Wayne, Ind.	78,014	17	2				2		1	1
Fort Worth, Tex.	108,597	24	15	1						
Fostoria, Ohio	10,959	3								
Freeport, Ill.	19,844	7					2			
Fremont, Nebr.	10,080	6								
Fremont, Ohio	11,034	4								
Fresno, Calif.	36,314	4	3				4		2	
Galesburg, Ill.	24,629	7					2			
Galveston, Tex.	42,650	8	3							1
Gardner, Mass.	17,534	7					1		1	
Gary, Ind.	56,000	8					2			1
Geneva, N. Y.	13,915	1	2		2		1			
Glens Falls, N. Y.	17,160	9	1							1
Grand Rapids, Mich.	132,861	35	3				5			2
Granite City, Ill.	15,890	5	3				2			
Great Falls, Mont.	13,948	3								
Greely, Colo.	11,942	3								
Green Bay, Wis.	30,017	8								
Greenfield, Mass.	12,251	4								
Greensboro, N. C.	20,171	5								
Greensburg, Pa.	15,881						1			
Greenwich, Conn.	19,594	6			1		1			
Hackensack, N. J.	17,412	2	1				1			
Hammond, Ind.	27,016	8	2		2		1			
Harrisburg, Pa.	73,276		6		1		3			
Harrison, N. J.	17,345						4			
Hartford, Conn.	112,831	43	16	1	2		26	2	2	2
Haverhill, Mass.	49,180	13	9	1	1	1		2		1

<sup>1</sup> Population Apr. 15, 1910.

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

City Reports for Week Ended Dec. 20, 1919—Continued.

