

# PUBLIC HEALTH REPORTS

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## OUTLINE OF RURAL HEALTH ADMINISTRATION IN ROCKBRIDGE COUNTY, VIRGINIA.

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Among the counties in Virginia in which the United States Public Health Service cooperated with the State board of health in carrying out a plan of rural health work during the fiscal year July 1, 1919, to June 30, 1920, was Rockbridge County. The plan of work was formulated with a view to obtaining maximum results in health protection from minimum expenditures, and the work was concentrated upon the prevention of dangerous soil pollution. The annual budget for the average county was \$2,000.

Measures for improving the sanitary conditions of Rockbridge County, Va., were instituted July 15, 1919. On that date Sanitary Demonstrator T. J. Robinson was detailed to the county, with headquarters in Lexington, the county seat, for the purpose of encouraging the citizens to carry out the primary and fundamental measures necessary for health protection. During the first five months Mr. Robinson directed his efforts to arousing, in a general way, favorable public sentiment for rural sanitation. Privies of various types were built at the expense of local property owners in every section of the county, public meetings were held, and lectures were delivered in the more thickly settled communities. As a result of this general activity, it gradually became known in the county that health work was being carried on, though it is not probable that many citizens of the county had by that time gotten a very definite conception of the work.

With the coming of winter, outside work became very difficult. The low temperature prevented excavating and the mixing of concrete, and the condition of the roads was such as to make traveling almost impossible. Feeling that sufficient preliminary work had been done, it was decided to enter upon an intensive publicity campaign, with a definite organization for carrying out measures incident to such a movement. It was planned that the campaign should reach its climax between the 5th and 12th of April, which period would be known as "Sanitation Week," and that during "Sanitation Week" an effort would be made to have every home in Rockbridge County provided with a sanitary closet, (privy or water-closet).

### Organization.

Rockbridge County is divided geographically into eight districts, convenient in size for the purposes in question. In each district the sanitary demonstrator appointed some citizen, a man or a woman known to be very much interested in public health work, as "district manager." Each district manager—and it should be borne in mind that these district managers were very carefully selected—chose as his assistants from three to five persons within his district. These persons were designated as "district investigators," each of whom had a small territory corresponding closely to a schoolhouse (not school) district. This organization was utilized as follows:

1. As a means of obtaining the name and address of every tenant and property owner in the county. (To insure accurate and standard reports, the district managers were supplied with survey slips (Exhibit A appended). As will be noted, these survey slips supplied the office of the sanitary demonstrator with data showing sanitary conditions and giving the name of the occupant and owner of every dwelling house in the county.)
2. As a means of transmitting information, requirements, enthusiasm, and action from the sanitary demonstrator to the individual citizens.
3. As a means of posting placards, distributing literature, arranging meetings, and doing similar publicity work.

#### A. *Duties of district manager.*

- (a) To suggest names of individuals suitable for district investigators.
- (b) To suggest suitable subdivisions for a district.
- (c) To confer with district investigators.
- (d) To transmit instructions, literature, etc., from the sanitary demonstrator to district investigators.
- (e) To insure the filling out of survey slips and to collect and return such slips to the sanitary demonstrator.
- (f) To supervise in a general way the activities of the district investigators.

#### B. *Duties of district investigators.*

- (a) To fill in survey slips and return to the district manager.
- (b) To work through schools, lodges, churches, and other organizations for the success of "sanitation week."
- (c) To transmit literature, papers, etc., from the above organization to the individual citizens.
- (d) To confer with and make reports of progress, needs, etc., each week to the district manager.

In certain instances minor deviations were made from the above schedule. Occasionally the district manager would take a subdistrict and supply all data from that district. In other cases it was found more convenient to have the district investigators deal directly with the sanitary demonstrator rather than through a district manager. Inasmuch as all assistance was voluntary, it was found advisable to allow these minor deviations in order to facilitate the functioning of the organization.

#### Publicity.

Knowing the necessity of arousing public sentiment through education and publicity, use was made of every agency through which knowledge might be carried to the individual citizen. The following agencies were utilized:

##### 1. *Newspapers.*

- A. Specially prepared graded articles on health and "sanitation week" (Exhibit B).
- B. Editorials and printed letters from influential citizens (Exhibit C).
- C. Indirect advertisement by means of health lines added to regular commercial advertisements (Exhibit D).
- D. Direct advertisement of "sanitation week" (Exhibit E).

##### 2. *Lectures and public meetings.*

The sanitary demonstrator, through his organization, arranged for public meetings and lectures at suitable times and places. For this purpose, public-spirited citizens with the ability to address an audience were pressed into service. Each speaker was supplied with data (Exhibit F).

##### 3. *Ministers.*

The hearty cooperation of the ministers was enlisted. A letter was written to every minister (Exhibit G) in which he was requested to give his support and, to insure the production of greatest results with a minimum amount of effort on his part, he was supplied with carefully worded data for health talks (Exhibit H).

##### 4. *Teachers.*

A conference with the county superintendent of education opened up the possibility of obtaining the far-reaching assistance of the teachers of the county. To this end the superintendent of education addressed a letter to every teacher (Exhibit I). With this letter, which authorized the teacher's participation in the "sanitation week" program, a letter from the sanitary demonstrator was forwarded (Exhibit J). As was done in the case of the ministers, precautions were taken to minimize effort

on the teacher's part, and the sanitary demonstrator's letter carried two inclosures. One of these inclosures provided the teacher with the form of announcement to be made to her scholars (Inclosure No. 1); the second inclosure was a suggested form for a teacher's letter to parents in regard to "sanitation week" (Inclosure No. 2).

5. *Influential citizens.*

To citizens occupying positions of prominence were sent letters (Exhibit K) very similar to those sent to the ministers; in which such citizens were called upon, because of their influence, to lend their support in advertising and making a success of "Sanitation Week."

6. *Other agencies utilized.*

A. *Physicians.*

Rural postmen.

Community and civic leagues.

Boy Scouts.

District school boards.

Moving picture theaters.

County supervisors.

School children (directly and indirectly).

Conferences were held with the different groups and, as far as was practicable, some definite duty was given to each. This duty varied from a letter of indorsement to active soliciting of cooperation and action.

B. *Bulletins.*

Suitable bulletins were sent to every property owner and resident of the county. In general, these bulletins set forth the cause and prevention of filth-borne diseases and definite instructions for the protection of water supplies and for the erection or remodeling and maintenance of sanitary privies. They included—

(a) First Steps in Sanitation (Virginia State Board of Health pamphlet).

(b) Bulletin No. 68 (United States Public Health Service).

(c) Bulletin No. 69 (United States Public Health Service).

This public health literature was mailed in the early part of the campaign and in such a manner that delivery was made to every citizen upon the same day. It is felt that this item is of importance.

C. *Placards.*

Inexpensive but attractive placards (Exhibit L), about 1,000 in number, were posted in stores, schools, and other public places throughout the county.



#### D. *Letters to property owners.*

A letter, definitely setting forth the necessity for sanitary improvements in rural districts (Exhibit M), was mailed to every property owner. This letter followed the bulletins, pamphlets, etc., and, as was the case in sending literature, every citizen received his letter at the same time as did his neighbor.

#### E. *Legal notices—Copy of law and return slip.*

It was believed that, in order to attain the desired success, the building of a sanitary privy should be put upon the basis of a legal requirement and not be left to the option of the individual. The farmer invariably asks, or already knows from his neighbor, whether or not the improvements advocated are required. "Have I got to do this?" is a frequent question. Let the health officer assure him that the measures are not compulsory, except as his common sense compels, and that health officer at once loses caste. He becomes only "A fellow running around here advising you to fix your privy." On the other hand, a peremptory order to build a sanitary privy results in arousing a sentiment against the work in question. However, with the propaganda which had already been instituted in this county and with sentiment for the active prosecution of the work, the legal requirements set forth plainly and inoffensively were necessary to crystallize the sentiment aroused. Every property owner was supplied with—

- (a) A legal notice to remove insanitary conditions. (Exhibit N).
- (b) A copy of the law relative to soil pollution in the State of Virginia (Exhibit O).
- (c) A return slip (Exhibit P), transmitted with a franked envelope addressed to the sanitary demonstrator, to facilitate reporting compliance with requirements.

#### Coordination and Chronological Arrangement of Activities.

*January 25.*—The campaign led up to "sanitation week," April 5 to 12, when it was to culminate in county-wide action. Building sanitary privies was begun during the latter part of January. During that time and well on into February, the sanitary demonstrator was busy perfecting his county organization, conferring with district managers and district investigators, and making clear to them their duties and arousing their enthusiasm. Supplies—literature, envelopes, and other stationery—had already been requested from the central office, and by this time had begun to arrive. Printing contracts were let for form letters, notices, placards, copies of law, etc.

The sanitary demonstrator's county-wide organization soon began to function. Large numbers of survey slips were received from the district managers and the district investigators in the field. These came in in batches of from 50 to 200. As soon as they were received, there were prepared and addressed ready for mailing to every home reporting, envelopes containing—

1. Public health literature;
2. Letter to property owner;
3. Legal notice to remove insanitary conditions, copy of the law relative thereto, a return slip for reporting, and a penalty envelope addressed to the sanitary demonstrator.

*February 22.*—Every minister in the county announced from the pulpit "sanitation week, April 5 to 12," in accordance with request made to him by personal conference and letter. In all of the schools and churches these announcements were made weekly.

*February 23.*—A personal letter was sent to the most influential citizens of every district in the county, asking for cooperation and support.

*February 24.*—First, newspaper articles with indirect bearing, "Me, Maggie, and the Boy" by Quintard Taylor, appeared in the county paper. Other newspaper articles followed at intervals. These were written with the view of logically increasing interest in the sanitary demonstration in general and in "Sanitation Week" in particular. In these articles it was stated in no uncertain terms that "sanitation week" was not for the cleaning up of tin cans and brickbats, but for the building of sanitary privies.

*March 2.*—United States Public Health Service bulletins and State board of health pamphlets were sent to every property owner in the county. During this week, health lines began to appear in the regular advertising spaces of the newspapers. These health lines were written with three considerations in view:

1. That they be suitable to the business in question;
2. That they bring out the date of "Sanitation Week"; and
3. That they exhort the reader to "observe 'Sanitation Week'."

Posters, already distributed to district managers and district investigators, were placed during this week.

*March 26.*—The letters to property owners were released.

*March 27.*—Every school-teacher sent a personal letter, in her own handwriting, to the parents of her children, urging them to build a sanitary toilet.

*March 28.*—This day was "Sanitation Sunday" and every minister in the county preached a sermon on a health text.

*March 30.*—The evening of March 30 was "Public Health Night." Meetings, with trained speakers, were held at various strategic points in the county.

Direct advertising of "Sanitation Week" appeared in the county newspapers.

*March 31.*—Official legal notices were mailed to every property owner, giving him until April 12 to build a sanitary privy. Return report slips and self-addressed penalty envelopes were inclosed.

#### Results.

*July 1, 1920.*—The results of the above campaign have been most striking. During "sanitation week" the office of the sanitary demonstrator was literally swamped with interested citizens. That the publicity had reached to the farthest corners of this rugged and mountainous county was evidenced by the fact that people came in from every remote section. Farmers with up-to-date homes walked in to shake hands and wish us well; the man with only a patch of ground and a one-room house came to be sure that the way he had remodeled his privy was correct, or to ask for more detailed instructions; and, finally, came the "hermits" from off the beaten trails—men and women who had not "been to town" for 15 years; men and women to whom a privy, sanitary or otherwise, was a thing of mystery and an evidence of luxury. And they all left the office of the sanitary demonstrator pleased and convinced. Not one-tenth of 1 per cent of those persons interviewed expressed the slightest hostility to the campaign for better health; and these personal interviews served to turn lukewarmness, or indifference, into active interest and cooperation.

One weak point in the procedure must be admitted and stressed. A demand was created, but an adequate supply was wanting. In spite of the fact that local carpenters, mills, concrete workers, and contractors were interested and working to capacity, many orders for building and remodeling privies could not be carried out. Many citizens desirous of installing L. R. S. tanks, or chemical closets, found it necessary to be satisfied, temporarily at least, with a pit-type privy. In similar campaigns in the future, it would appear advisable to provide, through the established and approved commercial concerns, local or otherwise, for adequate facilities for supplying sanitary toilets of every type.

Below is set forth the numbers of privies of various types built during or immediately following "sanitation week" in Rockbridge County.

L. R. S. type (septic tanks).....	31
L. R. S. type (septic privy).....	6
Concrete vault type.....	127
Box and can type.....	915
Pit type.....	1,015
Total.....	<u>2,094</u>

Summary of Conclusions.

1. By proper publicity measures, result-producing interest in rural sanitation can be aroused in the average rural county.

2. The desire for sanitary improvement should be brought about by educational measures. The fact that the sanitation program is based upon legal requirements should be stated inoffensively but clearly, so that every citizen gains the right perspective of, and respect for, the work in question.

3. In formulating a plan for an intensive campaign in rural sanitation, such as the one described in this report, labor and material must be made available for the building of sanitary privies.

Exhibit A.

<b>ROCKBRIDGE COUNTY SANITARY DEMONSTRATION.</b> Virginia State Board of Health: United States Public Health Service.		
<b>SANITARY SURVEY</b>		
District.....	Subdistrict.....	Date.....
Residence.....		
P. O.....	R. F. D. No.....	
Name.....		
Name of owner.....		
Address.....		
Race.....		
Excreta disposal: Privy.....		
Water-closet.....		
Is owner progressive?.....		
Remarks.....		
.....		
.....		
.....		
..... <i>Investigator.</i>		

## Exhibit B.

## ME, MAGGIE, AND THE BOY.

By QUINTARD TAYLOR.

Yes, I reckon 'twas just about four years ago. I was livin' down in Orange County then and had as fine a little farm as there was in the State. Maggie and the boy was alive then, and our little home was just about as happy a place as you could find on this side of Jordan. Me with as fine health as man ever boasted of, havin' good luck with my crops too, and everything goin' as fine as a fiddle, and my place all paid for and nothin' to do 'cept enjoy livin' as the good Lord intended we should. And how we did enjoy sittin' by that old open fire those cold winter nights, me and Maggie and the boy, and just talkin' and dreamin' about how fine it would be when the boy grewed up and what we were goin' to make of him and how some day he was goin' to be a great man, and how—but, stranger, do you want to hear this story? Well, that was as how things were goin' with me that year—let me see—1915 I 'low it was. No man that ever lived had more to make him happy than I did then, and I was just goin' along like lots of other folks and thought that maybe I wasn't such a bad kind of feller, just as fellers run, and that, after all, this was a pretty good old world to live in.

Well, sir, one night whilst I was readin' the paper and Maggie and the boy just sittin' around, I happened to see a piece that some feller had wrote sayin' that the United States Government was goin' to send some health doctors down to our county to do something or other. I didn't exactly make out what they was drivin' at, but anyhow I didn't pay much 'tention to what it was they was talkin' about, because things was a goin' so fine with me, and the Government fellers are all the time gettin' up some new-fangled business anyhow. Me and Maggie, we just figured that there wasn't any use takin' up our time with such foolishness as that, and we just went on a cannin' fruit and gettin' ready for the winter just like we had always been a doin'.

It was getting 'round toward early fall time when we was all pretty busy pullin' fodder and makin' sorghum and one thing and another, and things was sure goin' fine with me and Maggie and that boy. Well, sir, we didn't hear anything more about that Government doctor business 'till one day old man Long's boy was a riding by and told me that he heard that them fellers had been down around the mill last week and would probably be gettin' out this way 'long about Monday or Tuesday. And, sure enough, Monday mornin' here comes one of them up through the field, all dressed up in some kind of uniform, with leggins on and smilin' and lookin' as cheerful as you please. He said that he was one of the Government doctors and that he just wanted to ask me some questions and to talk to me about how to keep from gettin' typhoid fever and how to keep the little fellers from gettin' summer bowel troubles. I 'lowed to him that we had never had no kind of sickness and hadn't took a dose of medicine in over a month, and that I didn't 'spect that he knowed such an awful lot about those things anyway, and that he was most too young lookin' to be goin' around tellin' us older folks about how to keep the children from gettin' typhoid fever. Folks around that country had been havin' typhoid all their lives, and I 'lowed to that young feller that they would keep on havin' it. We hadn't never had no typhoid in our little family, me or Maggie or the boy, and I told him so; but he just kept right on askin' me questions and puttin' 'em down on some kind of card or other. Finally when he got through with that he put his pencil back in his pocket and just lit in to tell me all about typhoid fever, just where it comes from and just what I would have to do to keep from gettin' it. He talked right interestin', that young feller did, and I sort of found myself a listenin' to him. He really seemed to be a right nice sort of chap, and after showing me some things I'd never thought of before about the well and the kitchen windows and the stable and other outhouses, he shook hands

with me and said he hoped that I could see the common horse sense in the things that he had been tellin' me about, and left me some little books and went on down and got in his buggy and drove on up the road.

Well, of course, I wanted to protect Maggie and the boy and myself, and I had already put up lightnin' rods on the house and done all of those things that folks generally does; but I was pretty busy about that time and I never did get around to doin' just what that young feller said I ought to do, and then there was my tobacco to look after, and somehow or other thought no more about what he told me until late that fall, and then I thought about him good and proper; and if I had thought more about what he told me at the right time, Maggie and the boy would have been with me today. But you know, stranger, how some folks is.

Well, sir, one evening along in late November the boy, Harry we used to call him, come in complainin' of feelin' bad and havin' a sort of headache. Maggie didn't think that it would amount to much and so just gave him a good dose of oil and put him to bed. The next mornin' he was still ailin' and for about a week he kept gettin' worse and worsen, 'till finally I 'lowed we had best send for old Dr. Hendricks. Well, the old doctor got out there tolerable early next mornin' and pernounced Harry's case as typhoid fever, and said that the little feller was goin' to have a hard fight to make it. He left Maggie some kind of medicine to give him; and I tell you what, she just waited on that boy and looked after him in such a way as only a mother can look after anybody. Of course she had to do all the cookin' and housework so as it made it pretty hard on Maggie havin' little Harry sick with typhoid and so helpless. The doctor, he come out to see him every day, and so it just dragged along that-a-way for about three weeks and the boy gettin' weaker and weaker all the time and pickin' at the bed clothes and crying out in his agony and just a sufferin' all the time. Maggie worked herself down to almost nothin' trying to care for him and make him comfortable, and then the next thing I knowed, there she was down in bed. Old Dr. Hendricks pernounced that she had typhoid too; and he told her how she got it; and then, stranger, for the first time since he had been there two months before, I thought about that young Government doctor and what he told me, and I began to feel sort of uneasy and guilty like, and I couldn't sleep none of a night just for thinkin' of Maggie and the boy in there on the bed of affliction, and me with my carelessness to blame for it all.

Of course, I didn't have much heart for doin' anything about the place. The neighbors they was all mighty good and did what they could to help out, but I tell you my farm and stock sure was goin' down hill all the time. And then little Harry died. The night we buried him—poor litter feller—Maggie was just almost delirious, and we had to have two more doctors with her, and stranger, I pray to my Maker that no man will ever have to go through the black night that I did then. Along about midnight it come up a storm, and it was such a storm as you hear folks tell about but hardly ever see; and as we sat there in that little room, all feelin' sort of helpless like, it just seemed to me that God was sort of takin' a hand in things and showin' his wrath at me through the elements. I knew then that I had surely committed an awful sin against God who had sent me Maggie and the boy, and against the world in not protectin' 'em—and along about sun-up Maggie breathed her last.

\* \* \* \* \*

I stepped right softly to the door and looked out. It was cold and clear and crisp, and I felt a snap of life in the keen air. My God, life and nothin' to live for. I lowered my head and prayed, stranger, and asked God to forgive me my sins and make me a better man and of some use to my fellow bein's; and when I raised up my head and looked down toward the road, there, drivin' out to tell Bill Jones and his Maggie and his boy the same things he had told me, was that same Government doctor.

**Exhibit C.****WEEK OF SANITATION FOR ROCKBRIDGE COUNTY.**

For the people of Virginia, and at this time particularly the citizens of Rockbridge County, the acts of assembly of 1910 are of far-reaching importance, protection, and interest. During that year the assembly of the Commonwealth passed a law vesting in the State board of health authority to adopt and promulgate regulations for the protection of the health of the people of the State.

One of the most important of the regulations promulgated under this authority by the State board of health is a regulation prohibiting insanitary privies and requiring such a privy as will not endanger a source of drinking water and so constructed as to prevent the access of flies to excrement therein.

Rockbridge County sanitary demonstration is in direct line with the letter and spirit of the law. The object of the work is to demonstrate the fundamentals in sanitation, namely, the proper disposal of human excreta and the protection of sources of drinking water.

During the past few months much work has been done in various sections of the county. Many sanitary privies have been built, and practically every thinking person knows of the work.

During the period of April 5 to 12, to be known as sanitation week, every home in Rockbridge County is called upon by a written legal notice to comply with the law.

The Government and State are both keenly interested in bringing about proper sanitation in Rockbridge County, and every effort is being made to reach each man, woman, and child in the county and to carry to them a knowledge of—

1. The importance of a sanitary privy at home;
2. How to build a sanitary privy; and
3. The legal requirements.

About the 1st of April every person, so far as possible, will receive a legal notice to remove insanitary conditions by April 12. Contained in the envelope bearing this notice will be another envelope, addressed to the sanitary demonstrator and requiring no stamp, and a return slip to be signed when privy is properly sanitized. This return slip is to be put in the addressed official envelope and mailed.

The sanitary demonstrator stands ready to assist in every way possible and requests that necessary inquiries be addressed to the undersigned.

Box 727

T. J. ROBINSON,  
*Lexington, Va.*

**Exhibit D.****PUBLIC HEALTH INSERTIONS FOR BUSINESS FIRMS.****HARDWARE STORES.**

For the successful farm—Modern machinery—Modern sanitation. Observe "sanitation week," April 5 to April 12.

Ask us about your materials for "sanitation week," April 5 to 12.

Improve your farm by the use of modern machinery. Protect your health by observing "sanitation week," April 5 to 12.

**BANKS.**

The country's greatest asset is the health of its citizens. Observe "sanitation week," April 5 to 12.

Without health you can not save. Observe "sanitation week" and make your deposits with us.

Sanitate your premises and increase your bank account. "Sanitation week," April 5 to 12.

#### GROCERY STORES.

If you are opposed to the high cost of living, observe "sanitation week," April 5 to 12.

The safety of the people is the highest law. Observe "sanitation week" and buy your groceries from us.

Live and let live. Observe "sanitation week," April 5 to 12.

#### GENERAL STORES.

Conserve your funds by buying from us. Conserve your health by sanitating your home. Observe "sanitation week."

Observe "sanitation week," April 5 to 12.

For the protection of your family, observe "sanitation week."

An insanitary closet is the recruiting officer of disease. Observe "sanitation week," April 5 to 12.

Healthy people make a prosperous community. Observe "sanitation week."

If you wear shoes, observe "sanitation week."

Read Deut. 23, 12-13. Observe "sanitation week."

Health, happiness, and prosperity for Rockbridge—observe "sanitation week," April 5 to 12.

#### DRUG STORES.

For your health—buy from us and observe "sanitation week," April 5 to 12.

Beat the high cost of sickness—observe "sanitation week," April 5 to 12.

Take the "f" out of fever. Observe "sanitation week," April 5 to 12.

A sanitary closet for every home in the county means less sickness and happier people. Observe "sanitation week."

We are in business for your health. Observe "sanitation week."

Bring down the high cost of living by killing the hookworm. Observe "sanitation week."

#### JEWELRY STORES.

The proper setting for the jewel "health" is a sanitary home. Observe "sanitation week," April 5 to 12.

Observe "sanitation week," April 5 to 12, and buy your watches from us.

If you can see, observe "sanitation week."

If your sight is bad, buy your glasses from us and observe "sanitation week," April 5 to 12.

#### FURNITURE STORES.

Take the "u" out of funeral—Observe "sanitation week."

Improve your home by buying from us and observing "sanitation week."

Insanitary conditions increase the cost of living. Observe "sanitation week," April 5 to 12.



Exhibit E.

# SANITATION WEEK

ROCKBRIDGE COUNTY

✻ APRIL 5 to 12 ✻

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During the above period it will be required, in accordance with law, that every home in Rockbridge County be supplied with a **SANITARY PRIVY**

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THE ( NEIGHBORHOOD  
COUNTY GOVERNMENT  
STATE GOVERNMENT  
U. S. GOVERNMENT ) CALLS UPON YOU

TO

**BUILD A SANITARY PRIVY**

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OBSERVE SANITATION WEEK - - - APRIL 5 TO 12

**Exhibit F.****DATA FOR HEALTH TALKS.**

The following data, referring to basic principles in rural sanitation, are furnished for the convenience of speakers cooperating in Rockbridge County sanitary demonstration.

1. Moses' sanitary law—Deut. 23, 12-13.
2. Less than 2 out of 100 homes in the United States (rural section) observe this law (no sanitary privies).
3. Hookworm (and other worms) occur in from 15 to 65 per cent of the children in Virginia. Typhoid fever is costing the State of Virginia hundreds of lives and thousands of dollars every year.
4. These diseases are entirely confined to human beings, they are spread by discharges from the human (not animal) body.
5. These diseases are preventable.
6. The preventive measure consists in the building and maintenance of a sanitary privy.
7. The laws of Virginia, enacted by a broad minded and humane legislature, require that every home shall be so protected.
8. Sanitation week, from April 5 to 12, is not for the cleaning up of rubbish and trash—these measures, while desirable, do not get at the basic needs in sanitation. Sanitation week is for the building of a sanitary toilet at every home in Rockbridge County and for a proper return to and observance of the old Mosaic law, laid down thousands of years ago.

It is suggested that the above facts be incorporated in health talks given; the body and spirit of the address depending upon the perspective of the speaker (his profession or business) and adapted to the audience, congregation, or association.

**Exhibit G.**

REVEREND AND DEAR SIR:

The United States Public Health Service is assisting the State and local authorities and every person in your community in protecting the health and lives of the citizens of the county.

As a result of intensive investigations made by the Government, it has been found that the greatest sanitary need in rural districts is the sanitary privy. In its absence, hookworm, enterocolitis, and typhoid fever flourish and sap the life's blood of the community, physically, mentally, and spiritually dwarfing their victims.

As a part of the health program, the period from April 5 to April 12, 1920, has been set aside as "sanitation week" for Rockbridge County. During "sanitation week" every home in the county must be provided with a sanitary privy. As in the case of other enterprises of the Government, every agency is asked to lend its help and because of the position of honor and trust and influence which you occupy, your assistance will be particularly valuable.

Every minister in Rockbridge County is asked to do three things:

1. To make announcements of "sanitation week" each Sunday from February 22 to April 11, 1920. (See inclosure No. 1.)
2. To preach a sermon based upon a scriptural health text on Sunday, March 23, 1920.
3. To use every effort to make the members of your congregation cooperate and voluntarily comply with the official notice to sanitize which each property owner will receive about April 1.

May I count upon you for this assistance?

I shall be grateful if you will use the inclosed official envelope, which requires no postage, for your reply.

Yours very sincerely,

## ENCLOSURE NO. 1.

[To be read each Sunday from February 22 to April 11.]

I am requested by the United States Government to announce that the period April 5 to April 12 has been set aside as sanitation week for Rockbridge County. During that week, every home in the county is called upon to provide means for the protection of the family's and the neighbors' health.

This effort of the State and Government is in close keeping with the Law of Moses, in which he instructed the children of Israel as is recorded in Deut. 23, 12-13.

An appeal is made to every home in the county to comply with the notices that will be received about April 1, and thereby prevent the great toll of death that is annually being caused by the filth-borne diseases.

**Exhibit H.****DATA FOR HEALTH TALKS.**

The following data referring to basic principles in rural sanitation are furnished for the convenience of speakers cooperating in Rockbridge County sanitary demonstration:

1. Moses' sanitary law—Deut. 23, 12-13.
2. Less than 2 out of 100 homes in the United States (rural section) observe this law (no sanitary privies).
3. Hookworm (and other worms) occur in from 15 to 65 per cent of the children in Virginia. Typhoid fever is costing the State of Virginia hundreds of lives and thousands of dollars every year.
4. These diseases are entirely confined to human beings; they are spread by discharges from the human (not animal) body.
5. These diseases are preventable.
6. The preventive measure consists in the building and maintenance of a sanitary privy.
7. The laws of Virginia, enacted by a broad-minded and humane legislature, require that every home shall be so protected.
8. Sanitation week, from April 5 to April 12, is not for the cleaning up of rubbish and trash; these measures, while desirable, do not get at the basic needs in sanitation. Sanitation week is for the building of a sanitary toilet at every home in Rockbridge County and for a proper return to and observance of the old Mosaic law, laid down thousands of years ago.

It is suggested that the above facts be incorporated in health talks; the body and spirit of the address depending upon the perspective of the speaker (his profession or business) and adapted to the audience, congregation, or association addressed.

**Exhibit I.**

DEAR TEACHER:

Mr. T. J. Robinson, who is in charge of the Rockbridge County sanitary demonstration, has conferred with me from time to time in regard to sanitation of schoolhouses and the health of the school children of the county. Mr. Robinson tells me that, as a part of the health program, the period from April 5 to April 12, 1920, has been set aside as sanitation week. During that period every home in Rockbridge County must be provided with a sanitary toilet.

