

# PUBLIC HEALTH REPORTS

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## ILLINOIS COURSE FOR COMMUNITY NURSES.

The Illinois State Departments of Public Health and Public Welfare, in cooperation with the Illinois Tuberculosis Association and other State and local health and welfare agencies, have arranged a supplementary training course for public health nurses.

The course is open to graduate registered nurses from any State, and to social workers and others who have been engaged in welfare work and can show their fitness or adaptability. Applicants must agree to engage in public-service nursing in Illinois upon the completion of the course. They must be in good health and not less than 23 years of age. The class is limited to 15 members. There are no fees or charges, but the nurse must defray her traveling and living expenses while in training.

The course, covering a period of about 10 weeks, consists of didactic work and field work under supervision in various small communities in Illinois where efficient public health service nursing is being carried out. The general schedule is as follows:

1. Field work in small communities, three weeks.
2. Didactic instruction at Springfield, two weeks.
3. An inspection trip to the Lincoln State farm and colony for the feeble-minded, one day.
4. Personally conducted visit to the State School for the Blind, the School for the Deaf and Dumb, and the Hospital for the Insane at Jacksonville, three days.
5. Field work in smaller communities, three weeks.
6. General review covering a period of one week at Springfield, with visits to public health laboratories, jails, juvenile courts, child-welfare stations, sanatoria, etc.

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## CONTROL OF DISEASES IN ESTABLISHMENTS FOR THE MANUFACTURE AND LOADING OF HIGH EXPLOSIVES.

The following report was adopted at a conference between munition manufacturers and the Divisional Committee on Industrial Diseases, Poisons, and Explosives. The committee was from the section on

sanitation of the Welfare Committee of the Committee on Labor of the Advisory Commission, Council of National Defense.

This report is published by permission of Mr. Samuel Gompers, chairman of the Committee on Labor.

The report was adopted at a meeting in New York City, December 1, 1917. The manufacturers present—and they constituted the greater part of the industry—agreed without exception to adopt the rules and regulations in the report as the practice of their establishments.

The Divisional Committee on Industrial Diseases, Poisons, and Explosives was composed as follows:

Dr. W. G. HUDSON, Chairman.....	E. I. du Pont de Nemours Co., Wilmington, Del.
Dr. R. P. ALBAUGH.....	Columbus, Ohio.
Dr. GEORGE APFELBACH.....	Chicago, Ill.
Dr. LEWIS BOOKER.....	New Castle, Del.
Col. LEWIS T. BRYANT.....	Trenton, N. J.
Dr. ALICE HAMILTON.....	Hull House, Chicago.
	Bureau of Labor, Washington.
Dr. E. R. HAYHURST.....	College of Medicine, Columbus, Ohio.
Dr. F. D. PATTERSON.....	Chief of Division, Department of Labor and Industry, Harrisburg, Pa.
Dr. J. W. SCHERESCHEWSKY.....	Assistant Surgeon General, United States Public Health Service.
Dr. W. GILMAN THOMPSON.....	61 West Forty-ninth Street, New York City.
Dr. B. S. WARREN.....	Assistant Surgeon General, United States Public Health Service.

In all factories where nitration is carried on and in which poisonous nitro and amido compounds are manufactured or handled, the following general rules shall <sup>1</sup> apply in those departments where such processes are carried on.

#### 1. Ventilation.

In any buildings where poisonous gases or vapors are produced in such amounts as to be deemed a menace to the safety or health of employees working therein, sufficient <sup>2</sup> ventilation for the health of the occupants shall be provided.

#### 2. Prevention of Dust.

No undue accumulation of dust shall be permitted on workbenches or floor, or other surfaces within the workroom. All workers shall be cautioned that they shall take care in shovelling, scooping, etc., not to produce excessive dust. Grinding, sifting, screening, and packing dry compounds shall be done, as far as practicable under cover, and when this is not practicable, special protection for the workers shall be provided, or the dust shall be removed by exhaust at the point of origin.

<sup>1</sup> The use of the word "shall" in these rules does not carry with it the implication that they are imposed by any authority. The adoption of the regulations has been agreed upon by representatives of the employers concerned in conference with the committee.

<sup>2</sup> A separate report upon "Ventilation" is being prepared.

Floors shall be smooth and easily cleaned, and shall be carefully swept by soft brooms, and where practicable, moist sweeping is recommended. Vacuum cleaning methods were carefully considered by the committee and such methods are recommended for use only in buildings where no explosives or substances that may explode are handled.

### 3. Drinking Water.

The drinking-water supply of industrial establishments shall conform, from a bacteriological standpoint, to the United States Treasury Department's regulations.

(a) The common drinking cup is prohibited.

(b) Ice used for cooling purposes shall be applied in such a manner that the ice itself will not come in contact with the drinking water, and the water from the melting ice shall not become mixed with the drinking water.

(c) Drinking water or faucets shall be of such design and construction as to obviate the direct application of the lips to the water outlet.

(d) Water receptacles shall be thoroughly cleansed weekly and then sterilized with steam or with boiling water.

(e) Employees engaged in the care and maintenance of drinking facilities shall be determined, by physical examination, to be free from communicable diseases.

### 4. Washing Facilities.

There shall be provided by the employer without expense to the employee 1 wash basin for every 5 persons up to 100 on a shift; 1 wash basin for every 8 persons between 100 and 500 on a shift and where there are over 500 persons on a shift, the wash basins shall be one for every 10 persons on a shift.

Or, there shall be 2 feet of trough<sup>1</sup> for every 5 persons up to 100 on a shift, 2 feet of trough for every 8 persons up to 500 on a shift, and where there are over 500 persons on a shift there shall be 2 feet of trough for every 10 persons. Where double-sided troughs are used, half the above trough space shall apply.

Where there are 90 persons or less on a shift, there shall be 1 shower for every 15 persons; 90 to 500 persons on a shift, there shall be 1 shower for every 20 persons; 500 to 1,000 persons on a shift there shall be 1 shower for every 25 persons; and when there are 1,000 to 5,000 persons on a shift there shall be one shower for every 30 persons.

There shall be provided hot and cold water, soap, and fabric or paper towels.

<sup>1</sup> It is recognized that where the trough is used, there should be flowing water and no stoppers. It is the part of wisdom to provide one faucet for every five persons. In practice it has been found that shower baths may be substituted in part for such faucets.

### 5. Change House or Locker Room Facilities.

Facilities for hanging and storing both working and street garments shall be provided so that they shall not come in contact with each other nor with the garments of others.

### 6. Eating Facilities.

No food shall be kept or eaten in a room in which the dust or the fume of poisonous nitro and amido compounds are present. To the extent to which proper facilities for eating meals are not available within one-half mile of the works, the employers shall provide such facilities without cost to the workmen. No process worker shall be allowed to go out for lunch or to eat his or her lunch on the premises without first washing his or her hands and, if necessary, washing his or her face.

### 7. Clothing.

The employer shall pay 50 per cent of the cost of purchase, and maintain in reasonably good condition for all workers in poisonous nitro and amido compounds, suitable overalls or other working clothes, which are to be washed or renewed at least once a week.

Process workers in poisonous nitro or amido compounds shall be advised in a language which they can understand that they will not be permitted to wear their working clothing home.

### 8. Gloves.

The employer shall pay 50 per cent of the cost of purchase and maintain in reasonably good condition for all workers in poisonous nitro or amido compounds gloves of rubber, leather, or canvas.<sup>1</sup>

### 9. Respirators.

Respirators shall be provided by the occupier for emergency use in cases of unusual contamination of the air with dust. It is not recommended that they be worn continuously, since there is evidence to show that they can not hold back gases unless so thick that respiration would be impeded, while in the case of poisonous dust the edge of the respirator by pressing on the face makes a warm, moist surface where dust is collected. The provision of pads of clean cheesecloth is preferable.

### 10. Foot Protection.

The employer shall pay 50 per cent of the cost of purchase and maintain in reasonably good condition suitable shoes with non-

<sup>1</sup>\*\*\* The use of gloves except for hot or rough work is discouraged, as workers can not keep the interior of gloves free from TNT, and a poultice of TNT on a hot hand is the ideal way to secure absorption." (This footnote is taken from a paper read by Dr. W. J. O'Donovan, chief medical officer, Welfare and Health Section, ministry of munitions, at the meeting Apr. 12, 1918, of the section on Epidemiology and State Medicine of the Royal Society of Medicine, as reported in *The Lancet*, Apr. 27, 1918, p. 606, and is inserted here by the Editor Public Health Reports.)

absorbent soles for the use of process workers where liquid poisonous nitro or amido compounds are manufactured or handled.

### 11. Toilet Facilities.

1. **GENERAL PROVISION:** Toilet facilities shall be provided in accordance with the following standards:

#### 2. APARTMENTS:

(a) *Location.*—All toilet facilities shall be located conveniently to and easily accessible from all places where persons are employed.

(b) *Separation.*—Toilet rooms for each sex shall be maintained separate and apart from each other and from all workrooms and passageways. Such rooms shall be marked so as to designate plainly and distinctly the sex for whose use they are intended.

(c) *Screening.*—If the water-closet is not located within a separate screened compartment in the toilet room, the entrance to all toilet rooms shall be provided with a screen to insure privacy. This screen shall be at least 6 feet in height, and shall extend to within at least 4 inches of the floor, and, if the space permits, shall be not less than 2 feet wider than the door leading into such toilet room.

(d) *Distance.*—All toilet rooms not having sewer connections and maintained outside of buildings where people are employed shall, on new installations, be at least 25 feet from such buildings; and in all factories where the workers are exposed to excessive heat, humidity, or fatigue from physical exertion, there shall be a covered passageway connecting said building with toilet or toilets.

(e) *Construction.*—The outside partitions of all toilet rooms shall be of solid construction, and may be opaque or translucent but not transparent, and shall extend from floor to ceiling, or such rooms shall be independently ceiled over. All partitions separating toilet rooms provided for the different sexes shall be at least 2 inches in thickness and constructed of such materials as are not transparent or translucent, and they shall be sound proof, and no openings in such partitions shall be permitted.

(f) *Floors.*—The floors of all toilet rooms shall be tight, smooth, and constructed of a substance that shall be impervious to moisture.

(g) *Walls.*—The walls of all toilet rooms shall be tight and of a substance that can be readily cleaned and kept clean.

(h) *Ceilings.*—In those toilet rooms which have ceilings, the ceilings shall be tight and of such substance that they can be readily cleaned and kept clean.

(i) *Light.*—All toilet rooms and water-closet compartments shall be adequately illumined by natural or artificial light.

(j) *Ventilation.*—All toilet rooms not lighted by windows that open easily shall be adequately ventilated to the outside air by artificial means. Every water-closet compartment entirely separated from

the remainder of the toilet room by partitions extending from the floor to the ceiling, and not provided with a window opening easily, shall be adequately ventilated to the outside air by artificial means.

On new installations every toilet room of every water-closet or urinal compartment shall have a window opening directly to the outdoor air. No such window shall be less than 1 foot wide, nor have an area of less than 6 square feet, measured between stop heads, for one water-closet or urinal. For every additional such fixture the area of such window shall be increased at least 1 square foot. A skylight shall be deemed the equivalent of a window, provided that it has fixed or movable louvres with openings of the net openable area prescribed for such window.

Every such window shall open upon a street or upon a yard or open space, uncovered at the top, which in its least horizontal dimension shall be at least one-tenth the height of the highest abutting wall, but in no case less than 6 feet.

(k) *Heating*.—All toilet rooms and, wherever practicable, water-closet compartments shall be adequately heated at all times.

(l) *Cleanliness*.—The occupier shall be responsible for the maintenance of all toilet rooms or water-closet compartments in a clean and sanitary condition.

(m) *Entrances*.—All toilet facilities shall be adequately protected to prevent the entrance and breeding of flies as far as practicable.

## 12. Fixtures.

(a) *Kind*.—The use of any form of trough water-closet or latrine, or school sink, is prohibited. Individual closets shall be provided. The bowls of the water-closets shall be of smooth, impervious material. Pan, plunger, washout, faucet, and long hopper closets are not permissible. The seat shall be finished with a smooth, impervious waterproof substance. Types of chemical closets, or other closets which are approved by the properly constituted authorities, shall be permitted.

(b) *Connections*.—The disposal of all contents of toilets and urinals shall be in accordance with the laws, rules, and regulations of the properly constituted authorities of the locality in which they exist. Provision shall be made for the adequate flushing of every water-closet.

Privies shall be permitted only in cases outside of the sewer zone and where cesspool, septic tank, or chemical closets or other closets which are approved by the properly constituted authorities are not practicable. Privies not connected with the sewerage system shall be built in accordance with the standards recommended by the properly constituted authorities.

(c) *Number and ratio.*—When there are 100 or less persons on a shift there shall be one toilet<sup>1</sup> for every 20<sup>2</sup> persons; when there are 100 to 500 persons on a shift, there shall be one toilet for every 30 persons; when there are 500 to 1,000 persons on a shift, there shall be one toilet for every 35 persons; and when there are 1,000 to 5,000 persons on a shift there shall be one toilet for every 40 persons.

### 13. Urinals.

(a) *Kind.*—Urinals shall be either individual urinals or slab urinals. At least 2 feet of slab urinal shall be considered the equivalent of one individual urinal.<sup>3</sup>

(b) *Construction.*—All urinals shall be composed of smooth material, impervious to moisture.

(c) *Connections.*—All urinals shall be connected by means of waste pipes to sewers or cesspools, which sewers or cesspools shall be constructed in accordance with the laws, rules, and regulations of the properly constituted authorities of the locality in which they exist.

Unless water runs continuously over the walls of a urinal, each urinal shall be provided, wherever practicable, with an adequate water flush. When individual tanks are used, the flushing shall be accomplished by pedal action or, if water flush is impracticable, then with other proper means for cleanliness and safety.

(d) *Number and ratio.*—One urinal or its equivalent shall be provided for every 50 men on a shift.

(e) *Entrances.*—All urinals shall be adequately protected to prevent the entrance and breeding of flies as far as practicable.

### 14. Medical Supervision.

Medical supervision is required in all factories where poisonous nitro or amido compounds are manufactured or handled. A physician shall be within easy access in case of accident. A physician shall be employed to attend cases of occupational poisoning, and to look for early symptoms of the same among the workers. He shall be required to make frequent trips through those parts of the works where poisonous, nitro, or amido compounds are present, and to request the factory manager or superintendent to suspend from work or shift to other work all whom he suspects to be poisoned even slightly. These workers shall not be allowed to return to their former occupations except on recommendation of the physician.

There must be kept for use in emergency a supply of aromatic spirits of ammonia, consisting of 1 pint of said spirits for each 200 employees on a shift, and there shall be provided one set of oxygen

<sup>1</sup>Closet.

<sup>2</sup>In practice it has been found advantageous to provide 1 closet for every 15 persons.

<sup>3</sup>In practice it is recognized that separate urinals should be arranged throughout the work places convenient to the points where the men work.

tanks<sup>1</sup> with the apparatus for administering oxygen in each dispensary or hospital on the plant, and there shall be at least one set of tanks for every 500 employees on a shift.

In all cases in which oxygen is used a physician shall at once be called or the sick employee removed to a hospital.

If there is no hospital within easy access, a hospital room shall be provided in the works, which shall contain the following articles: A couch or bed, pair of blankets, two hot-water bottles, a supply of hot water, and such surgical dressings as are needed for minor injuries, and a stretcher.

For every 50 process workers or less employed in such plant and exposed to such risk there shall be present at all times at least two persons who are trained or competent to apply means of resuscitation by the prone pressure or Schaeffer method, or by mechanical devices approved by the properly constituted authorities.

A sufficient number of helmets of a type approved by the properly constituted authorities shall be kept at each plant, in order that they may be available for use by every employee who has occasion to enter places where there may be asphyxiating or poisonous gases, fumes, or vapors.

All employees who are required by the employer to wear helmets in making repairs or in maintenance work shall be thoroughly instructed in the use of such apparatus and be physically examined by a licensed physician at least once in 90 days or after absence from work due to either sickness or accident, and the physician shall certify to the proper physical condition of the men so employed, either in a book or upon a card, and no employee shall be permitted to do such repair work unless so examined and certified.

**15. Physical Examination.**

All workers employed as process men in manufacturing or handling poisonous nitro or amido compounds shall be physically examined by a licensed physician before the expiration of 24 hours after their employment.

All process workers shall be physically reexamined by a licensed physician at least once in every 30 days and before resuming work after an absence due to sickness or to accident.

In those cases where the examining physician believes the worker to be poisoned, the examination shall consist in the determination and recording of the following facts either in a book or upon a card:

Name.....	Age.....
Address.....	Process.....
Height.....	Weight.....
Pulse.....	Blood Pressure.....
Examination of urine.....	Reaction.....
Albumen.....	Sugar.....
	Hæmoglobin.....
	Specific gravity.....
	Casts.....

<sup>1</sup> One set of oxygen tanks shall be interpreted to mean two tanks of oxygen, one of which shall be quite full.



The record of these examinations shall at all times be open for inspection by the properly constituted authorities.

The examining physician shall report all cases of poisoning to the properly constituted authorities within 48 hours after such examination, upon blanks which will be furnished upon request.

The following shall not be employed in any establishment handling, manufacturing or otherwise using any poisonous nitro or amido compounds:

- (a) Persons under 18 years of age.
- (b) Persons suffering from any form of inflammation of the bladder.
- (c) Persons whom the factory manager or superintendent knows to be addicted to the excessive use of alcohol in any form, or who are under the influence of intoxicants or narcotics.
- (d) Persons suffering from any form of anemia.

#### 16. Education.

Information must be given to these workers in a language they can understand and also by word of mouth. The properly constituted authorities shall prepare and distribute, free of charge, such educational literature. They shall be taught the dangers inherent in the work and the proper methods of protecting themselves.

#### 17. Hours of Labor.

The day's work should not exceed the customary hours in the establishment or the standard already attained in the industry and in the community. It should certainly not be longer than 10 hours for an adult workman.

The drift in the industrial world is toward an 8-hour day as an efficiency measure.

It has also been shown that hours of labor must be adapted to the age and sex of the worker, and the nature of the occupation.<sup>1</sup>

#### 18. Fulminate of Mercury.

In making fulminate of mercury, care must be taken not to spill the mercury. In case of such an accident, the globules must be collected at once.

The formation of fulminate of mercuric nitrate by the action of alcohol must either be carried on in the open air, or, if carried on in inclosed buildings, there shall be provided suitable exhausts to catch and remove the fumes.

<sup>1</sup> From General Orders No. 13—Office of the Chief of Ordnance, Washington, D. C., Nov. 15, 1917.

Recent Government orders have required spurts of overtime, due to a demand from abroad for products within a period so short that they could not have been turned out otherwise. One was limited to three days. This indicates the desirability of qualifying these regulations so that upon the request of the Council of National Defense overtime may be permitted for a temporary period if in the interest of national defense.

### 19. Repairs and Cleaning.

All repairs or changes on machinery, stills, and pipes for poisonous nitro or amido compounds and for the mineral acids shall be made under the following procedure:

If it is necessary for the employee to enter any vat, tank, or other container in which there have been used, stored, or manufactured liquids or solids which give off vapors of a poisonous nature disconnect and blank off all connections. Clean containers thoroughly by repeated washings with water, soda water, steam, compressed air, or other suitable means. If the person in charge then considers conditions satisfactory, employees may enter such container. They must use an approved type of helmet and have attached to their bodies a life line or rope, if the person in charge considers it necessary.

