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SICKNESS AND ABSENTEEISM DURING 1919 IN A LARGE INDUSTRIAL ESTABLISHMENT.¹

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How much working time is lost by employees?

What proportion of absenteeism is caused by sickness?

These and similar questions are of interest to industrial establishments which are endeavoring to improve the health of their employees and cut down the number of working days lost on account of illness. Up to the present time few concerns have kept the records necessary for the accurate determination of such facts. Knowledge of sickness incidence and severity among a company's employees only fairly recently has come to be considered a function of the medical or welfare department.

An eastern manufacturing company which has investigated the causes of absence from work among its 6,700 employees has permitted us the presentation of some of the facts that were uncovered, in the hope that the information may be helpful to organizations contemplating the collection and analysis of similar information. The statistics presented do not represent a complete analysis of disabling illness by any means, as information concerning even the nature of the illness causing disability was not given in the report, because their sickness record system was not fully developed prior to January, 1920; but even the partial analysis of the sickness experience of one company may throw light on matters which hitherto have been subjects of speculation only.

Method of Securing Information.

Through the services of visiting nurses, the company ascertains the cause of absence when an employee who fails to give notification of absence remains away from work for more than two days in succession. The clerical procedure to obtain the list of absentees to be visited is as follows:

Every morning the benefit department sends to each foreman a list of the employees under the foreman's supervision, who were not at work on the preceding day. The foreman looks over his list and indicates by symbols whether the worker is still absent, has returned to work, or has been removed from the pay roll. On the reverse side of the sheet he writes down the names of those absent on the present

¹ From the Statistical Office, United States Public Health Service.

day that are not included in the list, stating whether or not they are absent with permission and giving reasons for absence if known. Special cases to be investigated are marked (x), all others being deferred until after two days of absence before the visiting nurse calls to ascertain if the employee is ill and in need of the services of physician or nurse.

The company pays sickness and nonindustrial accident benefits to employees on the factory pay roll who are incapacitated for more than seven consecutive days by sickness or by accident occurring outside of working hours, provided the employee has been in the continuous service of the company for three months or more. In order, however, to receive benefits, the disabled employee must secure the services of a legally qualified physician within seven days after the sickness or injury occurs, and this proviso makes it possible in a large number of cases for the visiting nurse to obtain a physician's diagnosis of the ailment causing disability. Unfortunately the record as to diagnosis was incomplete for the year 1919.

The Principal Causes of Absence.

The above method of checking cases of sickness by listing all absences makes possible the determination of what proportion of total time lost from work is due to disabling sickness. Knowledge of this proportion is particularly informative to firms or sick benefit associations desiring an estimate of the reduction in absenteeism that might reasonably be expected from the operation of some form of benefit organization that takes into consideration the principle of prevention.

TABLE I.—*Absenteeism, according to principal causes, by employees on the factory pay roll of a large eastern manufacturing establishment during the year of 1919.*

| Cause of absence. | Per cent of working time lost. ^a | Per cent of total lost time. ^b |
|---|---|---|
| All causes..... | 5.65 | 100.0 |
| Cases of sickness which caused disability for more than 2 consecutive working-days..... | 1.78 | 31.5 |
| Industrial accidents..... | .18 | 3.2 |
| Nonindustrial accidents..... | .06 | 1.1 |
| Personal reasons and sickness of less than 3 days' duration..... | 3.63 | 64.2 |

^a Obtained by multiplying the average number of employees during the year (6,748) by the number of days which the factory operated (302), and then dividing the product into the number of days of absence for each principal cause.

^b Ratio of days lost for each principal cause of absence to days lost for all causes.

Cases of sickness, it is seen, which lasted longer than two consecutive days constituted 31.5 per cent of all lost time. Because absences of less than three days' duration were not investigated, the *exact* proportion of absenteeism caused by all cases of disabling sickness can not be computed in the present instance, and there is no very satisfactory way of estimating what the percentage would be if sickness of one and two days' duration were included. Judging, how-

ever, from the experience of a company which has worked out the percentage of total time lost on account of cases lasting one and two days, the statement may be ventured that in the eastern factory under consideration all cases of disabling illness probably did not constitute more than 33 per cent of total lost time during the year, and that purely-personal reasons accounted for about 62 per cent of lost time. Doubtless there is considerable variation in different manufacturing plants in the percentage of absenteeism caused by sickness, and whether 33 per cent is low or high or average is of course undeterminable until the time lost by the employees of other industrial establishments has been made known.

The working time lost for all causes of absence by the 6,748 employees (average number for the year) totaled more than 115,000 working-days, the equivalent of 384 years of work. In terms of time lost per employee this means 17.1 working-days, of which 5.4 days were due to cases of sickness that disabled for more than two consecutive working-days, one-half of a day on account of industrial accidents, one-fifth of a day due to nonindustrial injuries, and the balance, or 11 days, for personal reasons and for illnesses of less than three days' duration.

From surveys of actual sickness in industrial communities and from records of disability among employees of establishments, it has been estimated that the average number of days of disabling sickness per wage earner is between seven and nine for a 300-day working year. Compared with this estimate, the company's sickness severity rate is low to a gratifying degree.

Seasonal Variation of Sickness and Absenteeism.

An interesting variation in time losses from month to month is shown in Figure 1.

TABLE II.—*Per cent of working-time lost, by months, by employees of a large industrial establishment during 1919.*

| Month. | Per cent of working-time lost on account of— | | | | |
|----------------|--|------------------------|--------------------------------|-----------------------|--------------------------|
| | All causes of absence. | Sickness. ^a | Personal reasons. ^b | Industrial accidents. | Nonindustrial accidents. |
| January..... | 5.39 | 1.51 | 3.50 | 0.28 | 0.10 |
| February..... | 5.14 | 1.64 | 3.27 | .17 | .06 |
| March..... | 6.27 | 2.13 | 3.88 | .20 | .06 |
| April..... | 6.95 | 2.54 | 4.27 | .02 | .03 |
| May..... | 7.69 | 1.78 | 5.65 | .16 | .10 |
| June..... | 4.70 | 1.60 | 2.90 | .10 | .10 |
| July..... | 4.72 | 1.39 | 3.10 | .16 | .07 |
| August..... | 5.13 | 1.51 | 3.34 | .19 | .07 |
| September..... | 5.71 | 1.79 | 3.77 | .14 | ..... |
| October..... | 5.80 | 1.80 | 3.70 | .20 | .10 |
| November..... | 5.20 | 1.67 | 3.29 | .21 | .03 |
| December..... | 6.03 | 2.01 | 3.82 | .15 | .05 |
| Year..... | 5.65 | 1.78 | 3.63 | .18 | .06 |

^a Includes only those cases which caused disability for more than two consecutive working days.

^b Includes cases of sickness of less than three (work) days' duration.

The fact that the peak of absenteeism was reached in May when absence for personal reasons became nearly twice as great as in the two months which followed, indicates that there *may be* a distinct

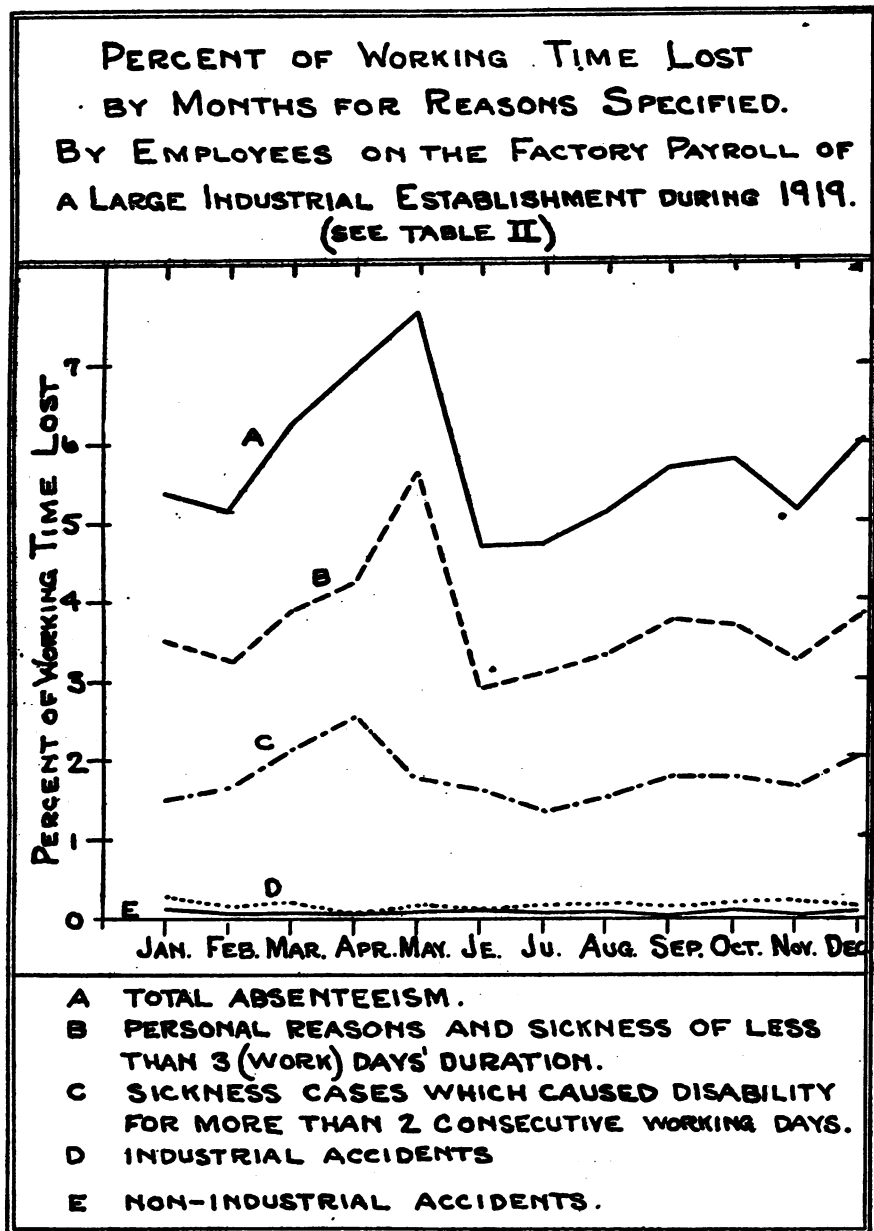


FIG. 1.

tendency for wage-earners to take a vacation in the spring and to remain on the job more faithfully immediately afterwards than at any other time throughout the year. Perhaps the "call of the Red Gods,"

as Kipling personifies the "old spring fret" that urges us to get into the country, is no mere poetic fancy, but a force that affects a considerable section of society.

In April occurred the highest percentage of working time lost on account of cases of sickness which lasted longer than two days. One would expect the greatest number of days of disabling illness to occur in winter, especially in the winter (January and February) of 1919 when the second wave of epidemic influenza struck the localities where the employees of the company reside; but the percentage of working time lost on account of sickness in January and February was as low as it ever got during the year, except for the summer months, June, July, and August. The amount of sickness, it may be noticed, was considerable in March, and it is therefore quite probable that the high percentage shown for April was due in part to cases that were contracted during the middle or latter part of March and extended well into April, thus causing more days of disability in April than in the month of onset. Lack of definiteness about this point shows the need for knowing the number of new cases of disabling illness each month, as well as time lost, to represent the severity of sickness.

The Rate of Absenteeism as a Factory Health Barometer.

A question which has come up for consideration in the study of industrial hygiene is whether the total time lost for all causes of absence per employee is any index of deleterious working conditions. It has been argued that a large amount of time lost on account of sickness would perceptibly raise the absence rate, and thus make it possible for one to discover what working conditions were reacting unfavorably on health, merely from a knowledge of the annual number of days of absence per person in each principal occupation or department. This question may be determined by correlating the sickness rate with the rate of absence from all causes. If, in a considerable number of instances, a high sickness rate is accompanied by a high rate of absenteeism and a low sickness rate is coincident with good attendance, the coefficient of correlation will be high. The computation which covered 24 departments revealed a coefficient of 0.52 in the scale in which 1.0 represents perfect correlation and 0.0 no correlation at all. The probable error was found to be ± 0.10 . For correlation to be a practical certainty, the coefficient should be at least six times the size of the probable error.

It is obvious that there would be some correlation, since absence on account of sickness was, of course, included in total absence. It is therefore desirable to determine whether any relationship exists between the illness rate and the rate of absence for all causes except illness. So the days lost per employee per year on account of sickness were correlated with the days lost on account of all other reasons, and

the coefficient was found to be 0.30 ± 0.13 , which means hardly any relationship at all.¹

TABLE III.—*Absence rates for the principal causes of absence, and relative variations in the rates, by departments, in a large industrial establishment during 1919.*

| Department symbol. | Working-days lost per employee on account of— | | | Industrial accidents. | Nonindustrial accidents. | Relative variations (index numbers). | | |
|--------------------|---|------------------------|--------------------------------|-----------------------|--------------------------|--------------------------------------|------------------------|--------------------------------|
| | All causes of absence. | Sickness. ^a | Personal reasons. ^b | | | All causes of absence. | Sickness. ^a | Personal reasons. ^b |
| A..... | 36.22 | 6.84 | 29.28 | ..... | ..... | 221.1 | 142.4 | 275.2 |
| B..... | 27.05 | 4.25 | 22.28 | 0.29 | 0.87 | 160.0 | 88.5 | 202.4 |
| C..... | 25.52 | 8.20 | 17.06 | .25 | .01 | 155.8 | 170.8 | 160.4 |
| D..... | 21.31 | 5.75 | 15.41 | .10 | .05 | 130.1 | 119.7 | 141.8 |
| E..... | 21.24 | 7.90 | 12.68 | .55 | .11 | 128.7 | 104.5 | 119.1 |
| F..... | 19.29 | 1.87 | 15.39 | 1.70 | .33 | 117.7 | 88.9 | 144.6 |
| G..... | 19.03 | 3.33 | 12.80 | 2.90 | ..... | 116.2 | 69.4 | 120.3 |
| H..... | 17.39 | 4.88 | 12.30 | .14 | .08 | 108.2 | 101.6 | 115.6 |
| I..... | 16.94 | 4.17 | 11.10 | 1.67 | ..... | 103.4 | 86.8 | 104.4 |
| J..... | 16.80 | 4.56 | 11.22 | .82 | .20 | 102.6 | 94.9 | 105.5 |
| K..... | 16.02 | 5.62 | 10.09 | .28 | .03 | 97.8 | 117.1 | 94.9 |
| L..... | 15.48 | 4.72 | 10.35 | .24 | .16 | 94.5 | 98.2 | 97.4 |
| M..... | 15.25 | 6.06 | 8.89 | .26 | .04 | 93.1 | 126.1 | 83.6 |
| N..... | 14.71 | 4.21 | 10.28 | .11 | .10 | 89.8 | 87.3 | 96.7 |
| O..... | 14.33 | 6.09 | 7.83 | .34 | .07 | 87.5 | 126.8 | 73.6 |
| P..... | 13.92 | 6.74 | 6.03 | .28 | .87 | 85.0 | 140.4 | 56.7 |
| Q..... | 12.92 | 4.96 | 7.13 | .84 | ..... | 78.9 | 103.2 | 67.0 |
| R..... | 12.77 | 3.77 | 7.68 | 1.31 | ..... | 77.9 | 78.6 | 72.2 |
| S..... | 12.24 | 4.70 | 7.14 | .39 | ..... | 74.7 | 97.9 | 67.1 |
| T..... | 11.47 | 4.28 | 4.74 | 1.94 | .50 | 70.0 | 89.1 | 44.6 |
| U..... | 11.40 | 4.99 | 6.15 | .23 | .01 | 69.6 | 103.8 | 57.8 |
| V..... | 9.23 | 3.29 | 4.79 | .28 | .88 | 56.3 | 68.6 | 45.0 |
| W..... | 6.19 | 3.13 | 2.55 | .44 | .07 | 37.8 | 65.2 | 24.0 |
| X..... | 5.78 | .95 | 3.18 | 1.65 | ..... | 35.3 | 19.8 | 29.8 |

^a Includes only those cases which caused disability for more than two consecutive working-days.

^b Includes cases of sickness of less than three (work-)days' duration.

When the sickness rate was compared with the rate of absence by months, the coefficient of 0.72 was obtained, the probable error being ± 0.09 . This is high correlation and indicates the probability of similarity in the seasonal variations for sickness and absenteeism, though the fact is not conclusively determined, owing to the small number of instances, i. e., 12. It was not, however, as an index of seasonal changes, but of occupational or departmental conditions that the absence rate was to be used in the study of industrial hygiene. It seems apparent, therefore, that a large amount of absence in particular occupations or departments does not necessarily indicate unhealthful working conditions and high sickness rates, and good attendance may be indicative of a healthful environment, unless in particular instances it is found that the employees seldom stay away from work except for sickness. It may be objected that a conclusion is being drawn from conditions in only one establishment, but to this it may be replied that a real barometer should register the true conditions in every instance.

The graph in Figure 2 may make clear why the correlation between sickness and absenteeism was not particularly marked. Had correlation been perfect, line A, representing absenteeism, and line B,

¹ The sickness rate and the rate of absence for all causes except sickness, when correlated by months instead of by departments, showed a coefficient of 0.31 ± 0.18 , which again indicates the lack of any very definite tendency for the sickness rate to fluctuate in sympathy with the rate of absence for all other causes.

representing sickness, would have coincided. Line C shows that it was not sickness but personal reasons which was the greater determinant of the absence rate.

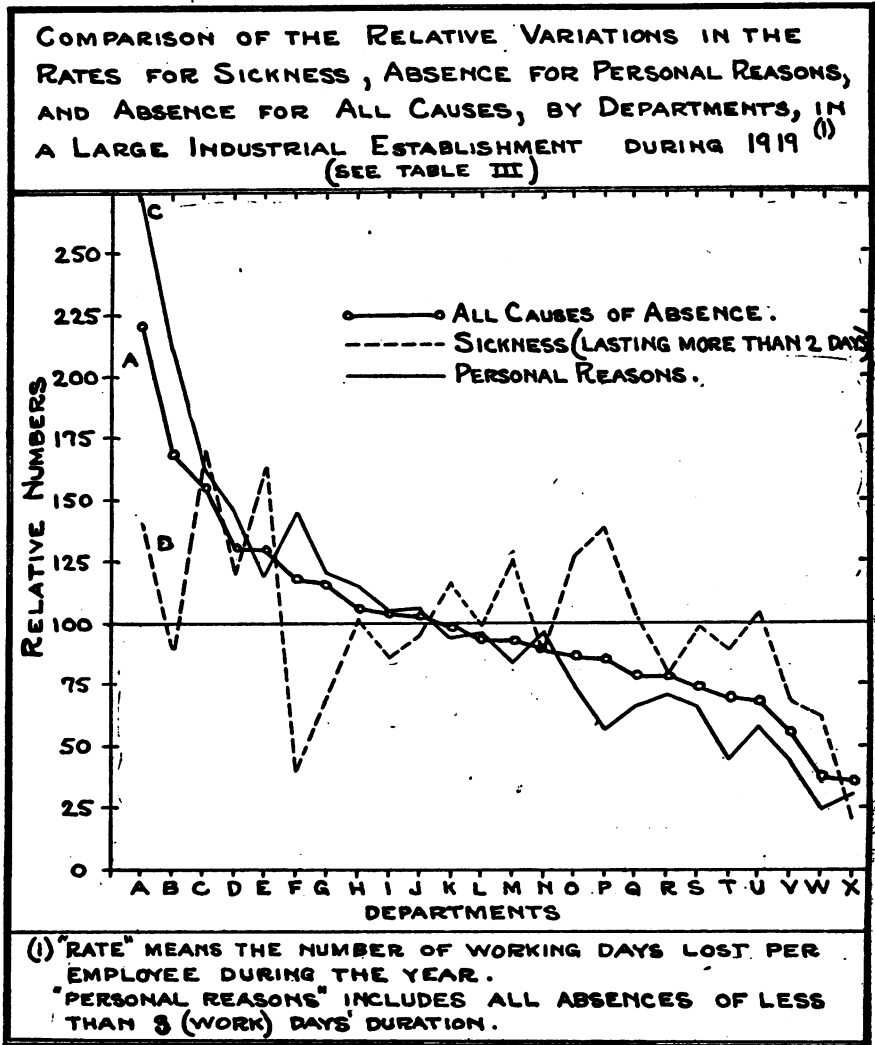


FIG. 2

Absence by Days of the Week.