One of the few things more pitiful and distressing than a healthy body with an uneducated mind is the educated mind with an unhealthy body. Education and health are interdependent. The hopes for the one rest upon the other.

This letter is to convey to you my entire approval of your participation in the program, and further to urge you to use every effort to bring success to this move for

better bodies and better minds in the citizens and future citizens of Rockbridge County.

The accompanying letter and inclosures from Mr. Robinson will outline how your cooperation can be made most effective before and during sanitation week.

Very respectfully,

\_\_\_\_\_  
*Division Superintendent of Schools.*

**Exhibit J.**

**DEAR TEACHER:**

The United States Public Health Service is assisting the State and local authorities and the people of your community in protecting the health and lives of the citizens of the county. The period from April 5 to 12, 1920, will be sanitation week for Rockbridge County. We know that you are interested in this important work because it means so much to the community; and we therefore ask you to cooperate in helping to make this campaign a complete success.

A clean community means clean lives, brighter minds, better manhood and womanhood, and better health.

Every teacher in Rockbridge County is asked to do three things:

1. Each Saturday morning, beginning February 21, to make a short talk upon the importance of sanitation and announce "sanitation week," from April 5 to April 12. (See inclosure No. 1.)

2. To copy in your own handwriting the inclosed letter (see inclosure No. 2), making such changes as you may desire, and send to parents (by pupils) on Saturday, March 27, urging their cooperation in "sanitation week."

3. To urge your patrons to comply with official legal notices which every property owner will receive about April 1. If you have a parent-teacher association, work through it.

**YOUR SUPPORT IS NEEDED. YOUR HELP THROUGH THE CHILDREN IS INVALUABLE. MAY WE HAVE IT? THANK YOU.**

Yours, very sincerely,

\_\_\_\_\_  
*Sanitary Demonstrator United States Public Health Service.*

**INCLOSURE No. 1.**

The United States Government has set aside the period April 5 to 12 as "sanitation week" in Rockbridge County. This means that every home in the county must be provided with a sanitary toilet during that week. Without sanitary toilets, sickness spreads—sickness like typhoid fever, diarrhea, dysentery, hookworm disease, and other worm diseases.

It is requested that each teacher in the county urge her pupils to write a composition on "Sanitation Week—What it is for and Why it Should be Observed," and endeavor to get some patron of the school to offer a prize of \$5 for the best composition written by the pupils of that school.

The county sanitary demonstrator, T. J. Robinson, will give a prize of \$5 for the best composition written by a rural school boy or girl in Rockbridge County. Compositions must be in his office not later than April 15, 1920. Judges for this contest will be announced not later than April 1.

## INCLOSURE No. 2.

[Suggested form for teacher's letter to parents.]

Post office.....

Date.....

DEAR MR.....

We teachers are at various times called upon to do things, but when the Government asked me to lend my aid in "sanitation week," April 5 to 12, I felt that this was really an opportunity for me to increase and add to whatever might be my usefulness in the community.

Therefore I wish to urge you, for the benefit of your family's health and as an important part in the education of the children in right living, to build a sanitary privy.

Call upon Mr. Robinson, box 727, Lexington, if you need any advice and help in this undertaking.

Sincerely,

**Exhibit K.**

MY DEAR SIR:

The United States Public Health Service is assisting the State and local authorities and every person in your community in protecting the health and lives of the citizens of the county.

As a result of intensive investigations made by the Government, it has been found that the greatest sanitary need in rural districts is the sanitary privy. In its absence hookworm, diarrhea, dysentery, and typhoid fever flourish and sap the life's blood of the community, physically, mentally, and spiritually dwarfing their victims.

As a part of the health program, the period from April 5 to April 12, 1920, has been set aside as "sanitation week" for Rockbridge County. During that week every home in the county must be provided with a sanitary privy. As in the case of other enterprises of the Government, every agency is asked to lend its help; and because of the high standard of public spirit which you maintain, and the good influence which you bring to bear upon the people of your community, your assistance will be particularly valuable. Every man in Rockbridge County who is interested in the public welfare of his community is asked to do three things:

1. To insist upon the people of his community reading carefully the public health literature which they will receive during the month of March.

2. To impress upon the people of his community at every opportunity the importance of safely disposing of the waste from the human body—the importance of building sanitary privies.

3. To use every effort to get the people of his community to cooperate and voluntarily comply with the official notices to sanitate, which each property owner will receive about April 1.

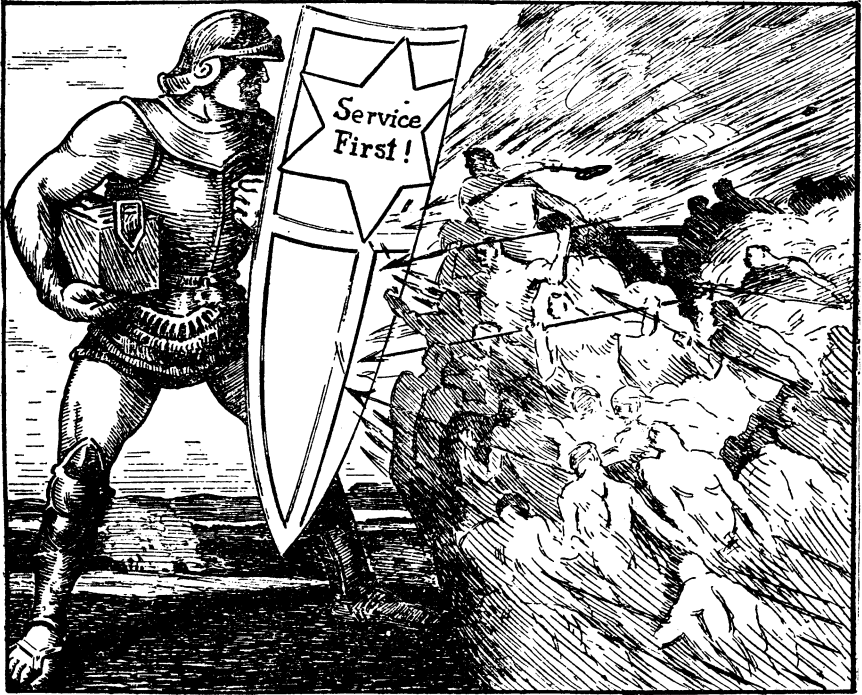
May I count upon you for this assistance?

I shall be grateful if you will use the inclosed official envelope, which requires no postage, for your reply.

Yours, very sincerely,

\_\_\_\_\_  
Sanitary Demonstrator United States Public Health Service.

Exhibit L.



## Life, Liberty, and the Pursuit of Happiness

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The building of a house : the gathering  
of a crop : the security of the family  
**DEPENDS UPON HEALTH!**

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**APRIL**  
*5th to 12th*

{ **SANITATION WEEK** }

**ROCKBRIDGE**  
**COUNTY**

The National, State, and Local Health Services expect  
you, during Sanitation Week, to support the  
cause—Protect Your Home



**BUILD A SANITARY PRIVY**

**Exhibit M.**

**THIS IS AN OFFICIAL GOVERNMENT COMMUNICATION—READ CAREFULLY.**

Date.....

**DEAR SIR:**

The United States Public Health Service is assisting the State and local authorities and every person of your community in protecting the health and lives of the citizens of the county. The period from April 5 to April 12, 1920, will be sanitation week for Rockbridge County. You are urged to avail yourself of this opportunity of obtaining benefits for the health of yourself and family. During sanitation week every home in the county must be provided with a sanitary privy or sanitary water-closet.

The expense of providing a sanitary privy is small; the expense of not providing one is great. Every effort has been made to inform you how to make a new sanitary privy or how to change the old, unsatisfactory privy to a sanitary one. If you don't know how, ask your neighbor. He knows.

On March 30, 1920, at 7.30 p. m., there will be a health meeting in your neighborhood. Be sure to attend. Let nothing keep you away.

On April 1 you will receive official notice to sanitize. Be prepared to comply. Call on me if I can help you.

Respectfully,

\_\_\_\_\_  
*Sanitary Demonstrator United States Public Health Service,  
Box 727, Lexington, Va.*

**APRIL 5 TO 12—SANITATION WEEK, ROCKBRIDGE COUNTY.**

**Exhibit N.**

**STATE BOARD OF HEALTH OF VIRGINIA.**

**ROCKBRIDGE COUNTY SANITARY DEMONSTRATION.**

Mr.....

**SIR:**

You are informed that an insanitary privy, existing on premises..... owned by you and occupied by ....., constitutes a violation of the provisions of rules and regulations for the protection of the public health, adopted by the State Board of Health of Virginia, May 5, 1916.

You are directed to remove said insanitary conditions within ten (10) days from this date, by providing a sanitary privy at the above-described premises.

**ENNION G. WILLIAMS,**  
*State Health Commissioner.*

Per .....

Date.....

*Sanitary Demonstrator, Rockbridge County.*

**Exhibit O.**

**ROCKBRIDGE COUNTY SANITARY DEMONSTRATION.**

**STATE BOARD OF HEALTH OF VIRGINIA—UNITED STATES PUBLIC HEALTH SERVICE.**

For the information of persons concerned, there are set forth below the regulations governing excreta disposal in the Commonwealth of Virginia.

The sanitary demonstrator of Rockbridge County represents the State authorities and the United States Government. His instructions and his duties are to obtain sanitary improvements, in accordance with the law, for the protection of the health of the citizens of this community.

*Rules and Regulations for the Protection of the Public Health, Adopted by the State Board of Health of Virginia, May 5, 1916.*

In the exercise of authority vested in the State Board of Health of the Commonwealth of Virginia, by chapter 170 of the Acts of Assembly, 1910, and by the provisions of other acts hereinafter mentioned, the following rules and regulations are hereby adopted and promulgated by the State board of health on this 5th day of May, 1916, and are hereby declared to have the force and effect of law within the Commonwealth, except where any town or city, in accordance with authority granted in its charter, has adopted other rules and regulations not contrary to law.

Any person who shall violate, disobey or refuse, omit or neglect to comply with any provisions of the rules and regulations so adopted shall be guilty of a misdemeanor and, upon conviction, shall be punished by fine or imprisonment, as provided by law.

PROHIBITION OF SOIL POLLUTION.

4. Every house or other place used as a human habitation in the State, every place of business and every pleasure, recreation, or construction camp, shall be provided with a decent closet or privy where human excrement is so disposed of that the excrement can not endanger a source of drinking water and can not be accessible to flies or animals.

5. No person, firm, or corporation shall maintain or permit on premises owned by him any arrangement for the disposal of human excrement which may possibly endanger a source of drinking water or be accessible to flies or animals.

6. No person shall deposit any human excrement upon the surface of the ground or in any place where it may be exposed to flies or animals.

APRIL 5 TO 12—SANITATION WEEK, ROCKBRIDGE COUNTY.

Exhibit P.

District..... Sub district.....

Inclosed herewith is an envelope which requires no postage. When your privy has been made sanitary, sign your name and address below, put in official envelope with which you have been intrusted, and mail immediately.

.....  
Date.....

DEAR MR. ROBINSON:

I am glad to report that my privy has been fixed according to directions, and I believe it is in a sanitary condition.

Sincerely,

Name.....  
Post Office..... R. F. D.....

APRIL 5 TO 12—SANITATION WEEK, ROCKBRIDGE COUNTY.



## COOPERATIVE RURAL HEALTH WORK OF THE PUBLIC HEALTH SERVICE IN THE FISCAL YEAR 1920.

By L. L. LUMSDEN, Surgeon, United States Public Health Service.

The amounts appropriated for the special studies of and demonstration work in rural sanitation by the United States Public Health Service in the last several fiscal years have been as follows:

Fiscal year.	Amount.
1917.....	\$25,000
1918.....	150,000
1919.....	150,000
1920.....	50,000

In the calendar years 1914, 1915, and 1916, sanitary surveys of typical rural counties in different sections of the country were conducted by the United States Public Health Service, in cooperation with State and local authorities. The Government expenses for these surveys were met mainly with funds allotted from appropriations to the Public Health Service for "Field Investigations." Eighteen counties in 16 States—northern, eastern, southern, and western—were surveyed. The findings and the results from these surveys are presented in Public Health Bulletin No. 94. Among the results were the determination of improved methods for the correction of insanitary conditions and the formulation of standard procedure in health work for rural communities. Among the conclusions were (1) that at less than 2 per cent of the rural homes in the United States are the most essential principles of sanitation consistently in practice; (2) that for less than 3 per cent of our rural population is local health service approaching adequacy provided; (3) that sustained, efficient, whole-time local health service is essential to the establishment and maintenance of reasonably good sanitary conditions in our rural districts; and (4) that duly efficient personnel for rural health work generally can not be expected without active participation in the work by central agencies, such as official State and National health agencies, to prevent adverse influence of local politics.

Since 1916 the rural sanitation funds of the Public Health Service have been used almost entirely for cooperative demonstration work. In the active period of the war, this work was conducted mainly in areas immediately around military camps and critically important war industries. The work in these areas served to protect the military forces and the civilian population and also to accomplish demonstrations in high-grade rural sanitation, the latter being the primary purpose for which the appropriations were granted.





Compilation of data, by counties, on cooperative demonstration work in rural sanitation in the fiscal year 1920—Continued.

	Mason, Ky.	Muscogee, Ga.	Ottawa, Okla.	Talladega, Ala.	Walker, Ala.	Walker, Ga.	Arlington, Va.	Wake and Davidson, N. C.	11 Virginia counties.	Total.
	July 1.	Aug. 1.	July 1.	July 1.	July 1.	Nov. 1.	Aug. 1.	July 1.	July 1.	
<b>Work started (1919).</b>										
<b>Expenditures:</b>										
(a) Rural sanitation funds (F. H. S.).....	\$2,151.67	\$275.00	\$3,612.76	\$1,999.15	\$1,696.87	\$800.00	\$275.00	\$2,021.26	\$13,663.37	\$45,360.72
(b) State.....	5,587.11	18,217.83	3,938.91	312.50	4,100.00	1,901.80	2,000.00	44,038.00	18,253.85	30,554.56
(c) County.....	375.00	18,217.83	2,498.44	6,351.41	1,400.00	1,901.80	3,050.00	44,038.00	10,815.35	144,538.32
(d) Other agencies.....				2,551.71	4,400.00		3,200.00		10,815.35	54,011.47
<b>Total.....</b>	8,113.78	36,710.66	10,038.11	11,214.77	7,196.87	2,701.80	8,525.00	46,059.26	42,732.57	274,466.07
<b>Number of lectures.....</b>	78	10	33	20	49	61	64		191	1,183
<b>Attendance at lectures.....</b>	5,102	357	(7)	1,537	2,245	3,862	4,450		18,000	83,668
<b>Pieces of literature distributed.....</b>	1,645	11,285	3,322	6,161	3,565	3,911	2,224			105,345
<b>Sanitary inspections:</b>										
(1) Private homes.....	1,103	47,610	2,645	571	1,282	3,284	3,472		12,373	150,005
(2) Schools.....	126	31	25	32	54	54	321			1,492
(3) Churches.....			2	2	4					1,105
(4) Stores, markets, etc.....	16	2,369	371	71	190	83	50			16,876
<b>Total.....</b>	1,245	50,010	3,043	696	1,530	3,421	3,853		12,373	168,568
<b>Special inspections:</b>										
Food product places.....	8	234	35	221	78	46	18			7,665
Physical examination of school children:										
(1) Number examined.....	2,408	1,376	1,593	1,964	3,559	770	2,083			45,019
(2) Number found defective.....	1,939	1,069	738	1,094	2,675	562	6,750			27,631
<b>Public health nursing:</b>										
(1) Number of visits to cases of communicable diseases.....	323	296	733	705	772		153			16,872
(2) Number of talks given groups of persons.....	90	17	30	74	121		941			2,462
(3) Number of visits to give prenatal care.....	18	73	47	8	43					670
(4) Number of visits to explain and demonstrate infant hygiene.....	87	1,964	125	38	44					5,423
<b>Laboratory examinations:</b>										
Positive.....	170	585		438	124	4	70			3,372
Negative.....	211	1,223		1,940	251	5	305			7,438



With the termination of the active period of the war an enlargement of the program of cooperative rural health work, as an activity of the Federal health agency to stimulate nation-wide work to make up the losses in vital capital caused by and coincident with the war, appeared, in view of the demonstrated effectiveness of the plan proposed, to be definitely and clearly advisable. The estimate of appropriation approved by the Bureau of the Public Health Service and the Treasury Department and submitted to Congress for special studies of and demonstration work in rural sanitation in the fiscal year 1920 was \$500,000. Congress granted only \$50,000.

#### WORK IN THE FISCAL YEAR 1920.

On account of the reduction in the appropriation, the work in a considerable number of areas in which it was yielding excellent results had to be discontinued. Numerous requests from communities, counties, and States in different parts of the country for cooperation from the Public Health Service in the demonstration of methods of rural health work had to be declined. The amount to be appropriated by Congress for this work could not be anticipated, and the \$50,000 was not made available until about the middle of July, 1919. Thus the fiscal year had begun before contracts for the work during the fiscal year ended June 30, 1920, could be made. Notwithstanding such handicap, satisfactory odds from State and local sources for the financial support of the cooperative projects were obtained.

On July 1, 1919, about \$9,000 unexpended under previous contracts remained available. This amount and the \$50,000 appropriated made \$59,000 available for the cooperative rural health work of the Public Health Service in the fiscal year 1920. Of this sum, \$45,360.72 has been expended under allotments for cooperative projects in counties, and about \$13,000 has been expended for administration and supervision of the concrete activities and for general studies of the problem of rural sanitation.

During the fiscal year ended June 30, 1920, cooperative projects were carried out in 31 counties in 11 States. To meet the expenses of this cooperative work, a total of \$175,093.88 was furnished and expended from community, county, and State governmental sources, and \$54,001.47 from civic sources, such as local health associations, Red Cross chapters, and the International Health Board. Thus, this investment of Federal funds has been met with odds of about five to one, which indicates unmistakably that such investment of Federal funds stimulates to a significant degree State, county, and municipal governments to invest in the business of rural health promotion.

The scope and the results of the work and the funds expended from the different sources are presented in the accompanying tabular statement.

### Plan of Work.

In every instance the cooperation of the Public Health Service is extended only in response to formal requests from the proper governmental authorities of the county and from the State health department. A preliminary survey of the situation is made by a representative of the State health department or a representative of the Public Health Service or both. From the data obtained in the preliminary survey the general plan of work to be carried out and the amount of funds necessary to secure the definite results desired are agreed to by the several agencies which are to cooperate in the project.

The working force in the average demonstration county consists of a whole-time county health officer, a whole-time sanitary inspector, and a whole-time health nurse. The health officer and the other members of the working force are appointed by the proper county authorities, but they must be acceptable to all of the cooperating agencies. The only ground upon which the interests of all the cooperating agencies can meet is that of fitness of the personnel to render efficient services. The county health officer is given a status of field agent in the Public Health Service and also, as a rule, a status of deputy State health officer. Thus his position is an example of common-sense coordination of the administrative features of the activities of the properly constituted local, State, and National governmental health agencies.

The different branches of health work indicated in the county are taken up in what appears to be the logical and most advantageous sequence. Every salient branch of health work—including safeguarding of water and food supplies, sanitary excreta disposal, fly control, antimalarial measures, infant hygiene, school inspection, antituberculosis and antivenereal disease measures, industrial hygiene, etc.—is carried out in the demonstration units. Thus, the work is comprehensive, and it can be adjusted for advantageous cooperation from the various and sundry governmental and extra-governmental health agencies which have been created for one reason or another.

The plans of the work carried out in Wake and Durham Counties, N. C., and in the group of 11 counties in Virginia, differed somewhat from those of the work carried out in the other counties presented in the tabular statement, in that the activities were concentrated especially upon measures for furnishing clean water supplies and sanitary disposal of human excreta.

#### Demonstration in Wake and Durham Counties, N. C.

The demonstration work in rural sanitation in Wake and Durham Counties, begun in the fiscal year ended June 30, 1919, with an allotment of \$10,000 from the rural sanitation fund of the Public Health

Service and a special appropriation of \$5,000 made by each of the two counties, was continued in the fiscal year ended June 30, 1920, from July 1, 1919, to November 1, 1919. The funds available for the special project in the fiscal year ended June 30, 1920, were \$2,144.41 from the Public Health Service and about \$5,000 from the counties, together with about \$45,000 of county funds appropriated for general health activities.

Large returns were obtained on the investment for the cooperative rural sanitation work in these two counties. The advancement of sanitary improvements was remarkably rapid and extensive. In a large proportion of the closely built-up areas public water supplies of good quality were installed to take the place of polluted private supplies and sewerage systems were installed, with the abolishment of hundreds of insanitary privies. In the strictly rural areas over 2,000 privies of sanitary type were installed either to replace privies of grossly insanitary type or to provide sanitary conveniences at homes where no privies previously had existed. Milk and other food supplies were safeguarded by the installation of pasteurizing plants and by general sanitary measures. Over \$400,000 was expended by local property owners for sanitary improvements, including (1) \$104,000 for water supplies; (2) \$213,700 for installation or extension of sewerage systems; (3) \$41,990 for installation of sanitary privies; (4) \$1,100 for installation of septic tanks; (5) \$28,000 for pasteurizers and other improved equipment at dairies; (6) \$5,406 for screening, washing machines, and other improved equipment at eating establishments, and (7) \$14,400 for ditching and oiling to prevent breeding of potentially malaria-carrying mosquitoes.

As a result of the sanitary improvements there was a wholesome reduction in the local prevalence of many of the communicable diseases. In Durham County 214 cases of and 31 deaths from typhoid fever were reported in the calendar year 1918, as against only 70 cases with 5 deaths in the period January 1 to October 1, 1919.

In the fiscal year ended June 30, 1920, Wake County established a county health department with whole-time personnel, appropriating for its support \$21,500, and Durham County increased its annual appropriation for its whole-time health department from \$12,538 to \$22,538.

#### **Cooperative Demonstration Work in 11 Virginia Counties.**

Besides the cooperation in Arlington County, indicated in the tabular statement on pages 2332-33, a special plan of cooperative demonstration work in rural sanitation was carried out in the following 11 counties in Virginia: Alleghany, Bath, Chesterfield, Greensville, Henry, Lunenburg, Mecklenburg, Orange, Rockbridge, Roanoke, and Warren. This plan was formulated with a view to accomplishing



on the most economical basis possible the most important results of sanitation in counties unable or (at the beginning) unwilling to expend much for health service.

In January, 1919, the State Board of Health of Virginia formally requested the Public Health Service to allot \$15,000 from its rural sanitation fund to meet a sum of at least equal amount to be allotted from the State board of health appropriations, so as to provide a combined fund of at least \$30,000 for the project. The preliminary work was begun in February, 1919, when Passed Asst. Surg. W. F. Draper was detailed to Virginia to cooperate with the State board of health and the State council of national defense to assist in inaugurating and supervising the activities in different parts of the State. The first few months were spent in negotiating with the authorities and interested citizens of various counties and in conducting a series of public meetings in different parts of the State to explain the purpose and the importance of increased health work in Virginia. Little of the detailed work in the counties was performed before July 1, 1919. It was expected that the authorities of counties generally would be reluctant to appropriate county money to enter into the cooperative health project; but soon after the negotiations were begun it was discovered with surprise and, because of the popular interest indicated, with gratification that every county to which the proposition had been presented was offering to participate, and the requests from counties for the cooperation soon exceeded the limits of the combined fund from State and National Government sources.

Each of the 11 counties furnished \$1,000 to support the cooperative work. The county fund was met with \$500 from the State board of health and \$500 from the Public Health Service, making a budget of \$2,000 for the conduct of the work in each county for one year. With this budget a man trained in the fundamental principles of health work was engaged as sanitary demonstrator at a salary of \$100 a month and automobile transportation was provided. The branches of work concentrated upon were those which appeared to promise the most in health protection from the amount of work and money to be expended. They included especially sanitary disposal of human excreta, protection of drinking-water supplies against dangerous contamination, and, to a less extent, control of mosquito breeding.

The duties of the sanitary demonstrator were as follows:

1. To make sanitary surveys of incorporated towns and villages in the county and recommend the adoption and enforcement of such sanitary ordinances as might be needed, to arouse popular interest to support the sanitary work, and to give all possible assistance to town councils and to individual citizens in carrying out the detailed measures for sanitary improvements.

2. To inaugurate measures to provide sanitary toilets and a safe water supply at every school in the county, to assist in securing funds for same, and to supervise the construction work to see that it was carried to a successful conclusion.

3. To do all possible by educational measures, persuasion, and technical assistance to secure as far as possible at individual homes throughout the county the installation and proper maintenance and use of sanitary toilets and safe water supplies.

4. To create popular interest and sentiment for public health work so that the citizens would be definitely concerned to have a duly comprehensive and adequate county health service, or at least continue on the same scale the following year.

An officer of the Public Health Service, with especial training in rural health work, was assigned to supervise the cooperative work in each group of four counties. The duties of the supervising officer were to plan and direct the work of the county sanitary demonstrators, help them in their problems, appear before town councils, county authorities, and public meetings in matters relating to the work and, through his knowledge and experience, stimulate popular cooperation for the success of the demonstration.

The results of the work are very encouraging. In each of the counties in which the work has been conducted for as long as 10 months, a large number of the homes (ranging from 300 to 2,500) have made radical sanitary improvements. In the average county the prevalence of filth-borne infections has been markedly reduced. As an indication that the results have been convincing is the fact that all of these counties, with one exception, have agreed to increase their appropriations from county sources for county health work in the coming year from 50 to 500 per cent. Furthermore, a number of counties within the general vicinity of the demonstration counties are now inaugurating, entirely or largely at county expense, more or less adequate county health services.

That this cooperative demonstration work in rural sanitation has stimulated State-wide public interest for public health organization and development in the rural districts of Virginia is indicated by the increasing appropriations from year to year shown in the following table:

*Appropriations for rural sanitation.*

Year.	State.	Counties.	Total.
1914.....	\$7,200	\$7,200	\$14,400
1917.....	7,200	7,200	14,400
1918.....	10,000	10,000	20,000
1919.....	17,500	17,500	35,000
1920.....	30,000	70,000	100,000

### Administration.

The work was conducted under the administrative direction of the Division of Scientific Research, Bureau of the Public Health Service. Surg. L. L. Lumsden, with headquarters at the Rural Sanitation Office in Washington, D. C., had charge of the field activities. Passed Asst. Surg. W. F. Draper, with headquarters in the State board of health office at Richmond, Va., had immediate supervision over the cooperative projects in Virginia. Passed Asst. Surg. K. E. Miller, with headquarters in the State board of health office at Raleigh, N. C., had immediate supervision over the cooperative projects in North Carolina and South Carolina, and during the fiscal year was given by the State board of health direction of all county health work in North Carolina in which the State board was a participant. Asst. Surg. Thomas Parran, jr., with headquarters at Joplin, Mo., had immediate supervision over the cooperative projects in Missouri, Oklahoma, and Kansas. Associate Epidemiologist W. K. Sharp, jr., with headquarters in the State board of health office at Montgomery, Ala., had immediate supervision over the cooperative projects in Alabama, Mississippi, and Kentucky. Associate Epidemiologist C. C. Applewhite, with headquarters in the State board of health office at Atlanta, Ga., had immediate supervision over the cooperative projects in Georgia and Tennessee. These field directors, besides making frequent inspections of the work and advising with field agents in their respective jurisdictions, made general studies of the problem of rural sanitation and assisted State health departments in stimulating the development of efficient whole-time health service in rural counties and townships.

### Results.

Every one of the cooperative projects in the fiscal year ended June 30, 1920, yielded results exceeding in value manyfold the cost in labor and money. Among the total results indicated in the tabular statement, to which especial consideration may be given, are:

1. Public health lectures presenting the principles and details of sanitation to over 83,000 persons.
2. Over 150,000 sanitary inspections of private homes, with plain discussion of the findings being made in almost all instances with members of the households.
3. Physical examination of over 45,000 school children, with notification of parents resulting in the institution of corrective measures among a considerable proportion of the 27,631 children who were found to have more or less incapacitating physical defects.
4. Eighteen thousand eight hundred and seventy-two visits by health nurses to homes of cases of communicable disease, to advise and show the afflicted households how to prevent the spread of the infections.

5. Six hundred and seventy visits by health nurses to advise with and assist expectant mothers in carrying out hygienic and physiological measures making for healthy mothers and healthy babies.

6. Five thousand four hundred and twenty-eight home visits by health nurses to demonstrate hygienic measures for the protection of the health and lives of infants.

7. Nineteen thousand three hundred and seventy persons vaccinated for protection against smallpox, a disease which now should be obsolete and which can be made so by thorough vaccination.

8. Twenty-one thousand two hundred and three treatments to free persons of venereal disease infection and prevent the spread of the infection.

9. Four thousand one hundred and fifty-one cases of dangerous communicable disease quarantined to prevent spread of infection in the community, the State, and throughout the country.

10. The installation of 16,250 sanitary privies at homes previously provided with grossly insanitary privies or without toilets of any sort.

11. One thousand one hundred and seventy-eight homes provided with clean water supplies in place of contaminated water supplies.

12. Radical improvement of 494 public milk supplies, distributed to a considerable extent through the channels of interstate commerce, to prevent the spread, through the enriching medium of milk, of such infections as those of typhoid fever, scarlet fever, diphtheria, tuberculosis, septic sore throat, and infant diarrhea.