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Hazleton, Pa.	28,981	.....	3	.....	6	.....	.....	.....	.....	.....
Hibbing, Minn.	17,550	.....	.....	.....	40	.....	.....	.....	.....	.....
Hoboken, N. J.	78,324	7	3	.....	4	.....	.....	.....	1	2
Holland, Mich.	12,459	1	2	.....	.....	.....	1	.....	.....	.....
Holyoke, Mass.	66,503	11	.....	.....	4	.....	8	.....	1	.....
Hot Springs, Ark.	17,690	5	.....	.....	.....	.....	.....	.....	.....	.....
Hudson, N. Y.	12,898	5	.....	.....	.....	.....	.....	.....	.....	.....
Huntington, Ind.	10,983	3	.....	.....	.....	.....	2	.....	.....	.....
Huntington, W. Va.	47,686	24	4	.....	.....	.....	2	.....	.....	2
Indianapolis, Ind.	283,622	86	10	2	8	.....	22	.....	14	.....
Ironton, Ohio.	14,079	3	.....	.....	.....	.....	.....	.....	2	.....
Ironwood, Mich.	15,095	6	.....	.....	.....	.....	1	.....	.....	.....
Irvington, N. J.	16,710	.....	.....	.....	.....	.....	1	.....	1	.....
Ishpeming, Mich.	12,448	4	.....	.....	.....	.....	.....	.....	1	.....
Ithaca, N. Y.	16,017	8	.....	.....	.....	.....	.....	.....	1	.....
Jacksonville, Ill.	15,506	5	.....	.....	.....	.....	.....	.....	.....	.....
Janesville, Wis.	14,411	5	2	.....	1	.....	4	.....	.....	.....
Jersey City, N. J.	312,557	.....	18	.....	4	.....	4	.....	11	.....
Johnstown, Pa.	70,473	.....	5	.....	196	.....	2	.....	3	.....
Joplin, Mo.	33,400	7	.....	.....	.....	.....	.....	.....	.....	.....
Kalamazoo, Mich.	50,408	24	2	.....	.....	.....	14	.....	3	1
Kansas City, Kans.	102,096	.....	6	.....	3	.....	1	.....	.....	.....
Kansas City, Mo.	305,816	89	13	1	48	1	6	.....	7	7
Kearny, N. J.	24,325	3	1	.....	1	.....	3	.....	.....	.....
Keene, N. H.	10,725	2	.....	.....	.....	.....	.....	.....	1	.....
Kenosha, Wis.	32,833	7	.....	.....	1	.....	.....	.....	.....	.....
Kokomo, Ind.	21,929	3	.....	.....	.....	.....	.....	.....	.....	1
Lackawanna, N. Y.	16,219	2	9	.....	.....	.....	1	.....	.....	.....
La Crosse, Wis.	31,833	11	2	.....	.....	.....	1	.....	3	2
La Fayette, Ind.	21,481	10	1	.....	1	.....	1	.....	.....	2
Lancaster, Ohio.	16,066	6	.....	.....	.....	.....	2	.....	.....	1
Lancaster, Pa.	51,437	.....	7	.....	.....	.....	4	.....	.....	.....
La Salle, Ill.	12,332	3	.....	.....	.....	.....	.....	.....	1	.....
Laurel, Miss.	12,313	.....	1	.....	.....	.....	.....	.....	.....	.....
Lawrence, Kans.	13,477	2	1	.....	.....	.....	1	.....	.....	.....
Lawrence, Mass.	102,923	26	2	1	2	.....	11	.....	.....	3
Leavenworth, Kans.	19,363	8	.....	.....	.....	.....	1	.....	2	.....
Leominster, Mass.	21,365	2	.....	.....	.....	.....	6	.....	2	.....
Lexington, Ky.	41,997	17	.....	.....	1	.....	1	.....	1	.....
Lima, Ohio.	37,145	14	4	.....	.....	.....	7	.....	.....	1
Lincoln, Nebr.	46,957	11	.....	.....	.....	.....	1	.....	.....	.....
Lincoln, R. I.	10,473	.....	1	.....	.....	.....	.....	.....	.....	.....
Little Rock, Ark.	58,716	.....	.....	.....	.....	.....	1	.....	4	.....
Lockport, N. Y.	20,028	1	.....	.....	.....	.....	.....	.....	3	.....
Logansport, Ind.	21,338	11	1	1	.....	.....	7	.....	.....	.....
Long Beach, Calif.	29,163	18	2	.....	1	.....	3	.....	.....	1
Long Branch, N. J.	15,733	5	.....	.....	2	.....	1	.....	.....	1
Lorain, Ohio.	38,206	.....	1	.....	.....	.....	1	.....	1	.....
Los Angeles, Calif.	535,485	168	16	.....	14	.....	13	2	75	22
Louisville, Ky.	240,808	65	22	1	15	.....	5	.....	6	7
Lowell, Mass.	114,366	30	2	1	1	.....	16	1	1	.....
Ludington, Mich.	10,566	3	.....	.....	.....	.....	.....	.....	.....	.....
Lynchburg, Va.	33,497	13	1	.....	.....	.....	.....	.....	1	2
Lynn, Mass.	104,534	25	17	3	.....	.....	21	.....	3	2
McKeesport, Pa.	48,299	.....	3	.....	2	.....	1	.....	.....	.....
Madison, Wis.	31,315	6	.....	.....	2	.....	1	.....	.....	.....
Mahanoy City, Pa.	17,709	.....	3	.....	.....	.....	.....	.....	.....	.....
Malden, Mass.	52,243	11	.....	.....	.....	.....	.....	.....	.....	1
Manchester, Conn.	15,859	5	.....	.....	2	.....	.....	.....	.....	.....
Manchester, N. H.	79,607	22	3	1	.....	.....	1	.....	.....	1
Manitowoc, Wis.	13,931	3	.....	.....	.....	.....	2	.....	.....	.....
Mankato, Minn.	10,365	3	.....	.....	2	.....	.....	.....	.....	.....
Marinette, Wis.	14,610	3	.....	.....	3	.....	.....	.....	.....	.....
Marion, Ind.	19,923	7	4	.....	.....	.....	2	.....	.....	1
Marion, Ohio.	24,129	.....	3	.....	.....	.....	1	.....	.....	1
Marlboro, Mass.	15,285	5	.....	.....	.....	.....	.....	.....	.....	.....
Martinsburg, W. Va.	12,984	.....	6	3	.....	.....	1	.....	.....	.....
Martins Ferry, Ohio.	10,135	.....	.....	.....	.....	.....	.....	.....	1	.....
Mason City, Iowa.	14,938	4	2	.....	21	.....	4	.....	.....	1