The life line or rope shall be under the control of one or more fellow workmen, who shall remain outside of the container in order that they may render assistance if necessary.

After the work is finished the men should take at once a bath and change their clothing, including shoes, if the foreman or other person in charge shall deem it necessary. Facilities for taking such baths shall be provided.

The superintendent of the plant shall be held responsible for the enforcement of these regulations.

Whenever it is necessary to disconnect any pipe containing acid or any poisonous nitro or amido compound, or other poisonous compound or fluid, care shall be taken to see that all pipes are drained of their contents and that the valves controlling the said pipes are closed.

### 20. Cotton Nitration Plants.

*Ventilation.*—Where injurious vapors are produced in such amounts as to be deemed a menace to the safety and health of employees working in such buildings, sufficient ventilation for the health of the occupants shall be provided.

Shower baths or similar devices for supplying an abundance of water immediately shall be placed in easy access of nitrator operators.

The rooms in which nitrating and acid wringing is carried on shall have exits to the outer air, easily accessible from all parts of the room.

An acid accident cabinet containing equipment for the treatment of acid burns, or of the so-called fume sickness, shall be kept in places quickly reached in case of need. It is suggested that this cabinet should contain the following articles:

- 1 quart sodium bicarbonate solution.
- $\frac{1}{2}$  pint aromatic spirits of ammonia.
- 4 ounces 3 per cent alcoholic iodine solution.
- 2 drams 5 per cent cocaine solution.
- 1 dozen 15-minim ampules of chloroform, or

- 1 ounce chloroform, if not in ampules.
- 1 tube of about 2 ounces ointment of sodium bicarbonate and petrolatum.
- 1 pint carbolized oil—1—20.
- 1 dozen 2-inch gauze bandages in sterile packages.
- 1 dozen 4-inch gauze bandages in sterile packages.
- $\frac{1}{2}$  pound absorbent cotton.
- 1 roll  $\frac{1}{2}$ -inch adhesive plaster.

*Proportionate number.*—There shall be at least one of these acid accident cabinets or boxes for every 100 men or less in each of the acid buildings, or in suitable locations in the acid area outside of buildings.

Medical care shall be readily available and hospital care shall be provided either inside or outside the works. Employees known to be suffering from the effects of fumes shall not leave the works until permitted to do so by the works physician.

#### 21. Picric Acid.

The regulations given in the previous pages apply to factories manufacturing or handling picric acid.

All workers shall be cautioned that they shall take care not to produce excessive dust in emptying the drying houses and in packing or otherwise handling picric acid. These workers shall be protected against dust so far as practicable.

#### 22. Poisonous Nitro or Amido Aromatic Compounds.

Floors must be nonabsorbent for the substances produced or handled in each room, smooth and easy to clean. All apparatus for melting, distilling, reducing, etc., shall be so constructed as to prevent the continuous escape of vapors under ordinary conditions into the breathing atmosphere.

The work shall be regulated in such a way that the men do not come into direct physical contact with poisonous nitro or amido compounds. All such compounds as are liquid shall be kept and stored only in covered vessels. Wherever it is necessary to handle these liquids uncovered, as in filling receptacles, exhausts shall be provided wherever practicable, to carry off the fumes. In powdering, sifting, and packing operations in connection with solid compounds, the work shall be carried on as far as practicable in covered or closed apparatus.

There shall be such a separation of processes in different rooms that dust or fumes arising from one operation shall not involve process workers engaged on other processes.

The process workers shall be kept as free from poisonous nitro or amido compounds as possible, and if any material is spilled on the floor, it shall be removed as soon as possible. The floor shall be cleaned at least once every 24 hours.

On all new construction all platforms shall be so erected as not to interfere with ventilation.

It is recommended on all new construction that platforms be erected so that there shall remain a free space at least equal in surface to a quarter of the floor space of the building. (It is recommended to leave between platforms and outer walls either a free space or a space covered by slats 2 or 3 feet wide, and the area of this space is to be added to the free space in calculating the latter.) The distance of the larger platforms from the floor and from each other shall be 10 feet, as far as possible and practicable. For smaller platforms a smaller distance is permitted, provided that it does not interfere with the ventilation of the building.

On top of melting kettles and distilling apparatus, such platforms only shall be built as are absolutely necessary for the proper handling of the apparatus, and care should be taken that all apparatus be so constructed that vapors and gases can not escape and thereby injure those obliged by reason of their duties to be upon said platforms.

Platforms on which work is regularly carried on with poisonous nitro or amido compounds shall be tight and easy to clean; covered with sheet lead where advisable and practicable.

In case of accident, when any part of a process worker's clothing has become saturated with poisonous nitro or amido compounds, so that it has come in contact with the skin, the clothing shall be removed immediately, the skin thoroughly washed, and fresh clothing put on.

It is recommended that all process workers take a bath before leaving the works, and the importance of bodily cleanliness shall be emphasized by the factory manager or superintendent to the process workers, who shall also be cautioned against working with an empty stomach and also against the danger of drinking any alcoholic liquors or the taking of narcotics.

### 23. Loading of Ammunition.

Every vessel containing TNT heated to the melting point shall be covered in such a way, and the pressure therein maintained in such a manner, that no vapor or dust may escape into the air of the room in significant amounts when TNT is poured in.

When charges are to be molded, the molten TNT shall be drawn from the melting pot under a hood provided with an exhaust. Stirring shall be done automatically and under a hood provided with an exhaust.

All workers shall be cautioned that pouring molten TNT into buckets for the molders shall be done with care so that none is spilled on the floor.

The filling of shells shall be done in such a way that the outer surface is protected so far as possible and practicable, that no molten TNT runs down over it, necessitating subsequent cleaning. The neck of the shell shall be protected for the same reason whenever the nature of the work permits.

The boring, planing, drilling, crushing, or grinding machines shall be protected with dust-proof shields or suction ventilators. The work of boring, planing, etc., shall be done in a room separate from any in which other work is performed.

Cleaning and shellacking the bore of the charge shall be done under a hood with an approved type of exhaust. This cleaning shall be done by suction and when loosening is necessary the brushing shall be done by suction.

Imperfectly loaded shells shall be emptied by heating them enough to loosen the charge and not by boring down the charge and then blowing it out in dust form. This operation of melting down the charge shall be conducted under an approved type of exhaust.

If charges be pressed, the pressing shall be done in a separate room where no other process work is performed.

Scales and presses shall be kept as free from dust as practicable.

The use of respirators for workers in TNT is not advised, except when in an emergency a worker is unavoidably exposed to dust a pad of clean cheesecloth should be tied over the face.

Bodily cleanliness is of the utmost importance in TNT work, and all working clothes, socks, shoes, and gloves must be in good repair, well closed. If gloves are not dustproof, they will be worse than none at all, since they will serve to keep the skin of the hands in contact all the time with the TNT that has worked through, and by increasing perspiration will increase skin absorption.

Every worker engaged in melting, casting, pressing, boring, trimming, cleaning, or planing charges shall take a shower bath at the end of his shift of work.

Information shall be given to the workers in TNT in a language that they can understand to the effect that the drinking of milk in abundant quantities will help them to conserve their health.

# 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.

### EXTRA-CANTONMENT ZONES—CASES REPORTED JUNE 26 TO 29.

	Cases.		Cases.
<b>CAMP BEAUREGARD ZONE, LA.</b>		<b>CAMP DODGE ZONE, IOWA.</b>	
Alexandria:		Des Moines:	
Malaria.....	2	Chancroid.....	1
Mumps.....	8	Diphtheria.....	1
Whooping cough.....	3	Gonorrhoea.....	3
Rural district:		Measles.....	1
Smallpox.....	1	Mumps.....	1
<b>CAMP BOWIE ZONE, TEX.</b>		Scarlet fever.....	4
Fort Worth:		Smallpox.....	5
Chicken pox.....	2	Syphilis.....	3
Gonorrhoea.....	19	Whooping cough.....	2
Malaria.....	2	<b>CAMP DONIPHAN ZONE, OKLA.</b>	
Measles.....	2	Gonorrhoea:	
Mumps.....	2	Lawton.....	3
Influenza, lobar.....	6	<b>CAMP EBERTS ZONE, ARK.</b>	
Smallpox.....	7	Dysentery:	
Syphilis.....	14	Cabot.....	6
Typhoid fever.....	5	Malaria:	
<b>CAMP BREMERTON ZONE, WASH.<sup>1</sup></b>		Lenoke.....	2
Chicken pox.....	2	Lenoke, route 2.....	1
Measles.....	5	Lenoke, route 4.....	1
Mumps.....	2	England.....	2
Influenza, lobar.....	2	Cabot.....	2
Whooping cough.....	6	Keo.....	5
<b>CAMP DEVENS ZONE, MASS.</b>		Scotts, route 1.....	1
Measles:		Scotts, route 2.....	1
Ayer.....	2	Pellagra:	
Lancaster.....	6	England.....	1
Mumps:		Keo.....	1
Lancaster.....	1	Scarlet fever:	
Tuberculosis, pulmonary:		Lenoke, route 3.....	1
Townsend.....	1	Tuberculosis:	
Whooping cough:		Scotts, route 1.....	1
Ayer.....	1	<b>CAMP FUNSTON ZONE, KANS.</b>	
Harvard.....	6	Gonorrhoea:	
<b>CAMP DIX ZONE, N. J.<sup>1</sup></b>		Junction City.....	3
Tuberculosis:		Manhattan.....	6
Pemberton Township.....	1	Mumps:	
		Junction City.....	2
		Manhattan.....	1

<sup>1</sup> Report for week ended June 29, 1918.

## CAMP FUNSTON ZONE, KANS.—continued.

Scarlet fever:	Cases.
Manhattan .....	2
Syphilis:	
Junction City .....	1
Whooping cough:	
Junction City .....	2
Manhattan .....	2
Ogden .....	6

## CAMP GORDON ZONE, GA.

Atlanta:	
German measles .....	1
Gonorrhoea .....	1
Measles .....	3
Paratyphoid fever .....	1
Scarlet fever .....	2
Smallpox .....	4
Syphilis .....	2
Trachoma .....	1
Tuberculosis .....	9
Typhoid fever .....	4
Whooping cough .....	5
Doraville:	
Typhoid fever .....	1
Scottdale:	
Typhoid fever .....	1

## CAMP GREENE ZONE, N. C.

Charlotte Township:	
Chancroid .....	1
Diphtheria .....	1
Gonorrhoea .....	14
Scarlet fever .....	14
Syphilis .....	14
Trachoma .....	3
Typhoid fever .....	13
Whooping cough .....	9

## GULFPORT HEALTH DISTRICT, MISS.

Diphtheria .....	1
Malaria .....	8
Mumps .....	6
Pellagra .....	1
Tuberculosis .....	2
Typhoid fever .....	18
Whooping cough .....	1

## CAMP HANCOCK ZONE, GA.

Augusta:	
Cerebrospinal meningitis .....	1
Measles .....	1

CAMP JACKSON ZONE, S. C.<sup>1</sup>

Columbia:	
Chicken pox .....	1
Diphtheria .....	1
Measles .....	1
Mumps .....	3
Whooping cough .....	24

## CAMP JOSEPH E. JOHNSTON ZONE, FLA.

Chancroid:	
Jacksonville .....	4
Chicken pox:	
Jacksonville .....	1

## CAMP JOSEPH E. JOHNSTON ZONE, FLA.—cont'd.

Dysentery:	Cases.
Jacksonville .....	3
Lackawanna .....	1
Panama .....	1
Gonorrhoea:	
Jacksonville .....	35
Measles:	
Jacksonville .....	4
Mumps:	
Jacksonville .....	1
Panama .....	2
Ophthalmia neonatorum:	
Jacksonville .....	1
Pellagra:	
Jacksonville .....	2
Syphilis:	
Jacksonville .....	19
Tuberculosis:	
Jacksonville .....	7
Typhoid fever:	
Jacksonville .....	2
Whooping cough:	
Fishers Corner .....	3
Jacksonville .....	6
Ortega .....	2

## FORT LEAVENWORTH ZONE, KANS.

Leavenworth:	
Diphtheria .....	2
Gonorrhoea .....	1
Leavenworth County:	
Diphtheria .....	1
Scarlet fever .....	10
Typhoid fever .....	1

## CAMP LEE ZONE, VA.

Ettricks:	
Mumps .....	4
Petersburg:	
Gonorrhoea .....	3
Poliomyelitis .....	1
Syphilis .....	1

## CAMP LEWIS ZONE, WASH.

Mumps:	
Steilacoom .....	1
Pneumonia, lobar:	
Spanaway .....	1
Whooping cough:	
Parkland .....	3

## CAMP LOGAN ZONE, TEX.

Houston:	
Gonorrhoea .....	1
Pneumonia .....	1
Smallpox .....	1
Syphilis .....	1
Typhoid fever .....	7
Tuberculosis .....	2
Deep Water:	
Gonorrhoea .....	1

## CAMP MACARTHUR ZONE, TEX.

Gonorrhoea:	
Waco .....	1
Poliomyelitis:	
Waco .....	1
Precinct 3 .....	1

CAMP MACARTHUR ZONE, TEX.—continued.

	Cases.
Tuberculosis:	
Waco.....	2
Typhoid fever:	
Precinct 4.....	3
Waco.....	1

CAMP M'CLELLAN ZONE, ALA.

Chicken pox:	
Anniston.....	1
Typhoid fever:	
Anniston.....	1
Hobson City.....	4
Jacksonville.....	1
Precinct 15.....	1
Oxford.....	1

NORFOLK COUNTY NAVAL DISTRICT, VA.

Chancroid:	
Norfolk.....	2
Diphtheria:	
Norfolk.....	1
Portsmouth.....	1
Dysentery:	
Norfolk.....	1
Gonorrhoea:	
Norfolk.....	27
Malaria:	
Gilmerton.....	1
Ocean View.....	2
Oakwood.....	1
Ophthalmia neonatorum:	
Hickory.....	1
Pellagra:	
Deep Creek.....	1
Pneumonia:	
Portsmouth.....	1
Syphilis:	
Norfolk.....	7
Portsmouth.....	2
Tuberculosis:	
St. Brides.....	1
Typhoid fever:	
Norfolk.....	2
Whooping cough:	
Portsmouth.....	4
Norfolk.....	2

FORT OGLETHORPE ZONE, GA.

Gonorrhoea:	
Chattanooga.....	3
Measles:	
Alton Park.....	2
East Lake.....	2
Scarlet fever:	
North Chattanooga.....	1
Syphilis:	
Chattanooga.....	1
East Chattanooga.....	1
Typhoid fever:	
East Lake.....	1
Whooping cough:	
Chattanooga.....	6

CAMP PIKE ZONE, ARK.

	Cases.
Chancroid:	
Little Rock.....	1
Dysentery:	
Scotts.....	1
Gonorrhoea:	
Little Rock.....	8
North Little Rock.....	4
Scotts.....	2
Malaria:	
Little Rock.....	6
North Little Rock.....	2
March.....	1
Mumps:	
North Little Rock.....	2
Pellagra:	
Scotts.....	1
Pneumonia:	
North Little Rock.....	1
Smallpox:	
Mablevale.....	1
Syphilis:	
Little Rock.....	4
North Little Rock.....	1
Scotts.....	1
Trachoma:	
Little Rock.....	1
Tuberculosis:	
Little Rock.....	10
North Little Rock.....	1
Typhoid fever:	
Little Rock.....	1
North Little Rock.....	1
Whooping cough:	
Little Rock.....	1

CAMP SEVIER ZONE, S. C.

Cerebrospinal meningitis:	
Greenville Township.....	1
Dysentery:	
Paris Mountain Township.....	1
Ophthalmia neonatorum:	
Greenville Township.....	1
Tuberculosis:	
Paris Mountain Township.....	1
Typhoid fever:	
Chick Springs Township.....	1
Greenville.....	1

CAMP SHELBY ZONE, MISS.

Hattiesburg:	
Malaria.....	2
Typhoid fever.....	4
Venereal.....	1
Whooping cough.....	1

CAMP SHERIDAN ZONE, ALA.

Montgomery:	
Chancroid.....	5
Gonorrhoea.....	35
Malaria.....	2
Syphilis.....	30
Typhoid fever.....	3



## CAMP SHERIDAN ZONE, ALA.—continued.

Montgomery County:	Cases.
Cerebrospinal meningitis.....	1
Chancroid.....	2
Gonorrhoea.....	2
Mumps.....	1
Syphilis.....	1
Typhoid fever.....	1
U. S. Government Clinic:	
Chancroid.....	1
Gonorrhoea.....	9
Syphilis.....	9

## CAMP SHERMAN ZONE, OHIO.

Diphtheria:	
Chillicothe.....	7
Hallsville.....	2
Gonorrhoea:	
Chillicothe.....	7
Mumps:	
Liberty Township.....	2
Scarlet fever:	
Chillicothe.....	1
Trachoma:	
Chillicothe.....	1
Typhoid fever:	
Chillicothe.....	1
Scioto Township.....	1
Whooping cough:	
Chillicothe.....	2

## CAMP ZACHARY TAYLOR ZONE, KY.

Jefferson County:	
Whooping cough.....	6
Louisville:	
Cerebrospinal meningitis.....	1
Diphtheria.....	5
Pneumonia.....	1
Scarlet fever.....	1
Trachoma.....	1
Tuberculosis; pulmonary.....	10
Typhoid fever.....	7
Whooping cough.....	6
New Albany:	
Tuberculosis.....	1
United States Government Clinic:	
Chancroid.....	1
Gonorrhoea.....	47
Syphilis.....	46

## TIDEWATER HEALTH DISTRICT, VA.

Hampton:	Cases.
Typhoid fever.....	1
Newport News:	
Cerebrospinal meningitis.....	1
Chancroid.....	5
Gonorrhoea.....	5
Mumps.....	1
Syphilis.....	1
Typhoid fever.....	4
Whooping cough.....	1

## CAMP TRAVIS ZONE, TEX.

San Antonio:	
Chancroid.....	2
Gonorrhoea.....	22
Malaria.....	7
Pellagra.....	2
Syphilis.....	21
Tuberculosis.....	12
Typhoid fever.....	16

CAMP VANCOUVER ZONE, WASH.<sup>1</sup>

Gonorrhoea.....	6
Pneumonia.....	1
Syphilis.....	5

## CAMP WADSWORTH ZONE, S. C.

Pauline:	
Whooping cough.....	3
Spartanburg:	
Gonorrhoea.....	5
Mumps.....	1
Smallpox.....	1
Tuberculosis.....	1
Typhoid fever.....	1

## CAMP WHEELER ZONE, GA.

Macon:	
Gonorrhoea.....	1
Smallpox.....	1
Tuberculosis.....	1
United States Government Clinic:	
Gonorrhoea.....	4
Syphilis.....	7

## CURRENT STATE SUMMARIES.

## Telegraphic Reports for Week Ended June 29, 1918.

*Alabama.*—Diphtheria: Andalusia, Covington County, 50 cases, Jefferson County 2 cases. Typhoid fever: Jefferson County 17 cases, Tuscaloosa County 7 cases.

*California.*—Sharp decrease in the number of cases of communicable diseases last week. One case poliomyelitis, San Diego. Typhoid fever prevalent; 18 cases last week, mostly in the southern part of the State. Twenty-seven cases of smallpox scattered throughout the State.

<sup>1</sup> Report for week ended June 29, 1918.