The value to the community of measures which result in the changing of a child from a cripple to a healthy-bodied, healthy-minded being, and the value to a mother of the life of her baby can not be estimated in dollars and cents; but the monetary value to a community of a marked lowering of sickness rate, with a corresponding increase in wage earning, may be estimated roughly. The cooperative projects generally, if considered only from a monetary standpoint, have been locally and nationally successful.

Among the demonstration units in which remarkable reduction in sickness and death rates has followed the sanitary improvements accomplished is Madison County, Ala. In this county, with a population of 50,000, the cooperative work was begun in the latter part of the calendar year 1917. The reduction in deaths for the year 1919, as compared with 1915, 1916, and 1917, which appeared definitely to result from the sanitary improvements accomplished, amounted to a saving in that year of over 150 human lives. The total cost of the health work in that county—met with funds from local, State, and National governmental sources—was for each of the calendar years 1918 and 1919 about \$10,000. The saving of the lives of American citizens at a cost of \$66 per life saved seems a reasonably good investment.

Among the States to which the Public Health Service has extended its cooperation in rural health work and in which progress in State-wide development of rural health work has been especially good may be mentioned Virginia, Alabama, Georgia, and North Carolina. The progress in Virginia is indicated in a previous section of this report, page 2336.

Alabama, having in 1915 only 1 county provided with a whole-time health department with a whole-time county health officer at its head, now has 16 counties, comprising over one-fourth of the rural population of the State, provided with county health departments, each having at its head a whole-time county health officer.

In Georgia, at the beginning of the fiscal year 1920, 9 counties had whole-time health departments, with appropriations from county sources aggregating \$43,400. In the course of the fiscal year, 8 additional counties established whole-time county health departments, making a total of 17, with appropriations from county sources aggregating over \$95,400, and 8 other counties, in which activities are to be begun as soon as properly qualified personnel to fill the positions of county health officers can be found, made appropriations and otherwise complied with the requirements of the State law relating to the establishment of whole-time county health departments.

In North Carolina, in the fiscal year 1920, 8 counties were added to the list of counties maintaining in financial cooperation with the State board of health whole-time county health departments, making a total of 21 such counties in that State, with budgets for health work increased from an aggregate of \$101,400 for 1919 to \$183,200 for 1920. In addition to these cooperative counties, 4 counties in North Carolina are maintaining entirely at their own expense whole-time health departments.

#### Conclusion.

Reasonably adequate appropriations for the cooperative activities of the United States Public Health Service in rural health work could be used with a high degree of effectiveness, and in entire consistence with our principles of government, for nation-wide promotion of human health, and would yield to the national welfare a dividend second to no other obtainable from investment of Federal funds.

#### IN MEMORIAM.

Acting-Assistant Surgeon J. A. Hedrick, on duty at Vera Cruz, Mexico, died of yellow fever at that place on September 26, 1920.

Another name is added to that illustrious roll of officers of the United States Public Health Service who have given their lives in line of duty.

**DEATHS DURING WEEKS ENDED SEPT. 11 AND SEPT. 18, 1920.**

[From the "Weekly Health Index," Sept. 14 and Sept. 21, 1920, 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 Sept. 11, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.*

City.	Population Jan. 1, 1920, subject to revision.	Week ended Sept. 11, 1920.		Average annual death rate per 1,000. <sup>3</sup>	Per cent of deaths under 1 year.	
		Total deaths.	Death rate. <sup>1</sup>		Week ended Sept. 11, 1920.	Previous year of years. <sup>2</sup>
Akron, Ohio.....	208,435	33	8.3	* 10.2	15.2	* 20.2
Albany, N. Y.....	113,344	31	14.3	C 10.6	0.0	C 21.7
Atlanta, Ga.....	200,616	69	17.9	C 14.5	18.8	C 5.5
Baltimore, Md.....	733,326	179	12.7	A 14.8	19.6	A 27.5
Birmingham, Ala.....	178,270	51	14.9	A 16.6	15.7	A 15.9
Boston, Mass.....	747,923	162	11.3	A 15.4	25.3	A 25.2
Bridgeport, Conn.....	143,152	31	11.3		35.5	
Buffalo, N. Y.....	506,775	126	13.0	C 12.6	22.2	C 24.0
Cambridge, Mass.....	109,466	32	15.2	A 11.7	21.9	A 25.2
Chicago, Ill.....	2,701,705	482	9.3	A 12.8	22.6	A 23.7
Cincinnati, Ohio.....	401,247	89	11.6	C 13.5	13.5	C 11.7
Cleveland, Ohio.....	796,836	174	11.4	C 12.9	21.8	C 21.6
Columbus, Ohio.....	237,031	65	14.3	C 12.9	29.2	C 20.7
Dallas, Tex.....	168,976	25	8.2		8.0	
Dayton, Ohio.....	153,830	25	8.5	C 8.2	20.0	C 33.3
Denver, Colo.....	256,491	71	14.4	A 11.2	15.5	
Fall River, Mass.....	120,485	31	13.4	C 10.8	29.0	C 28.0
Grand Rapids, Mich.....	137,634	22	8.3	C 9.2	36.4	C 4.2
Hartford, Conn.....	138,036	41	15.5		19.5	
Indianapolis, Ind.....	314,194	81	13.4	C 11.1	21.0	C 4.5
Jersey City, N. J.....	297,864	53	9.3	C 14.1	24.5	C 20.0
Kansas City, Kans.....	101,177	23	11.9		17.4	
Kansas City, Mo.....	324,410	91	14.6	C 11.2	23.1	C 17.4
Los Angeles, Calif.....	576,673	138	12.5	A 11.2	8.0	A 10.4
Louisville, Ky.....	234,891	48	10.7	C 11.6	12.5	C 15.4
Lowell, Mass.....	112,479	30	13.9	A 17.6	26.7	A 35.5
Milwaukee, Wis.....	457,147	61	7.0	A 11.1	18.0	A 25.1
Minneapolis, Minn.....	390,582	74	10.1	C 9.8	9.5	C 14.1
Nashville, Tenn.....	118,342	33	14.5	C 16.8	15.2	C 7.9
Now Bedford, Mass.....	121,217	20	8.6	A 15.7	30.0	A 41.0
New Haven, Conn.....	162,519	26	8.3	C 8.1	12.1	C 20.0
New Orleans, La.....	387,219	116	15.6	A 17.0	12.1	A 12.6
New York, N. Y.....	5,621,151	1,090	10.1	C 10.0	18.8	C 19.2
Norfolk, Va.....	115,777	20	9.0		20.0	
Oakland, Calif.....	216,361	36	8.7	A 10.7	16.7	C 13.9
Omaha, Nebr.....	191,601	45	12.4	C 9.9	22.2	C 18.6
Philadelphia, Pa.....	1,823,158	359	10.3	* 14.5	18.4	* 20.2
Pittsburgh, Pa.....	588,193	126	11.2	C 12.1	25.4	C 16.2
Portland, Oreg.....	258,288	46	9.3	C 9.0	15.2	C 6.8
Providence, R. I.....	237,595	52	11.4	C 14.5	26.9	C 12.8
Richmond, Va.....	171,667	37	11.2	C 10.5	13.5	C 17.6
Rochester, N. Y.....	295,750	65	11.5	C 12.0	23.1	C 14.9
St. Louis, Mo.....	772,897	152	10.3	C 12.2	13.8	C 9.4
St. Paul, Minn.....	234,595	45	10.3	C 12.9	15.6	C 10.3
Salt Lake City, Utah.....	118,110	25	11.0	A 11.8	20.0	
San Francisco, Calif.....	508,410	169	17.3	C 11.1	5.0	C 4.7
Seattle, Wash.....	315,652	42	6.9	A 8.2	7.1	A 10.0
Spokane, Wash.....	104,204	22	11.0	C 15.0	22.7	C 3.3
Springfield, Mass.....	129,338	29	11.7		17.2	
Syracuse, N. Y.....	171,647	41	12.5	C 15.0	17.1	C 22.4
Toledo, Ohio.....	243,109	50	16.7	A 14.8	24.0	A 21.4
Trenton, N. J.....	112,280	42	18.4	A 16.3	21.4	A 24.3
Washington, D. C.....	437,571	101	12.0	A 15.4	15.8	A 18.0
Worcester, Mass.....	179,754	40	11.6	C 9.4	15.0	C 9.4
Yonkers, N. Y.....	100,226	31	16.1	A 13.2	9.7	A 29.8
Youngstown, Ohio.....	132,358	17	6.7		11.8	

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

<sup>2</sup> "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1919.

<sup>3</sup> Data are based on statistics of 1915, 1916, and 1917.

*Summary of information received by telegraph from industrial insurance companies for week ended Sept. 11, 1920.*

Policies in force.....	44,937,106
Number of death claims.....	6,046
Death claims per 1,000 policies in force, annual rate.....	7.0

Deaths from all causes in certain large cities of the United States during the week ended Sept. 18, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.

City	Population Jan. 1, 1920, subject to revision.	Week ended Sept. 18, 1920.		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 Sept. 18, 1920.	Previous year or years. <sup>3</sup>
Akron, Ohio.....	208,435	43	10.8	* 8.2	20.9	* 18.9
Albany, N. Y.....	113,344	36	16.6	C 13.4	16.7	C 17.2
Atlanta, Ga.....	200,616	64	13.6	C 11.3	12.5	C 16.3
Baltimore, Md.....	753,829	188	13.4	A 15.1	25.0	A 24.5
Birmingham, Ala.....	178,270	63	18.4	A 15.6	11.1	A 14.2
Boston, Mass.....	747,923	178	12.4	A 16.1	14.6	A 21.8
Bridgeport, Conn.....	143,152	23	8.4	A 13.0	17.4	A 18.7
Buffalo, N. Y.....	506,775	103	10.6	C 13.3	30.1	C 22.7
Cambridge, Mass.....	109,456	20	9.5	A 14.1	30.0	A 19.4
Chicago, Ill.....	2,701,705	497	9.6	A 13.3	24.5	A 23.7
Cincinnati, Ohio.....	401,247	100	13.0	C 10.2	17.0	C 16.7
Cleveland, Ohio.....	796,836	175	11.5	C 8.8	28.6	C 23.5
Columbus, Ohio.....	237,031	55	12.1	C 8.9	27.3	C 20.0
Dallas, Tex.....	158,976	37	12.1		18.9	
Dayton, Ohio.....	153,830	24	8.1	C 11.3	25.0	C 18.2
Denver, Colo.....	256,491	81	16.5	A 13.2	17.3	
Detroit, Mich.....	993,739	137	7.2		32.8	
Fall River, Mass.....	120,485	30	13.0	C 11.3	33.3	C 23.1
Grand Rapids, Mich.....	137,634	24	9.1	C 9.2	16.7	C 16.7
Hartford, Conn.....	138,036	42	15.9		28.6	
Indianapolis, Ind.....	314,194	67	11.1	C 12.3	23.9	C 17.8
Jersey City, N. J.....	288,079	59	10.3	C 9.1	22.0	C 9.6
Kansas City, Kans.....	101,177	29	14.9		27.6	
Kansas City, Mo.....	324,410	73	11.7	C 14.3	16.4	C 10.2
Los Angeles, Calif.....	576,673	134	12.1	A 10.7	7.5	A 11.1
Louisville, Ky.....	234,891	52	11.5	C 9.1	9.6	C 9.9
Lowell, Mass.....	112,479	30	13.9	A 19.0	36.7	A 41.8
Milwaukee, Wis.....	457,147	79	9.0	A 9.8	25.3	A 27.2
Minneapolis, Minn.....	380,582	53	7.3	C 7.6	15.1	C 14.5
Nashville, Tenn.....	118,342	38	16.7	C 12.4	10.5	C 14.3
Newark, N. J.....	414,216	83	10.4	C 10.0	19.3	C 16.5
New Bedford, Mass.....	121,217	80	12.9	A 15.2	20.0	A 38.6
New Haven, Conn.....	162,519	33	10.6	C 14.9	15.2	C 13.0
New Orleans, La.....	387,219	124	16.7	A 17.7	9.7	A 11.3
New York, N. Y.....	5,621,151	1,040	9.6	C 9.0	17.0	C 18.2
Norfolk, Va.....	115,777	10	4.5		16.0	
Oakland, Calif.....	216,361	35	8.4	A 10.4	11.4	A 13.4
Omaha, Nebr.....	191,601	29	7.9	C 7.7	27.6	C 7.1
Philadelphia, Pa.....	1,823,158	395	11.3	* 14.0	21.3	* 20.5
Pittsburgh, Pa.....	588,193	141	12.3	C 11.6	18.4	C 23.1
Portland, Oreg.....	258,288	37	7.5	C 11.6	2.7	C 10.5
Providence, R. I.....	237,585	62	13.6	C 12.8	29.0	C 10.3
Richmond, Va.....	171,667	45	13.7	C 12.3	28.9	C 12.5
Rochester, N. Y.....	285,750	56	9.9	C 9.5	23.2	C 13.2
St. Louis, Mo.....	772,897	159	10.7	C 11.7	11.9	C 18.6
St. Paul, Minn.....	234,595	51	11.3	C 8.9	13.7	C 10.0
Salt Lake City, Utah.....	118,110	22	9.7	A 12.3	18.2	
San Francisco, Calif.....	506,676	112	11.5	C 10.8	10.7	C 6.7
Seattle, Wash.....	315,652	42	6.9	A 6.9	4.8	A 8.6
Spokane, Wash.....	104,204	27	13.5	C 10.0	25.9	C 15.0
Springfield, Mass.....	129,338	26	10.5		23.1	
Syracuse, N. Y.....	171,647	46	14.0	C 11.1	28.3	C 22.2
Toledo, Ohio.....	243,109	56	12.0	A 14.8	23.2	A 25.3
Trenton, N. J.....	119,289	31	13.6	A 22.0	32.3	A 26.0
Washington, D. C.....	437,571	107	12.8	A 15.6	10.3	A 16.0
Worcester, Mass.....	179,754	42	12.2	C 12.6	21.4	C 18.6
Yonkers, N. Y.....	100,176	18	9.4	A 12.6	33.3	A 22.2
Youngstown, Ohio.....	132,358	21	8.3		19.0	

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

<sup>2</sup> "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1919.

<sup>3</sup> Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Sept. 13, 1920.

Policies in force.....	44,060,477
Number of death claims.....	6,951
Death claims per 1,000 policies in force, annual rate.....	8.2

# 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 Sept. 25, 1920.

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

ALABAMA.		CONNECTICUT—continued.	
	Cases.		Cases.
Diphtheria.....	49	Lethargic encephalitis.....	1
Hookworm.....	6	Measles.....	12
Malaria.....	53	Mumps.....	3
Pellagra.....	2	Paratyphoid fever.....	2
Scarlet fever.....	23	Pneumonia.....	5
Septic sore throat.....	9	Poliomyelitis.....	5
Tuberculosis (pulmonary).....	20	Scarlet fever:	
Typhoid fever.....	27	New Haven.....	16
Whooping cough.....	5	Scattering.....	24
		Tuberculosis (all forms).....	45
		Typhoid fever:	
		Hartford.....	10
		Scattering.....	14
		Whooping cough.....	59
ARKANSAS.		DELAWARE.	
Chicken pox.....	6	Diphtheria.....	2
Diphtheria.....	32	Scarlet fever.....	8
Hookworm.....	4	Tuberculosis.....	1
Influenza.....	5	Typhoid fever.....	5
Malaria.....	533	Whooping cough.....	9
Measles.....	5		
Ophthalmia neonatorum.....	1	GEORGIA.	
Pellagra.....	12	Cerebrospinal meningitis.....	2
Scarlet fever.....	15	Chicken pox.....	5
Smallpox.....	2	Diphtheria.....	127
Trachoma.....	1	Dysentery (amebic).....	1
Tuberculosis.....	12	Dysentery (bacillary).....	5
Typhoid fever.....	31	German measles.....	1
Whooping cough.....	48	Hookworm.....	28
		Influenza.....	36
		Malaria.....	242
		Measles.....	13
		Pneumonia.....	11
		Scarlet fever.....	22
		Septic sore throat.....	34
		Smallpox.....	32
		Tetanus.....	1
		Trachoma.....	2
		Tuberculosis (all forms).....	11
		Typhoid fever.....	45
		Whooping cough.....	19
CALIFORNIA.			
Anthrax—Salinas.....	1		
Lethargic encephalitis—San Francisco.....	1		
Paratyphoid fever.....	3		
Smallpox:			
San Luis Obispo.....	7		
Scattering.....	29		
Typhoid fever.....	22		
CONNECTICUT.			
Cerebrospinal meningitis.....	1		
Chicken pox.....	1		
Diphtheria:			
Hartford.....	10		
Scattering.....	25		
German measles.....	1		



ILLINOIS.		MAINE—continued.	
	Cases.		Cases.
Cerebrospinal meningitis—Chicago	5	Paratyphoid fever	1
Diphtheria:		Scarlet fever	11
Chicago	129	Smallpox	6
Scattering	71	Tetanus	1
Influenza	11	Tuberculosis	13
Lethargic encephalitis:		Typhoid fever	24
Kane County—		Whooping cough	9
Virgil Township	1		
Pneumonia	54	MARYLAND. <sup>1</sup>	
Poliomyelitis:		Cerebrospinal meningitis	1
Algonquin	1	Chicken pox	8
Bend County—		Diphtheria	45
Mulberry Grove Township	1	Dysentery	22
Brimfield	1	Influenza	21
Chicago	10	Lethargic encephalitis	1
Franklin County—		Malaria	7
Barron Township	1	Measles	21
Glen Carbon	1	Mumps	3
Harvard	1	Ophthalmia neonatorum	3
Jackson County—		Paratyphoid fever	2
Sandridge Township	1	Pneumonia (all forms)	15
Lake County—		Poliomyelitis	1
Libertyville Township	1	Scarlet fever	21
Newton	1	Septic sore throat	1
Scarlet fever:		Tuberculosis	40
Chicago	70	Typhoid fever	54
Hindsboro	9	Whooping cough	23
Scattering	46		
Smallpox	26	MASSACHUSETTS.	
Typhoid fever:		Actinomycosis	1
Chicago	20	Cerebrospinal meningitis	7
Tuscola	16	Chicken pox	19
Scattering	44	Conjunctivitis (suppurative)	5
		Diphtheria	99
INDIANA.		Dysentery	3
Cerebrospinal meningitis—Elkhart County	1	German measles	1
Diphtheria	41	Influenza	6
Scarlet fever	44	Malaria	1
Smallpox	45	Measles	49
Typhoid fever	17	Mumps	21
		Ophthalmia neonatorum	23
IOWA.		Pneumonia (lotar)	28
Diphtheria	22	Poliomyelitis	63
Mumps	1	Scarlet fever	66
Poliomyelitis:		Tuberculosis (all forms)	213
Dubuque	1	Typhoid fever	45
Mason City	1	Whooping cough	132
Pleasant Valley	1		
Scarlet fever	32	MINNESOTA.	
Smallpox	17	Poliomyelitis	3
Whooping cough	4	Smallpox (new foci):	
		Freeborn County—	
LOUISIANA.		Bancroft Township	1
Malaria	210	Mille Lacs County—	
Pneumonia	7	Borgholm Township	1
Scarlet fever	2	Norman County—	
Smallpox	5	Halstad	1
Tuberculosis	43		
Typhoid fever	17	MISSISSIPPI.	
		Diphtheria	50
MAINE.		Scarlet fever	17
Cerebrospinal meningitis	1	Smallpox	6
Diphtheria	11	Typhoid fever	11
Influenza	1		
Lethargic encephalitis	1	MONTANA.	
Measles	23	Diphtheria	6
Mumps	1	Scarlet fever	8
		Smallpox	6
		Typhoid fever	19

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

NEBRASKA.	
	Cases.
Cerebrospinal meningitis—Weeping Water.....	1
Chicken pox.....	4
Diphtheria:	
Omaha.....	16
Scattering.....	2
Lethargic encephalitis—Howells.....	1
Mumps.....	1
Poliomyelitis—Wayne County.....	1
Scarlet fever.....	3
Smallpox.....	20
Typhoid fever:	
Omaha.....	11
Scattering.....	2
Whooping cough.....	5
NEW JERSEY.	
Influenza.....	4
Pneumonia.....	27
NEW MEXICO.	
Diphtheria.....	7
Dysentery.....	3
German measles.....	1
Influenza.....	2
Measles.....	10
Paratyphoid fever.....	1
Pellagra.....	1
Pneumonia.....	4
Scarlet fever.....	4
Septic sore throat.....	1
Smallpox.....	3
Tuberculosis.....	97
Typhoid fever:	
Santa Fe.....	6
Scattering.....	11
Whooping cough.....	7
NEW YORK.	
(Exclusive of New York City.)	
Cerebrospinal meningitis:	
Albany.....	1
Lackawanna.....	1
Diphtheria.....	135
Lethargic encephalitis.....	1
Measles.....	99
Pneumonia.....	79
Poliomyelitis:	
Floral Park.....	1
Pittstown.....	1
Utica.....	1
Scarlet fever.....	78
Smallpox.....	2
Tetanus.....	2
Typhoid fever.....	78
Whooping cough.....	202
OHIO.	
Typhoid fever—Piqua.....	31
SOUTH DAKOTA.	
Anthrax.....	1
Chicken pox.....	4
Diphtheria.....	14
Measles.....	1
Poliomyelitis.....	1
Scarlet fever.....	3
Smallpox.....	10
Tuberculosis.....	1
Typhoid fever.....	1

TEXAS.	
	Cases.
Diphtheria:	
Corsicana.....	16
Dallas.....	14
Fort Worth.....	10
Dysentery.....	2
Malaria:	
Corsicana.....	12
Dallas.....	22
Cooledge.....	13
Measles.....	4
Mumps.....	1
Pneumonia.....	2
Scarlet fever.....	2
Smallpox.....	6
Tuberculosis.....	9
Typhoid fever.....	5
Whooping cough.....	19
VERMONT.	
Chicken pox.....	7
Diphtheria.....	3
Measles.....	2
Mumps.....	6
Poliomyelitis.....	1
Scarlet fever.....	6
Typhoid fever.....	3
Whooping cough.....	19
WASHINGTON.	
Chicken pox.....	8
Diphtheria.....	19
Measles.....	3
Scarlet fever.....	24
Smallpox.....	28
Typhoid fever.....	22
Whooping cough.....	5
WEST VIRGINIA.	
Diphtheria:	
Hinton.....	7
Wheeling.....	7
Scattering.....	11
Measles.....	1
Scarlet fever.....	13
Smallpox.....	7
Typhoid fever.....	9
WISCONSIN.	
Milwaukee:	
Chicken pox.....	4
Diphtheria.....	20
Measles.....	5
Rubella.....	1
Scarlet fever.....	13
Smallpox.....	5
Tuberculosis.....	12
Whooping cough.....	30
Scattering:	
Chicken pox.....	8
Diphtheria.....	26
Influenza.....	8
Measles.....	29
Poliomyelitis.....	2
Scarlet fever.....	52
Smallpox.....	54
Tuberculosis.....	17
Typhoid fever.....	5
Whooping cough.....	69

**Kentucky Report for Week Ended September 18, 1920.**

Cases.		Cases.	
Chicken pox.....	5	Pneumonia.....	3
Cholera infantum.....	1	Scarlet fever.....	
Diphtheria:		Garrard County.....	11
Jefferson County.....	12	Scattering.....	24
Scattering.....	30	Septic sore throat.....	1
Dysentery.....	6	Smallpox.....	11
Influenza.....	5	Tetanus.....	1
Malaria.....	3	Tonsillitis.....	6
Measles.....	3	Trachoma.....	5
Mumps.....	1	Tuberculosis.....	17
Paratyphoid fever.....	3	Typhoid fever.....	70
Pellagra.....	1	Whooping cough.....	9

**SUMMARY OF CASES REPORTED MONTHLY BY STATES.**

Tables showing by counties the reported cases of cerebrospinal meningitis, influenza, 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	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1920.										
Alabama (August).....		65		132	6	3		32	19	203
Arkansas (August).....		54	38	1,386	61	60		42	16	157
Hawaii (August).....		3	3		46			1		17
Idaho (August).....	5	15			64			4	82	22
Illinois (August).....	11	522	100	198	386	1	42	254	189	193
Iowa (August).....		60						76	108	
Louisiana (August).....	4	28		580	26	10		22	32	191
Maryland (August).....	4	72	13	26	66			62	7	130
Michigan (August).....		552			301		3	374	185	161
Minnesota (August).....	2	272			88		7	113	221	79
Mississippi (August).....		184	277	18,372	67	739	4	131	70	523
New Mexico (August).....		37		18	4			8	3	26
New York (August).....	33	974	19		1,190		14	383	21	391
North Carolina (August).....	2	177			107		1	83	83	426
North Dakota (August).....		45			43		5	41	14	24
Ohio (July).....	16	266	5	17	761		5	458	300	190
Pennsylvania (August).....	9	635		5	776	2	17	439	26	130
Rhode Island (August).....	1	45	1	7	30		1	16		9
South Carolina (August).....	2	87	4	166	26	9		5	35	108
South Dakota (August).....		49			47		2	52	35	10
Virginia (August).....	11	125		691	133	25	4	76	123	353
Washington (August).....	1	73			44			32	178	75

**RECIPROCAL NOTIFICATION.**

**Minnesota—August, 1920.**

*Cases of communicable diseases referred during August, 1920, to other State health departments by department of health of the State of Minnesota.*

Disease and locality of notification.	Referred to health authority of—	Why referred.
Tuberculosis: Minneapolis, Hennepin County.	Maudlow, Gallatin County, Mont.	A specimen of the sputum examined by the Minnesota board of health showed tubercle bacilli.
Mayo Clinic, Rochester, Olmsted County.	Anderson, Madison County, Ind..	Patient, an advanced case of tuberculosis, left Mayo Clinic in June for his home in Anderson, Ind.
Anthrax: Colonial Hospital, Rochester, Olmsted County.	Erwin, Kingsbury County, S. Dak.	Skinned cow infected with anthrax in Erwin, S. Dak.

**ACTINOMYCOSIS.**

Illinois—August, 1920.

During the month of August, 1920, one case of actinomycosis was reported in Illinois.

**ANTHRAX.**

Illinois, Louisiana, Massachusetts, Minnesota, Mississippi, Montana, and New York.

During the month of August, 1920, there were reported two cases of anthrax in Illinois, two in Louisiana, one in Minnesota, three in Mississippi, and five in New York. During the week ended September 11, 1920, one case was reported at Lowell, Mass., and one death was reported at Butte, Mont.

**CEREBROSPINAL MENINGITIS.**

State Reports for July and August, 1920.

Place.	New cases reported.	Place.	New cases reported.
<b>Idaho (August):</b>		<b>New York (August):</b>	
Power County—		Albany County—	
Rockland.....	5	Coboes.....	2
<b>Illinois (August):</b>		Fulton County—	
Bureau County—		Gloversville.....	1
Spring Valley.....	1	New York.....	24
Clinton County—		Ontario County—	
Trenton.....	1	Geneva.....	1
Cook County—		Orange County—	
Chicago.....	1	Port Jervis.....	1
Harvey.....	1	Seneca County—	
Jackson County—		Junius (town).....	1
Levan Township.....	1	Westchester County—	
Macoupin County—		Mount Vernon.....	1
Gillespie.....	1	Port Chester.....	1
Mason County—		Rye.....	1
Kilbourne.....	3	<b>Total.....</b>	<b>33</b>
Shelby County—		<b>North Carolina (August):</b>	
Moweaqua.....	1	Forsyth County—	
Winnebago County—		Winston-Salem.....	1
Rockford.....	1	Alamance County—	
<b>Total.....</b>	<b>11</b>	Graham.....	1
<b>Louisiana (August):</b>		<b>Total.....</b>	<b>2</b>
Allen Parish.....	1	<b>Ohio (July):</b>	
Orleans Parish.....	2	Athens County.....	1
Ouachita Parish.....	1	Cuyahoga County.....	3
<b>Total.....</b>	<b>4</b>	Franklin County.....	2
<b>Maryland (August):</b>		Hancock County.....	1
Baltimore.....	3	Lake County.....	1
Allegheny County—		Lorain County.....	2
Western Maryland Hospital.....	1	Hamilton County.....	1
<b>Total.....</b>	<b>4</b>	Summit County.....	1
<b>Minnesota (August):</b>		Trumbull County.....	1
Brown County—		Wayne County.....	2
Stately Township.....	1	Wood County.....	1
Ottertail County—		<b>Total.....</b>	<b>16</b>
Eastern Township.....	1	<b>Pennsylvania (August):</b>	
<b>Total.....</b>	<b>2</b>	Armstrong County.....	1
		Cambria County.....	1
		Center County.....	1

## CEREBROSPINAL MENINGITIS—Continued.

## State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Pennsylvania (August)—Continued.</b>		<b>Virginia (August):</b>	
Dauphin County.....	1	Alleghany County.....	1
Lancaster County.....	1	Covington.....	1
Mercer County.....	1	Amherst County.....	1
Philadelphia County.....	2	Culpeper County.....	1
Venango County.....	1	Henry County.....	1
Total.....	9	Loudoun County.....	3
<b>Rhode Island (August):</b>		Smyth County—	
Providence County—		Marion.....	1
Providence.....	1	Warren County—	
<b>South Carolina (August):</b>		Front Royal.....	1
Anderson County.....	1	Wythe County.....	1
Union County.....	1	Total.....	11
Total.....	2	<b>Washington (August):</b>	
		King County—	
		Seattle.....	1

## City Reports for Week Ended Sept. 11, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
California:				Missouri:			
San Bernardino.....			1	St. Louis.....	1	2	
Georgia:				New Jersey:	(1)	1	1
Atlanta.....	0	1	1	Elizabeth.....			
Illinois:				New York:			
Chicago.....	2	1		Lockport.....		1	
Danville.....	0		1	New York.....	5	2	5
Freeport.....			1	Ohio:			
Maryland:				Cincinnati.....	(1)	1	
Baltimore.....	0		2	Pennsylvania:			
Massachusetts:				Chester.....	(1)	1	
Boston.....	(1)	3	1	Pittsburgh.....	(1)	1	
Fall River.....	(1)	1	1	Rhode Island:			
Lynn.....	(1)	1		Providence.....	0	1	
Salem.....	0	1	1	Wisconsin:			
Somerville.....	0	1		Milwaukee.....	1	1	1
Michigan:							
Saginaw.....	0		1				

<sup>1</sup> Average less than 1.