Figure 3, showing the percentage of men and the percentage of women absent each day of the week, pictures the company's experience during the last five months of 1919. Women lost 78 per cent more working time than men, and absented themselves to a greater extent than the males every day in the week. Monday was the day of poorest attendance by both sexes; but there was gradual improvement until Thursday in the case of the women, and until Friday with the men, when the curves took an upward turn.

TABLE IV.—*Number and per cent of employees absent from work, by days of the week, from Aug. 1 to Dec. 31, 1919.*

| Day of week. | Average number of employees absent from work. | | Per cent of employees absent from work. | | |
|----------------|---|---------|---|---------|-------------|
| | Male. | Female. | Male. | Female. | Both sexes. |
| Monday..... | 225 | 203 | 5.11 | 8.65 | 6.34 |
| Tuesday..... | 237 | 187 | 4.70 | 7.97 | 5.83 |
| Wednesday..... | 189 | 184 | 4.29 | 7.84 | 5.53 |
| Thursday..... | 183 | 175 | 4.15 | 7.46 | 5.30 |
| Friday..... | 181 | 191 | 4.11 | 8.14 | 5.51 |
| Saturday..... | 209 | 193 | 4.75 | 8.44 | 6.03 |
| ✓Average..... | 199 | 189 | 4.52 | 8.06 | 5.75 |

Average number of employees: Male, 4,402; female, 2,346.

The Age Factor in Disability.

In accounting for variations in the frequency and duration of disability, both American and European experience with sickness insurance has demonstrated that age is the most important factor. The sickness rates for different age groups among the company's employees are shown in the graph in Figure 4, which discloses a marked increase in sickness among persons of 50 or more years of age.

TABLE V.—*Working-days lost on account of sickness, by different age groups—Morbidity experience of the employees of a large industrial establishment during 1919.*

| Age period. | Number of employees. | Number of disabled employees. ^a | Working-days lost. ^a | Days lost per employee per year. ^a | Days lost per disabled employee. ^a |
|------------------|----------------------|--|---------------------------------|---|---|
| All ages..... | 6,748 | 2,534 | 36,171 | 5.36 | 14.27 |
| 15 to 21..... | 2,421 | 771 | 12,675 | 5.24 | 16.44 |
| 25 to 34..... | 2,318 | 949 | 11,463 | 4.95 | 12.08 |
| 35 to 44..... | 1,170 | 479 | 6,213 | 5.31 | 12.97 |
| 45 to 54..... | 538 | 208 | 3,069 | 5.16 | 14.71 |
| 55 to 64..... | 194 | 94 | 2,013 | 10.37 | 21.41 |
| 65 and over..... | 52 | 33 | 748 | 14.38 | 22.67 |

^a Includes only those illnesses which caused disability for more than two consecutive working-days and refers to cases only; i. e., the same person may have been sick more than once.

The Sickness Rate According to Occupation or Department.

The illness rate for each principal occupation or department in a factory, mine, or store is needed in the intelligent study of industrial hygiene, and is very valuable as a guide in its proper administration. It is quite erroneous, however, to assume that a high sickness rate in any department or occupation is conclusive evidence of an unhygienic working environment. Any excess rate (the amount of sickness that is above a fairly determined norm) might be entirely accounted for by the age of the workers, by sex, by wrong home conditions, such as poor diet, household congestion, etc., or by an insanitary situation in the community. The influence of these important factors should

be eliminated by proper investigation before working conditions can properly be condemned as the cause of a high morbidity. These considerations should be regarded in the interpretation of any diagram like that shown in Figure 5.

It will be noticed that there is considerable variation in the amount of sickness in different departments, the rate ranging from less than one day of sickness per person per year in department X to more than

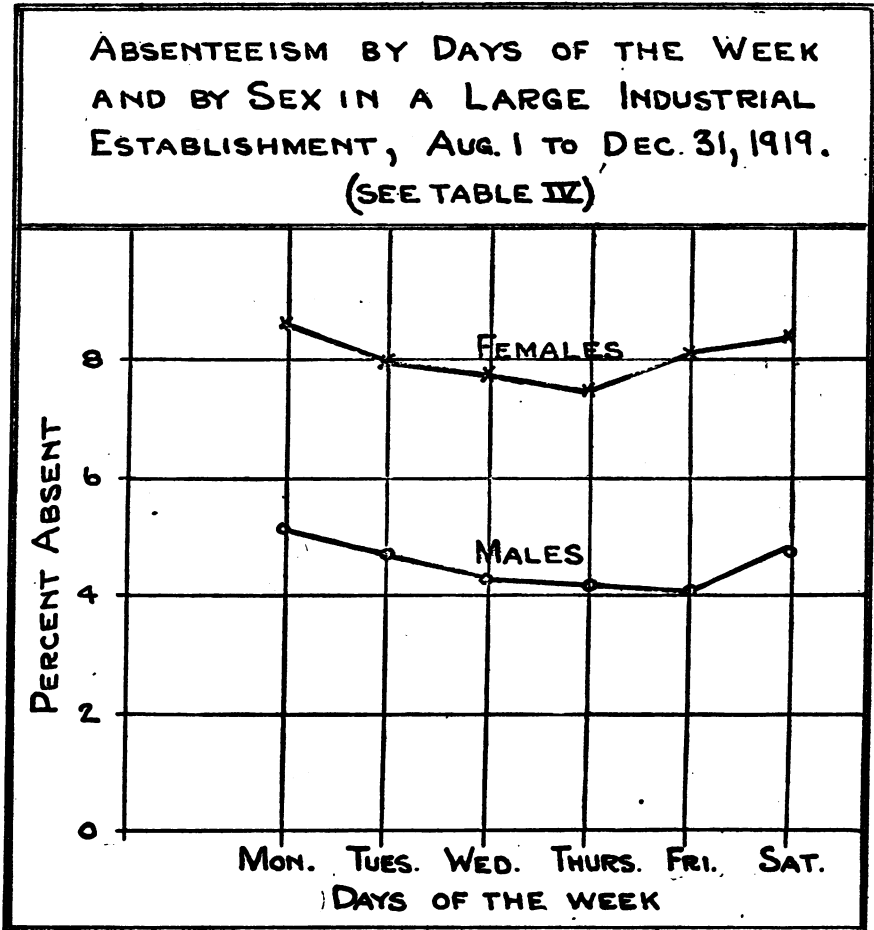


FIG. 3.

eight days in department C. If, however, the two departments having the highest rates and the two having the lowest rates be omitted for the moment, the range is greatly decreased and the regularity of the array becomes rather striking. The four departments showing big deviation from the average rate should be analyzed to determine the age, sex, and possibly nationality, composition of each as well as the number of cases, the time lost, and the nature of the illnesses causing disability.

Sickness Among Persons of Different Nationality.

Illness rates for the principal nationalities employed are presented below. The Americans numbered 3,340, Lithuanians 277, Canadians 378, Italians 978, Irish 459, and Armenians 324. Information as to nationality was obtained from the employment records which gave the answer to the question, "What nationality are you?" asked of all employees at the time of entering the service of the company. The nationality, therefore, unfortunately does not indicate whether the person was foreign born or not.

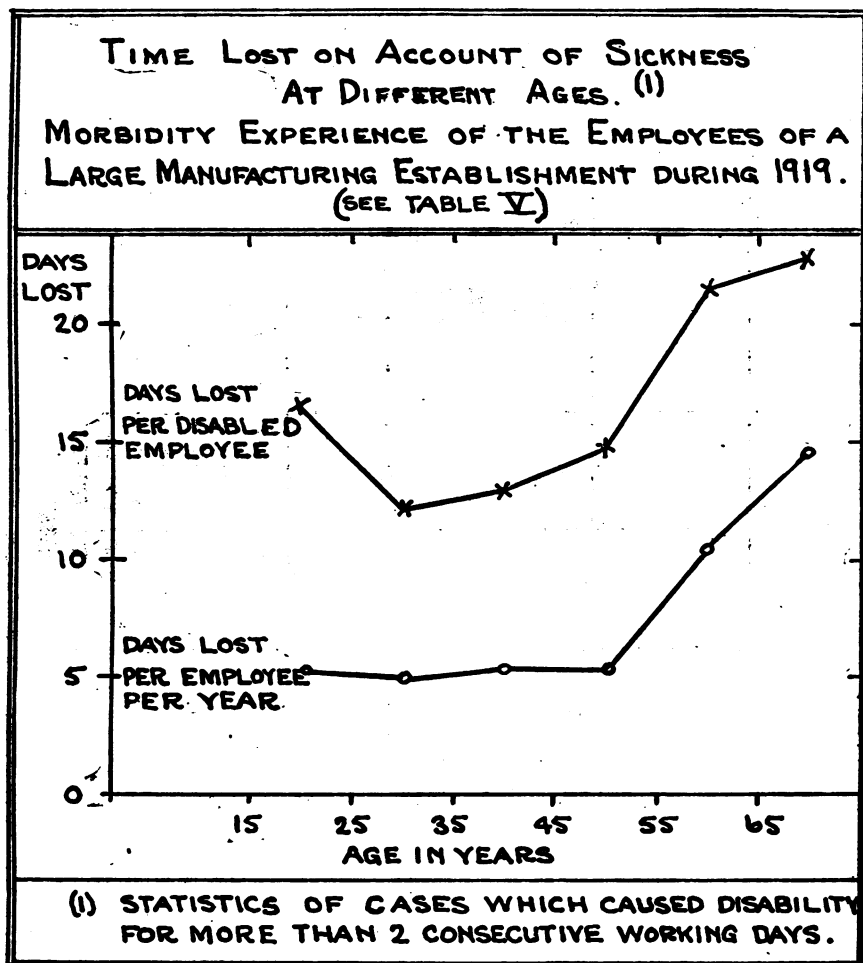


FIG. 4.

It would be premature to rejoice over the low morbidity rate shown for Americans until the facts of age and sex and the nature of the sickness producing the disability have been ascertained. The graph (Fig. 6), however, raises the interesting question whether the sickness experience of certain race stocks is similar to their mortality expe-

rience. Dr. Louis I. Dublin and Mr. Gladden W. Baker in a study of mortality in New York and Pennsylvania have concluded that the presence of the foreign stock has had the undoubted effect of increasing the total death rate in both these States, especially after the age of 45 is attained, and that the superior vitality of the native stock is fully demonstrated as to both sexes.³

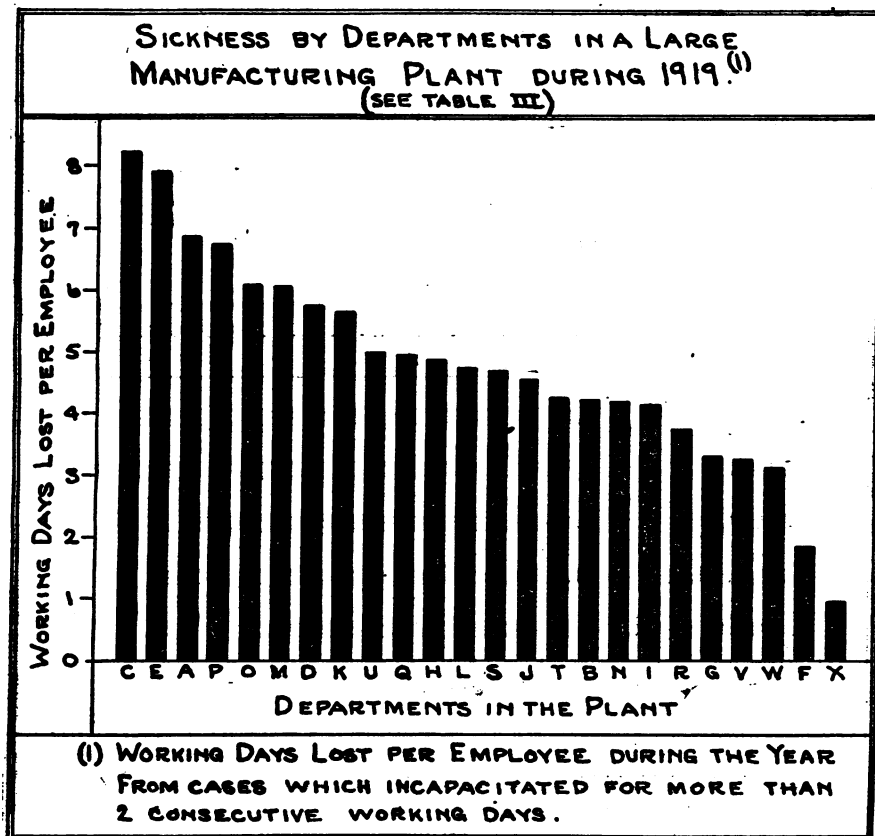


FIG. 5.

TABLE VI.—Working days lost on account of sickness, by the principal nationalities employed, year of 1919.

| Nationality. | Num' er of em- ployees. | Number of dis- abled em- ployees. ^a | Working days lost. ^a | Days lost per em- ployee per year. ^a | Days lost per dis- abled em- ployee. ^a |
|------------------------------|-------------------------|--|---------------------------------|---|---|
| American..... | 3,340 | 1,992 | 14,290 | 4.28 | 7.17 |
| Lithuanian..... ^f | 277 | 81 | 1,188 | 4.29 | 14.67 |
| Canadian..... | 378 | 153 | 2,153 | 5.70 | 14.07 |
| Italian..... | 978 | 508 | 6,334 | 6.48 | 12.59 |
| Irish..... | 459 | 227 | 3,177 | 6.92 | 14.00 |
| Armenian..... | 324 | 126 | 2,311 | 7.13 | 18.34 |

³ Dublin, Louis I., and Baker, Gladden W., The Mortality of Race Stocks in Pennsylvania and New York, 1910: Am. Stat. Quarterly, March, 1920, p. 17.

^a Includes only those illnesses which caused disability for more than two consecutive working-days, and refers to cases only; i. e., the same person may have been sick more than once.

If the morbidity rates for the Irish, Italians, Armenians, etc., should be shown by future studies to be actually higher than those for native Americans, as the present array suggests, it is probable that not only the relative lack of vitality of certain foreign nationalities will be found important in determining the morbidity as well as the mortality rates for industrial employees, but also that race habits and relatively low economic status will be found to be factors of equal if not greater importance in their effect on disease incidence and severity. Knowledge of the relationship between morbidity and mortality among persons of different nationality, especially when

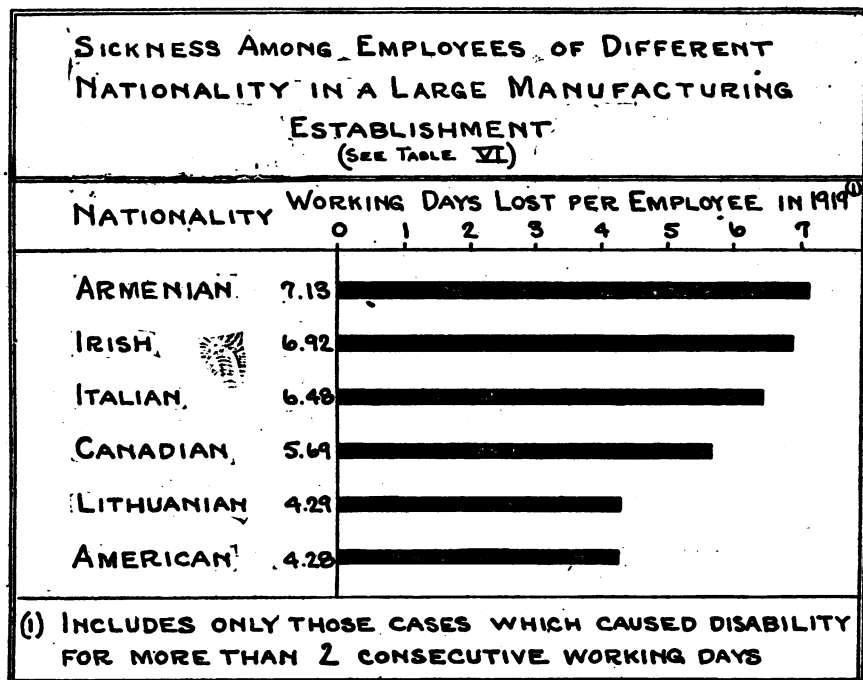


FIG. 6.

studied in relation to age and sex and other important conditions of physical status, home and working environment, would make for a more complete appreciation of what is involved in carrying on preventive work in the most effective way.

Only a few of the possible inquiries that a business organization may advantageously make in the study of its health problem have been mentioned above; but even these few statistics selected from the annual report of the service department of a single company indicate at least to some extent what fruitful fields there are to explore in the process of creating a healthy, stable body of workers and in conserving life in industrial communities.

A COMPARATIVE STUDY OF STATE REGULATIONS FOR THE CONTROL OF INFLUENZA.

By L. W. FEEZER, Educational Agent, Minnesota State Board of Health.

This paper was prepared as a report for the Minnesota State Board of Health on the existing influenza regulations of the various States. The data which it contains were collected with a view to placing the board in possession of information which might be useful to it in revising its regulations. Ever since the memorable epidemic of the fall of 1918 it has been keenly realized that there is a wide divergence of opinions, methods, and governmental regulations in the various States and municipalities regarding the control of influenza.

The regulations of the State of Minnesota were studied in the light of accumulated criticism of certain provisions which were considered by some to be more or less impracticable of enforcement. It then appeared that if the regulations of the other States were secured, a comparative study could be made which would bring out the experience of the country at large and aid in formulating amendments which would take advantage of the experience and avoid the shortcomings of other communities. The United States Public Health Service was unable to furnish the information desired, since it had undertaken no study of precisely this scope. Therefore a questionnaire was sent out to the State health officers of each of the States.

After reviewing the questions which had been raised by local experience, it was decided to ask seven principal questions, some of which were subdivided. These questions were as follows:

1. Is influenza reportable?
 - (a) To whom is it reportable, local or State health officer?
 - (b) Is it reportable by mail or by wire?
2. Are influenza patients quarantined or isolated?¹
 - (a) How long is isolation or quarantine maintained?
 - (b) Does this apply to other members of patient's family?
3. Is influenza placarded?
4. Is the closing of public places directed by the State health officer or left to local health authorities to determine?
5. What class of public places or public meetings does your State health authority recommend closing?
 - (a) Under what circumstances do you consider an epidemic situation to justify such closing as is required?
6. Are public funerals forbidden?
 - (a) Precisely who is permitted to attend a private funeral?
7. Do you recommend the use of serum?
 - (a) As a prophylactic?
 - (b) As treatment?

¹ Quarantine: The separation of the patient and others in the same household from all other persons, and the prohibition of entrance to and exit from the premises where the sick person is confined.

Isolation: The separation of the patient and actual attendants in the sick room from all other persons, without restriction of other members of the same household, provided that they have no contact with the patient.