Reported by mail for the preceding week (ended June 22):

Anthrax.....	2	Mumps.....	100
Cerebrospinal meningitis.....	4	Pneumonia.....	31
Chicken pox.....	100	Poliomyelitis.....	2
Diphtheria.....	49	Scarlet fever.....	60
Dysentery.....	1	Smallpox.....	25
Erysipelas.....	6	Syphilis.....	69
German measles.....	31	Trachoma.....	3
Gonococcus infection.....	93	Tuberculosis.....	119
Malaria.....	8	Typhoid fever.....	29
Measles.....	297	Whooping cough.....	98

*Connecticut.*—Cerebrospinal meningitis: Bridgeport 1, Middlefield 1, Wallingford 1. Smallpox: East Hartford 1, South Windsor 1. Scarlet fever: New Britain 9, State total 27. Typhus fever: Greenwich 1.

*Illinois.*—Diphtheria: One hundred fifty two, of which in Oak Park 10, Chicago 117. Scarlet fever: Thirty-one, of which in Chicago 19. Smallpox: Twenty-three, of which in Lincoln 4. Meningitis: Four, of which De Kalb 1, Elgin 1, Chicago 2. Poliomyelitis: Chicago 4, Pierce Township (DeKalb County) 4.

*Indiana.*—Measles: Epidemic Fountain City. Poliomyelitis: Evansville 3 cases.

*Louisiana.*—Meningitis 1, anthrax 2, typhoid 75, diphtheria 90.

*Massachusetts.*—Unusual prevalence. Measles: Andover 28, Fitchburg 63, Lawrence 54, Malden 24, Manchester 15. Leprosy: Boston 1. Smallpox: Tisbury 1.

*Minnesota.*—Smallpox, new foci: Faribault County, Winnebago City Township; Itasca County, Steneagen Township; Marshall County, Vega Township; Martin County, Centercreek Township; Stearns County, Getty Township, and Holding Township, each 1 case; Pipestone County, Osborne Township, 2. Three poliomyelitis reports since June 24.

*Ohio.*—Typhoid fever: Dayton, 7 cases.

*Virginia.*—Two cases smallpox Newport News, 1 Lancaster County, several Louisa. One case cerebrospinal meningitis Newport News. One case infantile paralysis Petersburg.

*Washington.*—Scarlet fever: Tacoma 58, Seattle 18. Smallpox: Chewelah 10, Farmington 10. One cerebrospinal meningitis Seattle. Mumps: Seattle 29, Tacoma 131. One cerebrospinal meningitis Raymond.

**DISEASE CONDITIONS AMONG TROOPS IN THE UNITED STATES.**

The following data are taken from telegraphic reports received in the office of the Surgeon General, United States Army, for the week ended June 21, 1918:

Annual admission rate per 1,000 (disease only):

All troops.....	963.7
Divisional camps.....	1,047
Cantonments.....	980.1
Departmental and other troops.....	905.7
Noneffective rate per 1,000 on day of report:	
All troops.....	39.8
Divisional camps.....	40

Noneffective rate per 1,000 on day of report—Continued.

Cantonments.....	49.9
Departmental and other troops.....	33.5
Annual death rate per 1,000 (disease only):	
All troops.....	2.9
Divisional camps.....	3.88
Cantonments.....	3.44
Departmental and other troops.....	1.86

New cases of special diseases reported during the week ended June 21, 1918.

Camp.	Pneumonia.	Dysentery.	Malaria.	Venereal.		Measles.	Meningitis.	Scarlet fever.	Deaths.	Annual admission rate per 1,000 (disease only).	Noneffective per 1,000 on day of report.
				Total.	New infections.						
Beauregard.....	4	7	31	88	3				1	1,022.3	43.2
Bowie.....	6		3	47	36	4			2	962.7	26.9
Cody.....	42			10	2	20			2	466.4	25
Doniphan.....				8		8			1	1,352	42
Fremont.....	5		2	8	3	13			1	663.6	36.1
Hancock.....	1		5	23		2	1		2	999.2	39.9
Kearny.....				3		2			2	578.5	25.8
Logan.....	5			64	56	1			2	5,996.5	282.4
Macarthur.....	2					6			2	1,018.4	37.2
McClellan.....			3	25	14					744.3	40.5
Sylvia.....	7	1	15	79	4	24	1		2	1,319.5	61
Shelby.....	4		15	29	4	2				1,037.4	40.1
Sheridan.....			3	113		5				1,679.3	63.4
Wadsworth.....	4		4	174	3	19	1		4	2,254.3	53.2
Wheeler.....	3			34	4				3	767.7	25.7
Custer.....	2		1	54	2	9		1	1	423.5	17.9
Devens.....	5			30	8	19	1	1	3	574.5	37.8
Dix.....	1		1	66	66	6			1	890.5	38.9
Dodge.....	9		10	87		8			5	1,351.5	62.3
Funston.....	1			14	1	2		1	1	621.8	53.2
Gordon.....	12		4	190	1	14	4		9	1,525	59.5
Grant.....	3			21		13			2	397.5	17.5
Jackson.....	3			430		84	2		3	1,471.8	57.6
J. E. Johnston.....	3		1	39	22	11		1	1	1,228.3	33.4
Lee.....	3			65		37			1	600	27.5
Lewis.....	24		2	110	3	12		8	5	747.8	69.3
Meade.....	2		1	28	4	7	1		1	804.4	31.4
Pike.....	10		42	54	1	52			1	1,073.6	39.8
Sherman.....	2		4	145		3			5	1,323.5	66
Taylor.....	12		4	49		20			1	1,073.6	66.6
Travis.....	18	2		17		13			1	2,447.2	69.8
Upton.....	1	1		125	3	3			4	655.5	38.5
Northeastern Dept.....				37	10	5				647.2	24.2
Eastern Dept.....	11		9	181	81	25			3	803.7	20.7
Southeastern Dept.....				54	32	8			1	1,011.9	37.6
Central Dept.....	1		1	80	25	6	1	1	2	962.6	34.5
Southern Dept.....	4		2	128	52	16		3	2	780.2	30.3
Western Dept.....	4	1		72	29	8	1	9	4	932.2	30.6
Milit. Aeronautics.....	9	10	3	226		4			14	979.4	30.8
Alcatraz, D. B.....										309.5	8.9
Leavenworth, D. B.....										1,199.5	34.4
Columbus Bks.....				12	4					684.9	37.3
Jefferson Bks.....	2			71	4	21				1,748.6	99.5
Logan, Fort.....				3						1,366.8	70.5
McDowell, Fort.....				8	5	2			1	1,413.4	86.6
Slocum, Fort.....			1	8		8			1	656.7	58.8
Thomas, Fort.....			1	8		8				1,009.4	38.8
Edgewood Arsenal.....				1	1				2	536.8	52.6
Watertown Arsenal.....				2						818.2	10.8
Springfield Armory.....										509.8	9.8
Watervliet.....										1,607.2	37.7
Hoboken.....	7	1	4	232	21	10	4	3	2	927.7	42.7
Newport News.....	15	19	9	55	36	3			3	1,043.5	58.1
West Point.....				1						594.3	10.7
Keogh, Fort.....										1,006.4	12.9
Greenleaf.....		1	1	25		6		2	1	956.9	53.9
War Pr. Bks. No. 1.....										1,320.6	12.7
Total.....	247	42	177	3,433	540	533	18	36	101	963.7	39.8

Annual rate per 1,000 for special diseases.

Disease.	All troops in U. S. <sup>1</sup>	Departmental and other troops. <sup>1</sup>	Divisional camps. <sup>1</sup>	Cantonments. <sup>1</sup>	Expeditionary Forces. <sup>2</sup>
Pneumonia.....	9.6	5.2	16.1	10.9	10
Dysentery.....	1.6	3.0	1.5	0.3	0.0
Malaria.....	6.9	2.9	15.7	6.5	1.2
Veneral.....	134.4	117.9	138.8	149.8	47.8
Paratyphoid.....	0.2	0.0	0.97	0.07	0.0
Typhoid.....	0.3	0.3	0.4	0.2	0.22
Measles.....	20.8	11.9	19.0	30.8	6.0
Meningitis.....	0.7	0.6	0.6	0.9	2.1
Scarlet fever.....	1.4	1.8	0.78	1.4	3.9

<sup>1</sup> Week ended June 21, 1918.

<sup>2</sup> Week ended June 13, 1918.

**ANTHRAX.**

**New Jersey—Camden and Oceanport.**

During the month of June, 1918, 6 cases of anthrax in man were reported in New Jersey, 5 of which were in Camden among persons engaged in the production or handling of leather and 1 in Oceanport, Monmouth County, in a worker in a woolen factory.

**CEREBROSPINAL MENINGITIS.**

**State Reports for April and May, 1918.**

Place.	New cases reported.	Place.	New cases reported.
<b>Connecticut (May):</b>		<b>Indiana (May):</b>	
Fairfield County—		Allen County.....	1
Bridgeport.....	4	Dearborn County.....	1
Greenwich.....	1	Elkhart County.....	1
<b>Hartford County—</b>		Grant County.....	1
Enfield.....	1	Harrison County.....	2
Hartford.....	1	Madison County.....	1
New Britain.....	1	Marion County.....	8
<b>Litchfield County—</b>		Randolph County.....	3
New Milford.....	1	Vigo County.....	1
<b>New Haven County—</b>		<b>Total.....</b>	<b>19</b>
New Haven.....	1		
Waterbury.....	1	<b>Iowa (May):</b>	
<b>Total.....</b>	<b>11</b>	Iowa County.....	1
		Polk County.....	1
<b>Illinois (May):</b>		<b>Total.....</b>	<b>2</b>
Clinton County—		<b>Kansas (May):</b>	
Brookside township.....	1	Allen County—	
Carlyle.....	1	Iola.....	2
<b>Cook County—</b>		Cherokee County—	
Chicago.....	34	Baxter Springs.....	1
Chicago Heights.....	1	Dickinson County—	
<b>Crawford County—</b>		Herington.....	1
Licking township.....	1	Doniphan County—	
<b>Franklin County—</b>		Severance.....	1
Royalton.....	1	Ellsworth County—	
<b>Jasper County—</b>		Langley Township.....	1
Crooked Creek township.....	1	Geary County—	
<b>Macoupin County—</b>		Junction City.....	2
Girard.....	1	<b>Jewell County—</b>	
<b>Marion County—</b>		Buffalo Township.....	1
Centralia.....	1	Walnut.....	1
<b>Rock Island County—</b>		<b>Kingman County—</b>	
Moline.....	1	Kingman.....	1
<b>Sangamon County—</b>		<b>Lyon County—</b>	
Springfield.....	1	Emporia.....	1
<b>Shelby County—</b>		<b>Marshall County—</b>	
Moweaqua.....	1	Frankfort.....	1
<b>Wabash County—</b>		<b>McPherson County—</b>	
Mount Carmel.....	1	Canton.....	1
<b>Total.....</b>	<b>46</b>		

## CEREBROSPINAL MENINGITIS—Continued.

## State Reports for April and May, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Kansas (May)—Continued.</b>		<b>Pennsylvania (May):</b>	
Mitchell County—		Allegheny County.....	16
Tipton.....	1	Armstrong County.....	1
Montgomery County—		Berks County.....	2
Caney.....	2	Center County.....	1
Independence.....	3	Delaware County.....	1
Sedgwick County—		Elk County.....	2
Wichita.....	3	Fayette County.....	2
Wyandotte County—		Indiana County.....	4
Rosedale.....	1	Lackawanna County.....	2
<b>Total.....</b>	<b>24</b>	Lawrence County.....	3
<b>Minnesota (May):</b>		Luzerne County.....	25
Carleton County—		Mercer County.....	1
Silver Township.....	1	Philadelphia County.....	29
Hennepin County—		Schuylkill County.....	1
Minneapolis.....	1	Washington County.....	1
<b>Total.....</b>	<b>2</b>	Westmoreland County.....	2
<b>Mississippi (May):</b>		York County.....	2
Harrison County.....	1	<b>Total.....</b>	<b>95</b>
Holmes County.....	1	<b>South Carolina (May):</b>	
Panola County.....	1	Beaufort County.....	1
Union County.....	1	Charleston County.....	1
Wayne County.....	1	Florence County.....	1
<b>Total.....</b>	<b>5</b>	Greenville County.....	4
<b>New Jersey (May):</b>		Richland County.....	1
Bergen County.....	3	Spartanburg County.....	1
Burlington County.....	3	York County.....	2
Essex County.....	13	<b>Total.....</b>	<b>11</b>
Hudson County.....	10	<b>Virginia (April):</b>	
Middlesex County.....	4	Accomac County—	
Passaic County.....	1	Tangier.....	1
Union County.....	2	Augusta County—	
<b>Total.....</b>	<b>36</b>	Waynesboro.....	1
<b>North Carolina (May):</b>		Bedford County.....	1
Anson County.....	2	Buckingham County.....	1
Cabarrus County.....	1	Floyd County.....	1
Caswell County.....	1	Gloucester County.....	1
Columbus County.....	1	Henrico County—	
Duplin County.....	4	Richmond.....	3
Forsyth County.....	3	Lee County.....	1
Halifax County.....	1	Lunenburg County.....	1
Haywood County.....	1	Montgomery County.....	2
Madison County.....	1	Nelson County.....	3
Wake County.....	1	Norfolk County.....	4
<b>Total.....</b>	<b>16</b>	Northampton County.....	1
<b>North Dakota (May):</b>		Orange County.....	1
Barnes County.....	1	Patrick County.....	1
McHenry County.....	1	Prince George County.....	3
<b>Total.....</b>	<b>2</b>	Prince William County.....	1
<b>Ohio (May):</b>		Rappahannock County.....	2
Cuyahoga County.....	5	Roanoke County—	
Defiance County.....	1	Roanoke.....	2
Hamilton County.....	2	Salem.....	1
Henry County.....	1	Rockbridge County.....	1
Jefferson County.....	1	Tazewell County.....	2
Knox County.....	1	Warwick County—	
Mahoning County.....	1	Newport News.....	5
Miami County.....	1	Washington County.....	1
Montgomery County.....	2	<b>Total.....</b>	<b>41</b>
Ross County.....	2	<b>Washington (May):</b>	
Scioto County.....	1	Douglas County.....	1
<b>Total.....</b>	<b>18</b>	King County—	
<b>Pennsylvania (May):</b>		Seattle.....	2
Allegheny County.....	16	Kitsap County.....	2
Armstrong County.....	1	Pierce County.....	3
Berks County.....	2	Tacoma.....	2
Center County.....	1	<b>Total.....</b>	<b>10</b>
Delaware County.....	1	<b>Wyoming (May):</b>	
Elk County.....	2	Sheridan County.....	1
Fayette County.....	2		
Indiana County.....	4		
Lackawanna County.....	2		
Lawrence County.....	3		
Luzerne County.....	25		
Mercer County.....	1		
Philadelphia County.....	29		
Schuylkill County.....	1		
Washington County.....	1		
Westmoreland County.....	2		
York County.....	2		

**CEREBROSPINAL MENINGITIS—Continued.**

**City Reports for Week Ended June 15, 1918.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Arlington, Mass.		1	Milwaukee, Wis.	3	
Atlanta, Ga.	1		Nashville, Tenn.	2	3
Baltimore, Md.	1	2	New Haven, Conn.	1	1
Boston, Mass.	9	1	New Orleans, La.	2	2
Chicago, Ill.	6	3	New York, N. Y.	10	3
Cincinnati, Ohio.		1	Oklahoma City, Okla.		1
Cleveland, Ohio.	3	1	Philadelphia, Pa.	1	1
Covington, Ky.		1	Pittsburgh, Pa.	1	
Detroit, Mich.	4	1	Plainfield, N. J.		1
Fall River, Mass.	1		Providence, R. I.	3	
Indianapolis, Ind.	1	1	St. Louis, Mo.	2	
Kansas City, Mo.	1		Schenectady, N. Y.		1
Lowell, Mass.	2		Shelbyville, Ind.		1
Ludington, Mich.	3	1	Troy, N. Y.	1	
Lynchburg, Va.		1	Yonkers, N. Y.		1

**ERYSIPELAS.**

**City Reports for Week Ended June 15, 1918.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.	1		Milwaukee, Wis.	1	
Anderson, Ind.	1		Minneapolis, Minn.	2	1
Baltimore, Md.	1		Newark, N. J.	2	
Buffalo, N. Y.		1	New York, N. Y.		3
Chicago, Ill.	8	1	Philadelphia, Pa.	2	
Cleveland, Ohio.	5		Portland, Oreg.	1	
Denver, Colo.	4		Rochester, N. Y.	2	2
Detroit, Mich.	4		St. Joseph, Mo.	3	
Duluth, Minn.	2		St. Paul, Minn.		1
Jacksonville, Ill.	1		San Diego, Cal.	1	
Los Angeles, Cal.	3		Schenectady, N. Y.	1	

**MALARIA.**

**State Reports for April and May, 1918.**

Place.	New cases reported.	Place.	New cases reported.
Illinois (May):		Kansas (May):	
Bond County—		Greenwood—	
Panama.....	1	Severy.....	2
Clinton County—		Mississippi (May):	
Germantown.....	9	Adams County.....	37
Crawford County—		Alcorn County.....	73
Robinson.....	2	Amite County.....	114
Fayette County—		Benton County.....	15
Avena Township.....	2	Bollivar County.....	901
Hamilton County—		Calhoun County.....	103
Beaver Creek Township.....	1	Carroll County.....	67
Jackson County—		Chickasaw County.....	40
Grand Tower Township.....	5	Choctaw County.....	75
Johnson County—		Claiborne County.....	55
Vienna.....	3	Clarke County.....	40
Kendall County—		Clay County.....	62
Bristol Township.....	1	Coahoma County.....	611
Randolph County—		Copiah County.....	144
Ellis Grove.....	3	Covington County.....	174
Richland County—		De Soto County.....	88
Calhoun.....	3	Franklin County.....	64
White County—		George County.....	52
Maulie.....	3	Greene County.....	54
Williamson County—		Grenada County.....	42
Cambria.....	1	Hancock County.....	151
Johnston City.....	6	Harrison County.....	107
Total.....	40	Hinds County.....	317
		Holmes County.....	409