## DENGUE FEVER.

## Alabama and Florida.

On September 11, 1920, an outbreak of fever, suspected of being dengue, was reported in Coffee County, Ala., and on September 22, dengue was reported in Coffee County and several other counties on the Florida line.

On September 24, dengue fever was reported to be prevalent in Key West, Fla.

## DIPHTHERIA.

See Telegraphic weekly reports from States, p. 2344; Monthly summaries by States, p. 2347; and Weekly reports from cities, p. 2376.

**INFLUENZA.**

**State Reports for July and August, 1920.**

Place.	New cases reported.	Place.	New cases reported.
<b>Arkansas (August):</b>		<b>Maryland (August):</b>	
Arkansas County.....	1	Baltimore.....	9
Cleveland County.....	8	Allegany County—	
Faulkner County.....	11	Cumberland.....	2
Independence County.....	1	Charles County—	
Miller County.....	2	Mount Victoria.....	1
Perry County.....	3	Frederick County—	
Scott County.....	1	Mount Pleasant, R. D.....	1
Sebastian County.....	11	<b>Total.....</b>	<b>13</b>
<b>Total.....</b>	<b>38</b>		
<b>Illinois (August):</b>		<b>Mississippi (August):</b>	
Bureau County—		Alcorn County.....	5
Bureau.....	4	Bolivar County.....	48
Clay County—		Carroll County.....	4
Louisville Township.....	4	Chickasaw County.....	5
Clinton County—		Clay County.....	2
Germantown.....	14	Hancock County.....	1
Cook County—		Harrison County.....	11
Chicago.....	7	Holmes County.....	46
Edgar County—		Itawamba County.....	2
Vermilion.....	2	Jefferson Davis County.....	14
Edwards County—		Jones County.....	2
Albion Township.....	1	Lafayette County.....	3
Franklin County—		Lawrence County.....	36
Frankfort Heights.....	5	Marshall County.....	15
Ziegler.....	19	Newton County.....	2
Henry County—		Panola County.....	19
Cambridge.....	2	Pearl River County.....	12
McHenry County—		Tippah County.....	4
Crystal Lake.....	4	Tishomingo County.....	23
McLean County—		Walthall County.....	8
Money Creek Township.....	1	Warren County.....	3
Mason County—		Webster County.....	10
San Jose.....	2	Yalobusha County.....	2
Ogle County—		<b>Total.....</b>	<b>277</b>
Rochelle.....	6		
Shelby County—		<b>Ohio (July):</b>	
Strasburg.....	1	Clinton County.....	2
Stark County—		Crawford County.....	1
La Fayette.....	2	Miami County.....	1
Winnebago County—		Washington County.....	1
Winnebago.....	4	<b>Total.....</b>	<b>5</b>
Cumberland County—			
Toledo.....	6		
Peoria County—			
Princeville.....	5		
<b>Total.....</b>	<b>100</b>		

**City Reports for Week Ended Sept. 11, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>California:</b>			<b>Michigan:</b>		
Los Angeles.....	2		Detroit.....	1	
Oakland.....	8		<b>Missouri:</b>		
Sacramento.....	2		Kansas City.....		1
<b>Illinois:</b>			<b>New Jersey:</b>		
Chicago.....	13		Trenton.....	2	
<b>Maine:</b>			<b>New York:</b>		
Biddeford.....	2		Jamestown.....	2	
<b>Maryland:</b>			New York.....	3	4
Baltimore.....	1		<b>Pennsylvania:</b>		
<b>Massachusetts:</b>			Philadelphia.....	1	1
Arlington.....	1		<b>West Virginia:</b>		
Boston.....	1		Bluefield.....	2	
Cambridge.....	1				
Fall River.....	1				
Greenfield.....	4	1			
Haverhill.....	1				
Quincy.....	1				
Westfield.....	1				

## LEPROSY.

## Silver City, N. Mex., and New Orleans, La.

During the month of August, 1920, one case of leprosy was reported at Silver City, N. Mex., in the person of P. P., Mexican, male, aged 45. The patient, who has lived in Silver City for 20 years, is now living in a tent and being cared for by the city.

During the week ended September 11 one case of leprosy was reported in New Orleans, La.

## LETHARGIC ENCEPHALITIS.

## Illinois, Maryland, and New York—August, 1920.

During the month of August, 1920, 2 cases of lethargic encephalitis were reported in Illinois, 6 in Maryland, and 27 in New York.

## MALARIA.

## State Reports for July and August, 1920.

Place.	New cases reported.	Place.	New cases reported.
Alabama (August):		Arkansas (August)—Continued.	
Bullock County.....	4	Jefferson County.....	21
Butler County.....	3	Lafayette County.....	15
Clark County.....	13	Lawrence County.....	3
Clay County.....	2	Lee County.....	95
Colbert County.....	1	Lincoln County.....	1
Crenshaw County.....	19	Logan County.....	38
Etawah County.....	6	Lonoke County.....	2
Geneva County.....	1	Miller County.....	14
Hale County.....	3	Mississippi County.....	35
Houston County.....	7	Monroe County.....	28
Jefferson County.....	6	Ouachita County.....	80
Lauderdale County.....	4	Perry County.....	9
Lee County.....	5	Pike County.....	27
Lowndes County.....	9	Pope County.....	1
Marengo County.....	17	Prairie County.....	2
Marion County.....	4	Pulaski County.....	39
Marshall County.....	1	Saline County.....	34
Mobile County.....	1	Scott County.....	7
Monroe County.....	1	Sebastian County.....	27
Montgomery County.....	3	Sevier County.....	70
Sumter County.....	7	Sharp County.....	15
Talladega County.....	2	St. Francis County.....	42
Tallahassee County.....	1	Union County.....	141
Walker County.....	5	Van Buren County.....	5
Washington County.....	3	Washington County.....	6
Wilcox County.....	4	White.....	30
Total.....	132	Woodruff.....	22
		Total.....	1,386
Arkansas (August):		Illinois (August):	
Arkansas County.....	14	Adams County—	
Ashley County.....	200	Loraine.....	6
Bradley County.....	51	Alexander County—	
Calhoun County.....	14	Thebes.....	3
Clark County.....	7	Bond County—	
Cleveland County.....	50	Panama.....	2
Conway County.....	6	Mulberry Grove.....	1
Craighead County.....	1	Bureau County—	
Drew County.....	40	Bureau.....	4
Faulkner County.....	39	Spring Valley.....	1
Franklin County.....	15	Clay County—	
Garland County.....	2	Louisville Township.....	8
Greene County.....	20	Clinton County—	
Hempstead County.....	55	Germantown.....	29
Hot Spring County.....	3	Cook County—	
Independence County.....	16	Chicago.....	2
Izard County.....	15		
Jackson County.....	29		

MALARIA—Continued.

State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Illinois (August)—Continued.</b>		<b>Louisiana (August)—Continued.</b>	
Cumberland County—		Iberville Parish	2
Toledo	2	Jackson Parish	6
Fayette County—		Jefferson Davis Parish	2
Brownstown	3	Lafayette Parish	2
Franklin County—		Lafourche Parish	3
Orient	5	La Salle Parish	6
Easton Township	1	Livingston Parish	6
Royalton	3	Morehouse Parish	60
Gallatin County—		Natchitoches Parish	78
Shawneetown	10	Orleans Parish	5
Hardin County—		Ousachita Parish	40
Elizabethtown	10	Plaquemines Parish	6
Jackson County—		Pointe Coupee Parish	1
Ava	2	Rapides Parish	50
De Soto Township	6	Red River Parish	9
Jasper County—		Richland Parish	1
Rose Hill	2	Sabine Parish	2
Johnson County—		St. John Parish	1
Vienna	6	St. Landry Parish	25
McLean County—		St. Martin Parish	17
Colfax	4	St. Mary Parish	19
Madison County—		St. Tammany Parish	16
New Douglas	2	Tangipahoa Parish	3
Marshall County—		Terrebonne Parish	3
Sparland	3	Union Parish	5
Steuben Township	5	Vernon Parish	9
Massac County—		Vermilion Parish	2
Metropolis	2	West Baton Rouge Parish	1
Mercer County—			
Seaton	6	<b>Total</b>	<b>590</b>
Abington	6		
Pike County—		<b>Maryland (August):</b>	
Kinderhook	1	Baltimore	1
Pulaski County—		Charles County—	
Pulaski	12	Poplar Creek	1
Putnam County—		Chapel Point	2
Hennepin Township	4	Dorchester County—	
Randolph County—		Cambridge, R. D.	1
Redbud	1	Taylors Island	1
Sangamon County—		Griffins Neck	1
Illipolis	2	Elliotts Island	1
Union County—		Kent County—	
Union Precinct	20	Fairlee, R. D.	1
Vermilion County—		St. Mary's County—	
Fairmount	1	Jarboesville	1
Wabash County—		Somerset County—	
Belmont	2	Fairmount	1
Keensburg	5	Washington County—	
Whiteside County—		Hagerstown	1
Albany	7	Wicomico County—	
Williamson County—		Salisbury	9
Cambria	1	Salisbury, R. D.	1
Creek Springs	2	Siloan, R. D.	1
Hurst	4	Worcester County—	
State institutions—		Pocomoke City, R. D.	2
Alton State Hospital	1	Pocomoke City	1
Soldiers' Widows' Home	1		
<b>Total</b>	<b>198</b>	<b>Total</b>	<b>26</b>
<b>Louisiana (August):</b>		<b>Mississippi (August):</b>	
Allen Parish	2	Adams County	93
Ascension Parish	1	Alcorn County	80
Assumption Parish	6	Amite County	131
Avoyelles Parish	27	Attala County	179
Caddo Parish	2	Benton County	25
Calcasieu Parish	5	Bolivar County	2,757
Caldwell Parish	2	Calhoun County	79
Catahoula Parish	1	Carroll County	274
Claiborne Parish	1	Chickasaw County	124
Concordia Parish	5	Choctaw County	56
De Soto Parish	91	Claiborne County	136
East Carroll Parish	29	Clarke County	80
East Feliciana Parish	2	Clay County	123
Evangeliste Parish	6	Copiah County	229
Grant Parish	26	Covington County	75
Iberia Parish	4	De Soto County	124
		Forrest County	79



## MALARIA—Continued.

## State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Mississippi (August)—Continued.</b>		<b>Ohio (July)—Continued.</b>	
Franklin County.....	107	Darke County.....	1
George County.....	38	Fayette County.....	1
Greene County.....	210	Fulton County.....	2
Grenada County.....	90	Gallia County.....	2
Hancock County.....	159	Summit County.....	3
Harrison County.....	42	Wyandot County.....	4
Hinds County.....	445	Total.....	17
Holmes County.....	622	<b>Pennsylvania (August):</b>	
Humphreys County.....	450	Philadelphia County.....	3
Issaquena County.....	166	York County.....	2
Itawamba County.....	54	Total.....	5
Jackson County.....	53	<b>Rhode Island (August):</b>	
Jasper County.....	63	Kent County—	
Jefferson County.....	147	Coventry (town).....	5
Jefferson Davis County.....	70	Providence County—	
Jones County.....	181	Providence.....	2
Kemper County.....	112	Total.....	7
Lafayette County.....	191	<b>South Carolina (August):</b>	
Lamar County.....	72	Barnwell County.....	8
Lauderdale County.....	90	Calhoun County.....	7
Lawrence County.....	139	Chesterfield County.....	12
Leake County.....	146	Clarendon County.....	28
Lee County.....	427	Darlington County.....	10
Leflore County.....	267	Fairfield County.....	24
Lincoln County.....	137	Greenville County.....	1
Lowndes County.....	168	Lee County.....	20
Madison County.....	63	Marion County.....	48
Marion County.....	102	Marlboro County.....	2
Marshall County.....	115	Newberry County.....	1
Monroe County.....	342	Orangeburg County.....	21
Montgomery County.....	101	Union County.....	14
Neshoba County.....	100	Total.....	196
Newton County.....	38	<b>Virginia (August):</b>	
Novumbee County.....	110	Accomac County.....	12
Oktibbeha County.....	160	Chincoteague.....	6
Panola County.....	262	Jamesville.....	1
Pearl River County.....	93	Parkley.....	2
Perry County.....	5	Tangier.....	1
Pike County.....	48	Albemarle County.....	1
Pontotoc County.....	270	Amelia County.....	1
Prentiss County.....	121	Buckingham County.....	3
Quitman County.....	380	Arvonia.....	2
Raukin County.....	55	Caroline County.....	5
Scott County.....	185	Charles City County.....	4
Sharkey County.....	223	Charlotte County.....	2
Simpson County.....	78	Keyesville.....	4
Smith County.....	69	Chesterfield County.....	3
Stone County.....	35	Winterpeck.....	6
Sunflower County.....	1,779	Cumberland County.....	5
Tallahatchie County.....	735	Elizabeth City County.....	2
Tate County.....	341	Hampton.....	6
Tippah County.....	91	Essex County.....	3
Tishomingo County.....	134	<b>Franklin County—</b>	
Tunica County.....	601	Rocky Gap.....	1
Union County.....	111	Goochland County.....	3
Walthall County.....	22	Greensville County.....	34
Warren County.....	390	Emporia.....	15
Washington County.....	586	Halifax County.....	18
Wayne County.....	121	South Boston.....	12
Webster County.....	155	Hanover County.....	33
Wilkinson County.....	204	Henrico County.....	15
Yalobusha County.....	132	Henry County.....	1
Yazoo County.....	685	Isle of Wight County.....	22
Total.....	18,372	James City County.....	5
<b>New Mexico (August):</b>		Williamsburg.....	7
Rio Arriba County.....	17	King and Queen County.....	8
Santa Fe County.....	1	King George County.....	3
Total.....	18	Lancaster County.....	6
<b>Ohio (July):</b>		Irvington.....	3
Adams County.....	1		
Ashtabula County.....	1		
Athens County.....	1		
Crawford County.....	1		

**MALARIA—Continued.**

**State Reports for July and August, 1920—Continued.**

Place.	New cases reported.	Place.	New cases reported.
Virginia (August)—Continued.		Virginia (August)—Continued.	
Loudoun County.....	8	Prince George County—	
Louisa County.....	3	Hopewell.....	3
Lunenburg County.....	5	Prince William County.....	1
Victoria.....	2	Richmond County.....	3
Mathews County.....	1	Rockbridge County.....	5
Mecklenburg County.....	5	Southampton County.....	25
Chase City.....	15	Droevyville.....	3
Middlesex County.....	21	Franklin.....	15
Nansemond County.....	2	Newsome.....	6
Suffolk.....	20	Spotsylvania County.....	9
New Kent County.....	14	Stafford County.....	4
Norfolk County—		Falmouth.....	4
Norfolk.....	2	Surry County.....	25
Northampton County.....	37	Sussex County.....	18
Cape Charles.....	21	Wakefield.....	2
Northumberland County.....	26	Stony Creek.....	8
Nottoway County—		Waverly.....	25
Blackstone.....	1	Wise County—	
Orange County.....	2	Appalachia.....	1
Pittsylvania County.....	13	York County.....	18
Chatham.....	2		
Powhatan County.....	15	Total.....	691
Princess Anne County.....	45		
Virginia Beach.....	1		

**City Reports for Week Ended Sept. 11, 1920.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Arkansas:			Maryland:		
Little Rock.....	8		Baltimore.....	1	
North Little Rock.....	1		Massachusetts:		
California:			Boston.....	1	
Long Beach.....	1		Missouri:		
Sacramento.....	1		Kansas City.....	1	1
Connecticut:			North Carolina:		
Greenwich.....	1		Wilmington.....	2	
Georgia:			Oregon:		
Brunswick.....	21		Portland.....	1	
Macon.....		1	South Carolina:		
Rome.....	3		Charleston.....		2
Savannah.....		5	Texas:		
Kansas:			Dallas.....	28	
Topeka.....	1		Waco.....		1
Louisiana:			Virginia:		
Alexandria.....	15		Portsmouth.....	2	
New Orleans.....	2				

**- MALTA FEVER.**

**New Mexico—August, 1920.**

During August, 1920, two cases of Malta fever were reported in New Mexico.

**MEASLES.**

See Telegraphic weekly reports from States, p. 2344; Monthly summaries by States, p. 2347; and Weekly reports from cities, p. 2376.

## PELLAGRA.

## State Reports for August, 1920.

Place.	New cases reported.	Place.	New cases reported.
<b>Alabama:</b>		<b>Mississippi—Continued</b>	
Bullock County.....	1	Lee County.....	6
Butler County.....	1	LeFlore County.....	3
Crenshaw County.....	1	Lincoln County.....	13
<b>Total.....</b>	<b>3</b>	Lowndes County.....	3
<b>Arkansas:</b>		Madison County.....	14
Ashley County.....	6	Marion County.....	1
Bradley County.....	1	Marshall County.....	11
Clark County.....	2	Monroe County.....	8
Crittenden County.....	1	Montgomery County.....	4
Faulkner County.....	1	Noxubee County.....	4
Hempstead County.....	1	Oktibbeha County.....	1
Hot Spring County.....	1	Panola County.....	9
Jackson County.....	1	Pearl River County.....	3
Lee County.....	19	Pike County.....	1
Logan County.....	3	Pontotoc County.....	4
Miller County.....	2	Prentiss County.....	1
Mississippi County.....	9	Quitman County.....	27
Monroe County.....	1	Scott County.....	1
Ouachita County.....	3	Sharkey County.....	14
Saline County.....	2	Simpson County.....	4
Sharp County.....	6	Stone County.....	2
Woodruff County.....	1	Sunflower County.....	112
<b>Total.....</b>	<b>60</b>	Tallahatchie County.....	21
<b>Illinois:</b>		Tate County.....	5
State institutions—		Tippah County.....	5
Alton State Hospital.....	1	Tishomingo County.....	10
<b>Louisiana:</b>		Tunica County.....	26
East Carroll Parish.....	4	Union County.....	2
East Feliciana Parish.....	2	Warren County.....	3
Orleans Parish.....	3	Washington County.....	39
Rapides Parish.....	1	Webster County.....	3
<b>Total.....</b>	<b>10</b>	Wilkinson County.....	1
<b>Mississippi:</b>		Yalobusha County.....	2
Adams County.....	5	Yazoo County.....	35
Alcorn County.....	5	<b>Total.....</b>	<b>739</b>
Amite County.....	5	<b>Pennsylvania:</b>	
Bolivar County.....	136	Allegheny County.....	1
Calhoun County.....	1	Philadelphia County.....	1
Carroll County.....	4	<b>Total.....</b>	<b>2</b>
Chickasaw County.....	9	<b>South Carolina:</b>	
Claiborne County.....	1	Calhoun County.....	1
Clay County.....	6	Clarendon County.....	1
Copiah County.....	7	Darlington County.....	1
Corington County.....	1	Fairfield County.....	1
De Soto County.....	5	Marion County.....	4
Forest County.....	9	Spartanburg County.....	1
Franklin County.....	2	<b>Total.....</b>	<b>9</b>
George County.....	2	<b>Virginia:</b>	
Greene County.....	4	Amelia County.....	2
Grenada County.....	2	Brunswick County.....	1
Hinds County.....	31	Elizabeth City County.....	1
Holmes County.....	30	Greensville County.....	1
Humphreys County.....	16	Henrico County.....	1
Issaquena County.....	2	Henry County.....	2
Itawamba County.....	3	Martinsville.....	2
Jackson County.....	1	Scott County.....	1
Jasper County.....	5	Mecklenburg County.....	2
Jefferson County.....	1	Patrick County.....	3
Jefferson Davis County.....	3	Pittsylvania County.....	6
Jones County.....	15	Russell County.....	1
Kemper County.....	7	Washington County.....	2
La Fayette County.....	2	<b>Total.....</b>	<b>25</b>
Lawrence County.....	13		
Leake County.....	3		

PELLAGRA—Continued.

City Reports for Week Ended Sept. 11, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Maryland:		
Mobile.....		1	Baltimore.....		1
Arkansas:			North Carolina:		
Little Rock.....	1		Greensboro.....		1
Georgia:			Tennessee:		
Atlanta.....		1	Nashville.....	1	
Brunswick.....	1				
Macon.....		1			

PLAGUE.

Human Cases of Plague Reported.

Place.	Period covered.	Cases.	Deaths.	Remarks.
Florida:	1920.			
Pensacola.....	May 31 to Aug. 31.....	10	4	
	Sept. 1 to 25.....	0	0	
Louisiana:	1919.			
New Orleans.....	Oct. 22 to Dec. 31.....	12	4	
	1920.			
	Jan. 1 to Apr. 30.....	0	0	
	May 1 to Aug. 31.....	7	3	
	Sept. 1 to 25.....	0	0	
Texas:				
Beaumont.....	June 19 to Aug. 20.....	14	5	
	Aug. 21 to Sept. 25.....	0	0	
Galveston.....	June 8 to Sept. 7.....	11	8	
	Sept. 8 to 27.....	0	0	
	Sept. 28.....	1	0	
Port Arthur.....	July 7.....	1	1	From Galveston.

Plague-Infected Rodents.

Place.	Period covered.	Rodents found plague infected.
Florida:	1920.	
Pensacola.....	June 28 to Sept. 19.....	31
	Sept. 20 to 27.....	0
Louisiana:	1919.	
New Orleans.....	Nov. 1 to Dec. 31.....	276
	1920.	
	Jan. 1 to July 31.....	285
	Aug. 1 to Sept. 11.....	0
	Sept. 12 to 18.....	1
	Sept. 19 to 25.....	1
Texas:		
Beaumont.....	July 1 to Sept. 19.....	122
	Sept. 20 to 27.....	0
Galveston.....	June 11 to Sept. 17.....	56
	Sept. 18 to 27.....	0

## PLAGUE—Continued.

## Rodents Examined for Plague Infection.

Place.	Period covered.	Rodents examined.	Found infected.
Hawaii:			
Honolulu—			
1920.			
Mus norvegicus.....	Week ended Aug. 28.....	64	0
Mus rattus.....	do.....	55	0
Mus alexandrinus.....	do.....	90	0
Mus musculus.....	do.....	121	0
Mongoose.....	do.....	1	0
Week ended Sept. 4.....			
Mus norvegicus.....	do.....	83	0
Mus rattus.....	do.....	45	0
Mus alexandrinus.....	do.....	76	0
Mus musculus.....	do.....	94	0
Mongoose.....	do.....	3	0

## PNEUMONIA (ALL FORMS).

## City Reports for Week Ended Sept. 11, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alabama:			Massachusetts:		
Birmingham.....		2	Arlington.....	1	1
Montgomery.....	1	2	Boston.....	7	9
Arkansas:			Cambridge.....	2	
Little Rock.....	1		Chelsea.....	1	
North Little Rock.....	1		Easthampton.....	1	1
California:			Everett.....	1	
Alameda.....	1		Haverhill.....	2	
Los Angeles.....	8	7	Holyoke.....		1
Oakland.....		2	Lowell.....		2
Sacramento.....	2		Lynn.....	2	1
San Diego.....	1	1	Newton.....		1
San Francisco.....	9	5	Winchester.....		1
Stockton.....		2	Worcester.....	3	6
Colorado:			Michigan:		
Denver.....		5	Ann Arbor.....	4	4
Connecticut:			Detroit.....	12	8
Bridgeport.....		2	Flint.....		1
Hartford.....	2		Kalamazoo.....	2	
New Britain.....		1	Marquette.....	1	
New Haven.....		2	Pontiac.....	1	
Delaware:			Port Huron.....	1	
Wilmington.....		3	Saginaw.....	1	
District of Columbia:			Minnesota:		
Washington.....		5	Minneapolis.....		1
Georgia:			St. Paul.....		3
Atlanta.....	1	9	Missouri:		
Illinois:			Kansas City.....	2	5
Chicago.....	47	10	St. Joseph.....		1
Danville.....		1	Montana:		
East St. Louis.....		2	Billings.....	1	1
La Salle.....		1	Butte.....		1
Peoria.....		2	Missoula.....		1
Springfield.....		1	Nebraska:		
Indiana:			Lincoln.....		1
East Chicago.....		1	Omaha.....		2
Elkhart.....	1	1	New Jersey:		
Fort Wayne.....		2	Atlantic City.....	1	
Indianapolis.....		5	East Orange.....	1	1
La Fayette.....		1	Hoboken.....		1
Kokomo.....		1	Jersey City.....	1	
Kentucky:			Kearny.....		1
Covington.....	1	1	Newark.....	17	3
Lexington.....		1	Orange.....	1	
Louisiana:			Passaic.....		1
New Orleans.....		3	Phillipsburg.....	1	1
Maine:			Trenton.....	2	2
Portland.....		2	New York:		
Maryland:			Albany.....	3	
Baltimore.....	23	11	Auburn.....	1	

**PNEUMONIA (ALL FORMS)—Continued.**

**City Reports for Week Ended Sept. 11, 1920—Continued.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>New York—Continued.</b>			<b>Ohio—Continued.</b>		
Binghamton.....	3	.....	Toledo.....	.....	1
Buffalo.....	6	1	Zanesville.....	1	1
Elmira.....	1	.....	<b>Oregon:</b>		
Lackawanna.....	1	.....	Portland.....	.....	1
New York.....	43	55	<b>Pennsylvania:</b>		
Niagara Falls.....	.....	1	Philadelphia.....	25	15
Poughkeepsie.....	1	.....	<b>Tennessee:</b>		
Rochester.....	1	1	Nashville.....	.....	1
Saratoga Springs.....	1	.....	<b>Texas:</b>		
Syracuse.....	5	4	Dallas.....	2	2
Yonkers.....	2	2	El Paso.....	.....	1
<b>North Carolina:</b>			Waco.....	.....	1
Winston-Salem.....	.....	2	<b>Vermont:</b>		
<b>North Dakota:</b>			Burlington.....	.....	1
Fargo.....	.....	1	<b>Virginia:</b>		
<b>Ohio:</b>			Norfolk.....	1	.....
Akron.....	1	.....	Portsmouth.....	1	2
Ashtabula.....	1	.....	Richmond.....	.....	3
Canton.....	.....	1	<b>West Virginia:</b>		
Cincinnati.....	1	2	Huntington.....	.....	1
Cleveland.....	7	13	Wheeling.....	.....	1
Dayton.....	2	.....	<b>Wisconsin:</b>		
Lorain.....	1	1	Milwaukee.....	.....	1
Springfield.....	.....	1			

**POLIOMYELITIS (INFANTILE PARALYSIS).**

**State Reports for July and August, 1920.**

Place.	New cases reported.	Place.	New case reported.
<b>Illinois (August):</b>		<b>Minnesota (August):</b>	
Bond County—	.....	Blue Earth County—	.....
Mulberry Grove.....	1	Butternut Valley Township.....	1
Cass County—	.....	Crow Wing County—	.....
Chandlerville.....	1	Crosby.....	1
Clinton County—	.....	Trommald.....	1
Trenton.....	1	Houston County—	.....
Cook County—	.....	Caledonia.....	1
Brookfield.....	1	Kandiyohi County—	.....
Evanston.....	1	Willmar.....	1
Oak Park.....	1	Lyon County—	.....
Chicago.....	29	Tracy.....	1
DuPage County—	.....	Martin County—	.....
Addison Township.....	1	Truman.....	1
Jackson County—	.....	Total.....	7
Murphysboro.....	1	<b>Mississippi (August):</b>	
La Salle County—	.....	Carroll County.....	1
Miller Township.....	1	Holmes County.....	1
Peru.....	1	Lee County.....	1
Adams Township.....	1	Noxubec County.....	1
Washington County—	.....	Total.....	4
Nashville Township.....	1	<b>New York (August):</b>	
Bolo Township.....	1	Dutchess County—	.....
Total.....	42	Millerton.....	1
<b>Maryland (August):</b>		Erie County—	.....
Baltimore.....	2	Buffalo.....	1
Baltimore County—	.....	Jefferson County—	.....
Baldwin.....	1	Watertown.....	1
Montgomery County—	.....	New York.....	8
Derwood, R. D.....	1	Niagara County—	.....
Washington County—	.....	Niagara Falls.....	1
Williamsport.....	1	Tompkins County—	.....
Hagerstown.....	1	Groton.....	1
Total.....	6	Wyoming County—	.....
<b>Michigan (August):</b>		Attica.....	1
Clinton County.....	1	Total.....	14
Genesee County.....	2		
Total.....	3		

## POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

## State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
North Carolina (August):		Pennsylvania (August)—Continued.	
Alamance County—		Washington County.....	4
Graham.....	1	Westmoreland County.....	2
Ohio (July):		Total.....	17
Cuyahoga County.....	2	Rhode Island (August):	
Hamilton County.....	1	Providence County—	
Logan County.....	1	Cranston.....	1
Washington County.....	1	South Dakota (August):	
Total.....	5	Beadle County.....	2
Pennsylvania (August):		Virginia (August):	
Allegheny County.....	1	Fluvanna County.....	1
Bucks County.....	1	Henrico County.....	1
Butler County.....	2	Isle of Wight County.....	2
Erie County.....	1	Total.....	4
Lawrence County.....	2		
Northampton County.....	1		
Perry County.....	1		
Philadelphia County.....	2		

## City Reports for Week Ended Sept. 11, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
California:				Michigan:			
Pasadena.....	9	1		Port Huron.....		1	
Illinois:				Minnesota:			
Chicago.....	12	3		St. Paul.....	2	1	
Maryland:				New Jersey:			
Baltimore.....	4	1		Newark.....	11	2	
Massachusetts:				New York:			
Beverly.....	0	1	1	New York.....	2	5	
Boston.....	1	23	3	Ohio:			
Brockton.....	0	1		Cleveland.....	3	2	
Brookline.....	( <sup>2</sup> )	2		Toledo.....	3	1	
Chelsea.....	( <sup>2</sup> )	1		Pennsylvania:			
Everett.....	0	1		Duquesne.....			
Fall River.....	( <sup>2</sup> )	1		Monessen.....		3	
Lowell.....	( <sup>2</sup> )	1		Pittsburgh.....	2	1	
Lynn.....	( <sup>2</sup> )	5	2	Rhode Island:			
Malden.....	0	1		Cranston.....		1	
Medford.....	( <sup>2</sup> )	1		Providence.....	2	1	
Newton.....	0	2					
Quincy.....	0	1					
Salem.....	0	1					
Waltham.....	0	5	1				

<sup>1</sup> Excluding 1916 and 1917, epidemic years.