Influenza regulations in force in 40 States, compiled from answers to a questionnaire sent out March 15, 1920.

| State. | Reporting influenza. | | Are influenza patients quarantined or isolated? | | | | Closing of public places or meetings determined by State or local health officer? | Class of public places or meetings State authority recommends closing. | Funerals. | | Recommendation (a) as to property-labor (b) as to treatment. |
|---------------------|-----------------------|------------|---|-----------------|---------------------------------------|--|---|--|----------------------------------|--|--|
| | Reportable? | To whom? | By mail or wire? | Which? | How long? | Applicable to other members of patient's family? | | | Public funerals forbidden? | Who is permitted to attend private funerals? | |
| Alabama..... | Yes..... | Local..... | Mail..... | No..... | None..... | No..... | Local..... | Special..... | No..... | ..... | No..... |
| California..... | Yes..... | Local..... | Mail..... | Isolation..... | Till recovery..... | No..... | Local..... | Special..... | No..... | ..... | No..... |
| Colorado..... | Yes..... | Local..... | Mail..... | Isolation..... | 2 weeks after normal temperature..... | No..... | Yes..... | Special..... | No..... | ..... | No..... |
| Connecticut..... | Yes..... | Local..... | Mail..... | No..... | Till recovery..... | No..... | No..... | Special..... | No..... | ..... | No..... |
| Delaware..... | Yes..... | State..... | Mail..... | No..... | No..... | No..... | No..... | None..... | Yes..... | Family..... | No..... |
| Florida..... | Yes..... | State..... | Mail..... | Local..... | Till recovery..... | No..... | No..... | None..... | No..... | ..... | No..... |
| Illinois..... | Yes..... | Local..... | Mail..... | Isolation..... | 5 days after normal temperature..... | Contacts..... | Yes..... | All..... | Yes..... | Family..... | No..... |
| Indiana..... | Yes..... | Local..... | Mail..... | No..... | ..... | Yes..... | No..... | None..... | No..... | ..... | No..... |
| Iowa..... | Yes..... | Local..... | Mail..... | Quarantine..... | ..... | Contacts..... | Local..... | None..... | Yes..... | Family..... | No..... |
| Kansas..... | Yes..... | Local..... | Mail..... | Quarantine..... | 5 days after normal temperature..... | Contacts..... | Yes..... | All..... | Yes..... | Family..... | No..... |
| Kentucky..... | Yes..... | Both..... | Mail..... | Local..... | Local..... | No..... | Local..... | Special..... | No..... | ..... | Yes..... |
| Louisiana..... | Yes..... | Both..... | Mail..... | Local..... | Till recovery..... | No..... | Local..... | Special..... | No..... | ..... | No..... |
| Maine..... | Yes..... | Local..... | Mail..... | Isolation..... | ..... | No..... | No..... | None..... | Yes..... | Family..... | No..... |
| Maryland..... | Yes..... | Local..... | Mail..... | Local..... | ..... | No..... | Local..... | None..... | Yes..... | Family..... | No..... |
| Massachusetts..... | Yes..... | Local..... | Mail..... | Isolation..... | 7 days after normal temperature..... | Contacts..... | Local..... | None..... | Yes..... | Family..... | No..... |
| Michigan..... | Yes..... | Local..... | Mail..... | Isolation..... | ..... | Contacts..... | Yes..... | All..... | Yes..... | Contacts..... | No..... |
| Minnesota..... | Yes..... | Local..... | Mail..... | Quarantine..... | 5 days after normal temperature..... | Yes..... | State..... | All..... | Yes..... | Family..... | No..... |
| Mississippi..... | Yes..... | State..... | Mail..... | No..... | ..... | No..... | Local..... | None..... | No..... | ..... | No..... |
| Missouri..... | Yes..... | Local..... | Mail..... | Isolation..... | 5 days after normal temperature..... | No..... | Both..... | None..... | Yes..... | Contacts..... | No..... |
| Montana..... | Yes..... | Local..... | Mail..... | Isolation..... | Till recovery..... | Contacts..... | State..... | None..... | Open-air services permitted..... | ..... | No..... |
| Nebraska..... | Yes..... | Local..... | Mail..... | Quarantine..... | Local..... | No..... | Local..... | All..... | ..... | Family..... | No..... |
| New Hampshire..... | Yes..... | Both..... | Mail..... | Quarantine..... | ..... | No..... | Local..... | Special..... | Yes..... | ..... | No..... |
| New Jersey..... | Yes..... | Both..... | Mail..... | Isolation..... | ..... | Yes..... | Local..... | Special..... | Yes..... | ..... | No..... |
| New Mexico..... | Yes..... | Local..... | Mail..... | Isolation..... | 5 days after normal temperature..... | Yes..... | Local..... | None..... | No..... | ..... | No..... |
| North Carolina..... | In special cases..... | Local..... | Mail..... | Local..... | No..... | No..... | Local..... | All..... | Yes..... | Family..... | No..... |

Replies to the questionnaire were received from 39 States, exclusive of Minnesota.

In answer to some of the more important questions a majority of the States displayed considerable agreement. However, on a few questions it was noticeable that there was a clearly marked division between a majority of States which took one definite position and an important minority which took a different one. In answer to most of the questions there was a sprinkling of replies which could not be included in either of the principal groups. Where the answers seemed to vary more in the manner in which they were expressed than in the fundamental intent, it seemed best to take the liberty of interpreting them to some extent for the purpose of classifying them in one of the groups. The complete tabulation of replies, which is given herewith, makes it possible, by running down the columns, to note quickly and in a general way the trend of replies to any particular question. Then by locating the State and running across the page it is easy to grasp the general procedure in controlling influenza in that State.

The ratios between the different groups as regards their positions on the various points covered are given in the summary of the tabulated replies. In reading this summary it should be borne in mind that the percentages do not refer to the total number of States in the Union, but merely to the number of those States (40, including Minnesota) answering the questionnaire or, in some cases, the particular question. In most cases all questions were answered, but in some instances a very small number of States sending in the questionnaire did not answer certain questions. It is, of course, impossible to state whether any of the percentages given in this report represent the proportional variation of opinion or practice for the entire country.

Summary of Replies.

Question No. 1.—Is influenza reportable?

| | Percent. |
|--------------------------------|----------|
| Yes (36)..... | 90.0 |
| No (1)..... | 2.5 |
| Yes (in special cases, 2)..... | 5.0 |
| Yes (locally, 1)..... | 2.5 |

Question No. 1 (a).—To whom is it reportable, local or State health officer?

(Including only the 39 States where influenza is reportable.)

| | Percent. |
|-------------------------------------|----------|
| Local health officer only (29)..... | 74.4 |
| State health officer only (5)..... | 12.8 |
| Both (5)..... | 12.8 |

A majority of the answers to this question indicate that the custom is to have cases reported first to the local health officer and then by him transmitted to the State health officer. Others clearly indicate that reports were made directly to the State health officer by the attending physician.

Question No. 1 (b).—Is it reportable by mail or by wire?

(Including only the 39 States where influenza is reportable.)

| | Per cent. |
|-------------------|-----------|
| By mail (36)..... | 92.3 |
| Both (1)..... | 2.6 |
| No reply (2)..... | 5.1 |

Many State health officers explained that during epidemics reports by wire were also requested from local health officers, daily in some States. These wire reports were asked for only in cities in some States; in others, only in selected larger cities.

Question No. 2.—Are influenza patients quarantined or isolated?

| | Per cent. |
|------------------------------------|-----------|
| Isolated (17)..... | 42.5 |
| Quarantined (7)..... | 17.5 |
| Neither (9)..... | 22.5 |
| Left to local authorities (5)..... | 12.5 |
| By placard only (1)..... | 2.5 |
| No reply (1)..... | 2.5 |

Question No. 2 (a).—How long is isolation or quarantine maintained?

(Including only the 24 States where isolation or quarantine is maintained.)

| | Per cent. |
|---|-----------|
| Until recovery from all clinical symptoms (5)..... | 20.8 |
| Until 5 days after return to normal temperature (5)..... | 20.8 |
| Until 2 days after return to normal temperature (1)..... | 4.2 |
| Until 4 days after return to normal temperature (1)..... | 4.2 |
| Until 7 days after return to normal temperature (2)..... | 8.3 |
| Until 10 days after return to normal temperature (1)..... | 4.2 |
| Until 14 days after return to normal temperature (1)..... | 4.2 |
| No time fixed (1)..... | 4.2 |
| Determined locally (2)..... | 8.3 |
| No reply (5)..... | 20.8 |

Question No. 2 (b).—Does this apply to other members of the patient's family?

(Including only the 24 States above.)

| | Per cent. |
|------------------------|-----------|
| No (11)..... | 45.8 |
| Yes (5)..... | 20.8 |
| Contacts only (5)..... | 20.8 |
| No reply (3)..... | 12.5 |

Question No. 3.—Is influenza placarded?

| | Per cent. |
|--|-----------|
| No (19)..... | 47.5 |
| Yes (14)..... | 35.0 |
| Controlled by local authorities (5)..... | 12.5 |
| No reply (2)..... | 5.0 |

Question No. 4.—Is the closing of public places directed by the State health officer or left to the local health authorities to determine?

| | Per cent. |
|-------------------|-----------|
| Local (29)..... | 72.5 |
| State (8)..... | 20.0 |
| Both (2)..... | 5.0 |
| No reply (1)..... | 2.5 |

Question No. 5.—What class of public places or public meetings does your State health authority recommend closing?

| | Per cent. |
|-------------------|-----------|
| None (21)..... | 52.5 |
| Spécial (11)..... | 27.5 |
| All (7)..... | 17.5 |
| No reply (1)..... | 2.5 |

In the answers to the questionnaire there was much diversity of opinion among the different States as to the types of places considered nonessential. Those most commonly so designated and stated as places which should be closed under epidemic conditions are dance halls, skating rinks, and the like.

Question No. 5 (a).—Under what circumstances do you consider an epidemic situation to justify such closing as is required?

Practically all the State health officers who replied to the questionnaire answered this question by stating that in a situation like the 1918 epidemic closing regulations should be applied, but in an epidemic like the one of January and February, 1920, closing was unnecessary.

Two States answered "When epidemic."

One State answered "When more than 3 per cent of the population is affected."

Question No. 6.—Are public funerals forbidden?

| | Per cent. |
|--------------------|-----------|
| No (22)..... | 55.0 |
| Yes (17)..... | 42.5 |
| Qualified (1)..... | 2.5 |

Question No. 6 (a).—Precisely who is permitted to attend a private funeral?

(Based on the answers of the 17 States (42.5 per cent of the 40 States) answering "yes" to question No. 6.)

| | Per cent. |
|-------------------|-----------|
| Family (13)..... | 76.5 |
| Contacts (3)..... | 17.7 |
| No reply (1)..... | 5.9 |

Question No. 7.—Do you recommend the use of serum (a) as a prophylactic; (b) as treatment?

One State recommended its use for prophylaxis only.

No other State recommended it at all, although some answered that they recommended antipneumococcic vaccine as a prophylactic against complications.

Summary of Conclusions.

1. Great divergence of practice exists on practically all features of influenza control as represented by the regulations and other measures which are in force throughout the country.

2. It is noticeable that 97.5 per cent of the 40 States considered require some system of reporting. The reports are made to the local health officer in 74.4 per cent of these States; to the State health officer in 12.8 per cent; and to both in 12.8 per cent. The method is the same in 92.3 per cent, namely, by mail.

3. There is a great division in practice in quarantine methods; also in regard to placarding.

4. A noticeable fact with regard to the policy of closing public places in time of epidemic is a tendency to shift the responsibility to the local health authorities. A number of comments which were received in addition to the straight answers to the questions indicated a growing inclination to the view that closing is useless.¹

5. On the matter of public funerals the practice is fairly equally divided.

6. Relative to the use of serum, it is very clear that public health authorities, almost without exception, are unwilling to take the responsibility of making any recommendations whatsoever.

ACID BURNS ON HANDS OF SOLDERERS.

EXPERIENCE AT THE CURTIS BAY GENERAL ORDNANCE DEPOT, SOUTH BALTIMORE, MD.

By HARRY W. KEATLEY, Acting Assistant Surgeon, United States Public Health Service.

The Process.

During the early part of April, 1920, a soldering department was established at the Curtis Bay General Ordnance Depot, South Baltimore, Md., in connection with the handling of shells placed for permanent storage. To assure safe storage, each shell is taken from its original case of heavy pasteboard and placed in a tin container, the top of which it is necessary to solder on in order to make the container absolutely airtight and waterproof. The personnel of this department consists of a foreman and several experienced solderers and their helpers.

The shells are taken from their individual containers by one group of laborers and placed upon an automatic conveyor. They are received by another group of men. These latter workers place the shells in the storage containers of tin and drive the tin cover down snugly over the end. The containers are then passed to the

¹ An extensive discussion of influenza control measures, in which this method receives considerable attention, is contained in "Influenza: A Study of Measures Adopted for the Control of the Epidemic," by W. H. Kellogg, M. D., published by the California State Board of Health, 1919.

soldering table, where the covers are soldered fast. From there they are taken by the helper to a large dipping vat and immersed for the purpose of determining their airproof and waterproof qualities. They are then passed on for packing in wooden boxes.

The Problem—Acid Burns.

Shortly after these soldering operations were commenced, solderers and their helpers began to filter into the plant dispensary with what formerly was known, before the advent of the modern soldering fluids, as "acid cores." These "acid cores" usually occur on either surface of one or both hands; however, some burns of the face, some across the thigh, from leaning against the soldering table, and some on other parts of the body were received for treatment. The "acid cores" were single and multiple and varied from the size of the head of a pin to that of a 10-cent piece, or even larger. The severity of the burns seemed to depend upon the susceptibility of the patient, for it was noted that although some workers suffered no injury, others were burned, even though they wore light leather gloves to protect their hands.

When first seen the lesion shows a carbonized appearance, with a slight reddened and inflamed area surrounding; that is, it has the appearance of a dark colored or black crust, with an underlying small abscess containing a small quantity of blood-streaked pus. The burn, as a rule, involves all layers of the skin proper. From within 24 to 36 hours after exposure and contact, sloughing begins. Though responding quite readily to treatment, the burns may be a source of much pain and inconvenience to the patient. In some cases they were so severe that the patients were absent from their work from one day to several weeks, drawing compensation under the terms of the compensation act.

The increase in the number of such burns within the period of a few days, together with the possibility of a decrease in production in this department and a prospective increase in compensation claims for the loss of time, prompted an investigation to ascertain the primary cause of the burns and the steps necessary to prevent them.

How the Burns Are Caused.

This investigation showed that during the process of soldering it is necessary to use a liquid which will cause a slight erosion on the object to be soldered, in order that the lead solder will take hold. In this instance the liquid used was one of the several varieties of "Soldering Flux" or compounds which are sold on the market, consisting primarily of muriatic acid and zinc. In applying this flux to the shell containers and tin tops a swab consisting of a short stick was used. This stick was dipped into a can of soldering fluid and applied to the object to be soldered. The worker himself makes the application just before applying the heated solder. It was noticed

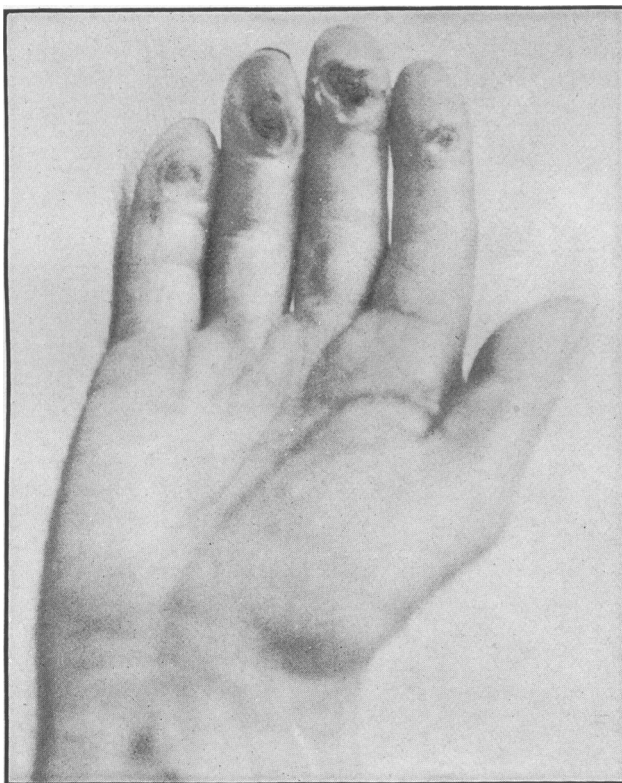


Fig. 1.—Acid burns ("acid cores").

that a drop or two of the fluid would almost invariably run toward the solderer's hand as he manipulated the swab, especially if care was not used, thus furnishing the contact which caused the burn. It was also noted that the flux when applied to the tin container would run down its side, even though only a small quantity was being used. When the solderer finished his work on a container the helper grasped it at both ends and transferred it to the testing tank. At times, in so doing, his hands would also come in contact with the soldering solution. Now, the particular brand of soldering fluid used at this depot was advertised as noncaustic. It was received in barrel lots; no directions accompanied the barrels, either as labels or circulars, and it was supposed by those in charge that it was to be used as received. Experience, however, proved otherwise.

Preventive Measures.

It was suggested that the use of the soldering fluid should be discontinued and that rosin or some other substitute be temporarily employed pending a further investigation. This was not deemed feasible in view of the fact that these materials were not on hand, and the time consumed in procuring them would cause serious delay in production. The use of soldering flux was continued, but the men were directed to wash their hands at short intervals in a strong solution of bicarbonate of soda, which was furnished for the purpose. The manufacturer of the fluid, located in a near-by city, was communicated with. He disclaimed responsibility and stated he was at a loss to account for such burns, as the same flux was being used by several plants throughout the country without ill results. Another user of the same product was found who stated that at the beginning of the use of this fluid he had had one or two minor burns, but had eliminated further injuries by using as a washing solution a neutralizing solution of soda bicarbonate, in which the men had been directed to wash their hands whenever coming in contact with the fluid. As previously stated, this plan had been adopted at the Curtis Bay General Ordnance Depot as a temporary expedient, but it consumed a considerable amount of time in a days' work, and it was inconvenient to follow it. Furthermore, the fluid had been purchased by this depot in large quantities and a large supply was still on hand. It was then decided to try the effect of cutting down the strength of the solution—the manufacturer admitted that the fluid could be diluted to some extent in the soldering of tin. By experimentation the strength of the solution was finally reduced nearly 50 per cent, resulting in the entire elimination of the "acid cores," with no reduction in production.

By diluting the solution, not only is the normal output of work maintained, but there is a saving of practically one-half of the cost of the flux, as well as the elimination of an injury hazard carrying with it, in some cases, compensation costs for loss of time.

BACTERIOLOGICAL EXAMINATIONS IN SUSPECTED PLAGUE CASES.

The following circular relative to the shipment of specimens in suspected plague cases and containing a list of laboratories of the United States Public Health Service has recently been sent out from the Bureau to health officers.

SHIPMENT OF TISSUE OF PERSONS OR ANIMALS SUSPECTED OF SUFFERING FROM BUBONIC PLAGUE.

TREASURY DEPARTMENT,
BUREAU OF THE PUBLIC HEALTH SERVICE,
Washington, August 30, 1920.

BUREAU CIRCULAR LETTER NO. 227.

To Officers of the Public Health Service and State and Local Health Officers:

Owing to the appearance of plague in several American ports it is important that all cases of suspected plague; both in man and animals, be subjected to a bacteriological examination.

1. The following material from persons or rodents suffering from plague may be sent to laboratories:

Human Cases (Living).

- (a) Pus or gland fluid from buboes aspirated by syringe, or collected after incision, on agar slants.
- (b) Portions of tissues affected, removed at operation, in sterilized bottles, securely stoppered.
- (c) Blood specimens, in sterilized sealed glass ampules or test tubes
- (d) Cultures of suspected organisms, on agar slants.

Human Cases (Necropsy).

- (a) Portions of the affected tissues—preferably bubo, lung, and spleen—in sterilized glass bottles, securely stoppered

Rodents.

- (a) The whole rodent carcass, in fruit preserving jar.

2. Do not place tissues nor rodents, in a preservative. The bacteriological diagnosis of plague rests upon the production of the disease in laboratory animals, and the isolation and growth of the causative organism, *Bacillus pestis*. Any preservative that kills this organism will defeat the purpose of the examination. If decomposition of the specimen is feared, it may be placed in a tight container and this in turn surrounded by ice in a larger container, preferably of wood. Every specimen should be plainly marked, preferably by ordinary pencil, showing the date and the exact location from which it was taken.