1 Population Apr. 15, 1910.



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

City Reports for Week Ended Dec. 20, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Mattoon, Ill.	12,764		2		4		1			
Meadville, Pa.	13,968				1					
Medford, Mass.	26,681	12	6		3		3			
Melrose, Mass.	17,724	4							1	
Meriden, Conn.	29,431		3				4		1	
Methuen, Mass.	14,320	3					2		1	
Middletown, N. Y.	15,890						6		1	
Middletown, Ohio.	16,384	2	2		1		1			1
Milwaukee, Wis.	445,008	102	30	1	28		14	1	10	2
Minneapolis, Minn.	373,448	84	20	3	2		15		15	9
Mishawaka, Ind.	17,083	3								
Missoula, Mont.	19,075	6							2	
Mobile, Ala.	59,201	16	1				4			2
Moline, Ill.	27,976	7			7					
Monessen, Pa.	23,070		2		17		5		1	
Monmouth, Ill.	10,346	3					1			1
Montclair, N. J.	27,087	1	1		2				1	
Montgomery, Ala.	44,039	19					1		8	1
Morgantown, W. Va.	14,444	3	2				2			
Moundsville, W. Va.	11,513	3	1							
Mount Carmel, Pa.	20,709						2			
Mount Vernon, N. Y.	37,991	10			43				2	2
Muscatine, Iowa.	17,713	3								
Muskogee, Okla.	47,173		4				1			
Nanticoke, Pa.	23,811		2						4	
Nashua, N. H.	27,541	10					2			
Nashville, Tenn.	118,136	43	9	1			9		8	4
Newark, N. J.	418,789	102	28		59		9		33	10
New Bedford, Mass.	121,622	31	6	1	69	2	2		7	
New Britain, Conn.	55,385	17	1				10		1	1
New Brunswick, N. J.	26,855		3				1		3	
Newburyport, Mass.	15,291	4								
New Castle, Ind.	14,144	5	1		16				1	1
New Castle, Pa.	41,915						11			
New Haven, Conn.	152,275	39	32	2	44		8		5	
New Orleans, La.	377,010	121	22	4	1		7		28	15
Newton, Mass.	44,345	7	1		1		8			
New York, N. Y.	5,737,492	1,249	329	35	687	14	113		245	104
Niagara Falls, N. Y.	58,466	11	3	1	33		3			1
Norristown, Pa.	31,969		1				3			
North Adams, Mass.	122,019	3								
Northampton, Mass.	20,006	8								
North Attleboro, Mass.	11,248	5								
North Braddock, Pa.	15,684				10					
North Little Rock, Ark.	15,515		2	1						
North Tonawanda, N. Y.	14,060	4					0			
Norwalk, Conn.	27,332	9	1		2				1	1
Norwich, Conn.	21,923	3	6		1					
Norwood, Ohio.	23,269	3			26					
Oakland, Calif.	206,405	45	3		31		4	1	5	5
Oak Park, Ill.	27,816	11	2		2		7			
Ogden, Utah.	32,343	5	1							
Oil City, Pa.	20,162		1				1			
Oklahoma City, Okla.	97,588	25	3				3		4	2
Old Forge, Pa.	15,479		2							
Olean, N. Y.	16,927	2								1
Omaha, Nebr.	177,777	40	4				14			3
Orange, Conn.	14,393	13	2		3		1			1
Paducah, Ky.	25,178						3		1	
Parkersburg, W. Va.	21,059	4	1							
Pasadena, Calif.	49,620	19	1							
Passaic, N. J.	74,478	17	7	1			1		3	3
Paterson, N. J.	140,512	3	17		6			1		
Pawtucket, R. I.	60,666	26	3				4		4	
Peekskill, N. Y.	19,034	6								
Pekin, Ill.	10,973		1							
Peoria, Ill.	72,184	24	3	2			7			
Philadelphia, Pa.	1,735,514	478	69	8	104	1	67		70	44
Phillipsburg, N. J.	15,879	3	1						1	
Pine Bluff, Ark.	17,777		1							

<sup>1</sup> Population Apr. 15, 1910.