<sup>2</sup> Excluding 1916, an epidemic year.

<sup>3</sup> Average less than 1.

## RABIES IN ANIMALS.

## Rochester, N. Y., and Spartanburg, S. C.

During the week ended September 11, 1920, one case of rabies in animals was reported at Rochester, N. Y., and one case was reported at Spartanburg, S. C.

**ROCKY MOUNTAIN SPOTTED OR TICK FEVER.**

**Missoula, Mont.—Week Ended September 11, 1920.**

During the week ended September 11, 1920, one death from Rocky Mountain spotted or tick fever was reported at Missoula, Mont.

**SCARLET FEVER.**

See Telegraphic weekly reports from States, p. 2344; Monthly summaries by States, p. 2347; and Weekly reports from cities, p. 2376.

**SMALLPOX.**

**State Reports for August, 1920—Vaccination Histories.**

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
<b>Maryland:</b>						
Baltimore.....	2				2	
Allegany County—						
Cumberland.....	1				1	
Garrett County—						
Crellin.....	2				2	
Crellin, R. D.....	1				1	
Howard County—						
Laurel, R. D.....	1				1	
Total.....	7				7	
<b>Minnesota:</b>						
Aitkin County—						
Hill City.....	5				4	1
Beltrami County—						
Bemidji.....	1				1	
Brown County—						
Mulligan Township..	1				1	
Carlton County—						
Kalavala Township..	1				1	
Silver Township.....	1				1	
Chippewa County—						
Clara City.....	3				2	1
Clay County—						
Moorhead.....	2				2	
Cottonwood County—						
Mountain Lake.....	1				1	
Dakota County—						
Inver Grove Township..	1					1
Empire Township.....	1				1	
Douglas County—						
Garfield.....	1				1	
Osakis Township.....	4				4	
Faribault County—						
Winnebago.....	1				1	
Freeborn County—						
Albert Lea.....	20			2	18	
Alden.....	3				3	
Hennepin County—						
Champlin Township....	1				1	
Minneapolis.....	56		3	3	25	25
Minnetonka Township..	4				4	
Houston County—						
Crooked Creek Township	1				1	
Itasca County—						
Grand Rapids.....	1			1		



## SMALLPOX—Continued.

## State Reports for August, 1920—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
<b>Minnesota—Continued.</b>						
Kandiyohi County—						
Dovre Township.....	1				1	
Mamre Township.....	1				1	
Willmar.....	1			1		
Lac qui Parle County—						
Madison.....	1				1	
Le Sueur County—						
Kasota.....	30				30	
McLeod County—						
Hutchinson Township.....	3				3	
Marshall County—						
Wright Township.....	1				1	
Martin County—						
Truman.....	1				1	
Mille Lacs County—						
Paige Township.....	1				1	
Nicollet County—						
Granby Township.....	1				1	
St. Peter.....	1				1	
Traverse Township.....	1				1	
Nobles County—						
Worthington.....	1				1	
Olmstead County—						
Rochester.....	3				3	
Ottertail County—						
Pelican Rapids.....	2				2	
Polk County—						
Climax.....	3				3	
Crookston.....	2				2	
Fisher.....	3				3	
Gully Township.....	1				1	
Pope County—						
Starbuck.....	1				1	
Ramsey County—						
St. Paul.....	24				24	
Renville County—						
Olivia.....	1				1	
Rice County—						
Faribault.....	1				1	
St. Louis County—						
Duluth.....	11			3	8	
Scott County—						
Belle Plaine.....	6				6	
Stearns County—						
St. Cloud.....	2				2	
Swift County—						
Murdock.....	1					1
Todd County—						
Iona Township.....	1				1	
Washington County—						
Stillwater.....	1				1	
Winona County—						
Winona.....	2				2	
Martin County—						
Rutland Township.....	1				1	
Anoka County—						
Centerville Township.....	2				2	
<b>Total.....</b>	<b>221</b>		<b>3</b>	<b>10</b>	<b>179</b>	<b>29</b>
<b>New Mexico:</b>						
Luna County.....	1		1			
Otero County.....	1				1	
Rio Arriba County.....	1					1
<b>Total.....</b>	<b>3</b>		<b>1</b>		<b>1</b>	<b>1</b>

SMALLPOX—Continued.

State Reports for August, 1920—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Vaccinated within 7 years preceding attack.	Last vaccinated more than 7 years preceding attack.	Never successfully vaccinated.	History not obtained or uncertain.
<b>New York:</b>						
Cattaraugus County—						
Yorkshire (town).....	1				1	
Chautauqua County—						
Stockton (town).....	1				1	
Southport (town).....	1				1	
Erle County—						
Buffalo.....	1				1	
Sardinia (town).....	3				3	
Tonawanda.....	1				1	
Franklin County—						
Fort Covington (town).....	1				1	
Malone.....	1					1
Brandon (town).....	1				1	
Herkimer County—						
Middleville.....	1			1		
New York.....	6					6
Niagara County—						
Niagara Falls.....	1				1	
Onondaga County—						
Syracuse.....	1			1		
Onondaga (town).....	1					1
<b>Total.....</b>	<b>21</b>			<b>2</b>	<b>11</b>	<b>8</b>

State Reports for July and August, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Alabama (August):</b>			<b>Idaho (August)—Continued.</b>		
Baldwin County.....	1		Lewis County—		
Dallas County.....	2		Nezperce.....	10	
Jefferson County.....	13		Nez Perce County—		
Madison County.....	1		Lapwai.....	1	
Mobile County.....	1		Payette County—		
Shelby County.....	1		Payette.....	1	
Total.....	19		Fruitland.....	1	
<b>Arkansas (August):</b>			Shoshone County—		
Franklin County.....	2		Wallace.....	5	
Garland County.....	3		Teton County.....	3	
Lawrence County.....	1		Washington County.....	2	
Mississippi County.....	2		Total.....	82	
Ouachita County.....	2		<b>Illinois (August):</b>		
Sharp County.....	4		Adams County—		
Washington County.....	2		Quincy.....	2	
Total.....	16		North East Township.....	1	
<b>Idaho (August):</b>			Brown County—		
Ada County—			Elkhorn Township.....	1	
Boise.....	3		Calhoun County—		
Kuna.....	1		Hamburg precinct.....	1	
Meridian.....	1		Crater precinct.....	1	
Bannock County—			Carlin precinct.....	1	
Downey.....	1		Christian County—		
Pocatello.....	1		Pana.....	1	
Elmore County—			Cook County—		
Mountain Home.....	4		Chicago.....	7	
Gooding County—			Oak Park.....	1	
Wendell.....	1		Winnetka.....	1	
Jerome County—			Crawford County—		
Jerome.....	1		Martin Township.....	1	
Kootenai County.....	18		Oblong.....	1	
Latah County.....	19		Neoga Township.....	1	
Moscow.....	9		Robinson.....	2	
			Dewitt County—		
			Clinton.....	1	

## SMALLPOX—Continued.

## State Reports for July and August, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Illinois (August)—Continued.</b>			<b>Illinois (August)—Continued.</b>		
Edgar County—			White County—		
Metcalf.....	1		Maunie.....	1	
Fayette County—			Will County—		
Vandalia.....	1		Joliet.....	1	
Franklin County—			Rockdale.....	1	
Frankfort Township..	5		Williamson County		
Browning Township..	2		Johnston City.....	2	
Gallatin County—			Blairsville Township..	3	
Shawnee Township...	6		Winnebago County—		
Shawneetown.....	4		Harlem.....	6	
Hancock County—			Rockford.....	1	
Augusta.....	2		<b>Total.....</b>	<b>189</b>	
Henderson County—					
Media.....	2		<b>Iowa (August):</b>		
Jackson County—			Adair County.....	1	
Degonia Township..	3		Adams County.....	1	
Grand Tower.....	8		Benton County.....	2	
Jo Daviess County—			Blackhawk County.....	1	
Stockton.....	2		Boone County.....	2	
Johnson County—			Cerro Gordo County.....	1	
Burnside precinct.....	2		Clayton County.....	1	
Knox County—			Clinton County.....	4	
Abingdon.....	4		Dallas County.....	1	
Galesburg.....	2		Delaware County.....	4	
Lake County—			Dickinson County.....	1	
Waukegan.....	1		Dubuque County.....	23	
Zion City.....	2		Fayette County.....	2	
La Salle County—			Franklin County.....	2	
Ottawa.....	1		Ida County.....	2	
Lawrence County—			Jasper County.....	2	
Bridgeport.....	2		Jones County.....	8	
McLean County—			Kossuth County.....	10	
Bloomington.....	2		Linn County.....	5	
Normal.....	2		Lyon County.....	4	
Macon County—			Marion County.....	2	
Decatur.....	1		Mills County.....	4	
Madison County—			Mitchell County.....	1	
Alton.....	1		Monroe County.....	1	
Marion County—			Muscatine County.....	1	
Mecham Township..	1		Pottawattamie County..	4	
Centralia.....	1		Scott County.....	8	
Montgomery County—			Wapello County.....	8	
Hillsboro.....	3		Webster County.....	2	
Morgan County—			<b>Total.....</b>	<b>108</b>	
Jacksonville.....	1				
Pike County—			<b>Louisiana (August):</b>		
Hadley Township.....	1		Assumption Parish.....	1	
Pope County—			Caddo Parish.....	5	
Golconda.....	2		Concordia Parish.....	2	
Rock Island County—			East Baton Rouge Parish.	1	
Black Hawk Town- ship.....	1		Iberville Parish.....	1	
Rock Island.....	7		Lafourche Parish.....	2	
Sangamon County—			Madison Parish.....	1	
Springfield.....	3		Natchitoches Parish.....	1	
Rochester Township..	5		Orleans Parish.....	11	
Scott County—			Onachita Parish.....	1	
Naples.....	2		West Carroll Parish.....	5	
Bluffs.....	4		East Carroll Parish.....	1	
Shelby County—			<b>Total.....</b>	<b>32</b>	
Findlay.....	3				
St. Clair County—			<b>Michigan (August):</b>		
East St. Louis.....	8		Alger County.....	4	
Stephenson County—			Bay County.....	2	
Freeport.....	23		Calhoun County.....	1	
Jefferson Township..	1		Cass County.....	7	
Kent Township.....	1		Cheboygan County.....	8	
Waddams Township..	7		Dickinson County.....	3	
Union County—			Genesee County.....	9	
Jonesboro.....	3		Gogebic County.....	3	
Misenheimer precinct.	4		Hillsdale County.....	2	
Vermilion County—			Houghton County.....	10	
Fairmount.....	2		Ingham County.....	10	
Sidell.....	2		Isabella County.....	2	
Jamaica Township....	5		Leelanau County.....	6	
Vance Township.....	3				
Warren County—					
Monmouth.....	2				

SMALLPOX—Continued.

State Reports for July and August, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Michigan (August)—Contd.</b>			<b>Ohio (July):</b>		
Luce County.....	4	.....	Allen County.....	38	.....
Macomb County.....	2	.....	Athens County.....	5	.....
Marquette County.....	14	.....	Auglaize County.....	3	.....
Menominee County.....	4	.....	Clark County.....	5	.....
Missaukee County.....	2	.....	Columbiana County.....	5	.....
Monroe County.....	2	.....	Coshocton County.....	2	.....
Montmorency County.....	5	.....	Crawford County.....	4	.....
Muskegon County.....	2	.....	Cuyahoga County.....	10	.....
Oakland County.....	4	.....	Darke County.....	2	.....
Oceana County.....	1	.....	Defiance County.....	1	.....
Schoolcraft County.....	5	.....	Delaware County.....	5	.....
St. Clair County.....	2	.....	Erie County.....	6	.....
Tuscola County.....	1	.....	Fairfield County.....	5	.....
Wayne County.....	70	.....	Franklin County.....	2	.....
<b>Total.....</b>	<b>185</b>	<b>.....</b>	Fulton County.....	2	.....
<b>Mississippi (August):</b>			Geauga County.....	1	.....
Adams County.....	2	.....	Hamilton County.....	15	.....
Belivar County.....	11	.....	Hardin County.....	4	.....
Chickasaw County.....	4	.....	Henry County.....	1	.....
Clarke County.....	3	.....	Huron County.....	1	.....
Hancock County.....	8	.....	Jefferson County.....	1	.....
Harrison County.....	1	.....	Logan County.....	8	.....
Hinds County.....	4	.....	Lucas County.....	4	.....
Holmes County.....	3	.....	Mahoning County.....	8	.....
Humphreys County.....	1	.....	Marion County.....	21	.....
Montgomery County.....	2	.....	Medina County.....	1	.....
Quitman County.....	4	.....	Mercer County.....	11	.....
Sunflower County.....	26	.....	Miami County.....	3	.....
Tippah County.....	1	.....	Montgomery County.....	2	.....
<b>Total.....</b>	<b>70</b>	<b>.....</b>	Perry County.....	4	.....
<b>North Carolina (August):</b>			Pickaway County.....	4	.....
Alamance County.....	9	.....	Portage County.....	1	.....
Anson County.....	4	.....	Richland County.....	12	.....
Bertie County.....	2	.....	Ross County.....	2	.....
Cabarrus County.....	1	.....	Scioto County.....	1	.....
Craven County.....	3	.....	Seneca County.....	2	.....
Cumberland County.....	2	.....	Stark County.....	31	.....
Davidson County.....	1	.....	Summit County.....	42	.....
Forsyth County.....	2	.....	Trumbull County.....	1	.....
Franklin County.....	3	.....	Union County.....	2	.....
Gaston County.....	15	.....	Vinton County.....	1	.....
Haywood County.....	2	.....	Warren County.....	5	.....
Iredell County.....	2	.....	Williams County.....	9	.....
Johnston County.....	6	.....	Wood County.....	2	.....
Mecklenburg County.....	2	.....	Wyandot County.....	5	.....
Nash County.....	1	.....	<b>Total.....</b>	<b>300</b>	<b>.....</b>
Orange County.....	3	.....	<b>Pennsylvania (August):</b>		
Pamlico County.....	1	.....	Allegheny County.....	1	.....
Pitt County.....	9	.....	Armstrong County.....	3	.....
Rockingham County.....	2	.....	Cambria County.....	4	.....
Rowan County.....	1	.....	Carbon County.....	1	.....
Swain County.....	2	.....	Clearfield County.....	15	.....
Union County.....	2	.....	Fayette County.....	2	.....
Vance.....	3	.....	<b>Total.....</b>	<b>26</b>	<b>.....</b>
Washington County.....	3	.....	<b>South Carolina (August):</b>		
Wilson County.....	1	.....	Aiken County.....	10	.....
Yancey County.....	1	.....	Charleston County.....	2	.....
<b>Total.....</b>	<b>83</b>	<b>.....</b>	Dorchester County.....	1	.....
<b>North Dakota (August):</b>			Fairfield County.....	5	.....
Griggs County.....	1	.....	Greenville County.....	11	.....
Sargent County.....	1	.....	Laurens County.....	1	.....
Nelson County.....	1	.....	Lee County.....	1	.....
Eddy County.....	3	.....	Richland County.....	1	.....
Bowman County.....	5	.....	Spartanburg County.....	3	.....
Cass County—		.....	<b>Total.....</b>	<b>35</b>	<b>.....</b>
Fargo.....	1	.....	<b>South Dakota (August):</b>		
Ward County—		.....	Beadle County.....	4	.....
Minot.....	2	.....	Codington County.....	6	.....
<b>Total.....</b>	<b>14</b>	<b>.....</b>	Davison County.....	5	.....
			Deuel County.....	2	.....
			Edmunds County.....	2	.....

## SMALLPOX—Continued.

## State Reports for July and August, 1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
South Dakota (August)—Con.			Washington (August):		
Grant County.....	1	.....	Adams County—		
Kingsbury County.....	3	.....	Othello.....	1	.....
Lake County.....	1	.....	Asotin County—		
Minnehaha County.....	2	.....	Clarkston.....	1	.....
Roberts County.....	7	.....	Chelan County.....	1	.....
Spink County.....	1	.....	Clallam County.....	13	.....
Yankton County.....	1	.....	Clarke County.....	1	.....
Total.....	35	.....	Vancouver.....	4	.....
Virginia (August):			Columbia County.....	1	.....
Bland County.....	5	.....	Cowlitz County—		
Buchanan County.....	3	.....	Kalama.....	2	.....
Carroll County.....	1	.....	Kelso.....	1	.....
Dickenson County.....	4	.....	Grays Harbor County—		
Frederick County.....	1	.....	Aberdeen.....	1	.....
Gore.....	15	.....	King County.....	1	.....
Winchester.....	2	.....	Auburn.....	1	.....
Giles County.....	11	.....	Seattle.....	39	.....
Lee County.....	6	.....	Kitsap County—		
Keokee.....	6	.....	Bremerton.....	3	.....
Montgomery County—			Lewis County.....	4	.....
Ironto.....	1	.....	Lincoln County.....	3	.....
Nansemond County.....	7	.....	Okanogan County.....	1	.....
Suffolk.....	1	.....	Pend Oreille County—		
Pittsylvania County.....	6	.....	Newport.....	1	.....
Pulaski County.....	3	.....	Pierce County.....	5	.....
Russell County.....	2	.....	Tacoma.....	10	.....
Scott County.....	8	.....	Skagit County.....	5	.....
Shenandoah County—			Sedro Woolley.....	2	.....
Detrick.....	2	.....	Snohomish County.....	2	.....
Seven Fountains.....	1	.....	Granite Falls.....	3	.....
Tazewell County.....	8	.....	Snohomish.....	1	.....
Graham.....	1	.....	Spokane County.....	6	.....
Tazewell.....	1	.....	Deer Park.....	1	.....
Wise County.....	10	.....	Latah.....	3	.....
Appalachia.....	2	.....	Hillyard.....	2	.....
Inman.....	3	.....	Spokane.....	14	.....
Norton.....	6	.....	Thurston County—		
Olinger.....	4	.....	Olympia.....	3	.....
Roda.....	2	.....	Walla Walla County.....	1	.....
Stonega.....	1	.....	Walla Walla.....	1	.....
Total.....	123	.....	Waitsburg.....	2	.....
			Whitman County—		
			Oakesdale.....	22	.....
			Yakima County.....	16	.....
			Total.....	178	.....

## City Reports for Week Ended Sept. 11, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Georgia:			
Birmingham.....	0	1	.....	Atlanta.....	( <sup>1</sup> )	2	.....
California:				Illinois:			
Los Angeles.....	( <sup>1</sup> )	3	.....	Bloomington.....		2	.....
Oakland.....	( <sup>1</sup> )	5	.....	Chicago.....	( <sup>1</sup> )	1	.....
Sacramento.....	0	2	.....	East St. Louis.....	0	2	.....
San Francisco.....	3	1	.....	Indiana:			
Santa Barbara.....	0	1	.....	Indianapolis.....	1	1	.....
Santa Cruz.....	0	1	.....	Marion.....	0	1	.....
Stockton.....	( <sup>1</sup> )	1	.....	South Bend.....	0	1	.....
Colorado:				Iowa:			
Colorado Springs.....	0	2	.....	Cedar Rapids.....	0	1	.....
Denver.....	2	10	.....	Dubuque.....	0	8	.....
Pueblo.....	0	4	.....	Marshalltown.....	0	1	.....

<sup>1</sup> Average less than 1.

SMALLPOX—Continued.

City Reports for Week Ended Sept. 11, 1920—Continued.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
Kansas:				Ohio:			
Coffeyville.....	0	1		Akron.....	(1)	6	
Kansas City.....	0	1		Alliance.....	0	1	
Topeka.....	0	1		Cincinnati.....	(1)	4	
Wichita.....	(1)	1		Marion.....	0	1	
Louisiana:				Oklahoma:			
New Orleans.....	(1)	2	1	Oklahoma City.....	(1)	4	
Michigan:				Oregon:			
Battle Creek.....		1		Portland.....	5	5	
Detroit.....	(1)	3		Pennsylvania:			
Flint.....	(1)	1		Philadelphia.....	0	2	
Saginaw.....	0	1		Pittsburgh.....	0	1	
Minnesota:				South Dakota:			
Duluth.....	(1)	3		Sioux Falls.....	0	1	
Minneapolis.....	2	9		Virginia:			
St. Paul.....	(1)	4		Newport News.....		1	
Missouri:				Roanoke.....	0	1	
Kansas City.....	2	2		Washington:			
St. Louis.....	(1)	1		Bellingham.....		5	
Montana:				Seattle.....	(1)	3	
Billings.....	0	1		Spokane.....		3	
Great Falls.....	0	1		Vancouver.....	0	1	
Missoula.....	0	3		West Virginia:			
Nebraska:				Parkersburg.....	0	1	
Omaha.....	3	4		Wisconsin:			
New York:				Kenosha.....	0	2	
Elmira.....	0	3		La Crosse.....	0	2	
New York.....	0	1		Madison.....	0	1	
North Dakota:				Milwaukee.....	1	6	
Fargo.....	0	3		Sheboygan.....	0	7	

<sup>1</sup>Average less than 1.

TETANUS.

City Reports for Week Ended Sept. 11, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
California:			Missouri:		
San Diego.....	1		St. Joseph.....		1
Georgia:			New York:		
Savannah.....		1	Binghamton.....	1	1
Illinois:			New York.....	1	2
Chicago.....		2			

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See Telegraphic weekly reports\* from States, page 2344, and Weekly reports from cities, page 2376.

## TYPHOID FEVER.

## State Reports for July and August, 1920.

Place	New cases reported.	Place	New cases reported.
<b>Alabama (August):</b>		<b>Arkansas (August)—Continued.</b>	
Barbour County.....	2	Saline County.....	5
Bibb County.....	2	St. Francis County.....	6
Bullock County.....	1	Searcy County.....	3
Butler County.....	0	Sebastian County.....	4
Calhoun County.....	7	Sevier County.....	3
Cherokee County.....	1	Sharp County.....	8
Clay County.....	1	Washington County.....	11
Chilton County.....	3	White County.....	1
Choctaw County.....	1		
Chambers County.....	4	<b>Total.....</b>	<b>157</b>
Colbert County.....	3		
Coosa County.....	1	<b>Idaho (August):</b>	
Covington County.....	1	Ada County.....	1
Crenshaw County.....	1	Boise.....	1
Dale County.....	1	Kuna.....	2
Dallas County.....	1	Bonner County—	
Elmore County.....	3	Laclede.....	5
Escambia County.....	2	Bonneville County—	
Etawah County.....	35	Idaho Falls.....	1
Geneva County.....	2	Caribou County.....	1
Jefferson County.....	6	Franklin County—	
Lawrence County.....	8	Preston.....	1
Lauderdale County.....	3	Gooding County—	
Lee County.....	1	Wendell.....	1
Limestone County.....	2	Lewis County—	
Madison County.....	1	Nespece.....	1
Marengo County.....	3	Payette County—	
Marion County.....	1	Payette.....	2
Marshall County.....	2	Washington County.....	1
Mobile County.....	36	Gem County.....	1
Monroe County.....	2	Nez Perce County.....	3
Montgomery County.....	9	Owyhee County.....	1
Morgan County.....	1		
Pike County.....	2	<b>Total.....</b>	<b>22</b>
Randolph County.....	2		
Shelby County.....	4	<b>Illinois (August):</b>	
St. Clair County.....	7	Adams County—	
Sumter County.....	3	Loraine.....	1
Tallahadega County.....	6	Bond County—	
Tallapoosa County.....	7	Greenville.....	2
Walker County.....	8	Sorento.....	1
Washington County.....	6	Carroll County—	
Wilcox County.....	2	Mount Carroll.....	2
<b>Total.....</b>	<b>203</b>	Cass County—	
		Arenzville.....	1
<b>Arkansas (August):</b>		Champaign County—	
Arkansas County.....	6	Champaign.....	3
Ashley County.....	4	Clark County—	
Baxter County.....	3	Marshall Township.....	2
Benton County.....	2	Clay County—	
Bradley County.....	3	Flora.....	1
Clark County.....	1	Louisville Township.....	4
Cleveland County.....	1	Coles County—	
Craighead County.....	6	Mattoon.....	2
Crawford County.....	1	Charlestown Township.....	2
Drew County.....	7	Cook County—	
Faulkner County.....	1	Chicago.....	13
Franklin County.....	6	Chicago Heights.....	2
Garland County.....	2	Evanston.....	1
Greene County.....	5	Forest Park.....	1
Hempstead County.....	6	Park Ridge.....	1
Hot Spring County.....	9	Wimette.....	1
Independence County.....	5	Steger.....	1
Izard County.....	2	Cumberland County—	
Jefferson County.....	3	Greenup.....	1
Lawrence County.....	1	De Kalb County—	
Lee County.....	9	De Kalb.....	1
Lincoln County.....	2	Douglas County—	
Logan County.....	6	Tuscola.....	3
Miller County.....	3	Murdoek Township.....	1
Mississippi County.....	7	Camargo.....	2
Perry County.....	1	Edgar County—	
Phillips County.....	1	Vermilion.....	1
Pike County.....	1	Franklin County—	
Popo County.....	2	Orient.....	1
Prairie County.....	1	Easton Township.....	2
Pulaski County.....	9	Royalton.....	1

TYPHOID FEVER—Continued.