3. The shipper must make certain that the specimen is packed in such manner as to prevent possible danger to those handling the same, provided the package is properly handled.

In this connection it is necessary that specimens be wrapped in sufficient cotton, or other absorbent material, to prevent leakage of fluid from the container should the glass be broken.

THE FOLLOWING INSTRUCTIONS SHOULD BE EXPLICITLY OBSERVED.

- 1. *Ship by express.*—Federal laws prohibit the shipping of plague-infected material, or cultures, by mail.

2. Do not make packages too small, as small packages are more likely to be lost in transit, or overlooked.
3. Each package should be marked as follows:

NOTICE.

This package contains perishable specimens for bacteriological examination.

PLEASE EXPEDITE.

Material should be sent to the nearest one of the following Service Laboratories, which will make examination and report thereon:

1. The Hygienic Laboratory, Twenty-fifth and E Streets NW., Washington, D. C.
 2. U. S. Plague Laboratory, No. 200 Duboce Street, San Francisco, Calif.
 3. U. S. Plague Laboratory, No. 525 St. Charles Street, City Hall, New Orleans, La.
 4. U. S. Plague Laboratory, Medical Department, University of Texas, Galveston, Tex.
 5. U. S. Plague Laboratory, State Department of Health Building, Pensacola, Fla.
 6. U. S. Plague Laboratory, Beaumont, Tex.
- Respectfully,

H. S. CUMMING,
Surgeon General.

RESULTS OF ANTIMALARIAL MEASURES ON THE ISLAND OF CYPRUS.

The annual medical report of the Island of Cyprus for 1919 states that the antimalarial measures which were begun in 1913 were successfully continued during 1919 and resulted in a further reduction in the prevalence of malaria for that year.¹

The malaria incidence has fallen steadily from 10,035 cases treated in 1912 to 1,962 in the year 1919, and the spleen index rate has declined constantly from 17.2 per cent in 1913 to 5.2 in 1919.

The following table, covering the period 1912 to 1919, shows the steady reduction in the prevalence of malaria as indicated by the total number of cases treated and the percentage of enlarged spleens found on examination of school children each fall by the medical officers:

| Year. | Total cases treated. | Spleen rate. | Year. | Total cases treated. | Spleen rate. |
|-----------|----------------------|--------------|-----------|----------------------|--------------|
| 1912..... | 10,035 | ..... | 1916..... | 3,752 | 7.6 |
| 1913..... | 7,342 | 17.2 | 1917..... | 2,709 | 6.0 |
| 1914..... | 6,022 | 15.3 | 1918..... | 2,414 | 5.1 |
| 1915..... | 4,539 | 11.5 | 1919..... | 1,962 | 5.2 |

The estimated population of the island of Cyprus in the year 1919 was 311,108, as compared with 306,997 in the year 1918.

Antimalarial work, including draining of marshes and a fresh-water lake and construction and repair of aqueducts and drains, was carried on during the year.

¹ Notes on this work for the years 1917 and 1918 were published in Public Health Reports, Nov. 29, 1918, and Sept. 26, 1919.

DEATHS DURING WEEK ENDED AUG. 28, 1920.

[From the "Weekly Health Index," Aug. 31, 1920, issued by the Bureau of the Census, Department of Commerce.]

Deaths from all causes in certain large cities of the United States during the week ended Aug. 28, 1920, infant mortality (per cent), annual death rate, and comparison with corresponding week of preceding years.

| City. | Population Jan. 1, 1920, subject to revision. | Week ended Aug. 28, 1920. | | Average annual death rate per 1,000. ¹ | Per cent of deaths under 1 year. | |
|---------------------------|---|---------------------------|--------------------------|---|----------------------------------|--------------------------------------|
| | | Total deaths. | Death rate. ¹ | | Week ended Aug. 28, 1920. | Previous year or years. ² |
| Akron, Ohio..... | 208,435 | 36 | 9.0 | * 8.6 | 22.2 | * 20.5 |
| Albany, N. Y..... | 113,344 | 28 | 12.9 | C 8.3 | 10.7 | C 5.6 |
| Atlanta, Ga..... | 200,616 | 57 | 14.8 | C 14.2 | 12.3 | C 14.8 |
| Baltimore, Md..... | 733,826 | 172 | 12.2 | A 15.1 | 23.8 | A 24.7 |
| Birmingham, Ala..... | 178,270 | 44 | 12.9 | A 17.6 | 25.0 | A 14.3 |
| Boston, Mass..... | 747,923 | 184 | 12.8 | A 15.6 | 25.0 | A 21.6 |
| Bridgeport, Conn..... | 143,152 | 27 | 9.8 | | 29.6 | |
| Buffalo, N. Y..... | 505,875 | 114 | 11.8 | C 10.4 | 23.7 | C 23.0 |
| Cambridge, Mass..... | 109,456 | 22 | 10.5 | A 12.1 | 27.3 | A 25.4 |
| Chicago, Ill..... | 2,701,212 | 505 | 9.7 | A 13.3 | 21.6 | A 26.3 |
| Cincinnati, Ohio..... | 401,153 | 83 | 10.8 | C 9.3 | 21.7 | C 14.1 |
| Cleveland, Ohio..... | 796,836 | 152 | 9.9 | C 12.4 | 27.0 | C 19.4 |
| Columbus, Ohio..... | 237,031 | 45 | 9.9 | C 11.8 | 13.3 | C 22.6 |
| Dallas, Tex..... | 158,976 | 33 | 10.8 | | 18.2 | |
| Dayton, Ohio..... | 153,830 | 37 | 12.5 | C 13.4 | 16.2 | C 23.1 |
| Denver, Colo..... | 256,369 | 60 | 12.2 | A 12.1 | 10.0 | |
| Detroit, Mich..... | 993,739 | 178 | 9.3 | | 24.7 | |
| Fall River, Mass..... | 120,485 | 46 | 19.9 | C 17.3 | 32.6 | C 22.5 |
| Grand Rapids, Mich..... | 137,634 | 31 | 11.7 | C 8.8 | 12.9 | C 21.7 |
| Hartford, Conn..... | 138,036 | 33 | 12.5 | | 42.4 | |
| Indianapolis, Ind..... | 314,194 | 70 | 11.6 | C 13.0 | 22.9 | C 10.4 |
| Jersey City, N. J..... | 297,861 | 45 | 7.9 | C 9.7 | 24.4 | C 20.0 |
| Kansas City, Kans..... | 101,177 | 27 | 13.9 | | 22.2 | |
| Kansas City, Mo..... | 324,410 | 89 | 14.3 | C 10.7 | 27.0 | C 21.2 |
| Los Angeles, Calif..... | 576,673 | 125 | 11.3 | A 11.3 | 13.6 | A 14.0 |
| Louisville, Ky..... | 234,891 | 56 | 12.4 | C 13.4 | 7.1 | C 6.7 |
| Lowell, Mass..... | 112,479 | 22 | 10.2 | A 16.6 | 36.4 | A 39.2 |
| Milwaukee, Wis..... | 457,147 | 74 | 8.4 | A 10.6 | 14.9 | A 28.8 |
| Minneapolis, Minn..... | 380,498 | 68 | 9.3 | C 8.6 | 16.2 | C 16.1 |
| Nashville, Tenn..... | 118,342 | 31 | 13.7 | C 11.5 | 29.0 | C 19.2 |
| Newark, N. J..... | 414,216 | 78 | 9.8 | C 8.9 | 33.3 | C 21.4 |
| New Bedford, Mass..... | 121,217 | 40 | 17.2 | A 15.2 | 47.5 | A 44.4 |
| New Haven, Conn..... | 162,390 | 32 | 10.3 | C 10.4 | 25.0 | C 18.8 |
| New Orleans, La..... | 387,219 | 121 | 16.3 | A 18.3 | 8.3 | A 20.0 |
| New York, N. Y..... | 5,621,151 | 1,088 | 10.1 | C 10.0 | 20.2 | C 20.9 |
| Norfolk, Va..... | 115,777 | 47 | 21.2 | | 12.8 | |
| Oakland, Calif..... | 210,361 | 40 | 9.6 | A 10.1 | 7.5 | A 7.3 |
| Omaha, Nebr..... | 191,601 | 25 | 6.8 | C 10.7 | 8.0 | C 12.8 |
| Philadelphia, Pa..... | 1,823,158 | 335 | 9.6 | * 13.6 | 21.5 | * 24.7 |
| Pittsburgh, Pa..... | 588,193 | 140 | 12.4 | C 12.3 | 28.6 | C 19.6 |
| Portland, Oreg..... | 258,288 | 52 | 10.5 | C 10.0 | 7.7 | C 4.1 |
| Providence, R. I..... | 237,595 | 64 | 14.0 | C 11.0 | 21.9 | C 12.0 |
| Richmond, Va..... | 171,667 | 46 | 14.0 | C 13.5 | 30.4 | C 13.6 |
| Rochester, N. Y..... | 295,850 | 60 | 10.6 | C 8.8 | 8.3 | C 10.2 |
| St. Louis, Mo..... | 772,897 | 138 | 9.3 | C 9.9 | 13.0 | C 12.3 |
| St. Paul, Minn..... | 234,595 | 32 | 7.1 | C 7.1 | 15.6 | C 12.5 |
| San Francisco, Calif..... | 508,410 | 106 | 10.9 | C 12.9 | 7.5 | C 3.2 |
| Seattle, Wash..... | 315,652 | 43 | 7.1 | A 9.0 | 11.6 | A 7.9 |
| Spokane, Wash..... | 104,204 | 18 | 9.0 | C 7.5 | 5.6 | C 6.7 |
| Springfield, Mass..... | 129,338 | 30 | 12.1 | | 20.0 | |
| Syracuse, N. Y..... | 171,647 | 34 | 10.3 | C 8.3 | 20.6 | C 37.0 |
| Toledo, Ohio..... | 243,109 | 53 | 11.4 | A 15.0 | 18.9 | A 24.3 |
| Trenton, N. J..... | 119,289 | 34 | 14.9 | A 20.6 | 20.6 | A 22.2 |
| Washington, D. C..... | 437,571 | 76 | 9.1 | A 13.6 | 10.5 | A 15.6 |
| Worcester, Mass..... | 179,754 | 37 | 10.7 | C 8.5 | 24.3 | C 13.8 |
| Yonkers, N. Y..... | 100,226 | 16 | 8.3 | | 25.0 | |

¹ Annual rates per 1,000 population.

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

³ Data are based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended Aug. 28, 1920.

| | |
|--|------------|
| Policies in force..... | 43,238,728 |
| Number of death claims..... | 6,809 |
| Death claims per 1,000 policies in force, annual rate..... | 8.2 |

PREVALENCE OF DISEASE.

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

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended Sept. 4, 1920.

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

| ALABAMA. | | Cases. | FLORIDA. | | Cases. |
|---|-----|--------|--|-----|--------|
| Diphtheria..... | 25 | | Cerebrospinal meningitis..... | 1 | |
| Malaria..... | 27 | | Diphtheria..... | 8 | |
| Scarlet fever..... | 15 | | Dysentery..... | 1 | |
| Smallpox..... | 4 | | Malaria..... | 99 | |
| Tuberculosis (pulmonary)..... | 14 | | Plague (bubonic)..... | 1 | |
| Typhoid fever..... | 45 | | Smallpox..... | 2 | |
| Whooping cough..... | 6 | | Typhoid fever..... | 17 | |
| ARKANSAS. | | | GEORGIA. | | |
| Cerebrospinal meningitis..... | 1 | | Cerebrospinal meningitis..... | 2 | |
| Chicken pox..... | 3 | | Chicken pox..... | 3 | |
| Diphtheria..... | 43 | | Conjunctivitis (acute infectious)..... | 3 | |
| Hookworm..... | 6 | | Diphtheria..... | 29 | |
| Influenza..... | 12 | | Dysentery (bacillary)..... | 8 | |
| Malaria..... | 436 | | Hookworm..... | 2 | |
| Measles..... | 1 | | Influenza..... | 3 | |
| Ophthalmia neonatorum..... | 1 | | Malaria..... | 227 | |
| Pellagra..... | 21 | | Measles..... | 11 | |
| Scarlet fever..... | 12 | | Mumps..... | 2 | |
| Smallpox..... | 3 | | Paratyphoid fever..... | 6 | |
| Trachoma..... | 3 | | Pneumonia..... | 4 | |
| Tuberculosis..... | 18 | | Scarlet fever..... | 18 | |
| Typhoid fever..... | 42 | | Septic sore throat..... | 5 | |
| Whooping cough..... | 21 | | Smallpox..... | 6 | |
| CALIFORNIA. | | | Tetanus..... | 1 | |
| Cerebrospinal meningitis—Tulare County..... | 1 | | Trachoma..... | 1 | |
| Lethargic encephalitis—San Francisco..... | 2 | | Tuberculosis (pulmonary)..... | 17 | |
| Smallpox: | | | Typhoid fever..... | 68 | |
| Lodi..... | 10 | | Whooping cough..... | 16 | |
| Scattering..... | 9 | | | | |
| Typhoid fever..... | 15 | | ILLINOIS. | | |
| DELAWARE. | | | Cerebrospinal meningitis—Rockford..... | 1 | |
| Diphtheria..... | 2 | | Diphtheria: | | |
| Measles..... | 1 | | Chicago..... | 26 | |
| Mumps..... | 1 | | Scattering..... | 18 | |
| Pneumonia..... | 1 | | Influenza..... | 2 | |
| Scarlet fever..... | 1 | | Poliomyelitis—Chicago..... | 6 | |
| Tuberculosis..... | 1 | | Pneumonia: | | |
| Typhoid fever..... | 3 | | Chicago..... | 16 | |
| Whooping cough..... | 1 | | Scattering..... | 2 | |

ILLINOIS—continued.

| Scarlet fever: | Cases. |
|-----------------------|--------|
| Chicago..... | 8 |
| Scattering..... | 50 |
| Smallpox..... | 12 |
| Typhoid fever: | |
| Chicago..... | 2 |
| Fountain Green..... | 17 |
| Hancock County— | |
| Hancock Township..... | 9 |

INDIANA.

| | |
|---|----|
| Cerebrospinal meningitis—Lawrence County... | 1 |
| Measles..... | 9 |
| Poliomyelitis—St. Joseph County..... | 1 |
| Scarlet fever..... | 41 |
| Smallpox..... | 22 |
| Typhoid fever..... | 13 |

IOWA.

| | |
|-------------------------------|----|
| Diphtheria..... | 10 |
| Measles..... | 2 |
| Poliomyelitis—Mason City..... | 1 |
| Scarlet fever..... | 20 |
| Smallpox..... | 17 |
| Tuberculosis (pulmonary)..... | 1 |
| Typhoid fever..... | 1 |
| Whooping cough..... | 3 |

KANSAS.

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 1 |
| Chicken pox..... | 4 |
| Dengue..... | 1 |
| Diphtheria..... | 35 |
| German measles..... | 1 |
| Influenza..... | 2 |
| Measles..... | 9 |
| Mumps..... | 2 |
| Pneumonia..... | 5 |
| Scarlet fever..... | 74 |
| Smallpox..... | 33 |
| Tetanus..... | 1 |
| Trachoma..... | 4 |
| Tuberculosis..... | 20 |
| Typhoid fever..... | 66 |
| Whooping cough..... | 42 |

LOUISIANA.

| | |
|--------------------|-----|
| Diphtheria..... | 18 |
| Malaria..... | 114 |
| Measles..... | 15 |
| Pneumonia..... | 9 |
| Scarlet fever..... | 8 |
| Smallpox..... | 12 |
| Tuberculosis..... | 37 |
| Typhoid fever..... | 27 |

MAINE.

| | |
|------------------------------------|----|
| Diphtheria..... | 9 |
| Dysentery..... | 2 |
| Influenza..... | 1 |
| Measles: | |
| Alexander..... | 10 |
| Scattering..... | 19 |
| Mumps..... | 1 |
| Pneumonia..... | 1 |
| Poliomyelitis—Cranberry Isles..... | 3 |

MAINE—continued.

| Scarlet fever: | Cases. |
|---------------------|--------|
| Westbrook..... | 8 |
| Scattering..... | 1 |
| Tuberculosis..... | 37 |
| Typhoid fever..... | 13 |
| Whooping cough..... | 10 |

MARYLAND.¹

| | |
|-------------------------------|----|
| Cerebrospinal meningitis..... | 2 |
| Chicken pox..... | 1 |
| Diphtheria..... | 25 |
| Dysentery..... | 10 |
| Influenza..... | 1 |
| Lethargic encephalitis..... | 1 |
| Malaria..... | 8 |
| Measles..... | 14 |
| Mumps..... | 1 |
| Ophthalmia neonatorum..... | 4 |
| Pneumonia (all forms)..... | 17 |
| Poliomyelitis..... | 2 |
| Scarlet fever..... | 13 |
| Septic sore throat..... | 4 |
| Tuberculosis..... | 60 |
| Typhoid fever..... | 31 |
| Whooping cough..... | 44 |

MASSACHUSETTS.

| | |
|-----------------------------------|-----|
| Anthrax..... | 1 |
| Cerebrospinal meningitis..... | 1 |
| Chic. en pox..... | 7 |
| Conjunctivitis (suppurative)..... | 8 |
| Diphtheria..... | 76 |
| Dysentery..... | 2 |
| German measles..... | 1 |
| Influenza..... | 8 |
| Malaria..... | 3 |
| Measles..... | 51 |
| Mumps..... | 19 |
| Ophthalmia neonatorum..... | 20 |
| Pneumonia (lobar)..... | 16 |
| Poliomyelitis..... | 53 |
| Scarlet fever..... | 36 |
| Septic sore throat..... | 1 |
| Trachoma..... | 1 |
| Tuberculosis (all forms)..... | 123 |
| Typhoid fever..... | 29 |
| Whooping cough..... | 130 |

MINNESOTA.

| | |
|--------------------|---|
| Poliomyelitis..... | 3 |
|--------------------|---|

MISSISSIPPI.

| | |
|--------------------|----|
| Diphtheria..... | 39 |
| Scarlet fever..... | 10 |
| Smallpox..... | 4 |
| Typhoid fever..... | 43 |

MONTANA.

| | |
|---|----|
| Diphtheria..... | 1 |
| Poliomyelitis—Great Falls..... | 1 |
| Rocky Mountain spotted or tick fever..... | 1 |
| Scarlet fever..... | 1 |
| Smallpox..... | 10 |
| Typhoid fever..... | 5 |

¹ Week ended Friday.