## MALARIA—Continued.

## State Reports for April and May, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Mississippi (May)—Continued.</b>		<b>South Carolina (May)—Continued.</b>	
Issaquena County.....	90	Marion County.....	27
Itawamba County.....	70	Spartanburg County.....	1
Jackson County.....	52	Union County.....	1
Jasper County.....	91	<b>Total.....</b>	<b>113</b>
Jefferson County.....	105	<b>Virginia (April):</b>	
Jefferson Davis County.....	97	Accomac County.....	3
Jones County.....	78	Chincoteague.....	5
Kemper County.....	76	Tangier.....	1
Lafayette County.....	100	Amelia County.....	1
Lamar County.....	135	Appomattox County.....	1
Lauderdale County.....	22	Bedford County.....	4
Lawrence County.....	161	Brunswick County.....	5
Leake County.....	80	Campbell County—	
Lee County.....	228	Brockneal.....	1
Leflore County.....	565	Caroline County.....	3
Lincoln County.....	122	Charles City County.....	2
Lowndes County.....	82	Chesterfield County.....	9
Madison County.....	70	Winterpock.....	3
Marion County.....	238	Clarke County.....	1
Marshall County.....	95	Dinwiddie County.....	11
Monroe County.....	150	Essex County.....	2
Montgomery County.....	66	Giles County.....	1
Neshoba County.....	35	Gloucester County.....	6
Newton County.....	104	Goochland County.....	1
Noxubee County.....	60	Grayson County.....	1
Oktibbeha County.....	81	Greensville County—	
Panola County.....	203	Emporia.....	8
Pearl River County.....	70	North Emporia.....	2
Perry County.....	160	Halifax County.....	15
Pike County.....	93	Houston.....	2
Pontotoc County.....	141	South Boston.....	2
Prentiss County.....	131	Hanover County.....	3
Rankin County.....	85	Henrico County.....	10
Scott County.....	121	Richmond.....	5
Sharkey County.....	61	Henry County.....	1
Simpson County.....	116	Isle of Wight County.....	17
Smith County.....	63	James City County.....	7
Stone County.....	52	King George County.....	6
Sunflower County.....	452	King and Queen County.....	3
Tallahatchie County.....	299	Lancaster County.....	11
Tate County.....	181	Louisa County.....	1
Tippah County.....	79	Lunenburg County.....	6
Tishomingo County.....	142	Victoria.....	1
Tunica County.....	240	Mathews County.....	3
Union County.....	108	Middlesex County.....	2
Walthall County.....	48	Nansemond County.....	14
Warren County.....	314	Suffolk.....	2
Washington County.....	329	Northampton County.....	6
Wayne County.....	415	Cape Charles.....	2
Webster County.....	21	Northumberland County.....	11
Wilkinson County.....	85	Nottaway County.....	1
Winston County.....	187	Orange County.....	1
Yalobusha County.....	197	Patrick County.....	8
Yazoo County.....	527	Pittsylvania County.....	6
<b>Total.....</b>	<b>11,477</b>	Powhatan County.....	5
<b>New Jersey (May):</b>		Princess Anne County.....	27
Bergen County.....	3	Prince Edward County.....	4
Burlington County.....	9	Prince George County.....	10
Camden County.....	4	Hopewell.....	5
Essex County.....	2	Prince William County.....	3
Hudson County.....	3	Manassas.....	3
Mercer County.....	1	Roanoke County—	
Somerset County.....	1	Salem.....	2
Sussex County.....	3	Southampton County.....	13
<b>Total.....</b>	<b>26</b>	Franklin.....	2
<b>Ohio (May):</b>		Stafford County.....	2
Champaign County.....	1	Surry County.....	8
Portage County.....	1	Sussex County.....	16
Ross County.....	1	Warwick County.....	6
<b>Total.....</b>	<b>3</b>	Westmoreland County—	
<b>South Carolina (May):</b>		Colonial Beach.....	1
Chester County.....	14	Wise County—	
Hampton County.....	70	Norton.....	1
		<b>Total.....</b>	<b>330</b>

**MALARIA—Continued.**

**City Reports for Week Ended June 15, 1918.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Albany, Ga.....	2	.....	Memphis, Tenn.....	2	1
Alexandria, La.....	9	.....	Mobile, Ala.....	.....	1
Anniston, Ala.....	4	.....	Newark, N. J.....	1	.....
Atlanta, Ga.....	2	.....	New Orleans, La.....	3	.....
Baltimore, Md.....	1	.....	North Little Rock, Ark.....	1	.....
Dallas, Tex.....	1	.....	Oklahoma City, Okla.....	.....	1
Hattiesburg, Miss.....	23	.....	Richmond, Va.....	2	.....
Little Rock, Ark.....	8	.....	Sedalia, Mo.....	1	.....
Louisville, Ky.....	1	.....	Trenton, N. J.....	1	.....

**PELLAGRA.**

**State Reports for April and May, 1918.**

Place.	New cases reported.	Place.	New cases reported.
<b>Illinois (May):</b>		<b>Mississippi (May)—Continued.</b>	
McDonough County—		Neshoba County.....	8
Tennessee.....	1	Noxubee County.....	11
<b>Kansas (May):</b>		Oktibbeha County.....	10
Cherokee County—		Panola County.....	9
Galena.....	2	Pearl River County.....	33
Columbus.....	1	Perry County.....	7
<b>Total.....</b>	<b>3</b>	Pike County.....	23
<b>Mississippi (May):</b>		Pontotoc County.....	9
Adams County.....	3	Prentiss County.....	6
Alcorn County.....	8	Rankin County.....	5
Amite County.....	4	Scott County.....	7
Benton County.....	1	Sharkey County.....	5
Bolivar County.....	164	Simpson County.....	9
Calhoun County.....	3	Smith County.....	1
Carroll County.....	3	Stone County.....	1
Chickasaw County.....	10	Sunflower County.....	123
Claiborne County.....	4	Tallahatchie County.....	42
Clarke County.....	8	Tate County.....	12
Clay County.....	7	Tippah County.....	14
Coahoma County.....	116	Tishomingo County.....	14
Copiah County.....	39	Tunica County.....	19
Covington County.....	17	Union County.....	8
De Soto County.....	21	Walthall County.....	19
Franklin County.....	3	Warren County.....	16
George County.....	18	Washington County.....	45
Greene County.....	8	Wayne County.....	20
Grenada County.....	1	Webster County.....	4
Hancock County.....	3	Wilkinson County.....	5
Harrison County.....	15	Yalobusha County.....	2
Hinds County.....	43	Yazoo County.....	60
Holmes County.....	10	<b>Total.....</b>	<b>1,385</b>
Itawamba County.....	6	<b>Ohio (May):</b>	
Jackson County.....	4	Cuyahoga County.....	1
Jasper County.....	8	Mahoning County.....	1
Jefferson County.....	10	<b>Total.....</b>	<b>2</b>
Jefferson Davis County.....	6	<b>South Carolina (May):</b>	
Jones County.....	16	Anderson County.....	1
Kemper County.....	11	Chester County.....	5
Lafayette County.....	4	Greenville County.....	1
Lamar County.....	10	Greenwood County.....	3
Lauderdale County.....	6	Hampton County.....	3
Lawrence County.....	11	Laurens County.....	2
Leake County.....	3	Lexington County.....	1
Lee County.....	42	Marion County.....	11
Leflore County.....	38	Richland County.....	1
Lincoln County.....	36	Spartanburg County.....	23
Lowndes County.....	11	Union County.....	2
Madison County.....	34	York County.....	5
Marion County.....	41	<b>Total.....</b>	<b>58</b>
Marshall County.....	9		
Monroe County.....	19		
Montgomery County.....	4		



## PELLAGRA—Continued.

## State Reports for April and May, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Virginia (April):		Virginia (April):—Continued.	
Acomac County.....	1	Louisa County.....	1
Tangier.....	1	Middlesex County.....	1
Amherst County—		Montgomery County.....	1
Amherst.....	1	Nelson County.....	1
Angusta County.....	1	Northampton County.....	2
Botetourt County.....	1	Powhatan County.....	1
Chesterfield County.....	1	Roanoke County—	
Winterpock.....	3	Roanoke.....	1
Dinwiddie County—		Salem.....	1
Petersburg.....	2	Smyth County—	
Greensville County—		Marion.....	1
North Emporia.....	1	Southampton County.....	1
Hanover County.....	2	Wise County.....	2
Henry County.....	3	Big Stone Gap.....	2
James City County.....	1	Total.....	36
Lancaster County.....	2		
Lee County.....	1		

## City Reports for Week Ended June 15, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Augusta, Ga.....		1	Mobile, Ala.....		1
Baltimore, Md.....	1		Nashville, Tenn.....	4	1
Birmingham, Ala.....	3	5	New Orleans, La.....	2	2
Charleston, S. C.....		2	Oklahoma City, Okla.....		1
Dallas, Tex.....		2	Raleigh, N. C.....	2	
El Paso, Tex.....		1	Richmond, Va.....		1
Fort Worth, Tex.....		1	Rocky Mount, N. C.....		1
Hattiesburg, Miss.....	1		Spartanburg, S. C.....	6	1
Kalamazoo, Mich.....	1	1	Stockton, Cal.....	1	
Memphis, Tenn.....	5	1			

## PLAGUE.

## California—Plague-Infected Squirrels Found.

On June 27, 1918, four plague-infected squirrels were reported found in California, two in Alameda County, one in Contra Costa County, and one in San Mateo County. On July 2, 1918, seven additional plague-infected squirrels were reported from Alameda County, making a total of 17 found in California since June 1, 1918.

## PNEUMONIA.

## City Reports for Week Ended June 15, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Cal.....	1	1	Flint, Mich.....	1	
Anderson, Ind.....	1	1	Grand Rapids, Mich.....	2	
Ann Arbor, Mich.....	1		Green Bay, Wis.....	1	1
Baltimore, Md.....	10	5	Greensboro, N. C.....	1	
Boston, Mass.....	6	3	Greenwich, Conn.....	1	1
Cambridge, Mass.....	1		Haverhill, Mass.....	2	
Chicago, Ill.....	49	24	Kansas City, Kans.....	1	
Cleveland, Ohio.....	12	9	Kansas City, Mo.....	1	6
Chaton, Mass.....	1		Lackawanna, N. Y.....	1	
Corpus Christi, Tex.....	1	1	Lawrence, Mass.....	1	1
Cranston, R. I.....	1	1	Little Falls, N. Y.....	1	1
Dayton, Ohio.....	1		Loraln, Ohio.....	1	
Detroit, Mich.....	3	8	Los Angeles, Cal.....	6	4
Fall River, Mass.....	1		Lowell, Mass.....	1	1

**PNEUMONIA—Continued.**

**City Reports for Week Ended June 15, 1918—Continued.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Ludington, Mich.....	1	1	Philadelphia, Pa.....	36	24
Malden, Mass.....	1	1	Pittsfield, Mass.....	1	1
Manchester, N. H.....	2	2	Pontiac, Mich.....	3	1
Manitowoc, Wis.....	1	1	Providence, R. I.....	1	3
Marshall, Tex.....	1	1	Rochester, N. Y.....	2	3
Methuen, Mass.....	1	1	Sacramento, Cal.....	1	1
Michigan City, Ind.....	2	2	St. Cloud, Minn.....	1	1
Middletown, N. Y.....	1	1	San Diego, Cal.....	1	1
Newark, N. J.....	23	6	Schenectady, N. Y.....	3	1
New Bedford, Mass.....	1	1	Somerville, Mass.....	1	1
North Tonowanda, N. Y.....	2	1	Springfield, Mass.....	4	1
Oak Park, Ill.....	1	1	Stockton, Cal.....	4	4
Oshkosh, Wis.....	1	1	Wilmington, Del.....	2	2
Parkersburg, W. Va.....	1	1	Worcester, Mass.....	3	2

**POLIOMYELITIS (INFANTILE PARALYSIS).**

**New Jersey—Orange—Correction.**

The report of three deaths from poliomyelitis at Orange, N. J., during the week ended April 20, 1918, as published in the PUBLIC HEALTH REPORTS of May 10, 1918, page 739, was an error. The three deaths should have been reported as due to pneumonia.

**State Reports for April and May, 1918.**

Place.	New cases reported.	Place.	New cases reported.
Connecticut (May):		Iowa (May):	
Middlesex County—		Calhoun County.....	1
Essex.....	1	Kansas (May):	
New London County—		Pottawatomie County—	
Voluntown.....	1	Belvue.....	1
Total.....	2	Sumner County—	
Illinois (May):		Wellington.....	1
Bureau County—		Total.....	2
Hall township.....	1	Minnesota (May):	
Cook County—		Crow Wing County—	
Blue Island.....	1	Deerwood.....	1
Chicago.....	3	St. Louis County—	
Grundy County—		Duluth.....	1
Carbon Hill.....	1	Total.....	2
Macon County—		Mississippi (May):	
Macon.....	1	Choctaw County.....	2
Madison County—		Tallahatchie County.....	1
Alton.....	2	Total.....	3
McHenry County—		New Jersey (May):	
Woodstock.....	2	Essex County.....	1
Saline County—		Hudson County.....	1
Raleigh.....	1	Total.....	2
Sangamon County—		North Carolina (May):	
Springfield.....	1	Johnston County.....	1
Stephenson County—		Pitt County.....	1
Freeport.....	1	Rowan County.....	1
Will County—		Wake County.....	1
Frankfort.....	1	Total.....	4
Frankfort township.....	1	North Dakota (May):	
Total.....	16	Burleigh County.....	3
Indiana (May):			
Johnson County.....	1		
Knox County.....	1		
Marion County.....	1		
Total.....	3		

## POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

## State Reports for April and May, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
Ohio (May):		South Carolina (May):	
Ashtabula County.....	1	Florence County.....	1
Cuyahoga County.....	1		
Lucas County.....	1	Virginia (April):	
Scioto County.....	1	Amelia County.....	1
Summit County.....	1	Fairfax County.....	1
Washington County.....	1	Powhatan County.....	2
Total.....	6	Total.....	4
Pennsylvania (May):		Washington (May):	
Adams County.....	1	Cowlitz County.....	1
Butler County.....	1	Ferry County.....	1
Cambria County.....	1	Total.....	2
Lawrence County.....	1		
Susquehanna County.....	1		
Total.....	5		

## City Reports for Week Ended June 15, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	1		Ludington, Mich.....	4	
Buffalo, N. Y.....	1	1	Newark, N. J.....	1	
Chicago, Ill.....	2		New York, N. Y.....	2	2
Cleveland, Ohio.....		1	Racine, Wis.....	1	
Fall River, Mass.....	1		St. Louis, Mo.....	1	
Greenville, S. C.....	1		San Diego, Cal.....	2	
Kansas City, Mo.....	1		Tacoma, Wash.....	1	
Little Rock, Ark.....		1	Waco, Tex.....	1	

## RABIES IN ANIMALS.

## City Reports for Week Ended June 15, 1918.

During the week ended June 15, 1918, there were reported three cases of rabies in animals at Stockton, Cal., and one case each at Memphis, Tenn., Passaic, N. J., and Rahway, N. J.

## RABIES IN MAN.

## City Report for Week Ended June 15, 1918.

There was reported during the week ended June 15, 1918, one death from rabies at New Orleans, La.

## ROCKY MOUNTAIN SPOTTED FEVER.

## State Reports for May, 1918.

During the month of May, 1918, one case of Rocky Mountain spotted fever was notified in Washoe County, Nev.; and in Wyoming three cases were notified, one each in Johnson, Park, and Sweetwater Counties.

**SMALLPOX.**

**New Jersey—Paulsboro.**

During the period from June 24 to 27, 1918, 13 cases of smallpox were notified at Paulsboro, N. J. A number of earlier cases, in which the lesions were about healed, were also located.

**State Reports for May, 1918.**

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
<b>Kansas:</b>						
Allen County—						
Iola.....	24			1	23	
La Harpe.....	18				18	
Moran.....	2				2	
Anderson County—						
Garnett.....	2				2	
Grealey.....	2				2	
Haskell.....	2				2	
Welda.....	1				1	
Atchison County—						
Atchison.....	11				11	
Barton County—						
Ellinwood.....	1				1	
Great Bend.....	1				1	
Pawnee Rock.....	1				1	
Bourbon County—						
Fort Scott.....	28				28	
Fulton.....	1				1	
Garland.....	3				3	
Hiattville.....	2				2	
Mapleton.....	5				5	
Xenia.....	1				1	
Brown County—						
Hamlin.....	3				3	
Hiawatha.....	2			1	1	
Horton.....	7			1	6	
Morrill.....	1				1	
Reserve.....	6				6	
Butler County—						
Augusta.....	9				9	
El Dorado.....	34				34	
Latham.....	3				3	
Potwin.....	2				2	
Chase County—						
Elmdale.....	1				1	
Cottonwood Falls.....	1				1	
Chautauqua County—						
Cedar Vale.....	11				11	
Sedan.....	2				2	
Cherokee County—						
Baxter Springs.....	2				2	
Chetopa.....	1				1	
Columbus.....	23				23	
Galena.....	1				1	
Hallowell.....	9				9	
Roseland.....	1				1	
Scammon.....	15				15	
Sherwin.....	2				2	
Trecee.....	1				1	
Weir City.....	21				21	
West Mineral.....	9				9	
Cheyenne County—						
St. Francis.....	3				3	
Clark County—						
Ashland.....	6				6	
Englewood.....	1				1	
Clay County—						
Morganville.....	1				1	
Cloud County—						
Ames.....	2				2	
Clyde.....	2				2	
Jamestown.....	2				2	

## SMALLPOX—Continued.

## State Reports for May, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Coffey County—						
Leroy.....	2				2	
Strawn.....	1				1	
Cowley County—						
Arkansas City.....	10				10	
New Salem.....	1				1	
Crawford County—						
Arma.....	2				2	
Cherokee.....	1		1			
Chicopee.....	1				1	
Croweburg.....	1				1	
Dunkirk.....	1				1	
Girard.....	4				4	
Mulberry.....	6				5	1
Opolis.....	1				1	
Pittsburg.....	6				6	
Ringo.....	1				1	
Decatur County—						
Dresden.....	1				1	
Norcatour.....	13				13	
Dickinson County—						
Abilene.....	1				1	
Chapman.....	2				2	
Herington.....	7				7	
Hope.....	3				3	
Navarre.....	1				1	
Solomon.....	1				1	
Doniphan County—						
Elwood.....	3				3	
Leona.....	1				1	
Douglas County—						
Lawrence.....	5				5	
Lecompton.....	1				1	
Edwards County—						
Belpre.....	6				6	
Kinsley.....	2				2	
Lewis.....	1				1	
Ellis County—						
Hays.....	5		1		4	
Ford County—						
Bucklin.....	2				2	
Franklin County—						
Ottawa.....	2				2	
Rantoul.....	4				4	
Wellsville.....	1				1	
Gearry County—						
Junction.....	3				3	
Graham County—						
Bogue.....	5				5	
Hill City.....	8				8	
Grant County—						
New Ulysses.....	3				3	
Gray County—						
Ingalls.....	1				1	
Greenwood County—						
Reece.....	1				1	
Harper County—						
Anthony.....	1			1		
Harvey County—						
Newton.....	4				4	
Bedgwick.....	1				1	
Haskell County—						
Satanta.....	12				12	
Jackson County—						
Meriden.....	2				2	
Jefferson County—						
McLouth.....	1				1	
Meriden.....	1				1	
Jewell County—						
Jewell City.....	4				4	
Mankato.....	1				1	

SMALLPOX—Continued.

State Reports for May, 1918—Continued.