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

**City Reports for Week Ended Dec. 20, 1919—Continued.**

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Piqua, Ohio	14,275	5		1						
Pittsburgh, Pa.	566,196		46		107		39		36	
Pittsfield, Mass.	39,678	9					2		1	
Pittston, Pa.	18,975		1		1					
Plainfield, N. J.	24,330	6	3		66		1		2	1
Plymouth, Mass.	14,061	3								
Plymouth, Pa.	19,439		5							
Pontiac, Mich.	18,006	11	3	1	68					1
Port Huron, Mich.	18,863	10	8	1	80	1	1			
Portland, Me.	64,720	20	1				3			
Portland, Oreg.	306,399	69	9		11		18		2	
Portsmouth, N. H.	11,730	1	1		1		4		1	
Pottsville, Pa.	22,717		3		1					
Poughkeepsie, N. Y.	30,736	7	5							
Providence, R. I.	269,895	58	18		1	1	17			3
Pueblo, Colo.	56,694		2		4					
Quincy, Mass.	39,622	7	3		3		5			1
Racine, Wis.	47,465	10			1		11			
Rahway, N. J.	10,361	3	4							
Raleigh, N. C.	20,274	10	2				2		1	1
Reading, Pa.	111,607		12		2		1			
Redlands, Calif.	14,573	1							1	
Richmond, Ind.	25,080	6	1		2		1			
Richmond, Va.	158,702	60	4				9	1	10	7
Riverside, Calif.	20,496	6	2							1
Rosnoke, Va.	46,282		3	1					1	1
Rochester, N. Y.	264,714	61	28	1	85		12		23	7
Rockford, Ill.	56,739	16	8				2			
Rock Island, Ill.	29,452	6	1				1			1
Rocky Mount, N. C.	12,673	10	1				1			1
Rome, Ga.	15,607								1	
Rome, N. Y.	24,259		3		1				1	
Rutland, Vt.	15,038	3	1		1					
Sacramento, Calif.	68,994	25	2		2				3	2
Saginaw, Mich.	56,469	19	3	1	58		1			1
St. Cloud, Minn.	12,013		2		1					
St. Joseph, Mo.	86,496	28	3				2			1
St. Louis, Mo.	768,630	225	127	13	73		50	1	30	18
St. Paul, Minn.	282,466	73	16	1	1		18		10	6
Salem, Mass.	49,346	5	18				4		2	
Salt Lake City, Utah	121,623	26			1		1		1	2
San Bernardino, Calif.	17,616	9								1
San Diego, Calif.	56,412	16					2		2	2
Sandusky, Ohio	20,226	12								2
Sanford, Me.	11,217	1	1		3					1
San Francisco, Calif.	471,023	104		2		3				14
San Jose, Calif.	29,819		1		8		3		1	
Santa Barbara, Calif.	15,360	2								
Santa Cruz, Calif.	15,150	6								
Saratoga Springs, N. Y.	13,829	2	3							1
Saugus, Mass.	10,210	6							1	
Sault Ste. Marie, Mich.	14,120	3			3		3		1	1
Savannah, Ga.	69,250	25	4				6		2	3
Schenectady, N. Y.	163,774	14	1				2		2	1
Seattle, Wash.	366,445		11		33		13			
Shamokin, Pa.	21,274		2		7					
Shelbyville, Ind.	11,201	4								
Shenandoah, Pa.	29,733		3				1			
Sioux City, Iowa	58,568		3				2			
Sioux Falls, S. Dak.	16,897	7					5	1		
Somerville, Mass.	88,618		1		7		6		2	2
South Bend, Ind.	70,967	13					3			
Southbridge, Mass.	14,465	4								
Spartanburg, S. C.	21,985								1	
Spokane, Wash.	157,656		1				8			
Springfield, Ill.	62,623	16							1	1
Springfield, Mass.	108,668	31	6	1	3		10	1	7	1
Springfield, Mo.	41,169	9								1
Springfield, Ohio	52,296	15	2				4		1	1
Stamford, Conn.	31,810	2			25		2		3	