| NEBRASKA. | | Cases. | TEXAS—continued. | | Cases. |
|---|--|--------|---------------------------------|--|--------|
| Diphtheria: | | | Malaria: | | |
| Omaha..... | | 13 | Bell County..... | | 18 |
| Scattering..... | | 1 | Dallas..... | | 17 |
| Measles..... | | 1 | San Antonio..... | | 35 |
| Mumps..... | | 1 | Measles—Dallas..... | | 1 |
| Scarlet fever..... | | 2 | Plague (bubonic)—Galveston..... | | 1 |
| Smallpox..... | | 8 | Scarlet fever..... | | 2 |
| Tuberculosis..... | | 2 | Smallpox: | | |
| Typhoid fever..... | | 1 | Denton..... | | 9 |
| Whooping cough..... | | 9 | Scattering..... | | 11 |
| | | | Tuberculosis..... | | 8 |
| NEW JERSEY. | | | Typhoid fever: | | |
| Influenza..... | | 3 | Burk Burnett..... | | 6 |
| Pneumonia..... | | 18 | Eastland..... | | 8 |
| | | | Whooping cough..... | | 14 |
| NEW MEXICO. | | | | | |
| Chicken pox..... | | 3 | VERMONT. | | |
| Diphtheria..... | | 8 | Chicken pox..... | | 1 |
| Malaria..... | | 3 | Diphtheria..... | | 6 |
| Pneumonia..... | | 1 | Measles..... | | 6 |
| Scarlet fever..... | | 3 | Mumps..... | | 2 |
| Smallpox..... | | 1 | Pneumonia..... | | 1 |
| Tuberculosis..... | | 80 | Scarlet fever..... | | 9 |
| Typhoid fever: | | | Typhoid fever..... | | 10 |
| Bernalillo..... | | 7 | Whooping cough..... | | 8 |
| Scattering..... | | 9 | | | |
| Whooping cough..... | | 11 | WASHINGTON. | | |
| | | | Chicken pox..... | | 6 |
| NEW YORK. | | | Diphtheria..... | | 14 |
| (Exclusive of New York City.) | | | German measles..... | | 2 |
| Cerebrospinal meningitis—Port Jervis..... | | 1 | Measles..... | | 12 |
| Diphtheria..... | | 93 | Mumps..... | | 3 |
| Influenza..... | | 1 | Pneumonia..... | | 1 |
| Lethargic encephalitis..... | | 2 | Scarlet fever..... | | 5 |
| Measles..... | | 84 | Smallpox..... | | 53 |
| Pneumonia..... | | 43 | Tuberculosis..... | | 8 |
| Scarlet fever..... | | 39 | Typhoid fever..... | | 25 |
| Smallpox..... | | 3 | Whooping cough..... | | 28 |
| Tetanus..... | | 1 | | | |
| Typhoid fever..... | | 57 | WEST VIRGINIA. | | |
| Whooping cough..... | | 183 | Diphtheria..... | | 2 |
| | | | Measles..... | | 2 |
| NORTH CAROLINA. | | | Scarlet fever..... | | 3 |
| Cerebrospinal meningitis..... | | 3 | Smallpox..... | | 3 |
| Chicken pox..... | | 11 | Typhoid fever..... | | 13 |
| Diphtheria..... | | 99 | | | |
| Measles..... | | 20 | WISCONSIN. | | |
| Ophthalmia neonatorum..... | | 1 | Milwaukee: | | |
| Poliomyelitis..... | | 1 | Diphtheria..... | | 19 |
| Scarlet fever..... | | 20 | Measles..... | | 3 |
| Septic sore throat..... | | 6 | Poliomyelitis..... | | 1 |
| Smallpox..... | | 11 | Scarlet fever..... | | 11 |
| Typhoid fever..... | | 126 | Smallpox..... | | 6 |
| Whooping cough..... | | 148 | Tuberculosis..... | | 12 |
| | | | Typhoid fever..... | | 2 |
| SOUTH DAKOTA. | | | Whooping cough..... | | 16 |
| Diphtheria..... | | 9 | Scattering: | | |
| Pneumonia..... | | 1 | Cerebrospinal meningitis..... | | 1 |
| Poliomyelitis..... | | 1 | Chicken pox..... | | 7 |
| Scarlet fever..... | | 3 | Diphtheria..... | | 31 |
| Smallpox..... | | 9 | Influenza..... | | 1 |
| Tuberculosis..... | | 1 | Measles..... | | 32 |
| Typhoid fever..... | | 2 | Poliomyelitis..... | | 1 |
| Whooping cough..... | | 9 | Scarlet fever..... | | 37 |
| | | | Smallpox..... | | 32 |
| TEXAS. | | | Tuberculosis..... | | 8 |
| Diphtheria: | | | Typhoid fever..... | | 3 |
| Dallas..... | | 11 | Whooping cough..... | | 73 |
| Maria..... | | 8 | | | |

Kentucky Report for Week Ended August 28, 1920.

| | Cases. | | Cases. |
|-----------------------|--------|-------------------------|--------|
| Bronchitis..... | 1 | Pneumonia..... | 8 |
| Chicken pox..... | 5 | Scarlet fever..... | 20 |
| Diphtheria: | | Septic sore throat..... | 5 |
| Jefferson County..... | 7 | Smallpox..... | 10 |
| McLean County..... | 12 | Tonsillitis..... | 1 |
| Scattering..... | 36 | Trachoma..... | 57 |
| Dysentery..... | 22 | Tuberculosis..... | 39 |
| Influenza..... | 14 | Typhoid fever: | |
| Ma'aria..... | 3 | Christian County..... | 14 |
| Measles..... | 36 | Jefferson County..... | 12 |
| Meningitis..... | 1 | Scattering..... | 69 |
| Mumps..... | 1 | Whooping cough..... | 19 |
| Pellagra..... | 5 | | |

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

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

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

| State. | Cerebrospinal meningitis. | Diphtheria. | Influenza. | Malaria. | Measles. | Pellagra. | Poliomyelitis. | Scarlet fever. | Smallpox. | Typhoid fever. |
|------------------|---------------------------|-------------|------------|----------|----------|-----------|----------------|----------------|-----------|----------------|
| JULY, 1920. | | | | | | | | | | |
| Arkansas..... | 4 | 18 | 17 | 1,009 | 71 | 79 | — | 33 | 31 | 122 |
| Connecticut..... | 9 | 148 | 1 | 5 | 224 | — | 2 | 125 | — | 19 |
| Hawaii..... | — | 14 | 2 | — | 65 | — | — | 1 | 1 | 34 |
| Idaho..... | — | 5 | 1 | — | 43 | — | — | 19 | 66 | 7 |
| Montana..... | 1 | 22 | — | — | 147 | — | — | 30 | 37 | 25 |
| Virginia..... | 10 | 67 | — | 923 | 481 | 27 | 2 | 73 | 152 | 221 |

ANTHRAX.

New Britain, Conn., and Chicago, Ill.

During the week ended August 31, 1920, one case of anthrax, with one death, was reported in New Britain, Conn., and one case in Chicago, Ill.

CEREBROSPINAL MENINGITIS.

State Reports for July, 1920.

| Place. | New cases reported. | Place. | New cases reported. |
|-------------------------|---------------------|-----------------------|---------------------|
| Arkansas: | | Montana: | |
| Clebune County..... | 1 | Deer Lodge County— | |
| Mississippi County..... | 1 | Anaconda..... | 1 |
| Pulaski County..... | 1 | | |
| Saline County..... | 1 | Virginia: | |
| Total..... | 4 | Augusta County..... | 1 |
| Connecticut: | | Botetourt County..... | 1 |
| Fairfield County— | | Culpeper County..... | 1 |
| Bridgeport..... | 2 | Lunenburg County..... | 3 |
| Hartford County— | | Keysville..... | 1 |
| Hartford..... | 1 | Nansemond County..... | 1 |
| New Britain..... | 2 | Russell County..... | 2 |
| Southington..... | 1 | Total..... | 10 |
| New Haven County— | | | |
| Branford..... | 1 | | |
| New Haven..... | 2 | | |
| Total..... | 9 | | |

CEREBROSPINAL MENINGITIS—Continued.**City Reports for Week Ended Aug. 21, 1920.**

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

| Place. | Average cases. | 1920 | | Place. | Average cases. | 1920 | |
|--------------------|----------------|--------|---------|-------------------|----------------|--------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| Alabama: | | | | Montana: | | | |
| Montgomery..... | 0 | 1 | ..... | Billings..... | 0 | 1 | 1 |
| California: | | | | New Jersey: | | | |
| Los Angeles..... | (1) | 2 | 1 | Passaic..... | 0 | ..... | 1 |
| San Francisco..... | (1) | 1 | ..... | Trenton..... | 0 | 1 | ..... |
| Connecticut: | | | | New York: | | | |
| Bridgeport..... | (1) | 1 | ..... | Cohoes..... | (1) | 1 | 1 |
| New Haven..... | 0 | 2 | 1 | New York..... | 8 | 5 | 3 |
| Maryland: | | | | North Carolina: | | | |
| Baltimore..... | 2 | 2 | 1 | Winston-Salem.... | 0 | 1 | 1 |
| Massachusetts: | | | | Ohio: | | | |
| Boston..... | (1) | ..... | 1 | Akron..... | (1) | 1 | ..... |
| Framingham..... | (1) | 1 | 1 | Tennessee: | | | |
| Michigan: | | | | Memphis..... | 0 | 1 | ..... |
| Detroit..... | (1) | 2 | ..... |  |  |  |  |
| Grand Rapids..... | 0 | 1 | 1 | | | | |

¹ Average less than 1.

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 2167; Monthly summaries by States, p. 2170; and Weekly reports from cities, p. 2183.

INFLUENZA.**Arkansas Report for July, 1920.**

| Place. | New cases reported. | Place. | New cases reported. |
|-----------------------|---------------------|-------------------|---------------------|
| Arkansas County..... | 1 | Union County..... | 1 |
| Ashley County..... | 4 | White County..... | 1 |
| Faulkner County..... | 1 | | |
| Garland County..... | 1 | Total..... | 17 |
| Sebastian County..... | 8 | | |

City Reports for Week Ended Aug. 21, 1920.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|-----------------|--------|---------|-------------------|--------|---------|
| Georgia: | | | New York: | | |
| Atlanta..... | 1 | ..... | New York..... | 1 | 3 |
| Illinois: | | | Ohio: | | |
| Chicago..... | 11 | ..... | Cleveland..... | 1 | ..... |
| Maryland: | | | Pennsylvania: | | |
| Baltimore..... | 2 | 1 | Philadelphia..... | 1 | 1 |
| Cumberland..... | 2 | ..... | Texas: | | |
| Massachusetts: | | | Dallas..... | 3 | ..... |
| Cambridge..... | 1 | 1 | | | |
| New Jersey: | | | | | |
| Trenton..... | 2 | ..... |  |  |  |

LEPROSY.**Connecticut and California.**

During July, 1920, one case of leprosy was reported in Connecticut. During the week ended August 21, 1920, one case was reported in Los Angeles, Calif.

LETHARGIC ENCEPHALITIS.

Idaho, New York, and New Jersey.

During July, 1920, one case of lethargic encephalitis was reported in Idaho.

During the week ended August 21, 1920, one case of lethargic encephalitis was reported in Jersey City, N. J., and one in Ithaca, N. Y.

MALARIA.

State Reports for July, 1920.

| Place. | New cases reported. | Place. | New cases reported. |
|-------------------------|---------------------|----------------------------|---------------------|
| Arkansas: | | Virginia—Continued. | |
| Arkansas County..... | 7 | Bedford County..... | 1 |
| Ashley County..... | 100 | Brunswick County..... | 17 |
| Benton County..... | 3 | Campbell County..... | 3 |
| Bradley County..... | 54 | Caroline County..... | 20 |
| Calhoun County..... | 19 | Charles City County..... | 4 |
| Cleburne County..... | 2 | Charlotte County..... | 23 |
| Conway County..... | 6 | Chesterfield County..... | 1 |
| Craighead County..... | 1 | Cumberland County..... | 4 |
| Crittenden County..... | 4 | Dinwiddie County..... | 11 |
| Drew County..... | 42 | Elizabeth City County..... | 5 |
| Faulkner County..... | 31 | Phoebe..... | 1 |
| Franklin County..... | 21 | Fairfax County..... | 1 |
| Greene County..... | 15 | Fauquier County..... | 1 |
| Hempstead County..... | 23 | Gloucester County..... | 8 |
| Hot Spring County..... | 21 | Goochland County..... | 9 |
| Howard County..... | 8 | Greene County..... | 4 |
| Izard County..... | 10 | Greensville County..... | 33 |
| Jackson County..... | 12 | Emporia..... | 6 |
| Jefferson County..... | 16 | Halifax County..... | 18 |
| Lafayette County..... | 19 | South Boston..... | 4 |
| Lawrence County..... | 13 | Hanover County..... | 35 |
| Lee County..... | 25 | Henrico County..... | 31 |
| Lincoln County..... | 5 | Richmond..... | 1 |
| Logan County..... | 19 | Henry County..... | 3 |
| Miller County..... | 6 | Isle of Wight County..... | 20 |
| Mississippi County..... | 22 | James City County..... | 34 |
| Monroe County..... | 21 | King and Queen County..... | 15 |
| Ouachita County..... | 73 | King George County..... | 3 |
| Perry County..... | 8 | King William County..... | 3 |
| Pike County..... | 3 | West Point..... | 1 |
| Pope County..... | 1 | Lancaster County..... | 2 |
| Prairie County..... | 6 | Lee County..... | 2 |
| Pulaski County..... | 23 | Loudoun County..... | 5 |
| Saline County..... | 21 | Louisa County..... | 7 |
| Scott County..... | 5 | Louisa..... | 1 |
| Sebastian County..... | 13 | Lunenburg County— | |
| St. Francis County..... | 35 | Kenbridge..... | 1 |
| Union County..... | 264 | Mecklenburg County..... | 26 |
| Van Buren County..... | 4 | Middlesex County..... | 6 |
| White County..... | 16 | Urbanna..... | 3 |
| Woodruff County..... | 12 | Nansemond County..... | 22 |
| Total..... | 1,009 | Suffolk..... | 27 |
| Connecticut: | | Northampton County..... | 70 |
| Fairfield County— | | Cape Charles..... | 27 |
| Bridgeport..... | 1 | Northumberland County..... | 41 |
| Greenwich..... | 1 | Nottoway County..... | 2 |
| Hartford County— | | Orange County..... | 2 |
| Hartford..... | 1 | Pittsylvania County..... | 10 |
| Wethersfield..... | 2 | Powhatan County..... | 13 |
| Total..... | 5 | Princess Anne County..... | 61 |
| Virginia: | | Prince Edward County..... | 4 |
| Accomac County..... | 12 | Farmville..... | 4 |
| Chincoteague..... | 26 | Prince George County..... | 2 |
| New Church..... | 7 | Prince William County..... | 3 |
| Parkley..... | 3 | Pulaski County..... | 1 |
| Alexandria County— | | Richmond County..... | 2 |
| Alexandria..... | 1 | Rockbridge County..... | 2 |
| Amelia County..... | 2 | Glasgow..... | 1 |
| Amelia..... | 4 | Russell County..... | 5 |
| Augusta County— | | Southampton County..... | 33 |
| Waynesboro..... | 1 | Courtland..... | 5 |
| | | Drewryville..... | 2 |
| | | Franklin..... | 10 |
| | | Newsoms..... | 6 |
| | | Seabell..... | 7 |

MALARIA—Continued.
State Reports for July, 1920—Continued.

| Place. | New cases reported. | Place. | New cases reported. |
|----------------------------|---------------------|----------------------------|---------------------|
| Virginia—Continued. | | Virginia—Continued. | |
| Spotsylvania County..... | 2 | Westmoreland County..... | 1 |
| Stafford County..... | 1 | Wise County— | |
| Falmouth..... | 6 | Norton..... | 1 |
| Surry County..... | 22 | Osaka..... | 2 |
| Sussex County..... | 20 | Stonega..... | 1 |
| Wakefield..... | 4 | York County..... | 46 |
| Waverly..... | 25 | | |
| Washington County— | | Total..... | 923 |
| Damascus..... | 1 | | |

City Reports for Week Ended Aug. 21, 1920.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|------------------------|--------|---------|-------------------|--------|---------|
| Alabama: | | | Louisiana: | | |
| Birmingham..... | | 1 | Alexandria..... | 22 | |
| Mobile..... | | 1 | New Orleans..... | 1 | |
| Montgomery..... | 1 | | New Jersey: | | |
| Arkansas: | | | Paterson..... | 1 | |
| North Little Rock..... | 1 | | Pennsylvania: | | |
| California: | | | Philadelphia..... | | 1 |
| Sacramento..... | 4 | | Tennessee: | | |
| Connecticut: | | | Memphis..... | 5 | |
| Norwalk..... | 1 | | Texas: | | |
| Georgia: | | | Dallas..... | 23 | 2 |
| Atlanta..... | 1 | 1 | | | |
| Brunswick..... | 6 | | | | |
| Rome..... | 4 | | | | |

MEASLES.

See Telegraphic weekly reports from States, p. 2167; Monthly summaries by States, p. 2170; and Weekly reports from cities, p. 2183.

PELLAGRA.

Arkansas and Virginia Reports for July, 1920.

| Place. | New cases reported. | Place. | New cases reported. |
|-------------------------|---------------------|----------------------------|---------------------|
| Arkansas: | | Virginia: | |
| Ashley County..... | 5 | Amherst County..... | 1 |
| Benton County..... | 1 | Bedford County..... | 1 |
| Bradley County..... | 2 | Botetourt County..... | 1 |
| Calhoun County..... | 1 | Brunswick County..... | 2 |
| Columbia County..... | 1 | Caroline County..... | 1 |
| Craighead County..... | 1 | Dinwiddie County..... | 1 |
| Drew County..... | 4 | Elizabeth City County..... | 1 |
| Faulkner County..... | 2 | Fairfax County..... | 1 |
| Garland..... | 1 | Fauquier County..... | 1 |
| Hempstead County..... | 6 | Henrico County..... | 1 |
| Hot Spring County..... | 2 | Henry County— | 3 |
| Howard County..... | 3 | Martinsville..... | 2 |
| Jackson County..... | 1 | James City County..... | 1 |
| Jefferson County..... | 1 | Williamsburgh..... | 1 |
| Lee County..... | 7 | Louisa County..... | 1 |
| Lincoln County..... | 1 | Patrick County..... | 1 |
| Logan County..... | 2 | Prince Edward County..... | 1 |
| Mississippi County..... | 1 | Russell County..... | 1 |
| Monroe County..... | 2 | Scott County..... | 1 |
| Ouachita County..... | 5 | Smyth County..... | 1 |
| Perry County..... | 2 | Washington County..... | 1 |
| Pulaski County..... | 3 | York County..... | 3 |
| Saline County..... | 1 | | |
| Sebastian County..... | 9 | Total..... | 27 |
| St. Francis County..... | 4 | | |
| Union County..... | 10 | | |
| White County..... | 1 | | |
| Total..... | 79 | | |

PELLAGRA—Continued.

City Reports for Week Ended Aug. 21, 1920.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|------------------|--------|---------|-------------------|--------|---------|
| Alabama: | | | Pennsylvania: | | |
| Birmingham..... | | 3 | Philadelphia..... | 1 | |
| Mobile..... | | 1 | South Carolina: | | |
| California: | | | Charleston..... | | 2 |
| Los Angeles..... | | 1 | Tennessee: | | |
| Georgia: | | | Nashville..... | | 1 |
| Atlanta..... | | 1 | Texas: | | |
| Louisiana: | | | Dallas..... | 1 | |
| New Orleans..... | 2 | 1 | Virginia: | | |
| North Carolina: | | | Lynchburg..... | | 1 |
| Raleigh..... | | 1 | Petersburg..... | | 1 |

PLAGUE.