Place	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
<b>Kansas—Continued.</b>						
<b>Johnson County—</b>						
Olathe.....	3				3	
South Park.....	1				1	
Stilwell.....	1				1	
Waldo.....	1				1	
<b>Kingman County—</b>						
Cheney.....	2				2	
Nashville.....	6				6	
<b>Labette County—</b>						
Chetopa.....	4				4	
Parsons.....	11				11	
<b>Leavenworth County—</b>						
Easton.....	2				2	
Leavenworth.....	13				13	
Tonganoxie.....	5				5	
<b>Linn County—</b>						
Mound City.....	2				2	
Parker.....	20				20	
<b>Logan County—</b>						
Oakley.....	1				1	
<b>Lyon County—</b>						
Emporia.....	1					1
Miller.....	1				1	
<b>Marion County—</b>						
Hillsboro.....	1				1	
Lost Springs.....	1				1	
Marion.....	1				1	
Peabody.....	2		1		1	
Tampa.....	2			2		
<b>Marshall County—</b>						
Barrett.....	1				1	
Beattie.....	2		1		1	
Blue Rapids.....	11				11	
Frankfort.....	1				1	
<b>McPherson County—</b>						
Canton.....	3			1	2	
<b>Meade County—</b>						
Plains.....	1				1	
<b>Miami County—</b>						
Osawatomie.....	5				5	
Paola.....	4				4	
<b>Mitchell County—</b>						
Cawker City.....	6				6	
Glen Elder.....	1				1	
Hunter.....	1				1	
<b>Montgomery County—</b>						
Caney.....	3				3	
Cherryvale.....	3				3	
Coffeyville.....	51			5	46	
Independence.....	7			1	6	
<b>Morris County—</b>						
Council Grove.....	4				4	
<b>Morton County—</b>						
Elkhart.....	1				1	
<b>Nemaha County—</b>						
Centralla.....	1				1	
<b>Neosho County—</b>						
Chazute.....	11				11	
Erie.....	2				2	
St. Paul.....	3				3	
Thayer.....	1				1	
<b>Ness County—</b>						
Utica.....	9				9	
<b>Norton County—</b>						
Almena.....	8			1	7	
Norcatar.....	1				1	
<b>Osage County—</b>						
Olivet.....	5				5	
Quensmo.....	1				1	

## SMALLPOX—Continued.

## State Reports for May, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Osborne County—						
Covert.....	1				1	
Downs.....	1				1	
Osborne.....	11				10	1
Ottawa County—						
Culver.....	6				4	2
Pawnee County—						
Larned.....	2				2	
Rozel.....	15				15	
Phillips County—						
Legan.....	1				1	
Phillipsburg.....	2				2	
Pottawatomie County—						
Loudsville.....	1				1	
St. Marys.....	2				2	
Wamego.....	1					1
Pratt County—						
Fruel.....	9				9	
Pratt.....	10				10	
Reno County—						
Castleton.....	1				1	
Haven.....	2				2	
Hatchinson.....	13				13	
Nickerson.....	1			1		
Pretty Prairie.....	21			3	18	
Yoder.....	4				4	
Republic County—						
Belleville.....	1				1	
Copeland.....	5			1	4	
Rice County—						
Lyons.....	1				1	
Biley County—						
Manhattan.....	7			1	6	
Books County—						
Zurich.....	2				2	
Rush County—						
LaCrosse.....	2				2	
Russell County—						
Dorrance.....	1				1	
Paradise.....	3				3	
Russell.....	1				1	
Saline County—						
Salina.....	26			1	25	
Sedgwick County—						
Andale.....	6				6	
Derby.....	1				1	
Malze.....	1				1	
Potwin.....	1				1	
Valley Center.....	3				3	
Wichita.....	116				116	
Seward County—						
Liberal.....	2				2	
Shawnee County—						
Oakland.....	3				3	
Richland.....	2			1	1	
Rossville.....	1				1	
Topeka.....	39			1	38	
Sheridan County—						
Hoxie.....	1				1	
Smith County—						
Bellair.....	1				1	
Gaylord.....	1				1	
Stafford County—						
Stafford.....	1				1	
St. John.....	1				1	
Sumner County—						
Caldwell.....	1				1	
Conway Springs.....	1				1	
Mulvane.....	1				1	

SMALLPOX—Continued.

State Reports for May, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
<b>Kansas—Continued.</b>						
Trego County—						
Wakeeney.....	3				3	
Washington County—						
Washington.....	2				2	
Wilson County—						
Buffalo.....	2				2	
Coyville.....	2				2	
Fredonia.....	8				8	
La Fontaine.....	1				1	
Neodesha.....	2				2	
Woodson County—						
Yates Center.....	6				6	
Wyandotte County—						
Bonner Springs.....	7				7	
Kansas City.....	42		1	1	39	1
Rosedale.....	4				4	
Welborne.....	2				2	
<b>Total.....</b>	<b>1,082</b>		<b>5</b>	<b>24</b>	<b>1,046</b>	<b>7</b>
<b>Minnesota:</b>						
Beltrami County—						
Bemidji.....	1				1	
Carlton County—						
Cloquet.....	2				2	
Carver County—						
Watertown Township.....	6				6	
Cass County—						
Pillager.....	3				3	
Chippewa County—						
Leenthrop Township.....	1				1	
Chisago County—						
Amador Township.....	1				1	
Clay County—						
Moorhead.....	1				1	
Viding Township.....	1				1	
Cottonwood County—						
Rose Hill Township.....	1				1	
Crow Wing County—						
Brainerd.....	1				1	
Pequot.....	1			1		
Garrison Township.....	1				1	
Dakota County—						
Hastings.....	3				3	
Faribault County—						
Emerald Township.....	1				1	
Verona Township.....	2				2	
Fillmore County—						
Preston.....	1				1	
Goodhue County—						
Kenyon.....	7			3	1	3
Red Wing.....	2				2	
Holden Township.....	4					4
Welch Township.....	7				7	
Hennepin County—						
Minneapolis.....	65			6	59	
St. Louis Park.....	3			1	2	
Itasca County—						
Bovey.....	1			1		
Kandiyohi County—						
New London.....	1				1	
Willmar.....	3				3	
Kittson County—						
St. Joseph Township.....	1				1	
Lac qui Parle County—						
Madison.....	1				1	
Lincoln County—						
Diamond Lake Township.....	2				2	
Lyon County—						
Clifton Township.....	1					1



## SMALLPOX—Continued.

## State Reports for May, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
<b>Minnesota—Continued.</b>						
McLeod County—						1
Hutchinson.....	1					
Mahnomen County—					3	
Pembina Township.....	3					
Martin County—						
Truman.....	4			1	3	
Meeker County—						
Litchfield.....	2				2	
Mille Lacs County—						
Onamia.....	1				1	
Mower County—						
Adams.....	21			1	20	
Austin.....	1				1	
Norman County—						
Fossum Township.....	1				1	
Olmsted County—						
Dover.....	2				2	
Rochester.....	2			1	1	
Rock Dell Township.....	1				1	
Viola Township.....	2				2	
Pine County—						
Pine City Township.....	1				1	
Polk County—						
East Grand Forks.....	1				1	
Sandsville Township.....	1			1		
Ramsey County—						
St. Paul.....	22				22	
Redwood County—						
Lamberton.....	1				1	
Renville County—						
Fairfax.....	1				1	
Rice County—						
Walcott Township.....	2				2	
St. Louis County—						
Duluth.....	5			1	4	
Hibbing.....	1				1	
Virginia.....	1				1	
Stearns County—						
St. Cloud.....	1				1	
Sartell.....	1				1	
Todd County—						
West Union.....	1				1	
Wabasha County—						
Kellogg.....	1				1	
Washington County—						
Oakdale Township.....	3				3	
Watsonwan County—						
St. James Township.....	3				3	
Wilkin County—						
Breckenridge.....	1				1	
Winona County—						
Winona.....	2			1	1	
Wright County—						
French Lake Township.....	2				2	
Fort Snelling.....	1				1	
<b>Total.....</b>	<b>218</b>			<b>18</b>	<b>191</b>	<b>9</b>
<b>Ohio:</b>						
Allen County.....	20				2	18
Ashland County.....	4			1	3	
Ashtabula County.....	9			1		8
Athens County.....	4					4
Auglaize County.....	10			1	3	6
Brown County.....	43				1	42
Butler County.....	73		2	36		35
Champaign County.....	4				1	3
Clarke County.....	2					2
Clinton County.....	7					7

SMALLPOX—Continued.

State Reports for May, 1918—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Ohio—Continued.						
Columbiana County.....	54		11	2	17	24
Coshocton County.....	1					1
Crawford County.....	43				24	19
Cuyahoga County.....	167			1	2	16
Darke County.....	3				2	1
Defiance County.....	6				6	
Delaware County.....	23				25	3
Erie County.....	5		3		1	1
Fairfield County.....	16			2	4	10
Payette County.....	3				3	
Franklin County.....	20				17	3
Fulton County.....	11				1	10
Green County.....	6					6
Hamilton County.....	48			1	9	38
Henry County.....	24		2		21	1
Holmes County.....	12					12
Huron County.....	1					1
Jackson County.....	25				1	24
Jefferson County.....	4			1	2	1
Knox County.....	2				1	1
Lake County.....	2				1	1
Licking County.....	5					5
Lorain County.....	23			2	9	12
Lucas County.....	21					21
Madison County.....	10				1	9
Mahoning County.....	5					5
Marion County.....	5					5
Medina County.....	23				17	6
Meigs County.....	10					10
Mercer County.....	6					6
Montgomery County.....	24				1	23
Morgan County.....	1					1
Morrow County.....	7					7
Muskingum County.....	15				3	12
Noble County.....	4					4
Ottawa County.....	5					5
Perry County.....	10		1		1	8
Pickaway County.....	8				3	5
Pike County.....	2					2
Portage County.....	48		2	1	5	40
Putnam County.....	6		1		3	2
Ross County.....	7				2	5
Sandusky County.....	2				1	1
Scioto County.....	58				40	18
Seneca County.....	1					1
Shelby County.....	21				5	16
Stark County.....	15			1	2	12
Summit County.....	96		3		14	79
Trumbull County.....	6				6	
Tuscarawas County.....	10			1	3	6
Van Wert County.....	1					1
Warren County.....	12				4	8
Washington County.....	14			1	12	1
Wayne County.....	20				2	18
Wood County.....	3					3
Total.....	1,161		25	52	281	803

SMALLPOX—Continued.

Miscellaneous State Reports for April and May, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Connecticut (May):</b>			<b>Illinois (May):</b>		
Hartford County—			Adams County—		
Hartford.....	5		Ellington Township.....	6	
Litchfield County—			Melrose Township.....	2	
Colebrook.....	1		Quincy.....	57	
New London County—			Alexander County—		
Griswold.....	4		Cairo.....	1	
Voluntown.....	2		Boone County—		
Total.....	12		Spring Township.....	2	
			Bureau County—		
			Leeperstown Town- ship.....	1	
			Cass County—		
			Chandlersville.....	1	
			Champaign County—		
			Champaign.....	2	
			Compromise Town- ship.....	1	
			Ogden Township.....	2	
			Sadorus Township.....	2	
			Sidney Township.....	1	
			Christian County—		
			Asumption Town- ship.....	1	
			Bear Creek Township.....	4	
			King Township.....	1	
			Morrisonville.....	15	
			Ricks Township.....	3	
			Stonington Township.....	1	
			Taylorville.....	2	
			Clark County—		
			Wabash Township.....	3	
			Clinton County—		
			Breese.....	1	
			Breese Township.....	1	
			Cook County—		
			Blue Island.....	1	
			Chicago.....	13	
			Crawford County—		
			Palestine.....	5	
			Cumberland County—		
			Union Township.....	6	
			De Kalb County—		
			Kingston.....	8	
			De Witt County—		
			Turnbridge Township.....	3	
			Edgar County—		
			Hume.....	2	
			Fayette County—		
			Carson Township.....	1	
			Lone Grove Town- ship.....	2	
			Pope Township.....	2	
			Ramsey Township.....	10	
			Seminary Township.....	2	
			Wheatland Township.....	1	
			Franklin County—		
			Benton.....	4	
			Browning Township.....	1	
			Deming Township.....	2	
			Fulton County—		
			Bryan.....	11	
			Canton.....	6	
			Canton Township.....	1	
			Farmington.....	5	
			Harris Township.....	4	
			Gallatin County—		
			Equality Township.....	1	
			Hamilton County—		
			Crouch Townshp.....	8	
			Illinois (May)—Continued.		
			Henry County—		
			Hanna Township.....	1	
			Iroquois County—		
			Artesia Township.....	1	
			Buckley.....	1	
			Omarga.....	20	
			Jackson County—		
			Elk Township.....	6	
			Murphysboro.....	3	
			Jo Daviess County—		
			Rawlins Township.....	3	
			Kane County—		
			Aurora.....	1	
			Aurora Township.....	1	
			Elgin.....	2	
			Kankakee County—		
			Momence.....	1	
			Kendall County—		
			Oswego.....	5	
			Knox County—		
			Galesburg.....	10	
			Henderson.....	1	
			Henderson Township.....	1	
			Lake County—		
			Waukegan.....	1	
			Laurence County—		
			Bridgeport.....	7	
			Petty Township.....	2	
			Logan County—		
			Lincoln.....	1	
			Macon County—		
			Argenta.....	10	
			Decatur.....	7	
			Niantic Township.....	1	
			Macoupin County—		
			Barr Township.....	8	
			South Palmyra Township.....	1	
			Madison County—		
			Alton.....	16	
			Collinsville.....	2	
			Eaton.....	3	
			Granite City.....	13	
			Helvetia Township.....	1	
			Mason County—		
			Bath Township.....	8	
			Lynchburg Township.....	1	
			McLean County—		
			Bloomington.....	3	
			Cropsey Township.....	9	
			Empire Township.....	1	
			Lexington.....	4	
			Normal.....	1	
			Montgomery County—		
			Coffeen.....	4	
			Pitman Township.....	1	
			Witt Township.....	1	
			Morgan County—		
			Murrayville.....	1	
			Ogle County—		
			Flagg Township.....	5	
			Peoria County—		
			Averyville.....	5	
			Glassford.....	2	
			Peoria.....	26	
			Richwood Township.....	2	
			Randolph County—		
			Chester.....	1	
			Ellis Grove.....	1	
			Evansville.....	17	
			Sparta.....	3	
			Rock Island County—		
			East Moline.....	8	
			Moline.....	1	
			Rock Island.....	2	
			Saline County—		
			Carriers Mills.....	6	
			Carriers Mills Town- ship.....	2	
			Eldorado.....	40	

SMALLPOX—Continued.

Miscellaneous State Reports for April and May, 1918—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Illinois (May)—Continued.</b>			<b>Indiana (May)—Continued.</b>		
Saline County—Contd.			Pike County.....	2	
Independence Town-			Porter County.....	1	
ship.....	3		Putnam County.....	5	
Raleigh.....	15		Randolph County.....	3	
Raleigh Township.....	2		Rush County.....	1	
Sangamon County—			Shelby County.....	9	
Springfield.....	22		Steuben County.....	1	
St. Clair County—			St. Joseph County.....	3	
Belleville.....	17		Switzerland County.....	1	
Lebanon.....	4		Tippecanoe County.....	1	
Smithton.....	1		Union County.....	2	
Stephenson County—			Vanderburg County.....	14	
Freeport.....	3		Vermillion County.....	1	
Tazewell County—			Vigo County.....	8	
East Peoria.....	4		Warrick County.....	5	
Fondulac.....	2		Wayne County.....	1	
Groveland Township.....	8		Wells County.....	10	
Vermillion County—			White County.....	1	
Fairmont.....	2				
Wabash County—			Total.....	588	
Mount Carmel.....	1				
Warren County—			<b>Iowa (May):</b>		
Roseville Township.....	1		Appanoose County.....	2	
Wayne County—			Black Hawk County.....	1	
Leech Township.....	5		Boone County.....	7	
White County—			Bremer County.....	21	
Carmi.....	6		Buena Vista County.....	1	
Indian Creek Town-			Butler County.....	1	
ship.....	3		Cass County.....	2	
Williamson County—			Cerro Gordo County.....	21	
Blairsville Township.....	2		Chickasaw County.....	1	
Carterville.....	1		Clay County.....	2	
Winnebago County—			Clayton County.....	27	
Rockford.....	1		Clinton County.....	1	
			Dallas County.....	6	
Total.....	599		Davis County.....	1	
			Decatur County.....	1	
<b>Indiana (May):</b>			Des Moines County.....	6	
Allen County.....	10		Dickinson County.....	1	
Benton County.....	2		Dubuque County.....	7	
Boone County.....	1		Fayette County.....	2	
Carroll County.....	1		Floyd County.....	1	
Cass County.....	10		Greene County.....	1	
Clark County.....	20		Grundy County.....	3	
Clay County.....	7		Hamilton County.....	2	
Clinton County.....	3		Hancock County.....	1	
Daviess County.....	2		Harrison County.....	5	
Dearborn County.....	7		Howard County.....	5	
DeKalb County.....	6		Jasper County.....	5	
Delaware County.....	19		Johnson County.....	20	
Elkhart County.....	10		Lee County.....	1	
Fayette County.....	3		Linn County.....	10	
Fulton County.....	1		Lucas County.....	1	
Gibson County.....	7		Lyon County.....	1	
Grant County.....	8		Mahaska County.....	24	
Green County.....	15		Marion County.....	2	
Hamilton County.....	8		Marshall County.....	1	
Hancock County.....	3		Mills County.....	1	
Hendricks County.....	1		Monona County.....	11	
Henry County.....	1		Montgomery County.....	4	
Howard County.....	3		O'Brien County.....	2	
Huntington County.....	3		Page County.....	1	
Jackson County.....	15		Palo Alto County.....	1	
Jay County.....	9		Plymouth County.....	5	
Jennings County.....	1		Polk County.....	64	
Johnson County.....	10		Pottawattamie County.....	27	
Knox County.....	12		Poweshiek County.....	6	
Lake County.....	8		Ringgold County.....	2	
Laporte County.....	2		Scott County.....	18	
Lawrence County.....	12		Shelby County.....	5	
Madison County.....	50		Sioux County.....	1	
Marion County.....	147		Tama County.....	12	
Martin County.....	16		Taylor County.....	1	
Miami County.....	3		Wapello County.....	19	
Monroe County.....	9		Warren County.....	1	
Montgomery County.....	4		Webster County.....	6	
Morgan County.....	22		Winnebago County.....	2	
Noble County.....	20		Woodbury County.....	1	
Ohio County.....	2				
Orange County.....	20		Total.....	384	
Parke County.....	6				

## SMALLPOX—Continued.

## Miscellaneous State Reports for April and May, 1918—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Mississippi (May):			Nebraska (May)—Continued.		
Alcorn County.....	2		Platte County.....	3	
Bolivar County.....	19		Polk County.....	2	
Calhoun County.....	1		Red Willow County.....	7	
Carroll County.....	12		Richardson County.....	7	
Chickasaw County.....	4		Sarpy County.....	24	
Clarke County.....	5		Saunders County.....	8	
Clay County.....	14		Scottsbluff County.....	39	
Coahoma County.....	15		Sheridan County.....	30	
Copiah County.....	2		Sioux County.....	3	
Covington County.....	8		Thurston County.....	2	
De Soto County.....	52		Total.....	546	
Grenada County.....	4		Nevada (May):		
Hinds County.....	17		White Pine County.....	2	
Holmes County.....	5		New Jersey (May):		
Issaquena County.....	5		Burlington County.....	3	
Jones County.....	10		Hudson County.....	1	
Lauderdale County.....	3		Monmouth County.....	1	
Lee County.....	6		Morris County.....	1	
Leflore County.....	32		Total.....	6	
Lincoln County.....	4		North Carolina (May):		
Lowndes County.....	9		Anson County.....	1	
Madison County.....	11		Buncombe County.....	4	
Monroe County.....	6		Burke County.....	1	
Montgomery County.....	1		Caldwell County.....	3	
Newton County.....	2		Caswell County.....	1	
Oktibbeha County.....	9		Cleveland County.....	1	
Panola County.....	10		Cumberland County.....	2	
Pearl River County.....	4		Dare County.....	1	
Perry County.....	3		Edgecombe County.....	2	
Pike County.....	2		Forsyth County.....	26	
Prentiss County.....	2		Gaston County.....	3	
Rankin County.....	11		Guilford County.....	3	
Sharkey County.....	2		Haywood County.....	2	
Simpson County.....	1		Henderson County.....	1	
Sunflower County.....	26		Hoke County.....	1	
Tallahatchie County.....	23		Johnston County.....	1	
Tate County.....	11		Lee County.....	1	
Tippah County.....	7		Macon County.....	3	
Tishomingo County.....	14		Madison County.....	9	
Tunica County.....	17		Martin County.....	1	
Union County.....	1		McDowell County.....	2	
Warren County.....	1		Montgomery County.....	1	
Washington County.....	8		Moore County.....	1	
Wayne County.....	2		New Hanover County.....	1	
Yazoo County.....	10		Pitt County.....	3	
Total.....	413		Richmond County.....	1	
Nebraska (May):			Rockingham County.....	10	
Adams County.....	2		Rowan County.....	4	
Antelope County.....	8		Rutherford County.....	1	
Boone County.....	7		Sampson County.....	4	
Box Butte County.....	5		Stanly County.....	1	
Burt County.....	22		Surry County.....	3	
Butler County.....	1		Vance County.....	6	
Cass County.....	1		Wayne County.....	1	
Cherry County.....	7		Wilson County.....	1	
Cheyenne County.....	18		Yadkin County.....	4	
Clay County.....	3		Total.....	110	
Colfax County.....	39		North Dakota (May):		
Cuming County.....	52		Burleigh County.....	1	
Custer County.....	23		Cass County.....	5	
Dawes County.....	15		Grand Forks County.....	2	
Deuel County.....	3		Morton County.....	1	
Douglas County.....	116		Mountrail County.....	2	
Fillmore County.....	2		Pierce County.....	1	
Franklin County.....	7		Ramsey County.....	6	
Gage County.....	4		Rolette County.....	1	
Hall County.....	10		Sheridan County.....	1	
Hamilton County.....	5		Stutsman County.....	2	
Hitchcock County.....	3		Ward County.....	6	
Johnson County.....	1		Williams County.....	1	
Keith County.....	1		Total.....	29	
Knox County.....	1				
Lancaster County.....	41				
Madison County.....	1				
Merrick County.....	15				
Nuckolls County.....	3				
Otoe County.....	5				

SMALLPOX—Continued.