1 Population Apr. 15, 1910.

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

**City Reports for Week Ended Dec. 20, 1919—Continued.**

City.	Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Staunton, Va.	11,823	9	4							
Staubenville, Ohio	28,259		3							
Stillwater, Minn.	<sup>1</sup> 10,198	0								
Stockton, Calif.	36,209	13	2	1	4		3			3
Superior, Wis.	47,167	6	1		3	1	2		3	
Syracuse, N. Y.	158,559	34	2	1	1	1	21		6	1
Tacoma, Wash.	117,446		4		2		6			
Taunton, Mass.	36,610	15	1		1				2	1
Terre Haute, Ind.	67,861	16	4		1		1		3	
Toledo, Ohio	202,010	70	12	2	167	1	30		9	8
Topeka, Kans.	49,538	11	2	1	1				14	
Trenton, N. J.	113,974	28	15	1	14		4		5	1
Trinidad, Colo.	14,413						1			
Troy, N. Y.	78,091	21	2				5		3	1
Tucson, Ariz.	17,324	9								
Waco, Tex.	34,015	12	4				2			2
Wakefield, Mass.	12,947	2								
Walla Walla, Wash.	26,067						1			
Waltham, Mass.	31,011	10	1	1	4				1	
Warren, Pa.	15,083		2				1			
Waterbury, Conn.	89,201		8	1	1		20		4	1
Watertown, Mass.	15,188	1	2		12		1			
Watertown, N. Y.	30,404		5				5			
Wausau, Wis.	19,666	3							1	
Webster, Mass.	13,484	5	1	1	3				1	2
West Chester, Pa.	13,403		4				2			
Westfield, Mass.	18,769	6								1
West Hoboken, N. J.	44,386	3	1		1				1	
West New York, N. J.	19,613	1	3				2		2	
West Orange, N. J.	13,964	3	2				1		1	
Wheeling, W. Va.	43,657	11	4		1		1		3	
White Plains, N. Y.	23,331	4			2		2			
Wichita, Kans.	73,597	19	7				1			3
Wilkes-Barre, Pa.	78,334		11		1		11		2	
Williamsburg, Pa.	23,899		1		8		1			
Williamsport, Pa.	34,123		3				1			
Wilmington, Del.	95,369	29	7	1	5		4			
Winchester, Mass.	10,812	4								
Winona, Minn.	<sup>1</sup> 18,583	9			5					1
Winston-Salem, N. C.	33,136	9	1							2
Winthrop, Mass.	13,105						1			
Woburn, Mass.	16,076	4								1
Worcester, Mass.	166,106	48							7	3
Yakima, Wash.	22,058						1		2	
Yonkers, N. Y.	103,066	30	13	1	16		1		12	5
York, Pa.	52,770		6		94		25			
Zanesville, Ohio.	31,320	10							1	2

<sup>1</sup> Population Apr. 15, 1910.

# FOREIGN AND INSULAR.

## CUBA.

### Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	Dec. 1-10, 1919.		Remaining under treatment Dec. 10, 1919.	Disease.	Dec. 1-10, 1919.		Remaining under treatment Dec. 10, 1919.
	New cases.	Deaths.			New cases.	Deaths.	
Bronchopneumonia..	4	5	.....	Malaria.....	68	.....	189
Chicken pox.....	2	.....	2	Measles.....	11	.....	19
Diphtheria.....	1	1	3	Scarlet fever.....	2	.....	4
Influenza.....	4	5	.....	Smallpox.....	4	2	13
Leprosy.....	.....	.....	19	Typhoid fever.....	10	3	144

<sup>1</sup> From the interior, 47.

<sup>2</sup> From the interior, 1.

<sup>3</sup> From the interior, 12.