Human Cases of Plague Reported.

| Place. | Period covered. | Cases. | Deaths. | Remarks. |
|-------------------|-------------------------------|--------|---------|------------------------------|
| California: | | | | |
| Alameda County... | Apr. 19, 1920..... | 1 | 1 | Diagnosis confirmed Apr. 26. |
| Florida: | | | | |
| Pensacola..... | June 2 to Aug. 30, 1920..... | 9 | 4 | |
| | Aug. 31 to Sept. 7, 1920..... | 1 | | |
| Hawaii: | | | | |
| Kalopa..... | Mar. 22, 1920..... | 1 | 0 | |
| Louisiana: | | | | |
| New Orleans..... | Oct. 29 to Dec. 31, 1919..... | 12 | 4 | |
| | Jan. 1 to Aug. 30, 1920..... | 7 | 3 | |
| | Aug. 31 to Sept. 7, 1920..... | 0 | 0 | |
| Texas: | | | | |
| Beaumont..... | June 26 to Aug. 30, 1920..... | 14 | 5 | |
| | Aug. 31 to Sept. 7, 1920..... | 0 | 0 | |
| Galveston..... | June 16 to Aug. 30, 1920..... | 9 | 6 | |
| | Aug. 31 to Sept. 7, 1920..... | 2 | 1 | |
| Port Arthur..... | July 7, 1920..... | 1 | 1 | From Galveston. |

Plague-Infected Rodents.

| Place. | Period covered. | Rodents found plague infected. |
|--|-------------------------|--------------------------------|
| California: | | |
| Ground squirrels (<i>Citellus beecheyi</i>)— | 1920. | |
| Alameda County..... | Apr. 11 to Aug. 21..... | 28 |
| Contra Costa County..... | Apr. 18 to Aug. 21..... | 46 |
| Merced County..... | May 23 to Aug. 21..... | 1 |
| Monterey County..... | June 13 to Aug. 21..... | 3 |
| San Benito County..... | May 16 to Aug. 21..... | 16 |
| San Mateo County..... | do..... | 3 |
| San Joaquin County..... | Apr. 18 to Aug. 21..... | 4 |
| Santa Clara County..... | Apr. 11 to Aug. 21..... | 12 |
| Santa Cruz County..... | May 9 to Aug. 21..... | 25 |
| Santa Cruz..... | May 16 to Aug. 21..... | 1 |
| Stanislaus County..... | May 30 to Aug. 21..... | 2 |
| Florida: | | |
| Pensacola..... | June 28 to Aug. 30..... | 29 |
| | Aug. 31 to Sept. 7..... | 2 |
| Louisiana: | | |
| New Orleans..... | 1919. | |
| | Nov. 1 to Dec. 31..... | 276 |
| | 1920. | |
| | Jan. 1 to Aug. 28..... | 285 |
| | Aug. 29 to Sept. 4..... | 0 |
| Texas: | | |
| Beaumont..... | July 1 to Aug. 30..... | 119 |
| | Aug. 31 to Sept. 7..... | 2 |
| Galveston..... | June 21 to Aug. 30..... | 53 |
| | Aug. 31 to Sept. 7..... | 0 |

PLAGUE—Continued.
Rodents Examined for Plague Infection.

| Place. | Period covered. | Rodents examined. | Found infected. |
|-----------------------|---------------------|-------------------|-----------------|
| Florida: | | | |
| Pensacola..... | June 17 to Aug. 28 | 10,203 | 29 |
| Hawaii: | | | |
| Honolulu..... | Week ended Aug. 14. | 365 | 0 |
| Louisiana: | | | |
| New Orleans— | | | |
| Mus norvegicus..... | Week ended Aug. 21. | 3,315 | 0 |
| Mus rattus..... | do..... | 192 | 0 |
| Mus alexandrinus..... | do..... | 480 | 0 |
| Wood rats..... | do..... | 5 | 0 |
| Miscellaneous..... | do..... | 2 | 0 |
| Putrid..... | do..... | 234 | 0 |
| Texas: | | | |
| Beaumont— | | | |
| Mus norvegicus..... | Week ended Aug. 21. | 593 | 4 |
| Mus rattus..... | do..... | 75 | 0 |
| Mus alexandrinus..... | do..... | 510 | 0 |
| Mus musculus..... | do..... | 826 | 0 |
| Wood rats..... | do..... | 682 | 0 |
| Putrid..... | do..... | 107 | 0 |
| Mus norvegicus..... | Week ended Aug. 28. | 458 | 1 |
| Mus rattus..... | do..... | 62 | 0 |
| Mus alexandrinus..... | do..... | 438 | 0 |
| Mus musculus..... | do..... | 659 | 0 |
| Wood rats..... | do..... | 629 | 0 |
| Putrid..... | do..... | 142 | 0 |
| Galveston— | | | |
| Mus norvegicus..... | June 19 to Aug. 20. | 13,076 | 51 |
| Mus rattus..... | do..... | 312 | 1 |
| Mus alexandrinus..... | do..... | 447 | 0 |
| Wood rats..... | do..... | 5,604 | 0 |
| Putrid..... | do..... | 811 | 0 |
| Unclassified..... | do..... | 910 | 0 |
| Mus norvegicus..... | Aug. 21 to 26..... | 941 | 0 |
| Mus rattus..... | do..... | 200 | 0 |
| Mus alexandrinus..... | do..... | 245 | 0 |
| Wood rats..... | do..... | 7 | 0 |
| Putrid..... | do..... | 45 | 0 |
| Unclassified..... | do..... | 1 | 0 |

PNEUMONIA (ALL FORMS).

City Reports for Week Ended Aug. 21, 1920.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|---------------------|--------|---------|----------------------------|--------|---------|
| Alabama: | | | Illinois—Continued. | | |
| Birmingham..... | | 1 | Kankakee..... | | 1 |
| Montgomery..... | | 1 | La Salle..... | | 1 |
| California: | | | Indiana: | | |
| Eureka..... | | 1 | Fort Wayne..... | | 1 |
| Long Beach..... | | 1 | Indianapolis..... | | 4 |
| Los Angeles..... | 9 | 6 | La Fayette..... | | 1 |
| Oakland..... | | 2 | Kansas: | | |
| Sacramento..... | | 1 | Kansas City..... | 2 | |
| San Diego..... | 3 | 3 | Kentucky: | | |
| San Francisco..... | 6 | 4 | Louisville..... | | 3 |
| Colorado: | | | Louisiana: | | |
| Denver..... | | 5 | New Orleans..... | | 3 |
| Connecticut: | | | Biddeford..... | | 1 |
| Bridgeport..... | | 3 | Maryland: | | |
| Bristol..... | 1 | 1 | Baltimore..... | 8 | 3 |
| Hartford..... | | 1 | Cumberland..... | 2 | |
| New Britain..... | 1 | | Massachusetts: | | |
| New Haven..... | | 1 | Beverly..... | | 1 |
| Georgia: | | | Boston..... | 2 | 8 |
| Atlanta..... | | 4 | Brockton..... | | 1 |
| Illinois: | | | Cambridge..... | | 1 |
| Chicago..... | 51 | 13 | Chelsea..... | 1 | |
| Danville..... | | 1 | Fall River..... | 1 | |
| Freeport..... | | 1 | Gardner..... | 1 | |

PNEUMONIA (ALL FORMS)—Continued.

City Reports for Week Ended Aug. 21, 1920—Continued.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|--------------------------|--------|---------|-----------------------|--------|---------|
| Massachusetts—Continued. | | | New York—Continued. | | |
| Holyoke..... | | 1 | Jamestown..... | 3 | 2 |
| Lawrence..... | | 1 | Lackawanna..... | 1 | 1 |
| Newton..... | 1 | | Mount Vernon..... | 3 | 1 |
| Somerville..... | | 1 | New York..... | 59 | 64 |
| Taunton..... | 2 | | Rochester..... | 1 | 4 |
| Westfield..... | 1 | 1 | Saratoga Springs..... | 1 | |
| Winthrop..... | 2 | | Schenectady..... | 1 | |
| Worcester..... | | 2 | Syracuse..... | 5 | 3 |
| Michigan: | | | Troy..... | | 1 |
| Detroit..... | 16 | 7 | North Carolina: | | |
| Flint..... | 2 | | Charlotte..... | | 2 |
| Grand Rapids..... | 1 | | Raleigh..... | | 1 |
| Kalamazoo..... | 2 | 1 | Ohio: | | |
| Minnesota: | | | Akron..... | 1 | |
| Duluth..... | | 1 | Ashtabula..... | 1 | |
| Minneapolis..... | | 3 | Barberton..... | 1 | |
| St. Paul..... | | 5 | Chillicothe..... | | 1 |
| Missouri: | | | Cleveland..... | 7 | 10 |
| Cape Girardeau..... | 1 | 1 | Columbus..... | | 3 |
| Kansas City..... | | 5 | Dayton..... | 1 | |
| St. Joseph..... | | 1 | Piqua..... | 1 | |
| Montana: | | | Springfield..... | 1 | 1 |
| Billings..... | 2 | | Toledo..... | | 2 |
| Nebraska: | | | Zanesville..... | 1 | 1 |
| Omaha..... | | 2 | Oklahoma: | | |
| New Jersey: | | | Oklahoma City..... | | 2 |
| Asbury Park..... | 1 | | Oregon: | | |
| Atlantic City..... | 2 | | Portland..... | | 2 |
| Elizabeth..... | | 1 | Pennsylvania: | | |
| Englewood..... | 1 | | Philadelphia..... | 23 | 15 |
| Kearny..... | 1 | | Rhode Island: | | |
| Montclair..... | | 1 | Providence..... | 1 | 1 |
| Newark..... | 3 | 2 | Tennessee: | | |
| Passaic..... | 2 | | Memphis..... | | 3 |
| Paterson..... | 1 | | Nashville..... | | 5 |
| Perth Amboy..... | | 1 | Texas: | | |
| West New York..... | | 1 | El Paso..... | | 4 |
| New York: | | | Virginia: | | |
| Albany..... | 3 | | Richmond..... | 1 | 2 |
| Auburn..... | 2 | | West Virginia: | | |
| Binghamton..... | 2 | 2 | Huntington..... | | 2 |
| Buffalo..... | 2 | 6 | Wheeling..... | | 1 |

POLIOMYELITIS (INFANTILE PARALYSIS).

State Reports for July, 1920.

| Place. | New cases reported. | Place. | New cases reported. |
|-------------------|---------------------|------------------------|---------------------|
| Connecticut: | | Virginia: | |
| Hartford County— | | Bedford County..... | 1 |
| Hartford..... | 1 | Grayson County..... | 1 |
| New Haven County— | | Hallfax County..... | 2 |
| Waterbury..... | 1 | Norfolk County— | |
| Total..... | 2 | Norfolk..... | 1 |
| Montana: | | Scott County..... | 1 |
| Cascade County— | | Shenandoah County..... | 1 |
| Great Falls..... | 1 | Total..... | 7 |
| Pondera County— | | | |
| Conrad..... | 1 | | |
| Total..... | 2 | | |

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.**City Reports for Week Ended Aug. 21, 1920.**

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

| Place. | Average cases. | 1920 | | Place. | Average cases. | 1920 | |
|-----------------------|----------------|--------|---------|-------------------|----------------|--------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| Illinois: | | | | Minnesota: | | | |
| Chicago..... | 25 | 5 | 2 | Minneapolis..... | 3 | 1 | 1 |
| Indiana: | | | | Missouri: | | | |
| East Chicago..... | 0 | | 1 | St. Louis..... | (1) | 1 | |
| Maryland: | | | | New Hampshire: | | | |
| Baltimore..... | 2 | 1 | | Concord..... | 0 | 1 | |
| Massachusetts: | | | | Dover..... | 0 | 1 | |
| Amesbury..... | | 1 | | New York: | | | |
| Boston..... | 1 | 13 | 3 | New York..... | 24 | 3 | |
| Cambridge..... | (1) | 1 | | Rhode Island: | | | |
| Quincy..... | 0 | 2 | | Cranston..... | | 1 | |
| Michigan: | | | | | | | |
| Flint..... | (1) | 1 | | | | | |

¹ Average less than 1.

² Excluding 1916, an epidemic year.

RABIES IN ANIMALS.**Cincinnati, Ohio—Week Ended Aug. 21, 1920.**

During the week ended August 21, 1920, one case of rabies in animals was reported in Cincinnati, Ohio.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 2167; Monthly summaries by States, p. 2170; and Weekly reports from cities, p. 2183.

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.**Montana Report for July, 1920.**

| Place. | New cases reported. | Place. | New cases reported. |
|----------------------------|---------------------|------------------------|---------------------|
| Musselshell County— | | Ravalli County— | |
| Gage..... | 1 | Victor..... | 1 |
| Roundup..... | 1 | Total..... | 3 |

SMALLPOX.**Montana Report for July, 1920—Vaccination History.**

| Place. | New cases reported. | Deaths. | Vaccination history of cases. | | | |
|---------------------------|---------------------|---------|---|---|--------------------------------|------------------------------------|
| | | | Vaccinated within 7 years preceding attack. | Last vaccinated more than 7 years preceding attack. | Never successfully vaccinated. | History not obtained or uncertain. |
| Beaverhead County— | | | | | | |
| Rife..... | 1 | | | | 1 | |
| Cascade County— | | | | | | |
| Great Falls..... | 1 | | | | 1 | |
| Custer County— | | | | | | |
| Miles City..... | 1 | | | | 1 | |
| Dawson County— | | | | | | |
| Glendive (I. R. D.)..... | 5 | | 1 | 1 | 3 | |
| Deer Lodge County— | | | | | | |
| Anaconda..... | 1 | | | | 1 | |

SMALLPOX—Continued.

Montana Report for July, 1920—Vaccination History—Continued.

| Place. | New cases reported. | Deaths. | Vaccination history of cases. | | | |
|-------------------------|---------------------|---------|---|---|--------------------------------|------------------------------------|
| | | | Vaccinated within 7 years preceding attack. | Last vaccinated more than 7 years preceding attack. | Never successfully vaccinated. | History not obtained or uncertain. |
| Fergus County— | | | | | | |
| Lewistown..... | 1 | | | 1 | | |
| Stanford..... | 1 | | | | 1 | |
| Flathead County— | | | | | | |
| Whitefish..... | 1 | | | | 1 | |
| Hill County— | | | | | | |
| Havre..... | 2 | | | | 2 | |
| Jefferson County— | | | | | | |
| Homestead..... | 1 | | | | 1 | |
| Lewis and Clark County— | | | | | | |
| Helena..... | 1 | | | | 1 | |
| Liberty County— | | | | | | |
| Joplin (R. D.)..... | 8 | | | | 8 | |
| Missoula County— | | | | | | |
| Missoula..... | 2 | | | | 2 | |
| Musselshell County— | | | | | | |
| Ryegate..... | 6 | | | 1 | 5 | |
| Yellowstone County— | | | | | | |
| Billings..... | 2 | | | | 2 | |
| Laurel (R. D.)..... | 3 | | | | 3 | |
| Total..... | 37 | | 1 | 3 | 33 | |

State Reports for July, 1920.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|------------------------|--------|---------|---------------------------|--------|---------|
| Arkansas: | | | Virginia: | | |
| Conway County..... | 1 | | Augusta County..... | 2 | |
| Faulkner County..... | 1 | | Bedford County..... | 3 | |
| Garland County..... | 1 | | Botetourt County..... | 1 | |
| Hot Spring County..... | 1 | | Carroll County..... | 2 | |
| Lee County..... | 2 | | Gloucester County..... | 1 | |
| Miller County..... | 3 | | Lee County..... | 13 | |
| Ouachita County..... | 3 | | Keokoe..... | 6 | |
| Pike County..... | 1 | | Pennington Gap..... | 3 | |
| Pulaski County..... | 3 | | Lunenburg County..... | 2 | |
| Sebastian County..... | 13 | | Montgomery County..... | 5 | |
| Washington County..... | 2 | | East Radford..... | 1 | |
| Total..... | 31 | | Irona..... | 1 | |
| | | | Radford..... | 2 | |
| Idaho: | | | Nansemond County..... | 2 | |
| Ada County..... | 4 | | Norfolk County— | | |
| Boise..... | 8 | | Norfolk..... | 4 | |
| Meridian..... | 2 | | Princess Anne County..... | 2 | |
| Bannock County— | | | Pulaski County..... | 1 | |
| Pocatello..... | 3 | | Pulaski..... | 1 | |
| Boundary County..... | 2 | | Rockingham County..... | 4 | |
| Canyon County— | | | Harrisonburg..... | 1 | |
| Caldwell..... | 1 | | Scott County..... | 2 | |
| Clark County— | | | Shenandoah County..... | 2 | |
| Dubois..... | 2 | | Smyth County..... | 2 | |
| Caribou County..... | 1 | | Saltville..... | 6 | |
| Elmore County..... | 1 | | Sussex County..... | 1 | |
| Mountain Home..... | 1 | | Tazewell County..... | 7 | |
| Franklin County— | | | Graham..... | 1 | |
| Preston..... | 1 | | Warwick County— | | |
| Latah County— | | | Newport News..... | 1 | |
| Moscow..... | 7 | | Wise County..... | 39 | |
| Gemme..... | 1 | | Appalachia..... | 1 | |
| Lewis County— | | | Inman..... | 2 | |
| Nes Perce..... | 3 | | Norton..... | 22 | |
| Reubens..... | 1 | | Roda..... | 5 | |
| Teton County— | | | Stonega..... | 1 | |
| Driggs..... | 1 | | Wise..... | 3 | |
| Washington County..... | 3 | | Total..... | 152 | |
| Weiser..... | 1 | | | | |
| Total..... | 66 | | | | |

SMALLPOX—Continued.

City Reports for Week Ended Aug. 21, 1920.

The column headed "Average cases" gives the average number of cases reported during the corresponding week of the years 1915 to 1919, inclusive. In instances in which the information is not available for the full 5 years, the average includes from 1 to 4 years.

| Place. | Average cases. | 1920 | | Place. | Average cases. | 1920 | |
|---------------------|------------------|--------|---------|--------------------|------------------|--------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| Alabama: | | | | Nevada: | | | |
| Birmingham..... | 0 | 2 | ..... | Reno..... | 0 | 1 | ..... |
| Mobile..... | 0 | 1 | ..... | New York: | | | |
| California: | | | | New York..... | 0 | 1 | ..... |
| Long Beach..... | 0 | 4 | ..... | North Carolina: | | | |
| Los Angeles..... | 0 | 4 | ..... | Charlotte..... | 0 | 1 | ..... |
| Oakland..... | (¹) | 6 | ..... | North Dakota: | | | |
| Sacramento..... | 0 | 4 | ..... | Fargo..... | 0 | 1 | ..... |
| Santa Cruz..... | 0 | 1 | ..... | Ohio: | | | |
| Colorado: | | | | Akron..... | 3 | 4 | ..... |
| Colorado Springs... | 1 | 2 | ..... | Canton..... | (¹) | 5 | ..... |
| Denver..... | 5 | 7 | ..... | Columbus..... | 0 | 1 | ..... |
| Georgia: | | | | Lima..... | 0 | 8 | ..... |
| Atlanta..... | (¹) | 3 | ..... | Marion..... | 0 | 2 | ..... |
| Idaho: | | | | Springfield..... | 0 | 4 | ..... |
| Boise..... | 0 | 1 | ..... | Oklahoma: | | | |
| Illinois: | | | | Oklahoma City... | 1 | 2 | ..... |
| Chicago..... | (¹) | 3 | ..... | Oregon: | | | |
| East St. Louis..... | 0 | 3 | ..... | Portland..... | 6 | 3 | ..... |
| Galesburg..... | (¹) | 1 | ..... | South Carolina: | | | |
| Oak Park..... | 0 | 1 | ..... | Charleston..... | 0 | 3 | ..... |
| Quincy..... | 0 | 1 | ..... | South Dakota: | | | |
| Rock Island..... | (¹) | 1 | ..... | Sioux Falls..... | 0 | 1 | ..... |
| Indiana: | | | | Tennessee: | | | |
| Indianapolis..... | 1 | 2 | ..... | Knoxville..... | 0 | 1 | ..... |
| Logansport..... | 5 | 3 | ..... | Nashville..... | 0 | 1 | ..... |
| Mishawaka..... | 0 | 4 | ..... | Texas: | | | |
| South Bend..... | 0 | 6 | ..... | Dallas..... | 2 | 1 | ..... |
| Terre Haute..... | (¹) | 1 | ..... | Utah: | | | |
| Iowa: | | | | Salt Lake City.... | 6 | 5 | ..... |
| Cedar Rapids..... | 0 | 2 | ..... | Washington: | | | |
| Council Bluffs.... | 2 | 1 | ..... | Everett..... | 1 | 1 | ..... |
| Davenport..... | (¹) | 4 | ..... | Seattle..... | 4 | 7 | ..... |
| Des Moines..... | ..... | 1 | ..... | Spokane..... | 5 | 3 | ..... |
| Dubuque..... | (¹) | 5 | ..... | Tacoma..... | 1 | 4 | ..... |
| Sioux City..... | 1 | 1 | ..... | Vancouver..... | 0 | 1 | ..... |
| Kansas: | | | | Yakima..... | (¹) | 2 | ..... |
| Atchison..... | 1 | 1 | ..... | West Virginia: | | | |
| Coffeyville..... | 0 | 1 | ..... | Bluefield..... | 0 | 1 | ..... |
| Michigan: | | | | Wisconsin: | | | |
| Pattle Creek..... | 0 | 1 | ..... | Eau Claire..... | 0 | 1 | ..... |
| Detroit..... | 2 | 12 | ..... | Kenosha..... | 0 | 9 | ..... |
| Ironwood..... | 0 | 1 | ..... | La Crosse..... | (¹) | 1 | ..... |
| Minnesota: | | | | Madison..... | 0 | 1 | ..... |
| Duluth..... | 0 | 3 | ..... | Manitowoc..... | (¹) | 1 | ..... |
| Minneapolis..... | 2 | 18 | ..... | Milwaukee..... | 2 | 13 | ..... |
| St. Paul..... | 1 | 6 | ..... | Oshkosh..... | 1 | 2 | ..... |
| Winona..... | 0 | 1 | ..... | Racine..... | (¹) | 4 | ..... |
| Montana: | | | | Sheboygan..... | 0 | 4 | ..... |
| Butte..... | 1 | 1 | ..... | Superior..... | (¹) | 3 | ..... |

¹ Average less than 1.