Miscellaneous State Reports for April and May, 1918—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
<b>Pennsylvania (May):</b>			<b>Virginia (April)—Continued.</b>		
Allegheny County.....	7		Roanoke County—		
Armstrong County.....	2		Roanoke.....	9	
Cambria County.....	30		Rockbridge County.....	20	
Center County.....	3		Russell County.....	29	
Chester County.....	1		Smyth County—		
Clarion County.....	3		Marion.....	4	
Clearfield County.....	2		Spottsylvania County.....	11	
Jauphin County.....	15		Tazewell County.....	10	
Delaware County.....	1		Warwick County—		
Eric County.....	5		Newport News.....	7	
Fulton County.....	1		Washington County—		
Lancaster County.....	1		Abingdon.....	2	
Lebanon County.....	1		Wise County.....	48	
Mercer County.....	1		Norton.....	1	
Philadelphia County.....	3		Wise.....	8	
Somerset County.....	2		Wythe County.....	1	
Venango County.....	1				
Warren County.....	2		<b>Total.....</b>	<b>347</b>	
Washington County.....	12				
Westmoreland County.....	1		<b>Washington (May):</b>		
York County.....	1		Adams County.....	1	
<b>Total.....</b>	<b>95</b>		Ritzville.....	1	
<b>South Carolina (May):</b>			Columbia County.....	10	
Cherokee County.....	3		Dayton.....	1	
Greenville County.....	5		Douglas County.....	1	
Oconee County.....	3		Waterville.....	1	
Richland County.....	1		Ferry County.....	1	
Spartanburg County.....	16		Republic.....	1	
<b>Total.....</b>	<b>28</b>		Grant County.....	3	
<b>Virginia (April):</b>			Coulee City.....	11	
Alexandria County—			Wilson Creek.....	1	
Alexandria.....	4		Grays Harbor County—		
Alleghany County—			Aberdeen.....	1	
Clifton Forge.....	5		Jefferson County—		
Amherst County—			Port Townsend.....	1	
Amherst.....	3		King County.....	1	
Botetourt County.....	3		Seattle.....	31	
Campbell County—			Kitsap County.....	1	
Lynchburg.....	3		Lewis County.....	5	
Caroline County.....	1		Lincoln County.....	3	
Carroll County.....	4		Okanogaw County.....	4	
Charles City County.....	2		Pierce County.....	17	
Charlotte County.....	12		Tacoma.....	4	
Keysville.....	2		Wilkeson.....	8	
Essex County.....	25		Skagit County—		
Fairfax County.....	1		Concrete.....	1	
Franklin County.....	9		Spokane County.....	3	
Grayson County.....	12		Spokane.....	39	
Greene County.....	1		Stevens County.....	4	
Halifax County.....	23		Chewelah.....	1	
Houston.....	1		Marcus.....	3	
Henrico County.....	1		Wahkiakum County.....	1	
King William County.....	2		Walla Walla County—		
Lancaster County.....	2		Walla Walla.....	1	
Lee County.....	39		Whitman County—		
Middlesex County.....	1		Lacrosse.....	1	
Montgomery County—			<b>Total.....</b>	<b>162</b>	
Radford.....	1		<b>Wyoming (May):</b>		
Norfolk County—			Johnson County.....	13	
Norfolk.....	2		Albany County.....	3	
Northampton County—			Carbon County.....	1	
Cape Charles.....	4		Natrona County.....	7	
<b>Northumberland</b>			Sheridan County.....	2	
County.....	2		Platte County.....	3	
Pittsylvania County.....	6		Hot Springs County.....	1	
Prince George County.....	1		Niobrara County.....	2	
Pulaski County.....	25		Campbell County.....	5	
			<b>Total.....</b>	<b>37</b>	

## SMALLPOX—Continued.

## City Reports for Week Ended June 15, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio.....	2	.....	Los Angeles, Cal.....	2	.....
Alton, Ill.....	2	.....	Ludington, Mich.....	1	.....
Atlanta, Ga.....	3	.....	Madison, Wis.....	2	.....
Bellingham, Wash.....	2	.....	Marinette, Wis.....	1	.....
Birmingham, Ala.....	7	.....	Marion, Ind.....	3	.....
Buffalo, N. Y.....	3	.....	Marshall, Tex.....	2	.....
Butte, Mont.....	2	.....	Marshalltown, Iowa.....	1	.....
Cairo, Ill.....	1	.....	Memphis, Tenn.....	4	.....
Cape Girardeau, Mo.....	5	.....	Michigan City, Ind.....	3	.....
Charleston, W. Va.....	1	.....	Milwaukee, Wis.....	14	.....
Cheyenne, Wyo.....	1	.....	Minneapolis, Minn.....	13	.....
Cincinnati, Ohio.....	5	.....	Mobile, Ala.....	1	.....
Cleveland, Ohio.....	12	.....	Muncie, Ind.....	1	.....
Colorado Springs, Colo.....	1	.....	Muskogee, Okla.....	3	.....
Columbus, Ohio.....	1	.....	New Albany, Ind.....	2	.....
Council Bluffs, Iowa.....	6	.....	New London, Conn.....	4	.....
Dallas, Tex.....	4	.....	New Orleans, La.....	1	.....
Dayton, Ohio.....	1	.....	New York, N. Y.....	1	.....
Denver, Colo.....	27	.....	Oklahoma City, Okla.....	17	.....
Des Moines, Iowa.....	4	.....	Omaha, Nebr.....	10	.....
Detroit, Mich.....	4	.....	Oshkosh, Wis.....	1	.....
Dubuque, Iowa.....	3	.....	Parkersburg, W. Va.....	2	.....
Duluth, Minn.....	1	.....	Peoria, Ill.....	1	.....
Erie, Pa.....	1	.....	Piqua, Ohio.....	1	.....
Evansville, Ind.....	2	.....	Pittsburgh, Pa.....	1	.....
Everett, Wash.....	2	.....	Pontiac, Mich.....	9	.....
Fort Scott, Kans.....	3	.....	Portland, Oreg.....	1	.....
Fort Worth, Tex.....	8	.....	Quincy, Ill.....	1	.....
Grand Rapids, Mich.....	1	.....	Richmond, Ind.....	1	.....
Granite City, Ill.....	1	.....	Riverside, Cal.....	4	.....
Great Falls, Mont.....	2	.....	Rockford, Ill.....	1	.....
Green Bay, Wis.....	1	.....	Rock Island, Ill.....	1	.....
Hattiesburg, Miss.....	6	.....	Rome, N. Y.....	1	.....
Independence, Kans.....	1	.....	St. Joseph, Mo.....	6	.....
Indianapolis, Ind.....	6	.....	St. Louis, Mo.....	19	.....
Iola, Kans.....	3	.....	St. Paul, Minn.....	10	.....
Janesville, Wis.....	1	.....	Salt Lake City, Utah.....	18	.....
Kalamazoo, Mich.....	5	.....	Seattle, Wash.....	4	.....
Kansas City, Kans.....	1	.....	Sioux Falls, S. Dak.....	1	.....
Kansas City, Mo.....	17	.....	Spartanburg, S. C.....	1	.....
Knoxville, Tenn.....	7	.....	Springfield, Ill.....	2	.....
La Fayette, Ind.....	1	.....	Tacoma, Wash.....	1	.....
Laurel, Miss.....	2	.....	Toledo, Ohio.....	1	.....
Leavenworth, Kans.....	2	.....	Topeka, Kans.....	2	.....
Lincoln, Nebr.....	6	.....	Wichita, Kans.....	14	.....
Little Rock, Ark.....	1	.....	Winston-Salem, N. C.....	2	.....
Lorain, Ohio.....	2	.....	Youngstown, Ohio.....	3	.....

## TETANUS.

## City Reports for Week Ended June 15, 1918.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....	1	.....	New York, N. Y.....	1	1
Boston, Mass.....	1	.....	North Little Rock, Ark.....	1	.....
Cleveland, Ohio.....	1	.....			

## TYPHOID FEVER.

## Missouri—Brunswick.

During the month of June, 1918, an outbreak of typhoid fever occurred at Brunswick, Chariton County, Mo., where approximately 200 cases of the disease were notified during the month.

TYPHOID FEVER—Continued.

State Reports for April and May, 1918.

Place.	New cases reported.	Place.	New cases reported.
<b>Connecticut (May):</b>		<b>Indiana (May):</b>	
Fairfield County—		Allen County.....	1
Danbury.....	1	Carroll County.....	2
Darien.....	1	Clark County.....	7
Norwalk.....	1	Clinton County.....	1
Shelton.....	1	Dubois County.....	1
Hartford County—		Fountain County.....	1
East Hartford.....	1	Gibson County.....	2
Hartford.....	3	Grant County.....	1
Southington.....	1	Hancock County.....	2
Windsor.....	1	Hendricks County.....	2
Middlesex County—		Huntington County.....	4
Clinton.....	2	Jay County.....	2
New Haven County—		Jefferson County.....	3
Meriden.....	2	Johnson County.....	4
New Haven.....	1	Lake County.....	7
<b>Total.....</b>	<b>15</b>	Lawrence County.....	1
<b>Illinois (May):</b>		Marion County.....	10
Adams County—		Monroe County.....	2
Quincy.....	3	Morgan County.....	1
Christian County—		Putnam County.....	1
Taylorville.....	1	Scott County.....	1
Clark County—		St. Joseph County.....	1
Marshall.....	2	Switzerland County.....	3
Cook County—		Vanderburg County.....	2
Chicago.....	15	Wayne County.....	2
Glencoe.....	2	<b>Total.....</b>	<b>64</b>
Crawford County—		<b>Kansas (May):</b>	
Palestine.....	1	Anderson County—	
Robinson.....	1	Richmond.....	1
De Kalb County—		Atchison County—	
De Kalb.....	1	Muscotah.....	1
Ford County—		Bourbon County—	
Drummer Township.....	1	Fort Scott.....	2
Hancock County—		Redfield.....	1
Nauvoo.....	1	Brown County—	
Kane County—		Horton.....	3
Hampshire.....	1	Morrill.....	1
Lake County—		Butler County—	
North Chicago.....	5	El Dorado.....	4
Macon County—		Rosalia.....	2
Decatur.....	1	Coffey County—	
Macoupin County—		Lebo.....	1
Gillespie.....	1	Cowley County—	
Madison County—		Wilmot.....	1
East Alton.....	1	Winfield.....	1
Marion County—		Dickinson County—	
Kinmundy.....	1	Chapman.....	1
Odin.....	1	Herington.....	1
Massac County—		Doniphan County—	
Metropolis.....	1	Doniphan.....	1
Menard County—		Ellis County—	
Petersburg.....	1	Bison.....	1
McDonough County—		Victoria.....	1
Good Hope.....	1	Franklin County—	
McLean County—		Ottawa.....	1
Normal.....	1	Greenwood County—	
Peoria County—		Eureka.....	2
Peoria.....	3	Jewell County—	
Rock Island County—		Formosa.....	1
Moline.....	8	Kiowa County—	
Sangamon County—		Haviland.....	1
Springfield.....	1	Leavenworth County—	
Shelby County—		Leavenworth.....	1
Moweaqua.....	1	Tonganoxie.....	1
Union County—		McPherson County—	
Cobden.....	1	Lindsborg.....	1
Whitesides County—		Montgomery County—	
Rock Falls.....	3	Cherryvale.....	1
Williamson County—		Coffeyville.....	1
Johnston City.....	2	Independence.....	4
<b>Total.....</b>	<b>62</b>	Neosho County—	
		Chanute.....	2



## TYPHOID FEVER—Continued.

## State Reports for April and May, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>Kansas (May)—Continued.</b>		<b>* Mississippi (May)—Continued.</b>	
Reno County—		Cochosoma County.....	1
Hutchinson.....	2	Copiah County.....	8
Rush County—		Covington County.....	6
Otis.....	2	De Soto County.....	4
Rush.....	1	Franklin County.....	2
Saline County—		Hancock County.....	2
Lindsborg.....	1	Harrison County.....	14
Salina.....	1	Hinds County.....	14
Scott County—		Holmes County.....	4
Scott City.....	1	Issaquena County.....	1
Sedgwick County—		Itawamba County.....	1
Wichita.....	2	Jackson County.....	2
Sheridan County—		Jasper County.....	1
Hoxie.....	1	Jefferson Davis County.....	1
Sumner County—		Jones County.....	2
Milan.....	1	Lafayette County.....	2
Courtland.....	1	Lamar County.....	2
Wellington.....	1	Lauderdale County.....	3
Wilson County—		Lawrence County.....	4
Coyville.....	1	Leake County.....	2
Wyandotte County—		Lee County.....	3
Bonner Springs.....	3	Leflore County.....	4
Kansas City.....	6	Lincoln County.....	8
Munice.....	1	Lowndes County.....	3
<b>Total.....</b>	<b>66</b>	Madison County.....	3
<b>Minnesota (May):</b>		Marion County.....	2
Becker County—		Marshall County.....	1
Detroit.....	1	Monroe County.....	8
Carlton County—		Montgomery County.....	1
Cloquet.....	2	Oktibbeha County.....	3
Cottonwood County—		Panola County.....	3
Rose Hill Township.....	1	Perry County.....	2
Godhue County—		Pike County.....	27
Red Wing.....	1	Prentiss County.....	1
Hennepin County—		Rankin County.....	2
Minneapolis.....	10	Scott County.....	4
Itasca County—		Simpson County.....	2
Taconite.....	1	Stone County.....	2
Kandiyohi County—		Sunflower County.....	4
Willmar.....	1	Tallahatchie County.....	8
Mille Laes County—		Tate County.....	11
Osama.....	1	Tippah County.....	5
Ottertal County—		Tishomingo County.....	3
Fergus Falls.....	2	Union County.....	1
Pennington County—		Walthall County.....	7
St. Hilaire.....	1	Warren County.....	2
Pine County—		Washington County.....	5
Sandstone.....	1	Webster County.....	2
Polk County—		Wilkinson County.....	6
Fisher.....	1	Winston County.....	2
Fanny Township.....	1	Yalobusha County.....	1
Ramsey County—		Yazoo County.....	3
St. Paul.....	1	<b>Total.....</b>	<b>242</b>
Redwood County—		<b>Nebraska (May):</b>	
Milroy.....	1	Lancaster County.....	3
St. Louis County—		Saline County.....	1
Duluth.....	2	Wayne County.....	5
Eveleth.....	3	<b>Total.....</b>	<b>9</b>
Proctor.....	1	<b>Nevada (May):</b>	
Stevens County—		Humboldt County.....	1
Baker Township.....	1	Nye County.....	1
Wabasha County—		Washoe County.....	3
Mazeppa Township.....	1	<b>Total.....</b>	<b>5</b>
Wadena County—		<b>New Jersey (May):</b>	
Wadena.....	1	Bergen County.....	1
<b>Total.....</b>	<b>35</b>	Burlington County.....	4
<b>Mississippi (May):</b>		Camden County.....	5
Adams County.....	5	Cape May.....	1
Amite County.....	3	Essex County.....	5
Bolivar County.....	4	Hudson County.....	1
Calhoun County.....	1	Mercer County.....	9
Carroll County.....	6	Middlesex County.....	1
Choctaw County.....	3		
Clarke County.....	5		

TYPHOID FEVER—Continued.

State Reports for April and May, 1918—Continued.