## INFLUENZA.

The following information was taken from reports received during the week ended January 9, 1920:

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Departments—				
Algiers.....	Nov. 11-20.....	42	.....	
Oran.....	do.....	6	.....	
Bolivia:				
La Paz.....	June 29-Nov. 1.....	.....	76	Dec. 29-June 28, 1919: Deaths, 181.
Ceylon.....				Sept. 1-30, 1919: Deaths, 46. In 43 towns.
China:				
Tsinanfu.....	Nov. 2-22.....	91	.....	
France:				
Paris.....	Nov. 16-22.....	.....	4	
India:				
Rangeon.....	Oct. 19-Nov. 1.....	.....	57	
Spain:				
Valencia.....	Nov. 30-Dec. 6.....	11	4	
Switzerland:				
Basel.....	Nov. 16-29.....	17	.....	
Zurich.....	do.....	17	.....	

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

Reports Received During Week Ended Jan. 9, 1920.<sup>1</sup>

### CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 11-17.....	.....	1	
India:				
Calcutta.....	Oct. 26-Nov. 8....	23	23	
Java:				
East Java.....	.....	.....	.....	Oct. 5-11, 1919: 1 case, 1 death At Paseroean.

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

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

**Reports Received During Week Ended Jan. 9, 1920—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Philippine Islands:</b>				
Manila.....	Nov. 9-15.....	3	3	Nov. 9-15, 1919: Cases, 191; deaths, 129.
Provinces.....				
Albay.....	Nov. 9-15.....	56	37	
Ambos Camarines.....	do.....	18	6	
Antique.....	do.....	2	2	
Batangas.....	do.....	5	8	
Bohol.....	do.....	7	6	
Cagayan.....	do.....	6	4	
Cavite.....	do.....	6	2	
Davao.....	do.....	6	4	
Ilocos Norte.....	do.....	14	11	
Iloilo.....	do.....	4	5	
Isabela.....	do.....	15	8	
Laguna.....	do.....	2	5	
Mindoro.....	do.....	17	4	
Occidental Negros.....	do.....	8	10	
Pangasinan.....	do.....	1	1	
Rizal.....	do.....	5		
Sorsogon.....	do.....	12	11	
Tarlac.....	do.....	1		
Tayabas.....	do.....	5	4	
Union.....	do.....	1	1	
Manila.....	Nov. 16-22.....	5	5	Nov. 16-22, 1919: Cases, 249; deaths, 146.
Provinces.....				
Albay.....	Nov. 16-22.....	55	42	
Ambos Camarines.....	do.....	8	4	
Antique.....	do.....	6	2	
Batangas.....	do.....	5	5	
Bohol.....	do.....	7	6	
Cavite.....	do.....	5	5	
Ilocos Norte.....	do.....		1	
Ilocos Sur.....	do.....	3	3	
Iloilo.....	do.....	11	7	
Isabela.....	do.....	76	29	
Mindoro.....	do.....	11	6	
Occidental Negros.....	do.....	3	1	
Pangasinan.....	do.....	2	2	
Rizal.....	do.....	9	5	
Sorsogon.....	do.....	41	23	
Tarlac.....	do.....	1	1	
Tayabas.....	do.....	6	4	

## **PLAGUE.**

<b>British East Africa:</b>				
Kisumu.....	Oct. 26-Nov. 1....	1	1	Oct. 19-Nov. 1, 1919: Cases, 4,070; deaths, 3,044.
<b>India:</b>				
Karachi.....	Nov. 9-15.....	1	1	
Madras Presidency.....	Nov. 2-22.....	242	158	
Rangoon.....	Oct. 19-Nov. 1....	10	7	Sept. 28-Oct. 18, 1919: Cases, 121; deaths, 121.
<b>Java:</b>				
East Java.....				

## **SMALLPOX.**

<b>Algeria:</b>				
Departments—				
Algiers.....	Nov. 11-30.....	29		Dec. 29-June 28, 1919: Cases, 86; deaths, 44.
Constantine.....	do.....	10		
Oran.....	do.....	35		
<b>Bolivia:</b>				
La Paz.....	June 20-Nov. 1....		144	
<b>Canada:</b>				
Nova Scotia—				
Counties—				
Cumberland.....	Dec. 14-20.....			Present.