TETANUS.

City Reports for Week Ended Aug. 21, 1920.

| Place. | Cases. | Deaths. | Place. | Cases. | Deaths. |
|-----------------|--------|---------|-------------------|--------|---------|
| California: | | | New York: | | |
| Oakland..... | ..... | 1 | New York..... | 1 | ..... |
| Illinois: | | | Pennsylvania: | | |
| Chicago..... | 1 | ..... | Philadelphia..... | 1 | ..... |
| Indiana: | | | South Carolina: | | |
| Mishawaka..... | ..... | 1 | Charleston..... | ..... | 1 |
| Massachusetts: | | | Texas: | | |
| Lawrence..... | 1 | 1 | Beaumont..... | 1 | ..... |
| Missouri: | | | Wisconsin: | | |
| St. Joseph..... | ..... | 1 | Milwaukee..... | 1 | 1 |
| St. Louis..... | 1 | ..... |  |  |  |

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 2167; and Weekly reports from cities, p. 2183.

TYPHOID FEVER.

State Reports for July, 1920.

| Place. | New cases reported. | Place. | New cases reported. |
|-------------------------|---------------------|---------------------------|---------------------|
| Arkansas: | | Montana: | |
| Calhoun County..... | 1 | Beaverhead County— | |
| Carroll County..... | 2 | Dillon..... | 1 |
| Cleburne County..... | 1 | Cascade County— | |
| Columbia County..... | 2 | Great Falls..... | 1 |
| Craighead County..... | 4 | Gallatin County— | |
| Cross County..... | 4 | Three Forks..... | 1 |
| Dallas County..... | 1 | Hill County— | |
| Drew County..... | 3 | Havre..... | 1 |
| Faulkner County..... | 14 | Jefferson County— | |
| Franklin County..... | 4 | Whitehall..... | 1 |
| Garland County..... | 2 | Lewis and Clark County— | |
| Greene County..... | 4 | Augusta (R. D.)..... | 2 |
| Hot Spring County..... | 4 | Helena..... | 1 |
| Jefferson County..... | 2 | Missoula County— | |
| Lawrence County..... | 1 | Missoula..... | 3 |
| Lee County..... | 8 | Pablo..... | 2 |
| Logan County..... | 15 | Roosevelt County— | |
| Lonoke County..... | 2 | Culbertson (R. D.)..... | 1 |
| Mississippi County..... | 1 | Rosebud County— | |
| Monroe County..... | 3 | Forsyth..... | 1 |
| Ouachita County..... | 2 | Sheridan County— | |
| Pope County..... | 1 | Flaxville (R. D.)..... | 1 |
| Pulaski County..... | 8 | Silver Bow County— | |
| Scott County..... | 1 | Butte..... | 2 |
| Sebastian County..... | 19 | Meaderville..... | 1 |
| Union County..... | 3 | Treasure County— | |
| Washington County..... | 6 | Hysham (R. D.)..... | 1 |
| White County..... | 1 | Yellowstone County— | |
| Woodruff County..... | 3 | Billings (R. D. 3)..... | 5 |
| Total..... | 122 | Total..... | 25 |
| Connecticut: | | Virginia: | |
| Fairfield County— | | Accomac County..... | 3 |
| Bridgeport..... | 1 | Chincoteague..... | 1 |
| Greenwich..... | 1 | Tangier..... | 3 |
| Stamford..... | 1 | Albemarle County..... | 1 |
| Hartford County— | | Alleghany County..... | 2 |
| East Granby..... | 1 | Clifton Forge..... | 2 |
| Enfield..... | 2 | Angusta County..... | 2 |
| Glastonbury..... | 1 | Bedford County..... | 1 |
| New Britain..... | 1 | Brunswick County..... | 3 |
| Litchfield County— | | Buchanan County..... | 2 |
| Washington..... | 1 | Buckingham County..... | 1 |
| Middlesex County— | | Caroline County..... | 1 |
| Middletown (town)..... | 1 | Carroll County..... | 1 |
| Middletown..... | 2 | Dinwiddie County..... | 1 |
| New Haven County— | | Petersburg..... | 1 |
| East Haven..... | 1 | Elizabeth City County— | |
| Naugatuck..... | 1 | Hampton..... | 4 |
| New Haven..... | 1 | Phoebus..... | 1 |
| New London County— | | Fairfax County— | |
| New London..... | 4 | Falls Church..... | 1 |
| Windham County— | | Franklin County..... | 2 |
| Killingly..... | 1 | Frederick County..... | 1 |
| Total..... | 19 | Winchester..... | 2 |
| Idaho: | | Giles County..... | 2 |
| Ada County— | | Gloucester County..... | 4 |
| Boise..... | 1 | Goochland County..... | 1 |
| Bear Lake County— | | Grayson County..... | 2 |
| Paris..... | 1 | Greene County..... | 3 |
| Bonneville County— | | Halifax County— | |
| Idaho Falls..... | 2 | Houston..... | 1 |
| Boundary County..... | 1 | South Boston..... | 1 |
| Caribou County..... | 1 | Hanover County..... | 2 |
| Shoshone County— | | Henrico County..... | 3 |
| Wallace..... | 1 | Richmond..... | 15 |
| Total..... | 7 | Henry County..... | 7 |
| | | Martinsville..... | 1 |
| | | Isle of Wight County..... | 3 |
| | | Smithfield..... | 1 |
| | | James City County..... | 1 |
| | | Williamsburg..... | 2 |

TYPHOID FEVER—Continued.

State Reports for July, 1920—Continued.

| Place. | New cases reported. | Place. | New cases reported. |
|----------------------------|---------------------|--------------------------|---------------------|
| Virginia—Continued. | | Virginia—Continued. | |
| King and Queen County..... | 2 | Scott County..... | 2 |
| King William County..... | 1 | Shenandoah County..... | 4 |
| Lancaster County..... | 1 | Mount Jackson..... | 1 |
| Lee County..... | 1 | Strasburg..... | 1 |
| Keokee..... | 2 | Smyth County— | |
| Lunenburg County— | | Saltville..... | 1 |
| Victoria..... | 2 | Southampton County..... | 10 |
| Madison County..... | 2 | Boykins..... | 2 |
| Montgomery County..... | 2 | Courtland..... | 3 |
| East Radford..... | 1 | Drewryville..... | 1 |
| Radford..... | 1 | Franklin..... | 2 |
| Nansemond County..... | 2 | Newsoms..... | 1 |
| Nelson County..... | 4 | Stafford County..... | 1 |
| New Kent County..... | 1 | Surry County..... | 4 |
| Norfolk County..... | 4 | Sussex County..... | 3 |
| Norfolk..... | 5 | Wakefield..... | 1 |
| Northampton County..... | 5 | Warren County— | |
| Orange County..... | 1 | Front Royal..... | 1 |
| Patrick County..... | 1 | Warwick County— | |
| Pittsylvania County..... | 5 | Newport News..... | 4 |
| Danville..... | 3 | Washington County..... | 1 |
| Princess Anne County..... | 5 | Abingdon..... | 1 |
| Prince Edward County..... | 3 | Bristol..... | 3 |
| Farmville..... | 1 | Westmoreland County..... | 1 |
| Prince George County— | | Colonial Beach..... | 1 |
| Hopewell..... | 8 | Wise County..... | 3 |
| Prince William County— | | Norton..... | 1 |
| Manassas..... | 2 | Osaka..... | 2 |
| Pulaski County— | | Stonega..... | 1 |
| Pulaski..... | 1 | Wythe County..... | 1 |
| Rockbridge County— | | York County..... | 3 |
| Lexington..... | 1 | | |
| Rockingham County..... | 3 | Total..... | 221 |
| Russell County..... | 1 | | |

City Reports for Week Ended Aug. 21, 1920.

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

| Place. | Average cases. | 1920 | | Place. | Average cases. | 1920 | |
|------------------------|----------------|--------|---------|-------------------|----------------|--------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| Alabama: | | | | Georgia: | | | |
| Anniston..... | 2 | 1 | ..... | Atlanta..... | 8 | 5 | ..... |
| Birmingham..... | 18 | 3 | ..... | Rome..... | 1 | 1 | ..... |
| Mobile..... | 2 | 6 | 1 | Illinois: | | | |
| Arkansas: | | | | Chicago..... | 16 | 9 | 1 |
| Little Rock..... | 5 | 2 | ..... | Kankakee..... | 0 | 1 | ..... |
| North Little Rock..... | 0 | 1 | ..... | La Salle..... | ..... | 1 | ..... |
| California: | | | | Mattoon..... | 1 | 1 | ..... |
| Los Angeles..... | 5 | 8 | ..... | Pekin..... | 0 | 1 | ..... |
| Oakland..... | 2 | 4 | 1 | Rockford..... | (1) | 1 | ..... |
| Sacramento..... | 1 | 1 | 1 | Springfield..... | 1 | 1 | ..... |
| San Francisco..... | 3 | 3 | ..... | Indiana: | | | |
| Santa Cruz..... | 0 | 1 | ..... | Bedford..... | 1 | 1 | ..... |
| Stockton..... | (1) | 1 | ..... | Fort Wayne..... | (1) | 2 | ..... |
| Colorado: | | | | Gary..... | ..... | ..... | 1 |
| Denver..... | 4 | 9 | ..... | Hammond..... | 0 | 3 | 1 |
| Connecticut: | | | | Indianapolis..... | 47 | 4 | ..... |
| Bridgeport..... | 1 | 1 | ..... | Marion..... | 1 | 1 | ..... |
| Hartford..... | 6 | 1 | ..... | South Bend..... | 2 | 1 | ..... |
| New Britain..... | (1) | 1 | ..... | Terre Haute..... | 0 | 1 | ..... |
| New Haven..... | 4 | 2 | 1 | Iowa: | | | |
| Delaware: | | | | Burlington..... | 0 | 2 | ..... |
| Wilmington..... | 1 | 2 | 1 | Des Moines..... | ..... | 2 | ..... |

¹ Average less than 1.

TYPHOID FEVER—Continued.

City Reports for Week Ended Aug. 21, 1920—Continued.

| Place. | Average cases. | 1920 | | Place. | Average cases. | 1920 | |
|---------------------|----------------|--------|---------|-----------------------|----------------|--------|---------|
| | | Cases. | Deaths. | | | Cases. | Deaths. |
| Kansas: | | | | New York—Contd. | | | |
| Coffeyville..... | 2 | 2 | ..... | New York..... | 38 | 50 | 6 |
| Hutchinson..... | 1 | 2 | ..... | Port Chester..... | 0 | 1 | 1 |
| Topeka..... | 3 | 5 | ..... | Saratoga Springs..... | 0 | 1 | ..... |
| Kentucky: | | | | Schenectady..... | (1) | 2 | ..... |
| Lexington..... | 2 | 1 | ..... | Syracuse..... | 2 | ..... | 1 |
| Louisville..... | 12 | 3 | ..... | Troy..... | 1 | 2 | ..... |
| Paducah..... | ..... | 1 | ..... | Watertown..... | 2 | 3 | ..... |
| Louisiana: | | | | North Carolina: | | | |
| New Orleans..... | 9 | 29 | ..... | Charlotte..... | 5 | 1 | ..... |
| Maine: | | | | Durham..... | 1 | 4 | ..... |
| Bangor..... | ..... | 1 | ..... | Wilmington..... | 1 | 2 | ..... |
| Portland..... | 1 | 3 | ..... | Winston-Salem..... | 8 | 5 | 1 |
| Maryland: | | | | North Dakota: | | | |
| Baltimore..... | 23 | 6 | 1 | Fargo..... | (1) | ..... | 1 |
| Cumberland..... | 2 | 2 | ..... | Ohio: | | | |
| Massachusetts: | | | | Akron..... | 4 | 1 | ..... |
| Boston..... | 7 | 2 | 1 | Barberton..... | ..... | 1 | ..... |
| Chelsea..... | 1 | 2 | ..... | Canton..... | (1) | 1 | ..... |
| Cinton..... | 0 | 1 | ..... | Cincinnati..... | 3 | 3 | ..... |
| Fall River..... | 7 | 5 | ..... | Cleveland..... | 8 | 4 | 2 |
| Gardner..... | 0 | 1 | ..... | Columbus..... | 5 | ..... | 1 |
| Lowell..... | 3 | ..... | 1 | Dayton..... | 4 | 1 | ..... |
| Lynn..... | 1 | 1 | ..... | Marion..... | 0 | 1 | ..... |
| New Bedford..... | 2 | 6 | ..... | Piqua..... | 0 | 1 | ..... |
| Pittsfield..... | 0 | 1 | ..... | Springfield..... | 1 | 1 | 1 |
| Taunton..... | (1) | 1 | ..... | Toledo..... | 5 | 6 | 1 |
| Michigan: | | | | Oklahoma: | | | |
| Detroit..... | 9 | 9 | 1 | Oklahoma City..... | 1 | 3 | 1 |
| Flint..... | 2 | 2 | 1 | Pennsylvania: | | | |
| Kalamazoo..... | (1) | 1 | ..... | Philadelphia..... | 21 | 15 | ..... |
| Ludington..... | 0 | 1 | ..... | Rhode Island: | | | |
| Minnesota: | | | | Providence..... | 4 | 3 | ..... |
| Duluth..... | 2 | ..... | 1 | South Carolina: | | | |
| Hibbing..... | 0 | 2 | ..... | Charleston..... | 3 | 1 | 1 |
| Minneapolis..... | 3 | 1 | ..... | Columbia..... | 2 | 1 | ..... |
| St. Paul..... | (1) | 3 | ..... | Spartanburg..... | 2 | 1 | 1 |
| Missouri: | | | | Tennessee: | | | |
| Cape Girardeau..... | 11 | 1 | ..... | Knoxville..... | 5 | 5 | 1 |
| Independence..... | 0 | 1 | ..... | Memphis..... | 13 | 3 | ..... |
| Kansas City..... | 7 | ..... | 2 | Nashville..... | 13 | 3 | 2 |
| St. Louis..... | 22 | 4 | 1 | Texas: | | | |
| Montana: | | | | Dallas..... | 7 | 5 | ..... |
| Great Falls..... | 3 | 1 | ..... | Virginia: | | | |
| Nebraska: | | | | Alexandria..... | ..... | 1 | ..... |
| Omaha..... | 2 | 2 | ..... | Lynchburg..... | 5 | 3 | ..... |
| New Hampshire: | | | | Norfolk..... | 6 | 2 | ..... |
| Manchester..... | (1) | 1 | ..... | Richmond..... | 7 | 3 | ..... |
| New Jersey: | | | | Roanoke..... | 4 | 3 | 1 |
| Hoboken..... | (1) | ..... | 1 | Washington: | | | |
| Jersey City..... | 2 | 3 | ..... | Seattle..... | 2 | 2 | ..... |
| Newark..... | 5 | 3 | ..... | Yakima..... | 5 | 3 | ..... |
| Paterson..... | 0 | 2 | ..... | West Virginia: | | | |
| New York: | | | | Huntington..... | ..... | 2 | ..... |
| Albany..... | 0 | 2 | ..... | Wisconsin: | | | |
| Auburn..... | 2 | 1 | 1 | Ashland..... | ..... | 1 | ..... |
| Binghamton..... | (1) | 1 | ..... | Eau Claire..... | 0 | 1 | ..... |
| Buffalo..... | 8 | 2 | ..... |  |  |  |  |

1 Average less than 1.

YELLOW FEVER.

Quarantine, La.

One death from yellow fever occurred at Quarantine, La., on September 3, 1920. The patient was taken from the Dutch steamship *Soestdijk*, which arrived at Quarantine from Vera Cruz on that date, and died in Quarantine Hospital.

According to the information, the vessel was being fumigated and the crew was to be held on board for six days.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended Aug. 21, 1920.