State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Illinois (August)—Continued.</b>		<b>Illinois (August)—Continued.</b>	
Fulton County—		St. Clair County—	
Goode Township.....	3	East St. Louis.....	1
Gallatin County—		Millstadt.....	2
North Fork Township.....	7	Tazewell County—	
Grundy County—		Pekin.....	1
Coal City.....	1	Vermilion County—	
Hamilton County—		Danville Township.....	2
Twigg Township.....	2	Hoopston.....	1
McLeansboro.....	2	Wabash County—	
Hancock County—		Keensburg.....	1
Carthage.....	1	Wayne County—	
La Harpe Township.....	1	Indian Prairie Township.....	10
Iroquois County—		White County—	
Martinton.....	1	Burnt Prairie Township.....	2
Papineau Township.....	2	Carmi.....	7
Jackson County—		Enfield Township.....	1
De Soto Township.....	2	Phillips Township.....	2
Jasper County—		Carmi Township.....	3
Newton.....	1	Heralds Prairie Township.....	1
South Muddy Township.....	1	Whiteside County—	
Kane County—		Morrison.....	1
Aurora.....	1	Fulton.....	2
St. Charles Township.....	2	Will County—	
Kankakee County—		Joliet.....	2
Kankakee.....	4	Joliet Township.....	1
St. Anne Township.....	3	Lockport Township.....	3
Kendall County—		Williamson County—	
Yorkville.....	1	Johnston City.....	1
Kendall Township.....	1	Carterville.....	1
Knox County—		Winnebago County—	
Galesburg.....	4	Rockford.....	3
Lake County—		South Beloit.....	1
North Chicago.....	1		
Waukegan.....	2	Total.....	193
La Salle County—			
Earlville.....	1	<b>Louisiana (August):</b>	
La Salle.....	2	Avoyelles Parish.....	2
Lawrence County—		Bienville Parish.....	1
Bridgeport.....	2	Caddo Parish.....	5
McDonough County—		Claiborne Parish.....	10
Hire Township.....	5	East Baton Rouge Parish.....	3
Prairie City Township.....	1	East Feliciana Parish.....	3
Madison County—		Evangeline Parish.....	3
Granite City.....	1	Franklin Parish.....	3
Marion County—		Jackson Parish.....	2
Odin.....	1	Jefferson Davis Parish.....	3
Sandoval.....	2	Lafayette Parish.....	7
Sandoval Township.....	4	Lafourche Parish.....	3
Marshall County—		La Salle Parish.....	5
Teluca.....	5	Lincoln Parish.....	2
Monroe County—		Natchitoches Parish.....	1
Waterloo.....	1	Orleans Parish.....	101
Montgomery County—		Ouachita Parish.....	3
Hillsboro.....	1	Plaquemines Parish.....	2
Morgan County—		Rapides Parish.....	2
Jacksonville.....	2	Richland Parish.....	1
Woodson precinct.....	1	St. James Parish.....	4
Meredosia precinct.....	1	St. Landry Parish.....	4
Perry County—		St. Martin Parish.....	1
Tamaroa.....	1	St. Mary Parish.....	7
Willisville.....	2	St. Tammany Parish.....	1
Randolph County—		Tangipahoa Parish.....	3
Sparta.....	2	Terrebonne Parish.....	4
Percy.....	1	Vernilion Parish.....	1
Richland County—		Vernon Parish.....	4
Decker Township.....	1	Washington Parish.....	3
Rock Island County—			
Moline.....	1	Total.....	191
Rock Island.....	1		
Saline County—		<b>Maryland (August):</b>	
Rector Township.....	1	Baltimore.....	45
Sangamon County—		Allegany County—	
Mechanicsburg.....	1	Cumberland.....	2
Pleasant Plains.....	1	Midlothian.....	1
Springfield.....	3	Anne Arundel County—	
Rochester.....	1	Marley.....	1
Shelby County—		Pasadena.....	1
Big Spring Township.....	1	Annapolis.....	1



## TYPHOID FEVER—Continued.

## State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Maryland (August)—Continued.</b>		<b>Michigan (August):</b>	
Baltimore County—		Alcona County.....	1
Towson.....	1	Alpena County.....	4
Parkton.....	1	Barry County.....	5
Rossville.....	1	Bay County.....	1
Texas.....	1	Berrien County.....	1
Calvert County—		Calhoun County.....	1
Olivet.....	1	Cass County.....	1
Olivet, R. D.....	1	Crawford County.....	3
Caroline County—		Eaton County.....	4
Williston.....	1	Genesee County.....	44
Rideely, R. D.....	1	Grand Traverse.....	2
Federalburg.....	2	Gratiot County.....	2
Ganey's wharf.....	1	Hillsdale County.....	1
Greensboro, R. D.....	1	Ingham County.....	3
Goldsboro.....	2	Isabella County.....	1
Carroll County—		Kalamazoo.....	1
Patansco, R. D.....	3	Kent County.....	7
Tanevtown.....	2	Lenawee County.....	1
Charles County—		Macomb County.....	2
La Plata, R. D.....	1	Manistee County.....	1
Port Tobacco, R. D.....	1	Marquette County.....	2
Brvantown, R. D.....	1	Mason County.....	1
Dorchester County—		Menominee County.....	1
Secretary.....	1	Midland County.....	1
Cambridge.....	2	Montmorency County.....	1
Cambridge Hospital.....	1	Muskegon County.....	4
Frederick County—		Oakland County.....	8
Jefferson, R. D.....	1	Osceola County.....	1
New Market.....	1	Oscoda County.....	1
Sabillasville, R. D.....	1	Fresque Isle County.....	2
Iiamsville.....	1	Saginaw County.....	2
New Midway, R. D.....	1	Shiawassee County.....	3
Garrett County—		Tuscola County.....	3
Crellin.....	1	Washtenaw County.....	2
Grantsville.....	3	Wayne County.....	42
Oakland.....	1	Wexford County.....	4
Harford County—			
Bel Air.....	1	Total.....	161
Howard County—		<b>Minnesota (August):</b>	
Elk Ridge.....	1	Beltrami County—	
Elk Ridge, R. D.....	1	Bemidji.....	1
Montgomery County—		Blue Earth County—	
Starmount Sanitarium.....	1	Lincoln Township.....	1
Unity, R. D.....	1	Cass County—	
Poolesville.....	1	Walker.....	1
Rockville.....	1	Chisago County—	
Prince Georges County—		Sunrise Township.....	1
Bowers Old Field.....	2	Clay County—	
Suitland.....	2	Moorhead.....	1
Seat Pleasant.....	1	Park Township.....	1
Mount Rainier.....	2	Dakota County—	
Halls, R. D.....	1	South St. Paul.....	3
Croom, R. D.....	1	Ingersgrove Township.....	1
Queen Annes County—		Faribault County—	
Templeville, R. D.....	1	Blue Earth City Township.....	1
Ingleside, R. D.....	1	Goodhue County—	
St. Marys County—		Red Wing.....	1
Laurel Grove, R. D.....	5	Hennepin County—	
Oakville, R. D.....	1	Minneapolis.....	9
Somerset County—		Mound.....	1
Marion.....	2	Orono Township.....	2
Crisfield.....	4	Isanti County—	
Venton.....	1	Braham.....	2
Crisfield, R. D.....	1	Lake County—	
Talbot County—		Two Harbors.....	1
St. Michaels, R. D.....	1	Le Sueur County—	
Trappe.....	1	New Prague.....	3
Easton.....	2	Lyon County—	
Washington County—		Marshall.....	5
Cearfoss, R. D.....	1	Meeker County—	
Hancock.....	1	Watkins.....	1
Wicomico County—		Mille Lacs County—	
Pittsville.....	1	Milo Township.....	1
Peninsula General Hospital.....	2	Morrison County—	
Worcester County—		Royalton.....	1
Berlin, R. D.....	1	Nicollet County—	
Pocomoke City.....	1	Ridgely Township.....	1
		Olmsted County—	
Total.....	130	Rochester.....	3

**TYPHOID FEVER—Continued.**

**State Reports for July and August, 1920—Continued.**

Place.	New cases reported.	Place.	New cases reported.
<b>Minnesota (August)—Continued.</b>		<b>Mississippi (August)—Continued.</b>	
Polk County.....		Pike County.....	2
Crookston.....	1	Pontotoc County.....	2
Higden Township.....	1	Prentiss County.....	15
Pope County.....		Rankin County.....	2
Glenwood.....	1	Scott County.....	8
Ramsay County.....		Sharkey County.....	2
St. Paul.....	19	Simpson County.....	1
Rice County.....		Smith County.....	2
Faribault.....	1	Sunflower County.....	20
St. Louis County.....		Tallahatchie County.....	25
Buhl.....	1	Tate County.....	18
Aurora.....	2	Tippah County.....	11
Hibbing.....	3	Tishomingo County.....	7
Virginia.....	1	Tunica County.....	4
Stearns County.....		Union County.....	12
Luxemburg Township.....	1	Waltham County.....	4
Swift County.....		Warren County.....	1
Benson.....	2	Webster County.....	6
Watsonwan County.....		Wilkinson County.....	2
Odin.....	1	Yalobusha County.....	7
Winona County.....		Yazoo County.....	3
Winona.....	2		
Yellow Medicine County.....		<b>Total.....</b>	<b>523</b>
Canby.....	1		
<b>Total.....</b>	<b>79</b>		
<b>Mississippi (August):</b>		<b>New Mexico (August):</b>	
Adams County.....	4	Bernalillo County.....	4
Alcorn County.....	21	Chaves County.....	3
Amite County.....	7	Collax County.....	5
Attala County.....	3	Dona Ana County.....	2
Bolivar County.....	41	Eddy County.....	2
Calhoun County.....	8	Grant County.....	1
Carroll County.....	3	Guadalupe County.....	1
Chickasaw County.....	3	Luna County.....	1
Choctaw County.....	8	Otero County.....	2
Claiborne County.....	4	Rio Arriba County.....	1
Clarke County.....	6	San Miguel County.....	1
Clay County.....	5	Secorro County.....	1
Copiah County.....	3	Taos County.....	2
Covington County.....	11	<b>Total.....</b>	<b>26</b>
De Soto County.....	10		
Forest County.....	3	<b>New York (August):</b>	
Franklin County.....	15	Albany County—	
Greene County.....	12	Albany.....	10
Hancock County.....	1	Colonie (town).....	1
Harrison County.....	21	Broome County—	
Hinds County.....	17	Binghamton.....	3
Holmes County.....	14	Chenango (town).....	1
Humphreys County.....	5	Cayuga County—	
Issaquena County.....	1	Auburn.....	3
Itawamba County.....	1	Sterling (town).....	1
Jackson County.....	3	Chautauqua County—	
Jasper County.....	9	Jamestown.....	1
Jefferson County.....	1	Pomfret (town).....	1
Jones County.....	11	Sheriden (town).....	1
Kemper County.....	17	Sherman (town).....	1
Lafayette County.....	8	Chemung County—	
Lauderdale County.....	7	Elmira.....	1
Lawrence County.....	3	Horseheads.....	1
Leake County.....	1	Clinton County—	
Lee County.....	11	Plattsburg.....	1
Leflore County.....	4	Columbia County—	
Lincoln County.....	3	Ghent (town).....	2
Madison County.....	1	Stuyvesant (town).....	1
Marion County.....	2	Cortland County—	
Marshall County.....	9	Homer.....	1
Monroe County.....	5	Virgil (town).....	1
Montgomery County.....	4	Delaware County—	
Neshoba County.....	6	Walton.....	1
Newton County.....	14	Dutchess County—	
Noxubee County.....	2	Beacon.....	1
Oktibbeha County.....	2	Erie County—	
Panola County.....	11	Buffalo.....	29
Pearl River County.....	1	Tonawanda.....	1
Perry County.....	1	East Aurora.....	1
		Eden (town).....	1

## TYPHOID FEVER—Continued.

## State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>New York (August)—Continued.</b>		<b>New York (August)—Continued.</b>	
Essex County—		Suffolk County—	
Ticonderoga.....	1	Brookhaven (town).....	7
Westport (town).....	1	Huntington (town).....	4
Franklin County—		Smithtown (town).....	1
Westville (town).....	5	Kings Park State Hospital.....	1
Fulton County—		Sullivan County—	
Gloversville.....	3	Callicoon (town).....	1
Genesee County—		Rockland (town).....	1
Batavia.....	2	Thompson (town).....	1
Corfu.....	2	Tioga County—	
Greene County—		Nichols (town).....	1
Catskill.....	1	Owego.....	1
Hamilton County—		Tompkins County—	
Wells (town).....	1	Ithaca.....	1
Herkimer County—		Ulster County—	
Herkimer.....	1	Kingston.....	2
Russia (town).....	1	Lloyd (town).....	2
Jefferson County—		Shawangunk (town).....	2
Watertown.....	4	Wawarsing (town).....	1
Glen Park.....	3	Washington County—	
Cape Vincent.....	1	Greenwich.....	1
Lewis County—		Fort Ann.....	1
Lowville.....	1	Fort Edward.....	1
Livingston County—		Westchester County—	
Caledonia.....	3	Mount Vernon.....	2
Monroe County—		New Rochelle.....	2
Rochester.....	2	Port Chester.....	3
Montgomery County—		Mamaroneck (town).....	1
Amsterdam.....	1	<b>Total.....</b>	<b>391</b>
Nassau County—		<b>North Carolina (August):</b>	
Glen Cove.....	1	Alamance County.....	3
Freeport.....	1	Alexander County.....	1
Cedarhurst.....	1	Anson County.....	1
New York.....	199	Ashe County.....	1
Niagara County—		Avery County.....	1
Lockport.....	2	Beaufort County.....	8
Niagara Falls.....	2	Bertie County.....	3
North Tonawanda.....	2	Buncombe County.....	1
Somerset (town).....	1	Burke County.....	1
Oneida County—		Caldwell County.....	4
New Hartford (town).....	1	Carteret County.....	5
Whitesboro.....	1	Caswell County.....	1
Onondaga County—		Catawba County.....	5
Syracuse.....	1	Chatham County.....	4
Cicero (town).....	7	Cherokee County.....	3
Marcellus (town).....	1	Chowan County.....	4
Skaneateles (town).....	2	Clay County.....	4
Spafford (town).....	1	Cleveland County.....	4
Orange County—		Columbus County.....	7
Newburgh.....	1	Cumberland County.....	4
Orleans County—		Currituck County.....	3
Murray (town).....	1	Davidson County.....	7
Oswego County—		Davie County.....	1
Oswego.....	1	Duplin County.....	7
Richland (town).....	2	Durham County.....	5
Otsego County—		Durham.....	21
Otego.....	1	Edgecombe County.....	13
Cooperstown.....	1	Forsyth County.....	3
Rensselaer County—		Winston-Salem.....	15
Rensselaer.....	1	Franklin County.....	1
Troy.....	4	Gaston County.....	24
Pittstown (town).....	1	Gates County.....	1
Grafton (town).....	3	Graham County.....	1
St. Lawrence County—		Granville County.....	8
Massena.....	1	Greene County.....	2
Potsdam.....	1	Guilford County.....	13
Saratoga County—		Greensboro.....	8
Saratoga Springs.....	1	High Point.....	2
Charlton (town).....	1	Halifax County.....	4
Schenectady County—		Harnett County.....	8
Schenectady.....	4	Haywood County.....	1
Glenville (town).....	2	Hertford County.....	1
Scotia.....	1	Hoke County.....	1
Rctterdam (town).....	3	Iredell County.....	4
Schoharie County—		Johnston County.....	2
Schoharie (town).....	1	Jones County.....	7
Steuben County—		Lee County.....	3
Hornell.....	1		
Campbell (town).....	1		

TYPHOID FEVER—Continued.

State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>North Carolina (August)—Continued.</b>		<b>Ohio (July)—Continued.</b>	
Lenoir County.....	8	Columbiana County.....	6
Macon County.....	5	Crawford County.....	2
Madison County.....	8	Cuyahoga County.....	15
Martin County.....	4	Darke County.....	1
Mecklenburg County.....	3	Delaware County.....	2
Charlotte.....	7	Erie County.....	1
Mitchell County.....	1	Fayette County.....	3
Nash County.....	7	Franklin County.....	3
Northampton County.....	3	Fulton County.....	2
Cnslow County.....	4	Geauga County.....	1
Orange County.....	2	Greene County.....	1
Pasquotank County.....	11	Hamilton County.....	6
Pender County.....	3	Hardin County.....	1
Perquimans.....	13	Hancock County.....	1
Person County.....	7	Henry County.....	2
Fitt County.....	14	Highland County.....	3
Randolph County.....	3	Huron County.....	1
Richmond County.....	2	Knox County.....	1
Robeson County.....	6	Lawrence County.....	4
Rockingham County.....	6	Licking County.....	3
Rowan County.....	15	Lorain County.....	19
Rutherford County.....	3	Lucas County.....	3
Sampson County.....	8	Mahoning County.....	2
Scotland County.....	2	Medina County.....	2
Surry County.....	4	Meigs County.....	1
Swain County.....	2	Miami County.....	6
Tyrrell County.....	6	Montgomery County.....	7
Union County.....	3	Morgan County.....	1
Vance County.....	4	Ottawa County.....	12
Wake County.....	7	Pickaway County.....	1
Raleigh.....	2	Portage County.....	2
Warren County.....	4	Richland County.....	1
Washington County.....	1	Sandusky County.....	2
Watauga County.....	1	Scioto County.....	7
Wilkes County.....	5	Seneca County.....	1
Wilson County.....	11	Shelby County.....	2
Yadkin County.....	3	Stark County.....	10
Yancey County.....	2	Summit County.....	5
<b>Total.....</b>	<b>430</b>	Trumbull County.....	14
<b>North Dakota (August):</b>		Tuscarawas County.....	3
Bottineau County—		Washington County.....	1
Bottineau.....	4	Williams County.....	1
Burleigh County—		Wood County.....	1
Bismarck.....	3	<b>Total.....</b>	<b>190</b>
Cass County—		<b>Pennsylvania (August):</b>	
Fargo.....	1	Adams County.....	3
Hettinger County.....	1	Allegheny County.....	29
Ramsey County.....	2	Armstrong County.....	11
Ransom County—		Beaver County.....	2
Enderlin.....	1	Bedford County.....	3
Renville County.....	2	Berks County.....	19
Richland County—		Blair County.....	1
Lidgerwood.....	1	Bradford County.....	2
Steele County.....	1	Bucks County.....	2
Stutsman County—		Butler County.....	1
Jamestown.....	2	Cambria County.....	6
Traill County—		Center County.....	2
Maysville.....	1	Chester County.....	15
Ward County—		Clearfield County.....	4
Kenmare.....	1	Clinton County.....	2
Minot.....	3	Columbia County.....	2
Walsh County.....	1	Crawford County.....	2
<b>Total.....</b>	<b>24</b>	Cumberland County.....	9
<b>Ohio (July):</b>		Dauphin County.....	4
Allen County.....	11	Delaware County.....	5
Ashtabula County.....	1	Eik County.....	1
Athens County.....	3	Erie County.....	3
Belmont County.....	4	Fayette County.....	2
Butler County.....	1	Franklin County.....	6
Carroll County.....	2	Greene County.....	3
Champaign County.....	1	Huntingdon County.....	2
Clark County.....	1	Indiana County.....	1
Clermont County.....	2	Jefferson County.....	1
Clinton County.....	1	Lancaster County.....	8
		Lawrence County.....	4
		Lebanon County.....	4

## TYPHOID FEVER—Continued.

## State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Pennsylvania (August)—Continued.</b>		<b>Virginia (August)—Continued.</b>	
Lehigh County.....	23	Amherst County.....	3
Luzerne County.....	14	Appomattox County.....	2
Lycoming County.....	4	Augusta County.....	4
McKean County.....	2	Basic.....	1
Mercer County.....	4	Staunton.....	4
Montgomery County.....	6	Bath County.....	2
Montour County.....	2	Bedford County.....	7
Northampton County.....	17	Bedford City.....	6
Northumberland County.....	1	Botetourt County—	
Philadelphia County.....	56	Troutville.....	2
Potter County.....	2	Brunswick County.....	2
Schuylkill County.....	3	Buckingham County.....	1
Snyder County.....	1	Campbell County.....	6
Somerset County.....	3	Brookneal.....	1
Venango County.....	1	Lynchburg.....	4
Warren County.....	2	Caroline County.....	4
Washington County.....	9	Carroll County.....	2
Wayne County.....	2	Chesterfield County.....	4
Westmoreland County.....	6	Clarke County.....	1
York County.....	17	Culpeper County.....	2
<b>Total.....</b>	<b>330</b>	Dickenson County.....	3
		Dinwiddie County.....	2
<b>Rhode Island (August):</b>		Elizabeth City County.....	4
Bristol County—		Hampton.....	3
Bristol (town).....	1	Floyd County.....	4
Providence County—		Franklin County.....	2
Providence.....	6	Grayson County.....	1
Washington County—		Fries.....	2
Charlestown (town).....	2	Greene County.....	3
<b>Total.....</b>	<b>9</b>	Greensville County.....	2
		North Emporia.....	1
<b>South Carolina (August):</b>		Hallfax County.....	4
Abbeville County.....	2	Hanover County.....	2
Beaufort County.....	1	Henrico County—	
Calhoun County.....	10	Richmond.....	16
Charleston County.....	1	Henry County.....	16
Cherokee County.....	1	Martinsville.....	1
Chester County.....	2	King and Queen County.....	4
Chesterfield County.....	3	Lee County.....	6
Edgefield County.....	3	St. Charles.....	1
Fairfield County.....	4	Louisa County.....	2
Florence County.....	1	Lunenburg County.....	1
Greenville County.....	8	Madison County.....	1
Hampton County.....	3	Mathews County.....	1
Laurens County.....	2	Middlesex County.....	2
Lee County.....	12	Montgomery County.....	7
Marion County.....	2	Blacksburg.....	1
Newberry County.....	8	East Radford.....	1
Oconee County.....	1	Radford.....	5
Orangeburg County.....	26	Nansemond County.....	1
Pickens County.....	1	Suffolk.....	2
Richland County.....	11	New Kent County.....	1
Spartanburg County.....	2	Norfolk County.....	11
Sumter County.....	3	Norfolk.....	8
Union County.....	1	Northampton County.....	7
<b>Total.....</b>	<b>108</b>	Northumberland County.....	1
		Nottoway County—	
<b>South Dakota (August):</b>		Blackstone.....	1
Beadle County.....	2	Orange County.....	4
Jones County.....	2	Pittsylvania County.....	1
Kingsbury County.....	1	Powhatan County.....	3
Lake County.....	3	Princess Anne County.....	2
Lincoln County.....	1	Prince Edward County.....	2
Minnehaha County.....	1	Prince George County—	
<b>Total.....</b>	<b>10</b>	Hopewell.....	1
		Pulaski County.....	4
<b>Virginia (August):</b>		Pulaski.....	1
Accomac County.....	11	Rappahannock County.....	1
Albemarle County.....	1	Roanoke County.....	5
Alexandria County—		Roanoke.....	8
Alexandria.....	6	Vinton.....	1
Alleghany County.....	2	Rockbridge County.....	1
Covington.....	2	Buena Vista.....	2
		Rockingham County.....	3
		Russell County.....	1
		Scott County.....	2

TYPHOID FEVER—Continued.

State Reports for July and August, 1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Virginia (August)—Continued.</b>		<b>Washington (August):</b>	
Shenandoah County.....	9	Chelan County.....	4
Smyth County.....	5	Chelan.....	1
Marion.....	3	Douglas County.....	1
Saltville.....	3	King County.....	4
Southampton County.....	7	Kent.....	2
Drewryville.....	2	Kirkland.....	1
Franklin.....	2	Seattle.....	6
Newsoms.....	1	Lewis County.....	3
Spotsylvania County.....	3	Okanogan County.....	1
Surry County.....	4	Pateros.....	1
Dendron.....	1	Pierce County—	
Sussex County.....	3	Tacoma.....	2
Tazewell County.....	8	Skagit County.....	2
Graham.....	1	Concrete.....	1
Pocahontas.....	1	Mount Vernon.....	1
Richlands.....	1	Skamania County.....	1
Warwick County—		Spokane County.....	15
Newport News.....	6	Spangle.....	1
Washington County.....	12	Spokane.....	6
Bristol.....	4	Thurston County—	
Westmoreland County.....	4	Tenino.....	1
Wise County.....	3	Walla Walla County.....	2
Osaka.....	1	Yakima County.....	19
Wythe County.....	17	Total.....	75
Total.....	353		

City Reports for Week Ended Sept. 11, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full five years, the average includes from one to four years.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
<b>Alabama:</b>				<b>Illinois:</b>			
Birmingham.....	21	2	2	Chicago.....	18	13	3
Tuscaloosa.....	(1)	4	.....	Decatur.....	1	1	.....
<b>Arkansas:</b>				<b>Indiana:</b>			
Little Rock.....	2	1	.....	Brazil.....	0	1	.....
North Little Rock.....	0	3	.....	Fort Wayne.....	2	10	.....
<b>California:</b>				Hammond.....	2	1	.....
Los Angeles.....	5	8	1	Indianapolis.....	26	3	.....
Oakland.....	2	1	.....	Kokomo.....	1	1	.....
Sacramento.....	1	2	.....	La Fayette.....	0	1	.....
San Bernardino.....	0	2	.....	Logansport.....	0	1	.....
San Francisco.....	3	2	1	South Bend.....	3	1	.....
Santa Barbara.....	(1)	1	.....	<b>Iowa:</b>			
<b>Colorado:</b>				Council Bluffs.....	0	1	1
Colorado Springs.....	1	1	.....	Muscatine.....	0	1	.....
Denver.....	7	11	.....	<b>Kansas:</b>			
Greeley.....	0	1	.....	Atchison.....	.....	2	.....
Pueblo.....	2	12	1	Hutchinson.....	0	2	.....
<b>Connecticut:</b>				Topeka.....	2	7	.....
Bridgeport.....	1	3	.....	Wichita.....	7	2	.....
Bristol.....	0	1	.....	<b>Kentucky:</b>			
Hartford.....	3	9	.....	Covington.....	1	1	.....
New Haven.....	3	4	1	Louisville.....	8	6	1
Norfolk.....	1	1	.....	<b>Louisiana:</b>			
<b>Delaware:</b>				New Orleans.....	7	4	1
Wilmington.....	4	3	.....	<b>Maine:</b>			
<b>District of Columbia:</b>				Bangor.....	.....	1	.....
Washington.....	13	5	1	Biddeford.....	0	1	.....
<b>Georgia:</b>				Portland.....	1	3	.....
Atlanta.....	2	6	2	<b>Maryland:</b>			
Macon.....	0	1	1	Baltimore.....	28	20	.....
Rome.....	0	1	.....	<b>Massachusetts:</b>			
Savannah.....	3	1	.....	Adams.....	1	1	.....

<sup>1</sup> Average less than 1.

## TYPHOID FEVER—Continued.

## City Reports for Week Ended Sept. 11, 1920—Continued.

Place.	Average cases.	1920		Place.	Average cases.	1920	
		Cases.	Deaths.			Cases.	Deaths.
<b>Massachusetts—Contd.</b>				<b>Ohio—Continued.</b>			
Boston.....	9	5	.....	Marion.....	1	2	.....
Fall River.....	6	3	.....	Middletown.....	0	1	.....
Gardner.....	.....	1	.....	Springfield.....	2	1	.....
Haverhill.....	2	1	.....	Toledo.....	10	1	.....
Holyoke.....	( <sup>1</sup> )	1	.....	Zanesville.....	2	2	.....
Lawrence.....	2	1	.....	<b>Oklahoma:</b>			
Lynn.....	7	1	.....	Oklahoma City.....	( <sup>1</sup> )	.....	2
Melrose.....	0	1	.....	<b>Oregon:</b>			
New Bedford.....	3	3	.....	Portland.....	1	3	.....
Newburyport.....	0	.....	1	<b>Pennsylvania:</b>			
North Adams.....	( <sup>1</sup> )	1	.....	Allentown.....	3	9	.....
Pittsfield.....	( <sup>1</sup> )	1	.....	Bethlehem.....	1	2	.....
Somerville.....	0	1	.....	Butler.....	( <sup>1</sup> )	1	.....
<b>Michigan:</b>				Chester.....	3	7	.....
Ann Arbor.....	2	1	1	Connellsville.....	0	1	.....
Battle Creek.....	0	1	.....	Du Bois.....	( <sup>1</sup> )	4	.....
Detroit.....	15	3	2	Erie.....	4	1	.....
Flint.....	4	10	2	Harrisburg.....	5	2	.....
Saginaw.....	( <sup>1</sup> )	2	.....	Johnstown.....	2	1	.....
Sault Ste. Marie.....	1	1	.....	New Castle.....	1	3	.....
<b>Minnesota:</b>				North Braddock.....	( <sup>1</sup> )	1	.....
Duluth.....	1	1	.....	Philadelphia.....	26	10	1
St. Paul.....	1	3	.....	Pittsburgh.....	8	4	.....
<b>Missouri:</b>				Pottsville.....	0	1	.....
Kansas City.....	2	1	4	Reading.....	2	1	.....
St. Joseph.....	1	1	.....	Uniontown.....	( <sup>1</sup> )	2	.....
St. Louis.....	15	5	3	Warren.....	1	1	.....
<b>Montana:</b>				Wilkes-Barre.....	1	1	.....
Butte.....	( <sup>1</sup> )	1	.....	York.....	2	6	.....
<b>Nebraska:</b>				<b>Rhode Island:</b>			
Omaha.....	2	19	1	Providence.....	5	3	.....
<b>New Hampshire:</b>				<b>South Carolina:</b>			
Concord.....	( <sup>1</sup> )	.....	2	Charleston.....	9	1	1
<b>New Jersey:</b>				Spartanburg.....	1	1	.....
Atlantic City.....	2	1	.....	<b>Tennessee:</b>			
Bloomfield.....	0	1	.....	Nashville.....	6	5	.....
Elizabeth.....	2	1	.....	<b>Texas:</b>			
Jersey City.....	5	3	.....	Beaumont.....	0	1	.....
Newark.....	3	3	.....	Dallas.....	3	7	2
<b>New York:</b>				Fort Worth.....	1	3	.....
Albany.....	1	3	.....	Galveston.....	2	.....	1
Auburn.....	( <sup>1</sup> )	1	.....	Waco.....	1	1	.....
Binghamton.....	( <sup>1</sup> )	1	.....	<b>Vermont:</b>			
Buffalo.....	3	5	.....	Burlington.....	0	2	1
Cohoes.....	0	1	.....	Rutland.....	0	.....	1
Elmira.....	2	2	.....	<b>Virginia:</b>			
Hudson.....	0	1	.....	Alexandria.....	.....	3	.....
New York.....	67	40	8	Lynchburg.....	2	1	.....
North Tonawanda.....	2	1	.....	Norfolk.....	3	1	.....
Rochester.....	3	1	.....	Petersburg.....	.....	2	.....
Schenectady.....	( <sup>1</sup> )	2	.....	Portsmouth.....	( <sup>1</sup> )	1	.....
Syracuse.....	3	3	.....	Richmond.....	7	3	.....
Yonkers.....	4	1	.....	Roanoke.....	3	2	.....
<b>North Carolina:</b>				<b>Washington:</b>			
Charlotte.....	5	3	.....	Bellingham.....	.....	1	.....
Durham.....	5	2	.....	Seattle.....	2	4	.....
Raleigh.....	( <sup>1</sup> )	.....	1	Vancouver.....	2	2	.....
Winston-Salem.....	4	6	.....	Yakima.....	2	2	.....
<b>Ohio:</b>				<b>West Virginia:</b>			
Akron.....	4	3	.....	Morgantown.....	( <sup>1</sup> )	1	1
Cincinnati.....	4	2	.....	Parkersburg.....	1	2	.....
Cleveland.....	8	3	.....	<b>Wisconsin:</b>			
Dayton.....	2	2	.....	Milwaukee.....	1	2	1
Lancaster.....	1	1	.....				