Place.	New cases reported.	Place.	New cases reported.
<b>New Jersey (May)—Continued.</b>		<b>Ohio (May)—Continued.</b>	
Passaic County.....	3	Highland County.....	2
Somerset County.....	1	Jackson County.....	1
Union County.....	3	Knox County.....	4
Warren County.....	2	Lawrence County.....	1
<b>Total.....</b>	<b>36</b>	Licking County.....	4
<b>North Carolina (May):</b>		Logan County.....	1
Bertie County.....	1	Lorain County.....	1
Cabarrus County.....	2	Lucas County.....	7
Caldwell County.....	1	Mahoning County.....	27
Carteret County.....	1	Meigs County.....	2
Craven County.....	3	Miami County.....	1
Cumberland County.....	1	Montgomery County.....	2
Davidson County.....	1	Muskingum County.....	2
Davie County.....	1	Perry County.....	2
Duplin County.....	3	Richland County.....	1
Durham County.....	1	Sandusky County.....	1
Greene County.....	4	Scioto County.....	6
Harnett County.....	1	Stark County.....	2
Haywood County.....	1	Summit County.....	3
Hoke County.....	1	Trumbull County.....	1
Iredell County.....	2	Tuscarawas County.....	2
Johnston County.....	2	Van Wert County.....	1
Jones County.....	2	Warren County.....	1
Lenoir County.....	1	<b>Total.....</b>	<b>111</b>
Lincoln County.....	2	<b>Pennsylvania (May):</b>	
Mecklenburg County.....	1	Allegheny County.....	25
Montgomery County.....	1	Armstrong County.....	5
Pitt County.....	1	Beaver County.....	4
Richmond County.....	1	Bedford County.....	1
Robeson County.....	1	Berks County.....	4
Rockingham County.....	5	Blair County.....	5
Rowan County.....	3	Bradford County.....	2
Sampson County.....	1	Bucks County.....	4
Scotland County.....	1	Butler County.....	4
Stanly County.....	1	Cambria County.....	4
Union County.....	1	Carbon County.....	8
Washington County.....	1	Chester County.....	5
Watauga County.....	1	Columbia County.....	3
Wayne County.....	2	Crawford County.....	1
Wilson County.....	1	Cumberland County.....	6
Yancey County.....	2	Dauphin County.....	6
<b>Total.....</b>	<b>55</b>	Delaware County.....	3
<b>North Dakota (May):</b>		Erie County.....	3
McHenry County.....	2	Fayette County.....	6
McLean County.....	1	Greene County.....	1
Morton County.....	1	Huntingdon County.....	17
Nelson County.....	1	Indiana County.....	1
Ransom County.....	1	Juniata County.....	1
<b>Total.....</b>	<b>6</b>	Lackawanna County.....	4
<b>Ohio (May):</b>		Lancaster County.....	4
Adams County.....	5	Lawrence County.....	9
Allen County.....	2	Lebanon County.....	4
Auglaize County.....	1	Lehigh County.....	10
Belmont County.....	2	Luzerne County.....	2
Butler County.....	1	Lycoming County.....	2
Clark County.....	1	Mercer County.....	1
Clermont County.....	1	Montgomery County.....	13
Clinton County.....	1	Northampton County.....	2
Columbiana County.....	1	Perry County.....	1
Crawford County.....	1	Philadelphia County.....	17
Cuyahoga County.....	5	Schuylkill County.....	13
DeWane County.....	1	Somerset County.....	11
Delaware County.....	1	Washington County.....	1
Fayette County.....	1	Westmoreland County.....	3
Franklin County.....	2	York County.....	13
Guernsey County.....	1	<b>Total.....</b>	<b>229</b>
Hamilton County.....	2	<b>South Carolina (May):</b>	
Hancock County.....	2	Anderson County.....	1
Hardin County.....	2	Cherokee County.....	2
Harrison County.....	2	Chesterfield County.....	2
Henry County.....	1	Dorchester County.....	2
		Florence County.....	1
		Greenville County.....	5

**TYPHOID FEVER—Continued.**

**State Reports for April and May, 1918—Continued.**

Place.	New cases reported.	Place.	New cases reported.
<b>South Carolina (May)—Continued.</b>		<b>Virginia (May)—Continued.</b>	
Marion County.....	1	Rockbridge County.....	1
Orangeburg County.....	3	Rockingham County.....	1
Richland County.....	6	Russell County.....	1
Spartanburg County.....	6	Stafford County.....	1
		Tazewell County.....	6
<b>Total.....</b>	<b>29</b>	Pocahontas.....	1
<b>Virginia (April):</b>		Warren County—	
Accomac County.....	4	Front Royal.....	1
Onancock.....	1	Warwick County—	
Albemarle County—		Newport News.....	3
Charlottesville.....	1	Washington County.....	3
Alleghany County.....	1	Wise County.....	5
Clifton Forge.....	6	Big Stone Gap.....	1
Augusta County.....	1	Norton.....	1
Basic City.....	1	Wythe County.....	1
Bedford County.....	1	York County.....	1
Botetourt County.....	1		
Buckingham County.....	1	<b>Total.....</b>	<b>102</b>
Campbell County.....	2	<b>Washington (May):</b>	
Brookneal.....	1	Benton County—	
Caroline County.....	1	Prosser.....	2
Charles City County.....	2	Chelan County.....	4
Elizabeth City County.....	3	Cashmere.....	1
Phoebus.....	1	Wenatchee.....	3
Essex County.....	1	Ferry County—	
Floyd County.....	1	Republic.....	1
Fluvanna County.....	1	Grays Harbor County—	
Frederick County.....	2	Elma.....	5
Grayson County.....	1	Kitsap County.....	1
Greensville County.....	1	Lewis County—	
Emporia.....	1	Vader.....	1
Henrico County.....	1	Okanogan County.....	1
Richmond.....	7	Pacific County.....	1
Henry County.....	2	South Bend.....	1
Martinsville.....	1	Spokane County.....	2
King William County.....	1	Spokane.....	2
Lancaster County.....	1	Stevens County.....	1
Lee County.....	2	Colville.....	1
Louisa County.....	1	Walla Walla County—	
Madison County.....	1	Wall Walla.....	7
Montgomery County.....	5	Yakima County.....	6
Blacksburg.....	1		
Nansemond County.....	3	<b>Total.....</b>	<b>40</b>
Norfolk County—		<b>Wyoming (May):</b>	
Norfolk.....	3	Carbon County.....	1
Nottoway County.....	1	Johnson County.....	2
Page County—		Park County.....	1
Shenandoah.....	2		
Pittsylvania County.....	1	<b>Total.....</b>	<b>4</b>
Princess Anne County.....	4		
Prince Edward County.....	1		
Prince George County—			
Hopewell.....	1		

**City Reports for Week Ended June 15, 1918.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Albany, Ga.....	2		Cape Girardeau, Mo.....	1	
Altoona, Pa.....	2		Carbondale, Pa.....	1	
Anniston, Ala.....	1		Charleston, S. C.....	5	1
Atlanta, Ga.....	2		Charleston, W. Va.....	6	1
Augusta, Ga.....	1		Chelsea, Mass.....	1	
Austin, Tex.....	4		Chicago, Ill.....	8	1
Baltimore, Md.....	5		Cleveland, Ohio.....	1	
Batavia, N. Y.....	1		Columbia, S. C.....	6	
Bethlehem, Pa.....	2		Columbus, Ohio.....	3	
Beverly, Mass.....	1		Corpus Christi, Tex.....	1	
Birmingham, Ala.....	6		Dallas, Tex.....	3	1
Boston, Mass.....	1		Denver, Colo.....	3	
Bridgeport, Conn.....	1		Detroit, Mich.....	4	
Buffalo, N. Y.....	1		Durham, N. C.....	1	

TYPHOID FEVER—Continued.

City Reports for Week Ended June 15, 1918—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Easton, Pa.....	4		North Little Rock, Ark.....	1	
El Paso, Tex.....		1	North Yakima, Wash.....	2	
Erie, Pa.....	1		Oakland, Cal.....		1
Fairmont, W. Va.....	9		Omaha, Nebr.....		1
Fall River, Mass.....	2		Oshkosh, Wis.....	2	
Findlay, Ohio.....	2		Philadelphia, Pa.....	4	2
Fort Worth, Tex.....	5	2	Pittsburgh, Pa.....	1	
Galveston, Tex.....	2		Pottstown, Pa.....	1	
Grand Rapids, Mich.....		1	Raleigh, N. C.....	1	
Great Falls, Mont.....	1		Redlands, Cal.....	1	
Greensboro, N. C.....	1		Richmond, Va.....	7	
Greenville, S. C.....	1		Riverside, Cal.....	5	
Hartford, Conn.....	1		Rocky Mount, N. C.....		1
Hattiesburg, Miss.....	6		St. Louis, Mo.....	7	
Indianapolis, Ind.....	2	1	Salt Lake City, Utah.....	1	
Ironton, Ohio.....	1		San Angelo, Tex.....	6	1
Jackson, Mich.....	2		San Diego, Cal.....	2	
Jacksonville, Ill.....	1		Schenectady, N. Y.....	2	
Johnstown, Pa.....	1		Seattle, Wash.....	2	
Kansas City, Kans.....	2		Shamokin, Pa.....	2	
Knoxville, Tenn.....	1		Somerville, Mass.....	1	
Lawrence, Mass.....	6	1	South Bend, Ind.....		1
Lexington, Ky.....	1		Springfield, Ill.....	1	
Lincoln, R. I.....	1	1	Springfield, Mass.....		1
Los Angeles, Cal.....	1		Springfield, Mo.....		1
Lynn, Mass.....	1		Springfield, Ohio.....	1	
McKeesport, Pa.....	1		Steubenville, Ohio.....	1	
Memphis, Tenn.....	3	1	Toledo, Ohio.....	3	1
Milwaukee, Wis.....	3	1	Uniontown, Pa.....	2	
Montgomery, Ala.....	3		Waco, Tex.....	6	
Nashville, Tenn.....	2		Walla Walla, Wash.....	1	
Newark, N. J.....	1		Wichita, Kans.....	1	
Newburgh, N. Y.....		1	Wilmington, Del.....		1
New Orleans, La.....	2	1	York, Pa.....	2	
New York, N. Y.....	23	4	Youngstown, Ohio.....	3	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

State Reports for April and May, 1918.

State.	Cases reported.			State.	Cases reported.		
	Diphtheria.	Measles.	Scarlet fever.		Diphtheria.	Measles.	Scarlet fever.
Connecticut (May).....	132	932	160	New Jersey (May).....	370	5,634	335
Illinois (May).....	603	2,890	319	North Carolina (May).....	46	1,119	39
Indiana (May).....	201	634	291	North Dakota (May).....	61	94	68
Iowa (May).....	68		366	Ohio (May).....	358	2,204	754
Kansas (May).....	92	1,655	346	Pennsylvania (May).....	850	11,139	739
Minnesota (May).....	345	582	546	South Carolina (May).....	51	135	3
Mississippi (May).....	40	1,884	41	Virginia (April).....	77	4,750	82
Nebraska (May).....	104	155	199	Washington (May).....	57	668	400
Nevada (May).....	3	5	12	Wyoming (May).....	17	131	50

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

## City Reports for Week Ended June 15, 1918.

City.	Population as of July 1, 1918 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md.	589,621	181	4		145		2		61	34
Boston, Mass.	756,476	216	41	6	257	5	26		68	24
Chicago, Ill.	2,497,722	528	69	9	81	2	26	1	369	94
Cleveland, Ohio.	674,073	149	9	1	60		4		45	22
Detroit, Mich.	571,784	146	42	2	73	5	30		73	23
Los Angeles, Cal.	503,812	110	24	1	108		7		20	17
New York, N. Y.	5,602,841	1,156	291	26	451	18	96	8	495	155
Philadelphia, Pa.	1,709,518	452	44	5	488	3	43	1	187	73
Pittsburgh, Pa.	579,080		16		147		9		37	
St. Louis, Mo.	757,309	171	26	1	32	1	13		38	16
From 300,000 to 500,000 inhabitants:										
Buffalo, N. Y.	468,558	123	7		139		22	1	29	13
Cincinnati, Ohio.	410,476	123	21	1	77		7		31	26
Jersey City, N. J.	306,345		9		23		4		16	
Milwaukee, Wis.	436,535	95	3		157		26	1	24	13
Minneapolis, Minn.	363,454		25		105		27	1	10	12
Newark, N. J.	408,994	92	16	2	237	3	8		32	17
New Orleans, La.	371,747		96		2	1	1		43	26
Seattle, Wash.	348,639		2		47		26			
From 200,000 to 300,000 inhabitants:										
Columbus, Ohio.	214,878	59			11		17		5	6
Denver, Colo.	260,800	68	21	2	29		13	1	15	12
Indianapolis, Ind.	271,708	69	12		17		12		19	15
Kansas City, Mo.	297,874	88	8	1	17		2		4	10
Louisville, Ky.	238,910	59	3		9				7	8
Portland, Oreg.	295,463	80	6	1	76	1	11		19	6
Providence, R. I.	254,960	48	6		117	2	3		9	7
Rochester, N. Y.	256,417	55	1		98		8		13	2
St. Paul, Minn.	247,232	43	28	2	22		19		11	3
From 100,000 to 200,000 inhabitants:										
Atlanta, Ga.	190,556	55			4	1	1		7	7
Birmingham, Ala.	181,762	56			3		1		11	5
Bridgeport, Conn.	121,576	14	5		17	1	1		7	1
Cambridge, Mass.	112,921	26	15		23		2		8	5
Camden, N. J.	106,233				3				2	
Dallas, Tex.	124,527	7			2				12	4
Dayton, Ohio.	127,244	21	2				3		7	3
Des Moines, Iowa.	101,598		2	1			6			
Fall River, Mass.	128,366	25	4		4		1		13	4
Fort Worth, Tex.	104,562	17					1		2	2
Grand Rapids, Mich.	128,291	32	1		3		4		5	1
Hartford, Conn.	110,900	22	2		9		3		9	2
Houston, Tex.	112,307	25	2						15	3
Lawrence, Mass.	100,560	31	3		127	2			6	6
Lowell, Mass.	113,245	34	3	1	13		2		7	3
Lynn, Mass.	102,425	19	1		31		1		4	3
Memphis, Tenn.	148,996	55			2				20	12
Nashville, Tenn.	117,067	55	2		11				9	7
New Bedford, Mass.	118,158	43	2		8				11	6
New Haven, Conn.	149,686		2		2				14	3
Oakland, Cal.	198,604	44	1		5		4		5	5
Omaha, Nebr.	165,470	30	12		5		15		5	4
Reading, Pa.	109,381		1		7		3			
Richmond, Va.	156,687	55			29		2		9	7
Salt Lake City, Utah.	117,399		4		10		11			1
Scranton, Pa.	146,811		5		3		5		1	
Springfield, Mass.	105,942	23	1		15		3		3	3
Syracuse, N. Y.	155,624	37	8		45		2		4	4
Tacoma, Wash.	112,770		2		14		34			
Toledo, Ohio.	191,554	49	1		4		5		1	10
Trenton, N. J.	111,568	39	4		22				7	2
Worcester, Mass.	163,314	45	4		3		2		8	2
Youngstown, Ohio.	108,385	36	1		9		1		2	4
From 50,000 to 100,000 inhabitants:										
Akron, Ohio.	85,625	18	1		13		12		4	
Allentown, Pa.	63,505				192					
Altoona, Pa.	58,659			3	5				1	
Atlantic City, N. J.	57,660	10			9					

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

## City Reports for Week Ended June 15, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>From 50,000 to 100,000 inhabitants—Continued.</b>										
Augusta, Ga.	50,245	18			2				2	1
Bayonne, N. J.	69,893		1		4			4		
Berkeley, Cal.	57,653		3		15			1		
Brockton, Mass.	67,449	14	1		14		5	3	1	
Canton, Ohio	60,852								1	
Charleston, S. C.	60,734	37						3	2	
Chattanooga, Tenn.	60,075	2					2	1	2	
Covington, Ky.	57,144	18	1		2			2	4	
Duluth, Minn.	94,495	17	3	1	2		2	3	2	
El Paso, Tex.	63,705	41	1		7		1		11	
Erie, Pa.	75,195		4		26			5		
Evansville, Ind.	76,078	18	1		8		2	2	1	
Flint, Mich.	54,772	12								
Fort Wayne, Ind.	76,183	14	3		8			3	2	
Hoboken, N. J.	77,214	10	4				1	7	2	
Holyoke, Mass.	65,286	18					1	7	1	
Johnstown, Pa.	68,529		3		5		1	3		
Kansas City, Kans.	99,437		6		15		2	7		
Lancaster, Pa.	50,853				2			2		
Little Rock, Ark.	57,343	5								
Malden, Mass.	51,155	5	3		36			1		
Manchester, N. H.	78,283	16						7	1	
Mobile, Ala.	58,221	43						2	3	
Norfolk, Va.	89,612				2		2		1	
Oklahoma City, Okla.	92,943	21								
Passaic, N. J.	71,744	13	1		66		2	5	1	
Peoria, Ill.	71,458	20	1		2				1	
Portland, Me.	63,867	22	2		3				4	
Rockford, Ill.	55,185	10	1	1	10					
Sacramento, Cal.	66,895	25	1		7		2	7	8	
Saginaw, Mich.	55,642	12			4		1			
St. Joseph, Mo.	85,236	20	3		1				4	
San Diego, Cal.	53,330	19	2	1	6		3	11	1	
Schenectady, N. Y.	99,519	13	2		10			10	2	
Somerville, Mass.	87,039	30	1		17			5	2	
South Bend, Ind.	63,946	18	1	1	2				1	
Springfield, Ill.	61,120	15			8				3	
Springfield, Ohio.	51,550				18	1			1	
Terre Haute, Ind.	66,093	10	1		3			1	1	
Troy, N. Y.	77,916	18			2		1	5	3	
Wichita, Kans.	70,722		1		3		2	2		
Wilkes-Barre, Pa.	76,776		1		26		1	1		
Wilmington, Del.	94,265	30	2	1	6		1	6	6	
Yonkers, N. Y.	99,838	22	3	1	105	1	1		2	
York, Pa.	51,656						2	3		
<b>From 25,000 to 50,000 inhabitants:</b>										
Alameda, Cal.	27,732	6			39		3			
Amsterdam, N. Y.	37,103				13			2	2	
Austin, Tex.	34,814		2							
Boise, Idaho	33,846	8	1		4		1			
Brookline, Mass.	32,730	8			8					
Burlington, Iowa	25,030	4					2			
Butler, Pa.	27,632		2							
Butte, Mont.	43,425	13	1				19	1		
Cedar Rapids, Iowa	37,308						1			
Charleston, W. Va.	29,941	12	1		3		1	4	2	
Charlotte, N. C.	39,823	22			4	1	3		1	
Chelsea, Mass.	46,192	4	2		5		4	2		
Chester, Pa.	41,396				22		1			
Chicopee, Mass.	29,319	6	1		1			3		
Clinton, Iowa	27,386	1			3		1	2	1	
Cohoes, N. Y.	25,211	3						2		
Colorado Springs, Colo.	32,971				6		1	12	7	
Council Bluffs, Iowa	31,484	8			1		4			
Cranston, R. I.	25,987	4			13					
Cumberland, Md.	26,074	10	1		5			1	2	
Danville, Ill.	32,261	8						2	2	
Dubuque, Iowa	39,873		2						1	
Durham, N. C.	25,061	10			2			1		
Easton, Pa.	30,530		1		1			2		
East Orange, N. J.	42,458	5	2		15			1	2	



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

City Reports for Week Ended June 15, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabitants:										
Adams, Mass.....	14, 214	3								
Albany, Ga.....	10, 604	4			4					
Alexandria, La.....	15, 533	5							2	2
Alton, Ill.....	22, 574	10	1							1
Anderson, Ind.....	23, 996	10	1		4		3		2	2
Ann Arbor, Mich.....	15, 010	14			6					
Anniston, Ala.....	14, 112				1				1	
Ansonia, Conn.....	16, 704	2								
Appleton, Wis.....	17, 834	8							1	1
Arlington, Mass.....	12, 811	6	1				1		3	1
Asbury Park, N. J.....	14, 007				14					
Astoria, Oreg.....	10, 363	7								
Attleboro, Mass.....	19, 282	4								
Bakersfield, Cal.....	16, 874	14			1					
Barberton, Ohio.....	13, 210	2	3		1					
Barre, Vt.....	12, 169	1								
Batavia, N. Y.....	13, 350	5	1				1		1	
Beatrice, Nebr.....	10, 287	7			1	1				
Bedford, Ind.....	10, 349	4								
Bellaire, Ohio.....	14, 348	4			2		1			
Belleville, N. J.....	12, 393				2				1	
Beloit, Wis.....	18, 072	6	1		3		1		1	
Benton Harbor, Mich.....	10, 833				8					
Bethlehem, Pa.....	14, 142		6		28				3	
Beverly, Mass.....	21, 645	5							3	
Bloomfield, N. J.....	18, 466	1	1		2		1		2	1
Braddock, Pa.....	21, 685				18				1	
Bradford, Pa.....	14, 544				5		2			
Bristol, Conn.....	15, 927	3								
Burlington, Vt.....	21, 617	3							3	
Cairo, Ill.....	15, 794	4								
Canton, Ill.....	13, 262				2		1			
Carbondale, Pa.....	19, 242				3				2	
Carnegie, Pa.....	11, 692				1					
Cheyenne, Wyo.....	11, 320						1			
Chillicothe, Ohio.....	15, 470	2	2		2				1	
Cilinton, Mass.....	13, 076	3			1					
Concord, N. H.....	22, 669	4			2					
Connellsville, Pa.....	15, 455				2					
Corning, N. Y.....	15, 406	3	2		1					
Corpus Christi, Tex.....	10, 432	6			1					
Cortland, N. Y.....	13, 069	2							1	
Dedham, Mass.....	10, 433	1			6				3	
Dover, N. H.....	13, 272	2			2					
Dubois, Pa.....	14, 665		1							
East Providence, R. I.....	18, 113		1		2					
Elyria, Ohio.....	18, 618	3	2							
Englewood, N. J.....	12, 231	5			15					
Eugene, Oreg.....	13, 572				4		1			
Fargo, N. Dak.....	17, 389	6	2							
Findlay, Ohio.....	14, 858	5			3					1
Fort Scott, Kans.....	10, 550	5								
Fostoria, Ohio.....	10, 770	3							1	
Framingham, Mass.....	13, 982	1							1	
Frederick, Md.....	11, 112	2			2					
Galesburg, Ill.....	24, 276	5			2		1			
Gardner, Mass.....	17, 140		7		1					
Geneva, N. Y.....	13, 711				1					1
Gloucester City, N. J.....	11, 109	5			11					
Granite City, Ill.....	15, 142				16					
Great Falls, Mont.....	13, 948				1					
Greenfield, Mass.....	11, 998	1	1						1	
Greensboro, N. C.....	19, 577	8							1	
Greensburg, Pa.....	15, 483						1			
Greenville, S. C.....	18, 181	4								
Greenwich, Conn.....	19, 159				4		1		1	
Hackensack, N. J.....	16, 945	9	2		6					
Hancock, Mich.....	12, 079	4					2			
Hattiesburg, Miss.....	16, 482								1	
Henderson, Ky.....	12, 192	2								
Hornell, N. Y.....	14, 685	1	1		34		1			

<sup>1</sup> Population Apr. 15, 1910; no estimate made.