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

**Reports Received During Week Ended Jan. 9, 1920—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Colombia:				
Barranquilla.....	Nov. 16-29.....	50	1	
Egypt:				
Cairo.....	Oct. 8-14.....	13	8	
Finland:				
Provinces—				
Nyland.....	July 16-31.....	1	.....	
Tavastehus.....	do.....	1	.....	
Viborg.....	do.....	23	.....	
India:				
Calcutta.....	Oct. 26-Nov. 8....	11	8	
Madras.....	Nov. 2-23.....	10	7	
Rangoon.....	Oct. 19-Nov. 1....	9	3	
Java:				
East Java.....	.....	.....	.....	Sept. 28-Oct. 18, 1919: Cases, 12.
West Java.....	.....	.....	.....	Oct. 17-29, 1919: Cases, 117; deaths, 31.
Batavia.....	Oct. 17-29.....	11	3	
Mexico:				
San Luis Potosi.....	Dec. 14-20.....	.....	1	
Spain:				
Valencia.....	Nov. 30-Dec. 6....	2	1	
Tunis:				
Tunis.....	Dec. 23-29.....	1	.....	

## **TYPHUS FEVER.**

Algeria:				
Departments—				
Constantine.....	Nov. 11-30.....	2	.....	
Oran.....	Nov. 21-20.....	2	.....	
Bolivia:				
La Paz.....	June 29-Nov. 1....	.....	20	Dec. 29-June 28, 1919: Deaths, 52.
Chile:				
Antofagasta.....	Nov. 24-30.....	6	.....	
Egypt:				
Cairo.....	Oct. 8-14.....	11	5	
Finland:				
Province—				
Viborg.....	July 16-31.....	2	.....	
Mexico:				
San Luis Potosi.....	Dec. 14-20.....	.....	.....	Present.
Turkey:				
Constantinople.....	Nov. 14-20.....	3	.....	

**Reports Received from Dec. 27, 1919, to Jan. 2, 1920.<sup>1</sup>**

## **CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 4-10.....	.....	2	
Chosen:				
Chemulpo.....	Oct. 1-31.....	6	4	
Fusan.....	do.....	34	30	
Japan:				
Kobe.....	Nov. 24-30.....	2	.....	
Taiwan.....	.....	.....	.....	For entire island: Oct. 22-Nov. 20, 1919: Cases, 645; deaths, 374.
Tokyo.....	Nov. 10-20.....	1	1	

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources. For reports received from June 28 to Dec. 26, 1919, see Public Health Reports for Dec. 26, 1919. The tables of epidemic diseases are terminated semiannually and new tables begun.

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

**Reports Received from Dec. 27, 1919, to Jan. 2, 1920—Continued.**

## **CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Is'ands:				
Manila.....	Nov. 2-8.....	9	3	Nov. 2-8, 1919: Cases, 528; deaths, 348.
Provinces.....				
Albay.....	Nov. 2-8.....	163	112	
Ambos Camarines.....	do.....	13	10	
Antique.....	do.....	7	5	
Batangas.....	do.....	12	9	
Bohol.....	do.....	5	4	
Cagayan.....	do.....	29	16	
Capiz.....	do.....	6	5	
Cavite.....	do.....	5	3	
Cebu.....	do.....	15	9	
Ilocos Norte.....	do.....	27	27	
Ilocos Sur.....	do.....	15	12	
Iloilo.....	do.....	17	14	
Isabela.....	do.....	20	13	
Laguna.....	do.....	5	2	
Mindoro.....	do.....	46	17	
Mountain.....	do.....	6	4	
Occidental Negros.....	do.....	47	24	
Pangasinan.....	do.....	8	5	
Rizal.....	do.....	15	5	
Sorsogon.....	do.....	40	29	
Tarlac.....	do.....	6	6	
Tayabas.....	do.....	22	17	
Siam:				
Bangkok.....	Oct. 5-18.....		4	
Straits Settlements:				
Singapore.....	Oct. 5-Nov. 1.....	13	12	