Average less than 1.

**YELLOW FEVER.**

**Pensacola, Fla.—On Steamship "Haraldshaug."**

Under date of September 28, 1920, one case of yellow fever was reported on the steamship *Haraldshaug* at Pensacola, Fla. The vessel had touched at Tampico and Vera Cruz, Mex., and at Puerto Barrios, Guatemala, ports where yellow fever is known to be present. The ship lay at dock at Tampico from August 31 to September 5 and was fumigated at Vera Cruz on September 11. The initial chill occurred on September 10, indicating that the disease was probably contracted at Tampico.

The patient was removed to the Pensacola quarantine hospital, and appropriate treatment was taken against the vessel and the other members of the crew.

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

**City Reports for Week Ended Sept. 11, 1920.**

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.
Adams, Mass.....	14,406	2								
Akron, Ohio.....	93,604	51	4							
Alameda, Calif.....	28,433	4								
Albany, N. Y.....	106,632	4	1							
Alexandria, Ia.....	16,232	6								
Alexandria, Va.....	17,959	4								
Allentown, Pa.....	66,109	7								
Alliance, Ohio.....	19,581	5	1							
Alton, Ill.....	23,783	4	4							
Amesbury, Mass.....	10,200	2								
Anaconda, Mont.....	10,631	3								
Ann Arbor, Mich.....	15,041	20	3	1						
Anniston, Ala.....	14,326	1	1							
Ansonia, Conn.....	16,954	4								
Appleton, Wis.....	18,005	1	1							
Arlington, Mass.....	13,073	13								
Asbury Park, N. J.....	14,629	7	1							
Ashtabula, Ohio.....	22,008	2								
Atlanta, Ga.....	186,144	69	5	1						
Atlantic City, N. J.....	59,515	14	1	1						
Attleboro, Mass.....	19,778	6								
Auburn, Me.....	16,607	7								
Auburn, N. Y.....	37,823	10	1							
Aurora, Ill.....	34,795	6								
Baltimore, Md.....	594,637	179	9	1	7		5		19	20
Bangor, Me.....	26,958									
Barberton, Ohio.....	14,157	5								
Bayonne, N. J.....	72,204		2							
Beaumont, Tex.....	28,851	10								
Bedford, Ind.....	10,613	1								
Beloit, Wis.....	18,547									
Benton Harbor, Mich.....	11,099	5								
Bethlehem, Pa.....	14,353	1								
Beverly, Mass.....	22,128	4	2							
Billings, Mont.....	15,123	7								
Binghamton, N. Y.....	54,864	7								
Birmingham, Ala.....	189,716	51	7							
Bloomfield, N. J.....	19,013	1	1							
Bloomington, Ill.....	27,462	5								
Boise, Idaho.....	35,951	6								
Boston, Mass.....	767,813	162	30		4		3		36	12
Bradock, Pa.....	22,060	3								
Bradford, Pa.....	14,544				2		3			

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



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

## City Reports for Week Ended Sept. 11, 1920—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.
Brazil, Ind.	10,472	0	1							
Bridgeport, Conn.	124,724	31	12				2		1	4
Bristol, Conn.	16,318	3	1							
Brockton, Mass.	69,152	10	1				1		5	1
Brookline, Mass.	33,526	8								
Brunswick, Ga.	10,894	2							4	1
Buffalo, N. Y.	475,781	126	27	3	4		4		15	10
Burlington, Vt.	21,802	6	1				1			
Butler, Pa.	28,677								2	
Butte, Mont.	44,057	23	1		6					1
Cairo, Ill.	15,995	4								1
Cambridge, Mass.	114,293	34	2		1				3	3
Canton, Ill.	13,674	1								
Canton, Ohio.	62,566	12	1				2			
Cape Girardeau, Mo.	11,146	4					1			1
Carbondale, Pa.	19,597		4							
Carlisle, Pa.	10,795				1					
Cedar Rapids, Iowa.	38,033		4				1			
Chambersburg, Pa.	12,475		3		1					
Charleston, S. C.	61,041	30								4
Charlotte, N. C.	40,789	6	6						2	2
Chelsea, Mass.	48,405	12	3		1		2		4	3
Chester, Pa.	41,857		6				2			
Cheyenne, Wyo.	11,320	8								
Chicago, Ill.	2,547,201	482	62	8	15		42	1	115	49
Chicopee, Mass.	29,950	4	2						1	
Cincinnati, Ohio.	414,248	89	3				2		22	8
Cleveland, Ohio.	692,259	174	13	1	3		19	1	23	22
Clinton, Iowa.	27,678	3			4		1		1	
Coatesville, Pa.	14,998				1					
Coffeyville, Kans.	18,331	0								
Cohoes, N. Y.	25,292	6				3				
Colorado Springs, Colo.	38,965	13							2	2
Columbia, S. C.	35,165		3				1			
Concord, N. H.	22,858	17								
Connellsville, Pa.	15,876		1						2	
Corpus Christi, Tex.	10,789		1						1	4
Council Bluffs, Iowa.	31,838						1			
Covington, Ky.	59,623	15	4						2	1
Cranston, R. I.	26,773	0								
Cumberland, Md.	26,686	11	1				1		3	
Dallas, Tex.	129,738	25	5				2		9	
Danvers, Mass.	10,037	1								1
Danville, Ill.	32,969	8								2
Davenport, Iowa.	49,618						1			
Dayton, Ohio.	128,939	29	2				2		2	
Decatur, Ill.	41,483	6								
Dedham, Mass.	10,618	3	2							
Denver, Colo.	268,439	71	7	1			2			12
Des Moines, Iowa.	104,052						3			
Detroit, Mich.	619,648	219	43	5	3	1	41		52	16
Dover, N. H.	13,276	0								
Dubuque, Iowa.	60,096		1				1			
Duluth, Minn.	97,077	16	2		1		4		2	
Duquesne, Pa.	20,644		7		11		3		1	
Durham, N. C.	26,160	2					1			
East Chicago, Ind.	30,286	20		1						1
Easthampton, Mass.	10,656	1	1						2	1
Easton, Pa.	30,854					2			2	
East Orange, N. J.	43,761	6					1		2	
East Providence, R. I.	18,485		2						2	
East St. Louis, Ill.	77,312	10	3				1			
Elgin, Ill.	23,562	3							2	1
Elizabeth, N. J.	88,830		3				7		5	
Elkhart, Ind.	22,273	2					2			
Elmira, N. Y.	38,272	9	1						4	
El Paso, Tex.	69,149	21	2	2						6
Elwood, Ind.	11,028	8	2	1					2	2
Englewood, N. J.	12,603	4								
Erie, Pa.	76,592		14		1		7		3	
Eugene, Oreg.	14,257	4	2		1					

¹ Population Apr. 15, 1910.

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

**City Reports for Week Ended Sept. 11, 1920—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.
Eureka, Calif.	15,142	2								
Everett, Mass.	40,160	5	1		1		1			
Fairmont, W. Va.	16,111		1							
Fall River, Mass.	122,828	31	2		1	1			4	1
Fargo, N. Dak.	17,872	6								
Findlay, Ohio.	14,858	1								
Flint, Mich.	57,396	18	8				6			
Fond du Lac, Wis.	21,486						1			
Fort Scott, Kans.	10,564	3	2	2						
Fort Smith, Ark.	23,390		1						3	
Fort Wayne, Ind.	78,014	21	2				2			2
Fort Worth, Tex.	109,597		3				3			
Fostoria, Ohio.	10,969	3					3			
Freeport, Ill.	19,844	8								
Freemont, Nebr.	10,080	3								
Fremont, Ohio.	11,034	2								
Galesburg, Ill.	24,629	10								
Galveston, Tex.	42,659	7	1						1	1
Gardner, Mass.	17,534	2								
Gary, Ind.	55,000	11	2							1
Geneva, N. Y.	13,915	2					1			
Glens Falls, N. Y.	17,160	5								
Grand Rapids, Mich.	132,861	24	9				2		3	1
Great Falls, Mont.	13,948	7								
Greely, Colo.	11,942	2								1
Greenfield, Mass.	12,251	2								
Greensboro, N. C.	20,171	4								1
Greensburg, Pa.	13,881						4			
Greenwich, Conn.	19,594	4	1						1	1
Haekensack, N. J.	17,412	7							1	1
Hammond, Ind.	27,016	8	2				1			
Harrisburg, Pa.	73,276		3		2		1			
Harrison, N. J.	17,345		1						3	
Hartford, Conn.	112,851	27	6		2	1	5		4	
Haverhill, Mass.	49,180	8	3		1		1			
Hibbing, Minn.	17,550		3							
Hoboken, N. J.	78,324	12	1						1	2
Holyoke, Mass.	66,503	15	3							
Hudson, N. Y.	12,998	4								
Huntington, Ind.	10,982	19								1
Hutchinson, Kans.	21,461								1	
Independence, Mo.	11,964	5	1							
Indianapolis, Ind.	283,622	81	3				5		4	5
Ironton, Ohio.	14,079	1							1	1
Ipswood, Mich.	15,085		1			3	1			
Ishpeming, Mich.	12,448	1							1	
Ithaca, N. Y.	16,017	2								
Jamestown, N. Y.	37,431	12	2						1	1
Jersey City, N. J.	312,557		18		2		6		8	
Johnstown, Pa.	70,437		2							
Kalamazoo, Mich.	50,408	13	1		1				7	1
Kankakee, Ill.	14,270	1					1			
Kansas City, Kans.	102,096		5				2		2	
Kansas City, Mo.	305,816	91	6		1	1	1		2	8
Kearny, N. J.	24,325	3	1		1				1	
Keene, N. H.	10,725	3								
Kenosha, Wis.	32,833						1		1	
Kewanee, Ill.	13,607	3								
Knoxville, Tenn.	69,112		2				5		2	3
Kokomo, Ind.	21,929	7								
Lackawanna, N. Y.	16,219	2			4				1	
La Crosse, Wis.	31,833						2			
La Fayette, Ind.	21,481	4	1				1			
Lake Charles, La.	14,930	4								
Lancaster, Ohio.	16,086	2							1	1
Lancaster, Pa.	51,437		3							
La Salle, Ill.	12,332	3								
Lawrence, Kans.	13,477	3							4	1
Lawrence, Mass.	102,923	19	2		1				1	2
Leavenworth, Kans.	19,363	6							4	1
Leominster, Mass.	21,365	1	1		1				1	

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

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

## City Reports for Week Ended Sept. 11, 1920—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.
Lexington, Ky.....	41,997	15	1		1					2
Lincoln, Nebr.....	46,957	10							1	1
Little Rock, Ark.....	58,716		1				1			
Lockport, N. Y.....	20,028	5								1
Logansport, Ind.....	21,338	8					1			1
Long Beach, Calif.....	29,163	8					1		2	
Lorain, Ohio.....	38,266		1		1					
Los Angeles, Calif.....	535,485	138	16	1	10		9		31	20
Louisville, Ky.....	240,898	48	8				1		4	4
Lowell, Mass.....	114,386	30	2		8		1		3	4
Ludington, Mich.....	10,566	3								
Lynchburg, Va.....	33,497	10			1				1	
Lynn, Mass.....	104,534	15	2				2			1
McKeesport, Pa.....	48,299								1	
Macon, Ga.....	46,099	14	5							1
Madison, Wis.....	31,315		1				1		1	
Mahanoy City, Pa.....	17,709		1				1			
Malden, Mass.....	52,243	12	4				2		4	2
Manchester, N. H.....	79,607	20	2		2	1			1	1
Mankato, Minn.....	10,385	3					1		1	
Marinette, Wis.....	14,610								1	
Marion, Ind.....	19,923	9					1			2
Marquette, Mich.....	12,555	5							1	
Martins Ferry, Ohio.....	10,135	8								
Mason City, Iowa.....	14,938	1					1			
Meadville, Pa.....	13,968		1							
Medford, Mass.....	26,681	5			1		2			
Melrose, Mass.....	17,724	2								
Meriden, Conn.....	29,431								1	1
Methuen, Mass.....	14,320	4			1				1	1
Middletown, N. Y.....	15,890						4		1	
Middletown, Ohio.....	16,884	3							5	
Milwaukee, Wis.....	445,008	61	16	3	1		28			6
Minneapolis, Minn.....	373,448	74	7		1		9		16	9
Mishawaka, Ind.....	17,083	4	4	1					1	
Missoula, Mont.....	19,075	4								
Mobile, Ala.....	59,201	17	3		1					1
Monessen, Pa.....	23,070		3							
Montclair, N. J.....	27,087	5							1	
Montgomery, Ala.....	44,039	12	1							1
Morgantown, W. Va.....	14,444	1								
Moundsville, W. Va.....	11,513	4								
Mount Carmel, Pa.....	20,709		2						1	
Mount Vernon, N. Y.....	37,991	5							3	2
Muscatine, Iowa.....	17,713	3	1							
Nanticoke, Pa.....	23,811				2		1			4
Nashville, Tenn.....	118,136						3			4
Newark, N. J.....	418,789	72	5	1	1		3		24	6
New Bedford, Mass.....	121,622	20	1	1			3		11	6
New Britain, Conn.....	55,385	17	2	1						3
New Brunswick, N. J.....	25,855		2						1	
Newburyport, Mass.....	15,291	9								
New Castle, Pa.....	41,915								4	
New Haven, Conn.....	152,275	26	7				4		7	1
New London, Conn.....	21,199								2	
New Orleans, La.....	377,010	116	5		4	1			18	21
Newport News, Va.....	22,622	7								
Newport, R. I.....	30,585	4					2			
Newton, Mass.....	44,343	6			1		1			
New York, N. Y.....	5,737,492	1,090	83	4	13	1	33	3	211	108
Niagara Falls, N. Y.....	38,466	17	2	1	1		1		2	
Norfolk, Va.....	91,148		1				2			5
Norristown, Pa.....	31,969		3		1		2		1	
North Adams, Mass.....	22,019	2								
Northampton, Mass.....	20,006	10	2							
North Attleboro, Mass.....	11,248	1								
North Braddock, Pa.....	15,684						4			
North Little Rock, Ark.....	15,515	8	1		1					2
North Tonawanda, N. Y.....	14,060	0								
Norwalk, Conn.....	27,332	5								

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

<sup>2</sup> Pulmonary tuberculosis only.

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

City Reports for Week Ended Sept. 11, 1920—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.
Nerwich, Conn.....	21,923	3	2							
Norwood, Ohio.....	23,269	5	1				1			
Oakland, Calif.....	206,405	36	11				5		3	
Oak Park, Ill.....	27,816	6	4							
Ogdensburg, N. Y.....	16,845	5								
Oil City, Pa.....	20,162		1		11		2		2	
Oklahoma City, Okla.....	97,588	19	7				1		2	1
Olean, N. Y.....	16,927	3								
Omaha, Nebr.....	177,777	45	12	1			6			4
Orange, N. J.....	33,636	5	2						4	1
Oshkosh, Wis.....	36,549		1				2		1	
Paducah, Ky.....	25,178		1				1			
Parkersburg, W. Va.....	21,059	5								1
Parsons, Kans.....	15,952		1							
Pasadena, Calif.....	49,620	12								
Passaic, N. J.....	74,478	12	1	1	1				1	2
Paterson, N. J.....	140,512	3	3				1		4	
Pawtucket, R. I.....	60,866	11								1
Peebleskill, N. Y.....	19,034	5								
Pekin, Ill.....	10,973		1							
Peoria, Ill.....	72,184	24	1		2		5			3
Perth Amboy, N. J.....	42,646	8							1	
Petersburg, Va.....	25,817	13							1	3
Philadelphia, Pa.....	1,735,514	359	50	8	1		38		39	43
Phillipsburg, N. J.....	15,879	4								1
Pittsburgh, Pa.....	586,196		20		15		26		32	
Pittsfield, Mass.....	39,678	8			1				2	1
Pittston, Pa.....	18,975						1			
Plattsburg, N. Y.....	13,111	2								
Plymouth, Mass.....	14,001	6								
Plymouth, Pa.....	19,439									
Pontiac, Mich.....	18,066	14			1		1		1	1
Port Chester, N. Y.....	16,727	2								
Port Huron, Mich.....	118,863	6	1				2		1	
Portland, Me.....	64,720	35					2			1
Portland, Oreg.....	308,399	46	2		4		2		3	4
Portsmouth, N. H.....	11,730				1					
Portsmouth, Va.....	40,693	7	3		1				1	
Pottstown, Pa.....	16,987				1					
Pottsville, Pa.....	22,717		1				1		1	
Poughkeepsie, N. Y.....	30,796	7								
Providence, R. I.....	259,895	52	4	3	13		6	1	1	1
Pueblo, Colo.....	56,084	11	1		1					
Quincy, Ill.....	36,832	14								1
Quincy, Mass.....	39,022	11	3		1					1
Racine, Wis.....	47,465		2				2		4	
Rahway, N. J.....	10,361	2								
Raleigh, N. C.....	20,274	12	3		2					3
Reading, Pa.....	111,607	6			1					
Reno, Nev.....	15,514	3								
Richmond, Ind.....	25,080	7					1			
Richmond, Va.....	153,702	42	18				4		8	3
Riverside, Calif.....	20,496	5								1
Roanoke, Va.....	46,282	14	6				4			
Rochester, N. Y.....	264,714	65	13	2	1		7		19	5
Rockford, Ill.....	56,739	12	2						3	2
Rock Island, Ill.....	29,452	4								
Rocky Mount, N. C.....	12,673	5								
Rome, Ga.....	15,607		2						2	
Rome, N. Y.....	24,259	1			12				1	
Rutland, Vt.....	15,038	6								
Sacramento, Calif.....	68,984	16	2				3		5	1
Saginaw, Mich.....	56,460	20	2				1			1
St. Joseph, Mo.....	86,498	80	1				2			1
St. Louis, Mo.....	768,630	152	39	2	3		6		18	19
St. Paul, Minn.....	252,465	43	13	1	1		4		9	4
Salem, Mass.....	49,346	13		1			1			1
Salem, Oreg.....	21,274	4								
San Bernardino, Calif.....	17,616	3								
San Diego, Calif.....	56,412	25	2						4	2

1 Population Apr. 15, 1910.

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

City Reports for Week Ended Sept. 11, 1920—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.
Sandusky, Ohio.....	20,226	4					2			
Sanford, Me.....	11,217	2								
San Francisco, Calif.....	471,023	125	15	2	3	1	5	12	8	
Santa Barbara, Calif.....	15,360	4						2	1	
Santa Cruz, Calif.....	15,150	1								
Sault Ste. Marie, Mich.....	14,130	2					1			
Savannah, Ga.....	69,250	37	1					2	2	
Schenectady, N. Y.....	103,774	15			1	1	1		1	
Scranton, Pa.....	149,541		7		1		1	3		
Seattle, Wash.....	366,445		6				4			
Sharon, Pa.....	21,274		1				1			
Sharon, Pa.....	19,156						1			
Sheboygan, Wis.....	28,907				1		1			
Sioux Falls, S. Dak.....	16,887	6					3			
Somerville, Mass.....	88,618	13	1				1	3	1	
South Bend, Ind.....	70,967	15					3		2	
Spartanburg, S. C.....	21,985	6								
Springfield, Ill.....	62,623	11					1			
Springfield, Mass.....	108,663	27			1		7	7	4	
Springfield, Ohio.....	52,296	18	1					3	3	
Steubenville, Ohio.....	28,259	7	2				1			
Stillwater, Minn.....	10,198	2								
Stockton, Calif.....	36,209	9					1		1	
Superior, Wis.....	47,167	1	2				8	1		
Syracuse, N. Y.....	158,559	41	4		2		1	3	3	
Taunton, Mass.....	26,610	7								
Terre Haute, Ind.....	67,361	19							2	
Toledo, Ohio.....	202,010	50	5	1			7	1	7	
Topeka, Kans.....	49,538	5			1		3	4		
Trenton, N. J.....	113,974	42	3		1		1	2	4	
Trinidad, Colo.....	14,415						2			
Troy, N. Y.....	78,094	18						3		
Tucson, Ariz.....	17,324	7							1	
Tuscaloosa, Ala.....	10,874							1		
Uniontown, Pa.....	21,400		1							
Vallejo, Calif.....	13,803	1								
Vancouver, Wash.....	13,806						1			
Waco, Tex.....	34,015	11							1	
Waltham, Mass.....	31,011	6								
Washington, D. C.....	369,782	101	14	1	3		3	20	12	
Washington, Pa.....	22,076		1					1		
Waterbury, Conn.....	89,501	19	3				2	1	3	
Watertown, Mass.....	13,188	2						2		
Wausau, Wis.....	19,066	5					1			
West Chester, Pa.....	13,403						1	1		
Westfield, Mass.....	18,769	1	2							
West Hoboken, N. J.....	44,386	1						1		
West New York, N. J.....	16,613	1								
West Orange, N. J.....	13,964	2			2			3	1	
Wheeling, W. Va.....	43,657	9	1				3	2		
White Plains, N. Y.....	23,331	7					1			
Wichita, Kans.....	73,587	15	5					6	1	
Wilkes-Barre, Pa.....	78,334	7	7				1	3		
Wilkesburg, Pa.....	22,999				2		2			
Williamsport, Pa.....	34,123						2			
Wilmington, Del.....	95,369	27	2	1	1		1		1	
Wilmington, N. C.....	36,490	12	2					2	2	
Winchester, Mass.....	10,812	4								
Winston-Salem, N. C.....	33,136	12	3					1		
Winthrop, Mass.....	13,105	1					3			
Woburn, Mass.....	16,056	3								
Worcester, Mass.....	166,106	40	2	2	5			9	4	
Yonkers, N. Y.....	103,066	31	2					1	6	
York, Pa.....	52,770		5				2			
Zanesville, Ohio.....	31,350	9						1		

Population Apr. 15, 1910.

## FOREIGN AND INSULAR.

### YELLOW FEVER ON VESSEL.

#### Steamship "Haraldshaug"—Pensacola, Fla.

The steamship *Haraldshaug*, from Puerto Barrios, Guatemala, and Tampico and Vera Cruz, Mexico, arrived September 28, 1920, at Pensacola, Fla., with a case of yellow fever on board. The *Haraldshaug* left Habana, Cuba, August 27, for Tampico, remaining at dock at that port to September 5, and was at Vera Cruz September 11 and at Puerto Barrios September 24, 1920.

### CHILE.

#### Typhus Fever—Month of June, 1920.<sup>1</sup>

During the month of June, 1920, 419 cases of typhus fever, with 73 fatalities, occurring mainly in cities and towns, were notified in the Republic of Chile. The greatest number of cases was reported for the city of Santiago, viz, 155 cases, with 27 fatalities (population of Santiago stated in 1912 to be 332,700). The total number of cases remaining in Chile June 30, 1920, was 255.

### CHINA.

#### Cholera—Smallpox—Typhus Fever—Eastern Chinese Railway—Year, 1919.

During the year 1919, cases of cholera, smallpox, and typhus fever were reported at Harbin and other stations on the line of the Eastern Chinese Railway, as follows: Harbin—cholera, 603 cases; smallpox, 79 cases; typhus fever, 301 cases. At other stations on the railway line—cholera, 190 cases; smallpox, 109; typhus fever, 789. (Officially estimated total population of Harbin, 200,000.)

### CUBA.

#### Quarantine Against Puerto Mexico, Mexico.

Quarantine measures to prevent the importation of yellow fever were ordered September 17, 1920, at Cuban ports against arrivals from Puerto Mexico, Mexico.

### SYRIA.

#### Smallpox—Typhus Fever—February 11–August 26, 1920—Beirut.

Smallpox and typhus fever have been reported at Beirut, Syria, as follows:

*Smallpox*.—February 13–June 24, 1920: Cases, 282; deaths, 137. June 25–August 26, 1920: Cases, 162; deaths, 70.

*Typhus fever*.—February 13–June 24, 1920: Cases, 991; deaths, 509. June 25–August 26, 1920: Cases, 110; deaths, 52. (Population officially estimated, 75,000.)

<sup>1</sup>Public Health Reports, Sept. 10, 1920, p. 2188.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended Oct. 1, 1920.<sup>1</sup>**CHOLERA.**

Place.	Date	Cases.	Deaths.	Remarks.
<b>China:</b>				
Amoy.....	July 27-Aug. 14.....		6	
Canton.....	July 1-31.....	2	2	
Chungking.....	Aug. 8-14.....		620	
Harbin.....				
Shanghai.....	Aug. 7-22.....		2	Year 1919: Cases, 603. On Eastern Chinese R. R. line. At other stations, same line, 190 cases.
<b>Chosen (Korea):</b>				
Chemulpo.....	Aug. 1-26.....	1		
Chinnampo.....	do.....	23	23	
Fusan.....	do.....	649	280	
Mokpo.....	do.....	23	13	
Seoul.....	do.....	675	403	
<b>India:</b>				
Bombay.....	July 25-31.....	6	7	June 27-July 10, 1920: Deaths, 1,711.
Calcutta.....	do.....	33	33	
Madras.....	Aug. 8-14.....	1		
Rangoon.....	June 27-July 3.....	10	8	
<b>Japan:</b>				
Kobe.....	Aug. 24-30.....	69	56	July 25-31, 1920: Cases, 37; deaths, 18. Aug. 2-16, 1920: Cases, 83; deaths, 47.
Taiwan Island.....	July 22-Aug. 20.....	635	354	Formosa Island.
<b>Siam:</b>				
Bangkok.....	July 11-31.....	21	12	
<b>Straits Settlements:</b>				
Singapore.....	July 25-31.....	10	9	

**PLAGUE.**

<b>Brazil:</b>				
Bahia.....	July 18-31.....	4	1	
<b>Ceylon:</b>				
Colombo.....	Aug. 1-7.....	1	1	
<b>China:</b>				
Amoy.....	July 27-Aug. 14.....		4	
<b>Egypt:</b>				
Alexandria.....	Aug. 6-12.....	2	1	
Fiume.....	Sept. 21.....	4	1	
<b>Greece:</b>				
Piræus.....	Sept. 16-20.....	4		
Saloniki.....	Sept. 25.....	2		
<b>India:</b>				
Bombay.....	July 25-31.....	10	8	July 25-31, 1920: Cases, 986; deaths, 709.
Karachi.....	Aug. 8-14.....	1	1	
Madras Presidency.....	do.....	499	392	
Rangoon.....	June 27-July 3.....	23	15	
<b>Siam:</b>				
Bangkok.....	July 11-17.....	4	2	
<b>Straits Settlements:</b>				
Singapore.....	July 25-31.....	1	1	
<b>Turkey:</b>				
Constantinople.....	Aug. 15-21.....	4	3	

**SMALLPOX.**

<b>Azores:</b>				
St. Michael's.....	Aug. 21-27.....	1		From Madeira Island.
<b>Algeria:</b>				
Departments—				
Algiers.....	Aug. 11-20.....	8		
Constantine.....	do.....	3		
Oran.....	do.....	3		
<b>Brazil:</b>				
Bahia.....	July 18-31.....	3	2	
<b>Canada:</b>				
Ontario—				
Hamilton.....	Sept. 12-18.....	1		
Ottawa.....	Sept. 5-18.....	9		
Toronto.....	Aug. 29-Sept. 4.....	1		
Windsor.....	Sept. 5-11.....	2		
Saskatchewan—				
Essexton.....	do.....	1		

<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 Oct. 1, 1920—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	July 28-Aug. 7....	4		Aug. 8-14, 1920: Present.
Chungking.....	Aug. 8-14.....			Present.
Foochow.....	July 25-Aug. 7....			Do.
Harbin.....				Year, 1919: Cases, 79. On Eastern Chinese R. R. line. At other stations, 109 cases.
Murden.....	Aug. 8-21.....			Present.
Colombia:				
Santa Marta.....	Aug. 29-Sept. 4....			Present.
Egypt:				
Alexandria.....	Aug. 13-26.....	2		
Cairo.....	June 18-24.....	3	3	
Great Britain:				
Glasgow.....	Aug. 29-Sept. 4....	11		
India:				
Bombay.....	July 25-31.....	4	2	
Rangoon.....	June 27-July 3....	1		
Italy:				
Catania.....	Aug. 23-29.....	2		In Province, 21 cases.
Java:				
West Java.....				July 16-29, 1920: Cases, 12; deaths, 1.
Batavia.....	July 16-29.....	1		
Mexico:				
Salina Cruz.....	Aug. 1-31.....	1	1	
Newfoundland:				
Broad Cove.....	Sept. 4-10.....	1		
Portugal:				
Lisbon.....	Aug. 8-14.....		1	
Russia:				
Siberia—				
Vladivostok.....	July 1-31.....	2		
Spain:				
Barcelona.....	do.....		2	
Orense.....	Sept. 6.....			Province. Present.
Valencia.....	Aug. 23-Sept. 4....		1	
Vigo.....	Aug. 21-Sept. 4....		5	
Tunis:				
Tunis.....	Aug. 25-31.....		3	
Union of South Africa:				
Johannesburg.....	May 1-31.....	26		

**TYPHUS FEVER.**

Algeria:				
Departments—				
Algiers.....	Aug. 11-20.....	2		
Oran.....	do.....	4		
Chile:				
Santiago.....	June 1-30.....	155	27	June 1-30, 1920: Cases, 419; deaths, 73. Occurring in 11 localities.
China.....				Year 1919: At Harbin, 301 cases. On Eastern Chinese R. R. line. At other stations on line, 789 cases.
Egypt:				
Alexandria.....	Aug. 6-26.....	13	9	
Cairo.....	June 18-24.....	62	39	
Port Said.....	do.....		1	
Greece:				
Athens.....	July 15-21.....		3	
Saloniki.....	Aug. 16-22.....	13	2	
Guatemala:				
Guatemala City.....	Aug. 9-15.....		1	
Italy:				
Trieste.....	Aug. 15-28.....	41	5	
Russia:				
Riga.....	June 25-July 1....	20		
Siberia—				
Vladivostok.....	July 1-31.....	16	2	
Tunis:				
Tunis.....	Aug. 26-31.....	1		



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

### Reports Received During Week Ended Oct. 1, 1920—Continued.

#### YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Guatemala:				
Quirigua.....	Aug. 9-15.....			Present.
Virginia.....	Sept. 10.....	1		Station on railway from Puerto Barrios to Guatemala City, 45 miles from Puerto Barrios.
Mexico:				
Tampico.....	Sept. 17.....	1	1	Stated to have arrived from Tuxpam.
Tuxpam.....	Sept. 30.....		19	
Vera Cruz.....	Aug. 23-29.....		1	
Do.....	Sept. 12-26.....	23	21	
Do.....	Sept. 26.....	1	1	In person of Dr. J. A. Hedrick; U. S. Public Health Service.
Yucatan (State)—				
Hocoba.....	Sept. 8.....	8		In interior.
Hunucma.....	do.....	1	1	Do.
Sotuta.....	do.....	1	1	Do.
On vessel:				
S. S. Haraldshaug.....	Sept. 28.....	1		At Pensacola, Fla., from Puerto Barrios, Guatemala, and Tampico and Vera Cruz, Mexico.