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

## City Reports for Week Ended June 15, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 25,000 inhabitants—Continued.										
Independence, Kans.....	14,506	2			1				1	
Independence, Mo.....	11,672	4					1		1	
Iola, Kans.....	11,068								8	
Ironton, Ohio.....	13,949				6					
Jacksonville, Ill.....	15,481	8								2
Janesville, Wis.....	14,339	2								
Johnstown, N. Y.....	10,646	5								
Kankakee, Ill.....	14,230		1		1					
Kearny, N. J.....	23,539	8			5		1		1	
Kookuk, Iowa.....	14,008								1	1
Kokomo, Ind.....	20,930	8								
Lackawanna, N. Y.....	15,987	2			3				1	
La Fayette, Ind.....	21,286	5	1				1			
Lake Charles, La.....	14,447	3								
Lancaster, Ohio.....	15,670				4				3	
Laurel, Miss.....	11,779	3								
Leavenworth, Kans.....	19,363	8	2	1			1			
Lebanon, Pa.....	20,779		1				2		3	
Lincoln, R. I.....	10,383				3					
Little Falls, N. Y.....	13,451	6								
Long Branch, N. J.....	15,395				22					
Ludington, Mich.....	10,367		1	1						
Mahanoy City, Pa.....	17,463				7					
Manchester, Conn.....	15,551	2			3					
Manitowac, Wis.....	13,905	5								
Marinette, Wis.....	14,610	3								1
Marion, Ind.....	19,534		1				2			
Marlboro, Mass.....	15,187	4			1					1
Marquette, Mich.....	12,409	3					1			1
Marshall, Tex.....	13,712	4							1	
Mason City, Iowa.....	14,457	10								
Mattoon, Ill.....	12,582	6			8					
Meadville, Pa.....	13,802				5					
Melrose, Mass.....	17,445	2					2			
Methuen, Mass.....	13,921	4	1		15				1	
Michigan City, Ind.....	21,512	8	1						1	1
Middletown, N. Y.....	15,870				2				2	
Middletown, Ohio.....	15,925	2								
Milford, Mass.....	14,110									1
Mishawaka, Ind.....	16,355	6								
Missoula, Mont.....	18,214	3								
Monessen, Pa.....	21,630		1		3				1	
Morgantown, W. Va.....	13,709	4								
Morristown, N. J.....	13,294	2			4					
Moundsville, W. Va.....	11,153	3								
Mount Carmel, Pa.....	20,268		2						2	
Muscataine, Iowa.....	17,500		1							
Nanticoke, Pa.....	23,126		1				1			
Natick, Mass.....	10,102	7			12					
New Albany, Ind.....	23,629	5								1
Newburyport, Mass.....	15,243	5			5				2	1
New Castle, Ind.....	13,241	3								
New London, Conn.....	20,985	8	4				1		1	
North Adams, Mass.....	22,019	4								1
Northampton, Mass.....	19,926	11			10					4
North Attleboro, Mass.....	11,014	2								
North Braddock, Pa.....	15,148		1		5				1	
North Little Rock, Ark.....	14,907	1							2	
North Tonawanda, N. Y.....	13,768	5					1			1
North Yakima, Wash.....	20,951				5					
Norwood, Ohio.....	22,286	2	1		4				1	
Oil City, Pa.....	19,297		1		8		1		1	
Olean, N. Y.....	16,624	6								
Ossining, N. Y.....	13,705	7			27				1	
Parkersburg, W. Va.....	20,612	4								
Peekskill, N. Y.....	18,530	3								1
Phoenix, Ariz.....	18,621	11								3
Phoenixville, Pa.....	11,714				2					
Pittston, Pa.....	18,599				4					
Plainfield, N. J.....	23,805	9			7		1			1

<sup>1</sup> Population Apr. 15, 1910; no estimate made.

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

City Reports for Week Ended June 15, 1918—Continued.

City.	Population as of July 1, 1916 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 10,000 to 20,000 inhabitants—Continued.										
Plymouth, Mass.....	13,743	3			1					
Plymouth, Pa.....	19,100				8					
Pomona, Cal.....	13,150	1	1		8					
Pontiac, Mich.....	17,524	12	1		15		4		1	
Fort Chester, N. Y.....	16,183	2								
Portsmouth, N. H.....	11,666	1							1	1
Pottstown, Pa.....	16,794		1							
Pottsville, Pa.....	22,372		1		1					
Provo, Utah.....	10,645	1	1							
Rahway, N. J.....	10,219	4	1		4					1
Raleigh, N. C.....	20,127	10							1	
Redlands, Cal.....	14,000	3								
Richmond, Ind.....	24,697	4			1					
Riverside, Cal.....	19,763	4							1	1
Rocky Mount, N. C.....	12,067	5								
Rome, N. Y.....	23,737								1	
Rutland, Vt.....	14,831	2								
Saint Cloud, Minn.....	11,817	10							2	
San Angelo, Tex.....	10,321									1
San Bernardino, Cal.....	16,945				1				1	
Sandusky, Ohio.....	20,193	4								2
Sanford, Me.....	10,916	7								
Santa Cruz, Cal.....	14,594	4			3		1			
Saratoga Springs, N. Y.....	13,821	4			17				2	
Sault Ste. Marie, Mich.....	13,919	4							1	
Sedalia, Mo.....	19,449	7								
Shamokin, Pa.....	21,129		1		2					
Shelbyville, Ind.....	10,965	3								
Sioux Falls, S. Dak.....	16,499	7								
Southbridge, Mass.....	14,205	3							2	1
Spartanburg, S. C.....	21,365	8			2				1	
Steelton, Pa.....	15,548		1				9		2	
Streator, Ill.....	14,304	8		1						
Sunbury, Pa.....	16,260						2			
Uniontown, Pa.....	20,780								1	
Vallejo, Cal.....	13,461	2								1
Washington, Pa.....	21,618		1		1				1	
Watertown, Mass.....	14,867				3					
Wausau, Wis.....	19,230	5								
West Chester, Pa.....	13,176				2					
Westfield, Mass.....	18,391	6	1		1				2	3
West New York, N. J.....	18,773				1					
West Warwick, R. I.....	15,782	2		1						
White Plains, N. Y.....	22,465	4			2		1			
Wilkinsburg, Pa.....	23,228		3		1				2	
Winona, Minn.....	18,583	2							1	1
Winthrop, Mass.....	12,692		2		1					
Woburn, Mass.....	15,969	5								

<sup>1</sup> Population Apr. 15, 1910; no estimate made.

# FOREIGN.

## CHINA.

### Plague-Infected Rats—Hongkong.

During the period from March 31 to May 11, 1918, out of 13,775 rats examined at Hongkong, 20 rats were found plague infected. The plague rats were found as follows: Week ended April 27, 1918, 5 rats; week ended May 4, 1918, 3 rats; week ended May 11, 1918, 12 rats.

### Quarantine Against Hongkong—Cerebrospinal Meningitis.

According to information dated May 1, 1918, vessels arriving from Hongkong were made subject, on account of cerebrospinal meningitis, to quarantine regulations at the ports of Amoy, Canton, Chefoo, Newchwang, Ningpo, Shanghai, Swatow, and Tientsin; at Saigon, Indo-China; at ports in the Philippine Islands; and at Bangkok, Siam, and Singapore, Straits Settlements.

## CUBA.

### Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	May 21-31, 1918.		Remain- ing under treatment May 31, 1918.
	New cases.	Deaths.	
Cerebrospinal meningitis.....	1		14
Diphtheria.....	9		8
Leprosy.....			13
Malaria.....	23		30
Measles.....	1		5
Paratyphoid fever.....	3		4
Scarlet fever.....	2		5
Typhoid fever.....	81	9	144
Varicella.....	50		49

<sup>1</sup> Foreign, 4.

<sup>2</sup> From the interior, 29.

<sup>3</sup> From the interior, 1.

<sup>4</sup> From the interior, 57.

### Typhoid Fever—Regla.

Three cases of typhoid fever from Regla were reported present in hospital in Habana June 13, 1918, and under the same date the occurrence of three additional cases at Regla was reported.

**EGYPT.****Plague.**

During the period from January 1 to May 2, 1918, 113 cases of plague were notified in Egypt. Of these, three cases occurred at Alexandria, three at Port Said, and one case at Kantara. The remainder were distributed in five Provinces, viz, Beni-Souef, Fayoum, Girgeh, Keneh, and Minieh, the greatest number of cases, viz, 59, occurring in the Province of Minieh.

**INDO-CHINA.****Cholera—Plague—Smallpox—January, 1918.**

During the month of January, 1918, 91 cases of cholera, 159 cases of plague, and 552 cases of smallpox were notified in Indo-China, as compared with 16 cases of cholera, 82 cases of plague, and 154 cases of smallpox notified during the month of December, 1917. The cases were distributed as follows:

*Cholera.*—Cambodia, 50 cases; Cochin-China, 40 cases; Tonkin, 1 case; total, 91 cases. The total for the corresponding month of the year 1917 was 52 cases.

*Plague.*—Anam, 38 cases; Cambodia, 83 cases; Cochin-China, 38 cases; total, 159 cases. The total for the month of January, 1917, was 82 cases.

*Smallpox.*—Anam, 242 cases; Cambodia, 20 cases; Cochin-China, 258 cases; Laos, 7 cases; Tonkin, 25 cases; total, 552 cases. The total for the month of January, 1917, was 174 cases.

Nearly all the cases of smallpox reported occurred in Anam and Cochin-China, viz, 242 and 258, respectively. In Anam a slight increase was observed in all the Provinces except Nhatrang, in which no case was notified, and the Province of Quang-Ngai, in which 142 cases were notified. In Anam, 17 Provinces were infected, the greatest incidence being in the Province of Cholon, with 64 cases.

**Leprosy—January, 1918.**

During the month of January, 1918, 26 cases of leprosy were notified. Of these, 22 cases were notified in Tonkin, occurring at Hanoi, the capital city, and 4 cases in Cochin-China.

**CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.****Reports Received During Week Ended July 5, 1918.<sup>1</sup>****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Madras .....	Mar. 24-Apr. 6. . . . .	3	1	
Rangoon .....	Mar. 30-Apr. 6. . . . .	3	2	
<b>Indo-China</b> .....				Jan. 1-31, 1918: Cases, 91; deaths, 66.
Cambodia .....	Jan. 1-31 .....	50	29	
Cochin-China .....	do. . . . .	40	37	
Saigon .....	Apr. 29-May 12. . . . .	38	24	
Tonkin .....	Jan. 1-31 .....	1		
<b>Java:</b>				
West Java .....				Feb. 22-Mar. 28, 1918: Cases, 70; deaths, 35.
Batavia .....	Feb. 22-Mar. 28. . . . .	42	17	
<b>Philippine Islands:</b>				
<b>Provinces</b> .....				Apr. 28-May 4, 1918: Cases, 97; deaths, 78.
Bohol .....	Apr. 28-May 4. . . . .	24	20	
Capiz .....	do. . . . .	1	1	
Leyte .....	do. . . . .	24	13	
Misamis .....	do. . . . .	28	24	
Surigao .....	do. . . . .	20	20	
<b>Provinces</b> .....				May 5-11, 1918: Cases, 72; deaths, 35.
Cebu .....	May 5-11. . . . .	5	1	
Leyte .....	do. . . . .	25	14	
Misamis .....	do. . . . .	42	20	

**PLAGUE.**

<b>Ceylon:</b>				
Colombo .....	Mar. 23-Apr. 20. . . . .	9	9	
<b>China:</b>				
Hongkong .....	Apr. 14-May 11. . . . .	7	5	
<b>Egypt:</b>				Jan. 1-May 2, 1918: Cases, 113; deaths, 71.
<b>Provinces</b> .....				Three septicemic.
Beni-Souef .....	Apr. 26-30. . . . .	2	1	
Fayoum .....	Apr. 21-29. . . . .	5	3	
Minieh .....	Apr. 23-30. . . . .	16	8	
<b>India:</b>				
Bombay .....	Mar. 24-30. . . . .	53	45	
Madras Presidency .....	Mar. 24-Apr. 6. . . . .	368	274	
Rangoon .....	Mar. 30-Apr. 6. . . . .	78	74	
<b>Indo-China</b> .....				Jan. 1-31, 1918: Cases, 159; deaths, 110.
Anam .....	Jan. 1-31 .....	38	22	
Cambodia .....	do. . . . .	83	77	
Cochin-China .....	do. . . . .	38	11	
Saigon .....	Apr. 29-May 12. . . . .	38	17	
<b>Java:</b>				
East Java .....				Feb. 12-Mar. 18, 1918: Cases, 81; deaths, 81.
Surabaya .....	Feb. 12-Mar. 18. . . . .	28	28	
<b>On vessel:</b>				
S. S. Somali .....	May 19. . . . .	3	1	At Gravesend, England, from Bombay.

**SMALLPOX.**

<b>Brazil:</b>				
Bahia .....	May 5-11 .....	1		
<b>Canada:</b>				
New Brunswick— Moncton .....	June 16-22 .....	2		
<b>Ceylon:</b>				
Colombo .....	Mar. 23-Apr. 20. . . . .	5	1	
<b>China:</b>				Present.
Amoy .....	Apr. 1-20. . . . .			
Hongkong .....	Apr. 6-May 11. . . . .	3	1	
Shanghai .....	Apr. 21-May 6. . . . .	2		
<b>France:</b>				
Paris .....	Apr. 21-27. . . . .	2	1	
Rouen .....	May 12-18. . . . .	2		Including varioloid.
<b>India:</b>				
Bombay .....	Mar. 24-30. . . . .	84	45	
Karachi .....	Apr. 6-20. . . . .	29	21	
Madras .....	Mar. 24-Apr. 6. . . . .	36	8	
Rangoon .....	Mar. 31-Apr. 6. . . . .	13	6	

<sup>1</sup> From medical officers of the Public Health Service, American consuls, and other sources. For reports received from Dec. 29, 1917, to June 28, 1918, see Public Health Reports for June 28, 1918. The tables of epidemic diseases are terminated semiannually and new tables begun.

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

**Reports Received During Week Ended July 5, 1918—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China . . . . .				Jan. 1-31, 1918: Cases, 552; deaths, 120.
Anam . . . . .	Jan. 1-31 . . . . .	242	30	
Cambodia . . . . .	. . . . .do . . . . .	20	5	
Cochin-China . . . . .	. . . . .do . . . . .	258	84	
Saigon . . . . .	Apr. 29, May 12 . . . . .	94	30	
Laos . . . . .	Jan. 1-31 . . . . .	7	1	
Tonkin . . . . .	. . . . .do . . . . .	25	1	
Italy:				
Mezzojuso . . . . .	May 29 . . . . .			Many cases. Province of Palermo, Sicily.
Turin . . . . .	Apr. 15-May 19 . . . . .	11	1	
Java:				
East Java . . . . .				Feb. 12, Mar. 18, 1918: Cases, 15; deaths, 1.
Surabaya . . . . .	Feb. 26-Mar. 4 . . . . .	1	1	
Mid-Java . . . . .				Feb. 14-Mar. 20, 1918: Cases, 27.
West Java . . . . .				Feb. 22-Mar. 28, 1918: Cases, 82; deaths, 21.
Batavia . . . . .	Feb. 22-Mar. 28 . . . . .	15	1	
Mexico:				
Aguascalientes . . . . .	June 10-16 . . . . .		1	
Mexico City . . . . .	May 19-June 1 . . . . .	15		
Mesopotamia:				
Bagdad . . . . .	Mar. 16-Apr. 5 . . . . .	7	7	
Philippine Islands:				
Manila . . . . .	Apr. 28-May 11 . . . . .	175	94	Varioloid, 66 cases.
Portugal:				
Lisbon . . . . .	Feb. 24-May 25 . . . . .	12		
Spain:				
Coruna . . . . .	Apr. 28-May 4 . . . . .		1	
Malaga . . . . .	Dec. 1-31 . . . . .		29	
Seville . . . . .	Apr. 1-30 . . . . .		1	

**TYPHUS FEVER.**

Argentina:				
Rosario . . . . .	Apr. 1-30 . . . . .		1	
China:				
Shanghai . . . . .	May 5-11 . . . . .		1	
Greece:				
Saloniki . . . . .	Apr. 28-May 11 . . . . .		7	
Java:				
East Java . . . . .				Feb. 12-Mar. 18, 1918: Cases, 21; deaths, 5.
Surabaya . . . . .	Feb. 12-Mar. 18 . . . . .	18	4	
Mid-Java . . . . .	Feb. 14-Mar. 20 . . . . .	9		
Samarang . . . . .	Feb. 21-Mar. 20 . . . . .	5		
West Java . . . . .				Feb. 28-Mar. 28, 1918: Cases, 36; deaths, 6.
Batavia . . . . .	Feb. 28-Mar. 28 . . . . .	26	6	
Mexico:				
Mexico City . . . . .	May 19-June 1 . . . . .	62		
Mesopotamia:				
Bagdad . . . . .	Mar. 29-Apr. 5 . . . . .	2		
Portugal:				
Lisbon . . . . .	Feb. 24-May 25 . . . . .	5		
Tunisia:				
Tunis . . . . .	May 18-31 . . . . .	6	2	

**YELLOW FEVER.**

Brazil:				
Bahia . . . . .	May 5-11 . . . . .	1	1	