## **PLAGUE.**

British East Africa:				
Kisumu.....	Sept. 28-Oct. 28...	5	5	
Ceylon:				
Colombo.....	Oct. 26-Nov. 8...	14	14	
Greece:				
Saloniki.....	Oct. 6-Nov. 16...	13	4	Oct. 26-Nov. 1, 1919: Cases, 2,214; deaths, 1,700.
India:				
Bombay.....	Oct. 19-Nov. 18...	2	2	
Madras Presidency.....	Nov. 9-15.....	87	49	
Rangoon.....	Nov. 2-8.....	5	3	
Straits Settlements:				
Singapore.....	Oct. 26-Nov. 2.....		1	

## **SMALLPOX.**

Bolivia:				
La Paz.....	Nov. 2-28.....		30	
Canada:				
Nova Scotia—				
Sydney.....	Dec. 7-13.....	1		Counties: Dec. 10-16, 1919: Present. Nov. 30-Dec. 6, 1919: Cases, 125. In 45 localities, exclusive of Dysart and Toronto.
Ontario.....				
Hamilton.....	Dec. 14-20.....	3		
Ottawa.....	do.....	1		
Peterborough.....	Dec. 7-29.....	4		
St. Catharines.....	do.....	1		
Toronto.....	Dec. 7-13.....	271		
Windsor.....	Dec. 14-20.....	1		
Quebec—				
Montreal.....	Dec. 7-20.....	2		
Quebec.....	Dec. 7-13.....	1		

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

**Reports Received from Dec. 27, 1919, to Jan. 2, 1920—Continued.**

## **SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Nov. 4-10.....	.....	.....	Present.
Canton.....	Nov. 2-8.....	.....	.....	Do.
Chungking.....	Nov. 2-15.....	.....	.....	Do.
Chosen (Korea):				
Fusan.....	Oct. 1-31.....	2	1	
Seoul.....	do.....	9	1	
Egypt:				
Alexandria.....	Nov. 12-18.....	6	4	
Cairo.....	Oct. 1-7.....	5	1	
Port Said.....	do.....	1	.....	
Greece:				
Saloniki.....	Nov. 10-22.....	9	8	
India:				
Bombay.....	Oct. 12-25.....	6	2	
Madras.....	Nov. 9-15.....	6	3	
Rangoon.....	Nov. 2-8.....	8	3	
Italy:				
Genoa.....	Nov. 16-22.....	5	.....	
Messina.....	Nov. 10-16.....	7	3	
Japan:				
Taiwan.....	Nov. 1-20.....	10	2	Entire island.
Mexico:				
Acapulco.....	Nov. 9-15.....	2	.....	
Mexico City.....	Nov. 16-22.....	5	.....	
Portugal:				
Lisbon.....	do.....	.....	15	
Spain:				
Barcelona.....	Nov. 6-12.....	.....	2	
Cadiz.....	Oct. 1-31.....	.....	5	
Valencia.....	Nov. 10-29.....	15	3	
Vigo.....	Nov. 18-30.....	.....	6	
Turkey:				
Constantinople.....	Nov. 9-15.....	5	.....	

## **TYPHUS FEVER.**

Bolivia:				
La Paz.....	Nov. 2-22.....	.....	4	
Chile:				
Antofagasta.....	Nov. 17-23.....	4	.....	
Valparaiso.....	Nov. 9-22.....	275	41	
China:				
Antung.....	Nov. 3-9.....	1	.....	
Egypt:				
Alexandria.....	Nov. 12-18.....	4	1	
Cairo.....	Oct. 1-7.....	16	3	
Port Said.....	do.....	1	.....	
Great Britain:				
Glasgow.....	Nov. 30-Dec. 6....	2	.....	
Greece:				
Saloniki.....	Oct. 6-Nov. 2.....	.....	38	
Italy:				
Venice.....	Nov. 17-23.....	4	1	
Mexico:				
Mexico City.....	Nov. 16-22.....	46	.....	
Spain:				
Corunna.....	Nov. 24-Dec. 7....	2	.....	

## **YELLOW FEVER.**

Mexico:				
Merida.....	Dec. 7-20.....	3	2	The cases were sent from Opi- chen, vicinity of Muna. One death in case from Muna. To- tal fo Dec. 20: Cases, 46; deaths, 20.