### Reports Received from June 26 to Sept. 24, 1920.

#### CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Rio de Janeiro.....	June 27-July 3.....		1	
China:				
Amoy.....	June 20-July 24.....		6	
Chungking.....	May 16-24.....		1,319	
Do.....	June 6-Aug. 7.....		3,621	
Foochow.....	July 11-24.....			Present.
Hankow.....	July 4-17.....	12	5	
Shanghai.....	Aug. 2-8.....	1		
Chosen (Korea):				
Chemulpo.....	Sept. 8.....	2		Sept. 8, 1920: Cases, 13,000; deaths, 5,000 (estimated).
Chinnampo.....	Aug. 1-20.....	34	23	
Fusan.....	do.....	627	246	
Seoul.....	do.....	643	293	
Greece:				
Patras.....	July 26-Aug. 1.....			Present in surrounding country.
Zante.....	Aug. 2-8.....			Present.
India:				
Bombay.....	May 2-June 26.....	85	36	Apr. 11-May 22, 1920: Deaths, 7,549. May 30-June 12, 1920: Deaths, 1,486. June 13-26, 1920: Deaths, 2,224.
Do.....	June 27-July 24.....	71	45	
Calcutta.....	May 2-June 24.....	439	423	
Madras.....	May 2-June 26.....	20	13	
Do.....	July 11-Aug. 7.....	7	1	
Rangoon.....	July 4-24.....	11	8	
Indo-China:				
Saigon.....	Apr. 26-June 13.....	130	94	Report for May 9 not received.
Do.....	July 26-Aug. 1.....	4	1	
Japan:				
Kobe.....	June 14-27.....	36	24	Kobe, June 6-13, 34 cases. Moji, June 6-12, 10 cases. Kochi, June 6-12, 1 case. Hiroshima, June 6-12, 6 cases.
Do.....	June 28-Aug. 23.....	275	128	
Nagasaki.....	June 21-27.....	7		
Do.....	June 28-July 18.....	34	13	
Osaka.....	do.....			
Taiwan Island.....	May 22-June 20.....	60	33	
Do.....	July 11-20.....	10	6	
Java:				
West Java—				
Batavia.....	Apr. 30-June 3.....	6	2	June 4-17: Present.
Do.....	June 25-July 15.....	2		
Philippine Islands:				
Manila.....	May 9-June 26.....	5	1	May 9-June 26, 1920: Cases, 16; deaths, 12. June 27-July 17, 1920: Cases, 63; deaths, 31.
Do.....	June 27-July 10.....	3		
Provinces—				
Albay.....	May 9-15.....	2	1	
Batangas.....	June 27-July 3.....	1		
Bohol.....	do.....	1	1	

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

**Reports Received from June 26 to Sept. 24, 1920—Continued.**

**CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Philippine Islands—Continued.</b>				
<b>Provinces—Continued.</b>				
Cagayan.....	May 9-June 26....	11	19	
Do.....	June 27-July 10....	35	9	
Iloilo.....	June 27-July 17....	3		
Isabela.....	July 11-17.....	5	5	
Laguna.....	July 4-10.....	8		
Misamis.....	July 11-17.....	4	2	
Pangasinan.....	July 4-17.....	6	4	
Russia.....				Reported prevalent in southern Russia, June 4, 1920.
Sebastopol (district).....	June 20.....			Reported increasing.
<b>Siam:</b>				
Bangkok.....	Apr. 25-June 26....	542	343	
Do.....	June 26-July 10....	18	4	
<b>Straits Settlements:</b>				
Singapore.....	July 18-24.....	2	2	
<b>Turkey:</b>				
Amassia.....	Dec. 24.....	1		Asiatic Turkey.
Kaiseri.....	Dec. 22.....	1		Do.
Karassi.....	Jan. 3.....	1		Do.
Mamuret-ul-Aziz.....	Dec. 31.....	1	1	Do.
Panderma.....	Dec.-Jan.....	16	6	
Rodosto.....	Dec. 29.....	1		European Turkey.
Smyrna.....	Dec. 22.....	3	2	Asiatic Turkey.
<b>On vessel:</b>				
S. S. Keketticut.....	Aug. 2.....	1		U. S. S.; at Shanghai.

**PLAGUE.**

<b>Brazil:</b>				
Bahia.....	Apr. 25-May 22....	8	2	
Do.....	June 27-July 17....	4	3	
Pernambuco.....	May 3-9.....	1	1	
Do.....	June 23-July 25....	11	10	
Porto Alegre.....	June 27-July 10....		1	
<b>British East Africa:</b>				
Kisumu.....	Apr. 25-June 26....	14	12	Apr. 1-30, 1920: Cases, 22; deaths, 9.
Do.....	July 11-Aug. 7.....	4	4	
Mombasa.....	Apr. 25-June 26....	104	39	
Do.....	June 27-July 31....	50	47	
Nairobi.....	Apr. 25-June 10....	14	8	
<b>Ceylon:</b>				
Colombo.....	May 25-June 12....	7	2	
Do.....	June 27-July 21....	9	9	
<b>Chile:</b>				
Antofagasta.....	May 17-June 25....	5		Mar. 1-May 31, 1920: Cases, 15; deaths, 2. Plague reported in Departments of Tacna and Tarata.
Do.....	July 5-11.....	1		Mar. 1-May 31, 1920: Cases, 7; deaths, 1.
Iquique.....	Mar. 1-May 31....	8	1	
<b>China:</b>				
Amoy.....	June 20-July 24....		2	
Hongkong.....	Apr. 4-June 26....	90	70	
Do.....	June 27-July 31....	21	18	
<b>Egypt:</b>				
<b>Cities—</b>				
Alexandria.....	June 19-Aug. 5....	8	6	
Port Said.....	Aug. 2.....	1		
Suez.....	May 13-June 8....	12	6	3 cases pneumonic.
Do.....	July 3-Aug. 4....	4	3	
<b>Provinces—</b>				
Assiout.....	May 15-June 5....	7	4	
Do.....	July 2-14.....	6		
Beni-Souef.....	July 7-10.....	2	1	
Fayoum.....	June 5.....	1		
Garbieh.....	.....do.....	1		
Do.....	July 1-12.....	14	10	
Keneh.....	May 18.....	1		
Mariut.....	May 18-June 8....	19	22	
Do.....	July 3-9.....	1	2	
Minieh.....	May 15.....	2	1	Septicemic.
Do.....	July 13.....	1		

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

### Reports Received from June 26 to Sept. 24, 1920—Continued.

#### PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain: Liverpool.....	June 20-26.....	1	1	
Greece:				
Athens.....	Aug. 19-25.....	2	2	
Dante.....	July 22.....	2	2	
Kavalla.....	July 5-Aug. 21.....	3	2	
Nauplia.....	Aug. 21.....	2	2	
Piræus.....	June 29-Aug. 26.....	8	1	Approximately 20 cases, Sept. 9.
Zante.....				Do.
India:				Apr. 18-June 26, 1920: Cases, 12,476; deaths, 9,961. June 27-
Bombay.....	Apr. 18-June 26.....	152	124	July 24, 1920: Cases, 2,688; deaths, 2,030.
Do.....	June 27-July 24.....	19	15	
Calcutta.....	May 2-June 12.....	26	19	
Karachi.....	May 9-July 24.....	64	57	
Madras Presidency.....	May 9-Aug. 7.....	1,892	1,294	
Rangoon.....	Apr. 25-June 26.....	120	112	
Do.....	July 4-24.....	92	86	
Indo-China:				
Saigon.....	May 10-June 13.....	9	2	
Do.....	July 26-Aug. 1.....	1	1	
Italy:				
Catania.....	June 22-July 3.....	3	2	
Java:				
East Java.....				Apr. 23-May 5, 1920: Cases, 7; deaths, 7. Apr. 15-June 16,
West Java—Batavia.....	Aug. 2-8.....	5	5	1920: Cases, 8; deaths, 8, Surabaya Residency.
Mesopotamia:				
Bagdad.....	June 1-30.....	6	3	
Mexico:				
Tampico.....	July 20-Aug. 16.....	3	3	
Vera Cruz.....	June 14-20.....	11	1	May 29-July 24, 1920: Cases, 49; deaths, 29. Corrected statement: From outbreak in May to July 20, 1920—cases, 58; deaths, 36.
Do.....	July 18-24.....	2	2	
Peru:				Mar. 1-31, 1920: Cases, 46; deaths, 29. Apr. 1-30, 1920: Cases, 36, deaths, 13. In coastal departments.
Callao.....	Mar. 1-31.....	6	3	
Do.....	Apr. 1-30.....	9	4	
Lima (city).....	Mar. 1-31.....	5	3	
Do.....	Apr. 1-30.....	4	4	
Lima (country).....	Mar. 1-31.....	1	1	
Do.....	Apr. 1-30.....	1	1	
Mollendo.....	Mar. 1-31.....	13	9	
Paita.....	.....do.....	5	2	
Do.....	Apr. 1-30.....	2	2	
Salaverry.....	Mar. 1-31.....	4	3	
Do.....	Apr. 1-30.....	1	1	
San Pedro.....	.....do.....	6	1	
Trujillo.....	May 31-June 29.....	3	2	
Siam:				
Bangkok.....	Apr. 25-June 5.....	8	5	
Do.....	June 28-July 3.....	1	1	
Straits Settlements:				
Singapore.....	Apr. 25-June 19.....	14	13	
Do.....	July 11-17.....	1	1	
Syria:				
Beirut.....	June 30.....			Present.
Turkey:				
Constantinople.....	July 25-31.....	3	2	
Uruguay:				
Montevideo.....	June 1-30.....	1	1	

#### SMALLPOX.

Algeria:				
Departments—				
Algiers.....	May 11-July 31.....	45		City of Algiers, Apr. 1-30, 1920: One case. July 1-31, 1920: Cases, 3; deaths, 2.
Constantine.....	June 1-July 31.....	16		
Oran.....	May 11-Aug. 10.....	158		
Austria.....				May 30-June 26, 1920: Cases, 27.
Vienna.....	May 30-June 26.....	1		
Azores:				
Ponta Delgada.....	July 17-Aug. 20.....	7		

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

**Reports Received from June 26 to Sept. 24, 1920—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Bolivia:				
La Paz.....	May 2-31.....	6	8	
Brazil:				
Bahia.....	Apr. 25-June 26 ..	5	5	
Do.....	June 27-July 3 ..	1		
Pernambuco.....	Mar. 29-June 27 ..	114	3	
Do.....	June 30-July 25 ..	64	2	
Rio de Janeiro.....	Apr. 11-June 26 ..	31	6	
Do.....	June 27-July 24 ..	30	4	
Santos.....	Mar. 24-28.....	1		
Sao Paulo.....	June 21-27.....		1	
Do.....	June 27-July 4.....		1	
British East Africa				
Mombasa.....	May 2-22.....	2	1	Mar. 1-31, 1920: Cases, 107; Apr. 1-30, 1920: Cases, 69. Reported by native inspectors.
Do.....	July 11-17.....	3		
Nairobi.....	May 23-June 26 ..	11	1	
Do.....	Aug. 1-7.....	4		
Bulgaria:				
Soňa.....	July 11-17.....	1		
Canada:				
Alberta—				
Calgary.....	June 3-9.....	1		
Do.....	July 4-Aug. 7.....	5		
British Columbia—				
Vancouver.....	May 16-July 10.....	3		
Manitoba—				
Winnipeg.....	May 29-June 5.....	3		
Do.....	Aug. 8-21.....	2		
New Brunswick—				
Bona venture and Gaspé Counties.	Aug. 1-31.....	1		
Gloucester County.....	May 31-June 26 ..	5		
Campbelltown.....	July 1-31.....	7		
Queens County.....	July 4-Aug. 21.....	7		
Nova Scotia—				
Halifax.....	do.....	2		
Sydney.....	May 31-June 26.....	2		
Ontario—				
Cornwall.....	June 25-30.....	2		
Fort William.....	July 25-Aug. 14 ..	2		
Hamilton.....	June 13-Aug. 7.....	3		
Kingston.....	May 31-June 19 ..	4		
North Bay.....	June 23-29.....	1		
Do.....	July 11-Aug. 28 ..	5		
Ottawa.....	June 6-26.....	32		
Do.....	June 27-Sept. 4 ..	43		
Peterborough.....	Apr. 18-July 31.....	33	1	
Port Arthur.....	July 11-17.....	2		
Prescott.....	do.....	1		
Do.....	Aug. 1-14.....			
Toronto.....	Aug. 6-19.....	13		Present at Cardinal and Brockville.
Do.....	June 26-Aug. 21 ..	24		
Windsor.....	Aug. 22-28.....	3		
Prince Edward Island—				
Charlotte Town.....	Aug. 12-18.....	1		
Quebec—				
Montreal.....	June 13-19.....	1		
Do.....	July 4-Aug. 7.....	4		
Quebec.....	June 27-Aug. 28 ..	6		
Saskatchewan—				
Moosejaw.....	June 26-30.....	6		
Do.....	July 25-Aug. 7.....	1		
Regina.....	June 26-30.....	1		
Ceylon:				
Colombo.....	May 9-June 5.....	2		
Chile:				
Anto'agasta.....	May 17-23.....			1 case in interior.
China:				
Amoy.....	May 2-July 3.....		12	
Antung.....	May 9-June 13 ..	3	3	
Do.....	June 21-27.....	1		
Chungking.....	May 2-June 5.....			Present.
Do.....	July 11-24.....			Do.
Foochow.....	May 9-29.....			Do.
Hankow.....	June 20-26.....	2		
Hongkong.....	Apr. 4-June 26 ..	19	15	
Do.....	June 27-July 17 ..	2	2	

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

Reports Received from June 26 to Sept. 24, 1920—Continued.

## SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>China—Continued.</b>				
Mukden.....	July 19-25.....	.....	.....	Present.
Nanking.....	May 9-June 5.....	.....	.....	Do.
Do.....	July 4-Aug. 7.....	.....	.....	Do.
Tientsin.....	May 25-31.....	2	.....	.....
Do.....	June 13-19.....	2	.....	.....
Tsinanfu.....	May 9-15.....	1	.....	.....
<b>Chosen (Korea):</b>				
Chemulpo.....	Mar. 1-June 30.....	69	40	.....
Fusan.....	do.....	24	6	.....
Seoul.....	do.....	358	86	.....
<b>Colombia:</b>				
Barranquilla.....	May 16-July 3.....	.....	.....	Epidemic.
Santa Marta.....	May 31-Aug. 28.....	.....	.....	Present.
<b>Cuba:</b>				
Antilla.....	Aug. 24-30.....	1	.....	.....
Habana.....	July 4.....	1	.....	From steamship Frank Hennis from Jamaica. Arrived Santiago June 30, 1920.
Matanzas.....	Aug. 15-21.....	1	1	In vicinity, at Aguacate, Aug. 1-7, 1920: Cases, 12.
<b>Cyprus.....</b>				
August, 1919: Cases, 242; deaths, 54.				
<b>Czechoslovakia:</b>				
Mcravia.....	Feb. 1-28.....	68	.....	.....
Danzig.....	June 20-July 17.....	9	2	.....
<b>Egypt:</b>				
Alexandria.....	May 14-June 29.....	53	19	.....
Do.....	June 25-July 15.....	9	3	.....
Cairo.....	Apr. 2-June 17.....	59	20	.....
Port Said.....	do.....	22	8	.....
<b>France:</b>				
Brest.....	May 15-21.....	1	.....	.....
Cette.....	June 24-30.....	.....	1	.....
Nice.....	June 1-30.....	.....	1	.....
Paris.....	May 1-10.....	3	.....	.....
<b>Germany.....</b>				
Feb. 22-June 12, 1920: Cases, 721.				
<b>Great Britain:</b>				
Glasgow.....	May 25-June 26.....	126	22	.....
Do.....	July 4-Aug. 28.....	161	40	.....
Liverpool.....	July 18-24.....	1	.....	.....
London.....	June 13-July 10.....	14	.....	.....
<b>Greece:</b>				
Saloniki.....	May 31-June 27.....	4	1	.....
Do.....	July 25-Aug. 15.....	1	1	.....
<b>India.....</b>				
Apr. 11-May 22, 1920: Deaths, 7,743. May 30-June 26, 1920: Deaths, 3,864.				
Bombay.....	Apr. 26-June 26.....	103	45	May 9-15, 1920: Cases, 26; deaths, 11.
Do.....	June 27-July 24.....	25	5	.....
Calcutta.....	May 2-June 12.....	101	93	.....
Do.....	July 18-24.....	7	7	.....
Karachi.....	May 9-June 26.....	15	12	.....
Do.....	June 27-July 10.....	7	4	.....
Madras.....	May 9-June 26.....	27	15	.....
Do.....	June 27-Aug. 7.....	26	7	.....
Rangoon.....	Apr. 25-June 26.....	35	14	.....
Do.....	July 4-24.....	16	3	.....
<b>Indo-China:</b>				
Salgon.....	May 19-16.....	7	2	.....
Do.....	June 7-13.....	5	1	.....
<b>Italy:</b>				
Catania.....	July 12-Aug. 22.....	25	.....	Aug. 9-15, 1920; 30 cases in vicinity.
Genoa.....	May 17-23.....	12	.....	In Province.
Do.....	June 14-27.....	20	.....	.....
Do.....	June 28-July 4.....	3	.....	.....
Messina.....	May 10-June 27.....	7	1	Province, May 10-June 27: Cases, 168; deaths, 27.
Do.....	June 28-July 11.....	1	1	Province: Cases, 9; deaths, 3.
Milan.....	Mar. 1-May 31.....	30	5	.....
Naples.....	May 23-June 20.....	7	3	.....
Pelermo.....	May 11-Aug. 5.....	47	3	.....
Turin.....	June 28-July 4.....	1	.....	.....

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

**Reports Received from June 26 to Sept. 24, 1920—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Jamaica:				
Kingston.....	July 22.....			Present.
Japan:				
Kobe.....	May 9-June 27.....	10	5	
Do.....	June 28-July 18.....	7	2	
Taiwan Island.....	May 1-June 20.....	40	11	
Do.....	June 21-July 20.....	14	8	
Tokyo.....	Apr. 21-May 10.....	5	4	
Java:				
West Java.....				Apr. 16-June 24, 1920: Cases, 56;
Batavia.....	Apr. 16-June 17.....	94	26	deaths, 10. June 25-July 1,
Do.....	July 9-15.....	3	1	1920: Cases, 6.
Jugo-Slavia.....				Feb. 1-June 12, 1920: Cases, 2, 404;
				deaths, 535.
Madeira:				
Funchal.....	June 23-26.....		2	
Do.....	July 18-24.....			Present.
Malta.....	May 1-June 30.....		3	
Manchuria:				
Mukden.....	May 2-8.....			Do.
Mexico:				
Ciudad Juarez.....	Aug. 2-8.....	1		
Guadalajara.....	May 1-31.....	1		
Do.....	July 1-31.....	3		
Iaredo.....	July 30.....	2		
Mazatlan.....	May 19-25.....		1	
Salina Cruz.....	June 1-30.....	5	3	
San Luis Potosi.....	May 31-June 6.....		1	
Do.....	June 28-Aug. 22.....		6	
Tampico.....	July 1-31.....		5	
Newfoundland:				
St. Johns.....	June 5-11.....	3		Reported at 2 other localities.
Shoal Harbor.....	July 10-16.....	7		July 3-16: Present at 4 localities.
Poland.....				Jan. 1-31, 1920: Cases, 1,895;
Minsk District.....	Jan. 1-31.....	1,052	228	deaths, 301.
Porto Rico:				
Caguas.....	Aug. 9-15.....	1		
Pertugal:				
Lisbon.....	May 16-June 28.....		8	
Do.....	June 27-July 31.....		10	
Russia:				
Riga.....				May, 1920: Cases, 5. June, 1920:
Vladivostok.....	Jan. 1-June 30.....	252	78	Cases, 7.
Spain:				
Barcelona.....	May 19-June 12.....		4	
Do.....	June 18-Aug. '18.....		12	
Corunna.....	July 16-29.....		1	
Valencia.....	May 23-June 26.....	15	3	
Do.....	July 4-Aug. 14.....	9	3	
Vigo.....	May 31-June 26.....		4	
Do.....	July 18-24.....		1	
Switzerland:				
Geneva.....	May 9-15.....	7		
Tunis:				
Tunis.....	May 25-June 27.....	6	5	
Do.....	June 28-Aug. 24.....	21	4	
Turkey:				
Constantinople.....	May 16-June 19.....	7		
Do.....	June 20-July 31.....	5		

**TYPHUS FEVER.**

Algeria:				
Departments—				
Algiers.....	May 11-July 31.....	38		
Constantine.....	May 21-July 31.....	19		
Oran.....	May 11-July 31.....	344		
Austria.....				Feb. 15-June 26, 1920: Cases, 67.
Vienna.....	Feb. 15-June 26.....	65		
Bolivia:				
La Paz.....	May 2-31.....		5	
Brazil:				
Ceara.....	Apr. 25-June 12.....		4	
Do.....	July 17-24.....		2	

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

Reports Received from June 26 to Sept. 24, 1920—Continued.

## TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Bulgaria: Sofia.....	June 20-25.....	2		
Chile.....				March, 1920: Cases, 409, deaths, 72. April, 1920: Cases, 208; deaths, 49. May, 1920: Cases, 312; deaths, 50.
Antofagasta.....	July 5-11.....			Present.
Caleta Coloso.....	May 10-16.....		2	
Concepcion.....	Mar. 8-June 28.....	31	39	
Do.....	June 29-July 12.....	37	5	
Santiago.....	Mar. 1-May 31.....	315	59	
Valparaiso.....	May 2-July 17.....		50	
China: Antung.....	July 12-Aug. 8.....	7		Report week ended July 31, 1920, not received.
Chosen: Chemulpo.....	June 1-30.....	3		
Seoul.....	Mar. 1-Apr. 30.....	4	1	
Czechoslovakia: Leipnik.....	Feb. 22-28.....	1		Feb. 1-28, 1920: Cases, 88; deaths, Quarantine station.
Danzig.....	June 20-26.....	1		Feb. 27-Mar. 27, 1920: Cases, 16.
Do.....	July 25-31.....	1	1	
Egypt: Alexandria.....	May 7-June 24.....	338	86	
Do.....	June 25-Aug. 5.....	125	50	
Cairo.....	Apr. 2-June 17.....	605	331	
Port Said.....	Apr. 9-May 13.....	112	52	
Germany.....				Feb. 22-Mar. 27, 1920: Cases, 23. Among troops, 4; among persons from Poland, 8. Mar. 28-June 26, 1920: Cases, 96.
Great Britain: Dublin.....	May 23-June 19.....	3	1	
Dundee.....	July 4-10.....	1		
Glasgow.....	May 30-June 5.....		1	
Queenstown.....	Aug. 1-7.....	1		
Greece: Athens.....	June 27-July 3.....		2	
Drama.....	July 12-18.....	1		
Patras.....	June 29-July 4.....		1	
Piræus.....	June 29-July 5.....		1	
Saloniki.....	Apr. 12-27.....	384	42	
Do.....	June 28-Aug. 8.....	97	35	
Hungary: Budapest.....	Jan. 10-May 23.....	27		Jan. 19-May 29, 1920: Cases, 50.
Italy: Catania.....	July 10-17.....	3		
Trieste.....	May 16-22.....	5		
Do.....	June 13-Aug. 14.....	65	9	
Japan: Kobe.....	Aug. 17-23.....	7		
Nagasaki.....	May 25-30.....	1		
Do.....	June 21-27.....	1		
Java: East Java— Surabaya.....	June 10-16.....	1		
West Java— Batavia.*.....	May 28-June 30.....	5	1	
Jugo-Slavia.....				Feb. 1-June 12, 1920: Cases, 678; deaths, 85.
Mexico: Chihuahua.....	May 31-June 6.....		1	
Nogales.....	Aug. 9-14.....	2		
San Luis Potosi.....	June 8-July 8.....			Present.
Do.....	July 2-Aug. 15.....		2	
Poland.....				Jan. 1-Mar. 31, 1920: Cases, 87,910; deaths, 19,733.
Warsaw.....				Jan. 1-Feb. 29, 1920: Cases, 911; deaths, 117.
Serbia.....				Mar. 14-Apr. 10, 1920: Cases, 181; deaths, 23.
Portugal: Oporto.....	Apr. 4-June 24.....	15	6	
Siberia: Vladivostok.....	May 1-31.....	22		Jan. 1-Apr. 30, 1920: Cases, 1,264; deaths, 144.

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

**Reports Received from June 26 to Sept. 24, 1920—Continued.**

**TYPHUS FEVER—Continued.**

Spain:			
Barcelona.....	July 9-15.....		1
Madrid.....	June 1-30.....		1
Switzerland:			
Geneva.....	June 28-July 4.....	1	
Tunis:			
Tunis.....	May 24-June 27.....	36	18
Do.....	July 6-12.....		1
Turkey:			
Constantinople.....	May 16-June 12.....	27	
Do.....	June 19-July 19.....	15	
Venezuela:			
Maracaibo.....	July 21-27.....		1

**YELLOW FEVER.**

Brazil:				
Bahia.....	May 23-June 19.....	1		
Colombia:				
Buenaventura.....	June 3.....	1	1	
Guatemala:				
Los Amates.....	Aug. 5-Sept. 1.....	10	3	Aug. 17: Present at several localities. Aug. 5-23, 1920: Cases, 8; deaths, 6.
Mexico: <sup>1</sup>				
Progreso.....	July 30.....	1		
Do.....	Aug. 4-18.....	4	2	July 30-Aug. 18, 1920: Cases, 5; deaths, 3.
Puerto Mexico.....	Aug. 24-27.....	1	1	Case arrived Aug. 23 on s. s. Melchor Ocampo from Progreso. Previously reported, P. H. R., Sept. 10, 1920.
Tuxpam.....	Sept. 1.....		2	Aug. 26-Sept. 1, 1920: Cases, 5; deaths, 5.
Vera Cruz.....	June 22.....		2	
Do.....	July 19-Sept. 4.....	41	19	
Peru.....				Mar. 1-31, 1920: Cases, 128. Apr. 1-30, 1920: Cases, 64.
Callao.....	Apr. 1-30.....	1		At quarantine station. From s. s. Huallaga.
Catacaos.....	Mar. 1-31.....	14		
Do.....	Apr. 1-30.....	2		
La Huaca.....	Mar. 1-31.....	9		
Do.....	Apr. 1-30.....	5		
Morropon.....	do.....	37		
Munuella.....	Mar. 1-31.....	12		
Paita.....	do.....	81		
Do.....	Apr. 1-30.....	14		
Piura.....	Mar. 1-31.....	1		
Do.....	Apr. 1-30.....	4		
Salitral.....	Mar. 1-31.....	2		
Sullana.....	do.....	9		
Do.....	Apr. 1-30.....	1		
Salvador:				
Armenia.....	June 20-26.....	1	1	
San Salvador.....	Aug. 1-21.....	6	2	Fatal cases were in Europeans.
Sonsonate.....	May 22-June 24.....	49	17	
On vessel:				
S. S. Soestdijk.....	Sept. 11.....	1	1	At Quarantine, La.

<sup>1</sup> One case of yellow fever was erroneously reported as occurring at Tampico during the period Aug. 10-16. According to later information, yellow fever had not appeared at Tampico at that date.