| City. | Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau). | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|-------------------------|---|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Aberdeen, S. Dak. | 15,926 | 1 | 1 | | | | | | | |
| Akron, Ohio | 93,604 | 35 | 1 | | | | 2 | | 1 | |
| Alameda, Calif. | 28,433 | 4 | | | | | | | 2 | |
| Albany, N. Y. | 106,632 | | 2 | | | | | | 2 | |
| Alexandria, La. | 16,232 | 4 | 1 | 1 | | | | | | |
| Alexandria, Va. | 17,959 | 7 | | | | | | | | |
| Alton, Ill. | 23,783 | 4 | 4 | | | | | | 1 | 1 |
| Amesbury, Mass. | 10,200 | 1 | | | | | | | | |
| Ann Arbor, Mich. | 15,041 | 15 | | | | | | | | |
| Anniston, Ala. | 14,326 | | 1 | | | | 2 | | | |
| Ansonia, Conn. | 16,954 | 5 | | | 3 | | | | | |
| Appleton, Wis. | 18,005 | | | | | | 2 | | | |
| Arlington, Mass. | 13,073 | 2 | | | | | | | | |
| Asbury Park, N. J. | 11,629 | 3 | | | | | | | 1 | |
| Ashland, Wis. | 11,594 | | | | | | | | 2 | |
| Ashtabula, Ohio | 22,008 | 3 | 1 | | | | | | 1 | |
| Atchison, Kans. | 16,785 | | | | 1 | | | | | |
| Atlanta, Ga. | 196,144 | 58 | 2 | 1 | | | 3 | | 2 | 5 |
| Atlantic City, N. J. | 51,575 | 13 | 3 | | 3 | | 1 | | 3 | |
| Attleboro, Mass. | 19,778 | 5 | | | | | | | | |
| Auburn, Me. | 16,607 | 1 | | | | | | | | |
| Auburn, N. Y. | 37,823 | 14 | 1 | 1 | 1 | | | | | 2 |
| Aurora, Ill. | 31,795 | 2 | 1 | | 2 | | | | | |
| Baltimore, Md. | 591,037 | 193 | 6 | | 10 | | 6 | | 26 | 14 |
| Bangor, Me. | 21,958 | | 3 | | | | | | | |
| Barberton, Ohio | 11,187 | 3 | | | | | | | 1 | 1 |
| Battle Creek, Mich. | 37,159 | | 6 | | 1 | | | | | |
| Bayonne, N. J. | 72,201 | | 1 | | | | | | 3 | |
| Beatrice, Nebr. | 10,437 | 3 | | | | | | | | |
| Beaumont, Tex. | 28,851 | 6 | | | | | | | | 1 |
| Bedford, Ind. | 10,613 | 0 | | | | | | | | |
| Belleville, N. J. | 12,797 | | | | | | | | 1 | |
| Beloit, Wis. | 18,577 | | | | | | 2 | | | |
| Benton Harbor, Mich. | 11,099 | 2 | 1 | | | | | | | |
| Berlin, N. H. | 13,892 | | | | | | | | | |
| Beverly, Mass. | 22,128 | 5 | | | | | | | | |
| Billings, Mont. | 15,123 | 1 | | | | | | | | |
| Binghampton, N. Y. | 51,864 | 8 | 2 | 2 | 1 | | 2 | | | |
| Birmingham, Ala. | 183,716 | | 5 | | 1 | | 3 | | 4 | 3 |
| Bloomfield, N. J. | 19,013 | 1 | | | | | | | 1 | |
| Bloomington, Ill. | 27,462 | 7 | | | | | | | | |
| Bloomington, Ind. | 11,661 | 4 | | | | | | | | 1 |
| Boise, Idaho | 35,951 | | | | 2 | | | | | |
| Boston, Mass. | 767,813 | 175 | 25 | 2 | 5 | | 6 | | 43 | 7 |
| Brazil, Ind. | 10,472 | 1 | | | | | | | | |
| Bridgeport, Conn. | 121,724 | 40 | | | | | 1 | | 3 | 3 |
| Bristol, Conn. | 16,318 | 5 | 1 | | 1 | | 1 | | | |
| Brockton, Mass. | 69,152 | 13 | | | | | | | 1 | 1 |
| Brookline, Mass. | 33,526 | 7 | | | 1 | | | | 1 | |
| Brunswick, Ga. | 10,984 | 4 | | | | | | | 2 | 1 |
| Buffalo, N. Y. | 475,781 | 109 | 17 | 4 | 7 | | | | | 10 |
| Burlington, Iowa | 25,144 | | 1 | | | | 1 | | 1 | |
| Burlington, Vt. | 21,802 | 3 | | | | | | | | |
| Butte, Mont. | 44,057 | 17 | 1 | | 8 | | 1 | | 1 | 2 |
| Cadillac, Mich. | 10,158 | 0 | | | | | | | | |
| Cairo, Ill. | 15,995 | 5 | | | | | | | | 1 |
| Cambridge, Mass. | 114,293 | 32 | 1 | | | | 2 | | 5 | 2 |
| Canton, Ill. | 13,674 | 0 | | | | | | | | |
| Canton, Ohio | 62,506 | 16 | 2 | 1 | | | 1 | | | 2 |
| Cape Girardeau, Mo. | 11,146 | 2 | | | | | | | | |
| Charleston, S. C. | 61,041 | 29 | 2 | | | | | | 1 | 3 |
| Charlotte, N. C. | 40,759 | 10 | | | | | | | | 2 |
| Chelsea, Mass. | 48,405 | 6 | | | | | | | 2 | |
| Cheyenne, Wyo. | 11,320 | 5 | | | | | | | | |
| Chicago Heights, Ill. | 22,863 | 4 | | | | | | | | |
| Chicago, Ill. | 2,547,201 | 513 | 87 | 12 | 20 | | 27 | | 195 | 45 |
| Chicopee, Mass. | 29,950 | 9 | | | | | | | | |
| Chillicothe, Ohio | 15,625 | 4 | | | | | | | 1 | |
| Cincinnati, Ohio | 414,248 | | 3 | | | | 1 | | 18 | 9 |
| Cleveland, Ohio | 692,259 | 149 | 15 | 2 | 2 | | 18 | 1 | 27 | 12 |
| Clinton, Mass. | 13,075 | 1 | | | 9 | | 1 | | 1 | |
| Coffeyville, Kans. | 18,331 | 5 | | | | | | | | |
| Colorado Springs, Colo. | 38,965 | 17 | | | | | | | | 4 |

1 Population A pr. 15, 1910.

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

City Reports for Week Ended Aug. 21, 1920—Continued.

| City. | Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau). | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|----------------------------|---|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Columbus, Ohio..... | 220,135 | 53 | | | | | 4 | | 3 | 4 |
| Concord, N. H..... | 22,858 | 9 | 1 | | | | | | | |
| Corpus Christi, Tex..... | 10,789 | 4 | | | | | | | 2 | |
| Council Bluffs, Iowa..... | 31,838 | 6 | | | | | | | | 1 |
| Covington, Ky..... | 59,623 | 11 | | | | | | | | 2 |
| Cranston, R. I..... | 26,773 | 4 | 1 | | | | | | 4 | |
| Cumberland, Md..... | 26,686 | 6 | | | | | | | 1 | |
| Dallas, Tex..... | 129,738 | 26 | 11 | | 3 | | 2 | | 4 | |
| Danbury, Conn..... | 22,931 | 11 | | | | | | | | |
| Danville, Ill..... | 32,969 | 11 | | | | | | | | |
| Davenport, Iowa..... | 49,618 | | | | | 1 | | | | |
| Dayton, Ohio..... | 128,939 | 24 | 3 | | | 3 | | | | |
| Decatur, Ill..... | 41,483 | 6 | 1 | | | | | | | |
| Dedham, Mass..... | 10,618 | 2 | | | | | | | | |
| Denver, Colo..... | 268,439 | 73 | 19 | 2 | 6 | | 2 | | | 16 |
| Des Moines, Iowa..... | 104,052 | | 10 | | 1 | | 5 | | | |
| Detroit, Mich..... | 619,648 | 205 | 56 | 4 | 4 | 1 | 27 | 2 | 46 | 18 |
| Dover, N. H..... | 13,276 | 3 | | | 2 | | | 2 | | |
| Dubuque, Iowa..... | 47,086 | | 3 | | | | 1 | | | |
| Duluth, Minn..... | 97,077 | 18 | 7 | | 5 | | 6 | | 1 | |
| Durham, N. C..... | 26,160 | 4 | | | | | | | | |
| East Chicago, Ind..... | 30,286 | 13 | | | | | | | | 2 |
| East Cleveland, Ohio..... | 13,864 | | | | | | 1 | | | |
| East Orange, N. J..... | 43,761 | 6 | 1 | | 4 | | | | | |
| East Providence, R. I..... | 18,485 | | | | | | 1 | | | |
| East St. Louis, Ill..... | 77,312 | 12 | | | | | 1 | | 9 | 1 |
| Eau Claire, Wis..... | 18,887 | | 1 | | 1 | | 2 | | | |
| Elgin, Ill..... | 28,562 | 10 | | | 2 | | | | | 1 |
| Elizabeth, N. J..... | 88,830 | 21 | 4 | | 3 | | | | 2 | 2 |
| Elkhart, Ind..... | 22,273 | 4 | 1 | | | | 7 | | | |
| El Paso, Tex..... | 69,149 | 39 | 1 | | | | | | | 8 |
| Englewood, N. J..... | 12,603 | 0 | | | | | | | | |
| Eureka, Calif..... | 15,142 | 9 | | | | | | | 7 | 2 |
| Evanston, Ill..... | 29,304 | 8 | 1 | | | | | | 1 | |
| Everett, Mass..... | 40,160 | 4 | | | | | | | | |
| Everett, Wash..... | 37,205 | | | | 1 | | | | | |
| Fall River, Mass..... | 129,828 | 24 | | | 4 | | 3 | | 1 | 1 |
| Fargo, N. Dak..... | 17,872 | 12 | 1 | | | | | | | |
| Findlay, Ohio..... | 14,858 | 5 | | | | | 1 | | | |
| Flint, Mich..... | 57,386 | 21 | 4 | | | | 10 | | | |
| Fort Smith, Ark..... | 29,390 | | 1 | | | | | | | |
| Fort Wayne, Ind..... | 78,014 | 22 | 1 | | | | 1 | | | |
| Fostoria, Ohio..... | 10,959 | 1 | | | | | | | | |
| Framingham, Mass..... | 14,149 | 3 | | | 1 | | | | | |
| Freeport, Ill..... | 19,844 | 7 | | | | | | | | |
| Fremont, Ohio..... | 11,034 | 1 | | | | | | | | |
| Fresno, Calif..... | 36,314 | 7 | 2 | | | | | | | |
| Galesburg, Ill..... | 24,629 | 6 | | | | | | | | |
| Galveston, Tex..... | 42,650 | 12 | | | | | | | 1 | |
| Gardner, Mass..... | 17,534 | 4 | | | 2 | | | | 2 | 1 |
| Gary, Ind..... | 56,000 | 8 | 1 | | 1 | | 1 | | 1 | |
| Glens Falls, N. Y..... | 17,160 | 3 | | | | | | | | |
| Grand Rapids, Mich..... | 132,861 | 25 | 2 | | 1 | | | | 4 | 1 |
| Great Falls, Mont..... | 13,948 | 6 | 1 | | | | 3 | | | 1 |
| Greeley, Colo..... | 11,942 | 1 | 1 | | | | | | | |
| Green Bay, Wis..... | 30,017 | | | | | | | | 1 | |
| Greenfield, Mass..... | 12,251 | 2 | | | 2 | | | | | |
| Greensboro, N. C..... | 20,171 | 5 | | | | | | | | |
| Greenwich, Conn..... | 19,594 | 4 | 4 | | | | | | 2 | 1 |
| Hackensack, N. J..... | 17,412 | 6 | 1 | | | | | | 1 | 1 |
| Hammond, Ind..... | 27,016 | 5 | 1 | 1 | | | | | | |
| Harrison, N. J..... | 17,345 | | | | 2 | | | | | |
| Hartford, Conn..... | 112,831 | 44 | 4 | | 1 | | 1 | | 1 | |
| Highland Park, Mich..... | 33,859 | 4 | 5 | 1 | 1 | | 1 | | 1 | |
| Hoboken, N. J..... | 78,324 | 11 | | | | | | | 1 | 3 |
| Holland, Mich..... | 13,459 | 2 | | | | | | | | |
| Holyoke, Mass..... | 66,503 | 8 | | | | | 1 | | 1 | |
| Hot Springs, Ark..... | 17,690 | 10 | | | | | | | | 1 |
| Huntington, Ind..... | 10,982 | 3 | | | | | 1 | | | |
| Huntington, W. Va..... | 47,686 | 20 | 1 | | | | | | | 3 |
| Independence, Mo..... | 11,964 | 5 | 1 | | | | | | 1 | 1 |

Population Apr. 15, 1910.

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

City Reports for Week Ended Aug. 21, 1920—Continued.

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|---------------------|---|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Indianapolis, Ind. | 283,622 | 63 | 1 | | 2 | | 1 | | 8 | 7 |
| Ironton, Ohio | 14,079 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Ironwood, Mich. | 15,095 | 2 | 1 | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Irvington, N. J. | 16,710 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ..... |
| Ishpeming, Mich. | 112,448 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... |
| Ithaca, N. Y. | 16,017 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Jamestown, N. Y. | 37,431 | 6 | 1 | ..... | 1 | ..... | 1 | ..... | 2 | ..... |
| Janesville, Wis. | 14,411 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Jefferson City, Mo. | 13,712 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Jersey City, N. J. | 312,557 | ..... | 6 | ..... | 1 | ..... | 2 | ..... | 3 | ..... |
| Joplin, Mo. | 33,400 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Kalamazoo, Mich. | 50,408 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | 5 | 4 |
| Kankakee, Ill. | 14,270 | 1 | ..... | ..... | 4 | ..... | ..... | ..... | 1 | ..... |
| Kansas City, Kans. | 102,096 | ..... | 3 | ..... | ..... | ..... | 1 | ..... | 4 | ..... |
| Kansas City, Mo. | 305,816 | 75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7 |
| Kearny, N. J. | 24,325 | 3 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Keene, N. H. | 10,725 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 |
| Kenosha, Wis. | 32,833 | ..... | ..... | ..... | 1 | ..... | 1 | ..... | ..... | ..... |
| Kewanee, Ill. | 13,607 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Knoxville, Tenn. | 59,112 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | 1 | 1 |
| Kokomo, Ind. | 21,929 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lackawanna, N. Y. | 16,219 | 8 | 1 | ..... | 8 | ..... | ..... | ..... | ..... | 1 |
| La Crosse, Wis. | 31,833 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| La Fayette, Ind. | 21,481 | 4 | 2 | ..... | 1 | ..... | 1 | ..... | ..... | 2 |
| Lancaster, Ohio | 16,086 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 3 | ..... |
| La Salle, Ill. | 12,332 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lawrence, Kans. | 13,477 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... |
| Lawrence, Mass. | 102,923 | 13 | 2 | ..... | 3 | ..... | ..... | ..... | 4 | ..... |
| Leavenworth, Kans. | 19,363 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Leominster, Mass. | 21,365 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lexington, Ky. | 41,997 | 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| Lima, Ohio | 37,145 | 12 | ..... | ..... | ..... | ..... | 2 | ..... | 1 | ..... |
| Lincoln, Nebr. | 46,957 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... |
| Little Rock, Ark. | 58,716 | ..... | 2 | ..... | ..... | ..... | 1 | ..... | 5 | ..... |
| Lockport, N. Y. | 20,028 | 5 | ..... | ..... | 1 | ..... | ..... | ..... | 1 | ..... |
| Logansport, Ind. | 21,338 | 4 | 1 | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Long Beach, Calif. | 20,163 | 20 | 1 | ..... | ..... | ..... | ..... | ..... | 1 | 1 |
| Lorain, Ohio | 33,266 | ..... | ..... | ..... | 1 | ..... | 3 | ..... | ..... | ..... |
| Los Angeles, Calif. | 535,485 | 132 | 26 | 2 | 18 | 1 | 3 | ..... | 58 | 17 |
| Louisville, Ky. | 240,808 | 62 | 1 | ..... | 2 | ..... | 1 | ..... | 9 | 4 |
| Lowell, Mass. | 114,366 | 27 | 2 | 1 | 19 | 1 | 2 | ..... | 4 | 2 |
| Ludington, Mich. | 10,566 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lynchburg, Va. | 33,497 | 7 | 2 | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Lynn, Mass. | 104,534 | 19 | 2 | ..... | 1 | ..... | ..... | ..... | 3 | 2 |
| Madison, Wis. | 31,315 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Malden, Mass. | 52,243 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Manchester, Conn. | 15,889 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Manchester, N. H. | 79,607 | 14 | ..... | ..... | ..... | ..... | 6 | ..... | ..... | 1 |
| Manitowoc, Wis. | 13,931 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Mankato, Minn. | 10,365 | 2 | ..... | ..... | ..... | ..... | 2 | ..... | 1 | ..... |
| Marion, Ind. | 19,923 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Marion, Ohio | 24,129 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Marquette, Mich. | 12,555 | 2 | ..... | ..... | 2 | ..... | ..... | ..... | 3 | ..... |
| Marshalltown, Iowa | 14,519 | ..... | 1 | ..... | 1 | ..... | 1 | ..... | ..... | ..... |
| Mason City, Iowa | 14,938 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Medford, Mass. | 26,681 | 5 | 1 | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Melrose, Mass. | 17,724 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Memphis, Tenn. | 151,877 | 53 | 2 | ..... | 1 | ..... | 5 | ..... | 7 | 8 |
| Methuen, Mass. | 14,320 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Middletown, N. Y. | 15,890 | ..... | 1 | ..... | 1 | ..... | ..... | ..... | ..... | ..... |
| Middletown, Ohio | 16,384 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Milwaukee, Wis. | 445,008 | 73 | 20 | 4 | 3 | ..... | 7 | ..... | 21 | ..... |
| Minneapolis, Minn. | 373,448 | 52 | 4 | ..... | 2 | ..... | 5 | ..... | 16 | 4 |
| Mishawaka, Ind. | 17,063 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Missoula, Mont. | 19,075 | 5 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... |
| Mobile, Ala. | 59,201 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 2 |
| Monmouth, Ill. | 10,346 | 4 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Montclair, N. J. | 27,087 | 2 | ..... | ..... | 2 | ..... | ..... | ..... | ..... | ..... |
| Montgomery, Ala. | 44,089 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 |
| Morristown, N. J. | 13,410 | 2 | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ..... |
| Moundsville, W. Va. | 11,545 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

¹ Population Apr. 15, 1910.

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

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|-------------------------|---|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Mount Vernon, N. Y. | 37,991 | 8 | | | | | | | | |
| Muscatine, Iowa. | 17,713 | 1 | | | | | | | | |
| Nashville, Tenn. | 118,136 | 54 | | | | | 2 | | 1 | 2 |
| Nowark, N. J. | 418,789 | 83 | 9 | | 11 | | 5 | | 26 | 3 |
| New Bedford, Mass. | 121,622 | 34 | 2 | | | | 2 | | 5 | 1 |
| New Britain, Conn. | 55,385 | 13 | 1 | | 4 | | 2 | | | |
| Newburyport, Mass. | 15,291 | 10 | | | | | | | 2 | |
| New Haven, Conn. | 152,275 | 28 | 1 | | 1 | | 3 | | 7 | 1 |
| New Orleans, La. | 377,010 | 102 | 3 | | 4 | | 1 | | 18 | 14 |
| Newport, R. I. | 30,585 | 7 | | | | | | | | |
| Newton, Mass. | 44,543 | 8 | 2 | | 1 | | | | 1 | |
| New York, N. Y. | 5,757,492 | 1,082 | 121 | 4 | 39 | | 20 | 3 | 178 | 199 |
| Niagara Falls, N. Y. | 38,466 | 7 | 1 | | | | 2 | | 2 | 1 |
| Norfolk, Va. | 91,148 | | | | 1 | | | | | 3 |
| North Adams, Mass. | 122,019 | 2 | | | | | | | 1 | |
| Northampton, Mass. | 20,006 | 7 | 2 | 1 | | | | | 1 | |
| North Attleboro, Mass. | 11,248 | 1 | 1 | | | | | | 2 | |
| North Little Rock, Ark. | 15,515 | 5 | | | | | | | | 1 |
| North Tonawanda, N. Y. | 14,060 | 2 | 1 | | | | | | | |
| Norwalk, Conn. | 27,332 | 4 | 1 | | 1 | | | | 1 | |
| Norwich, Conn. | 21,923 | 5 | | | | | | | 1 | 1 |
| Norwood, Ohio. | 23,269 | 1 | | | | | | | 1 | |
| Oakland, Calif. | 206,405 | 46 | 3 | 1 | | | | | 2 | 5 |
| Oak Park, Ill. | 27,816 | 6 | 1 | | | | 5 | | | |
| Ogdensburg, N. Y. | 16,845 | 9 | | | | | | | | |
| Oklahoma City, Okla. | 97,588 | 22 | 4 | | 1 | | | | | 1 |
| Omaha, Nebr. | 177,777 | 27 | 5 | 1 | 1 | | 1 | | | 2 |
| Orange, Conn. | 14,393 | 7 | | | | | | | | |
| Orange, N. J. | 33,636 | 3 | | | | | | | 1 | |
| Oshkosh, Wis. | 36,549 | | 1 | | | | | | | |
| Parkersburg, W. Va. | 21,059 | 4 | 1 | | | | | | | |
| Parsons, Kans. | 15,952 | | | | 1 | | | | 3 | |
| Pasadena, Calif. | 49,620 | 12 | | | | | | | 2 | 4 |
| Passaic, N. J. | 74,478 | 26 | 1 | | 1 | | | | | 2 |
| Paterson, N. J. | 140,512 | 3 | 6 | | 1 | | 1 | | 4 | |
| Peekskill, N. Y. | 19,034 | 4 | | | | | | | | 1 |
| Peoria, Ill. | 72,184 | 12 | 1 | | 2 | | | | | |
| Perth Amboy, N. J. | 42,646 | 11 | 1 | | | | 1 | | | |
| Petersburg, Va. | 25,817 | 9 | 1 | | 2 | | 4 | | | |
| Philadelphia, Pa. | 1,735,514 | 381 | 45 | 9 | 11 | | 26 | | 30 | 34 |
| Phillipsburg, N. J. | 15,879 | 4 | | | | | | | 1 | |
| Piqua, Ohio. | 14,275 | 10 | | | | | | | | 1 |
| Pittsfield, Mass. | 39,678 | 8 | | | 1 | | 2 | | | |
| Plainfield, N. J. | 24,330 | 1 | | | | | | | | |
| Plattsburg, N. Y. | 13,111 | 7 | | | | | | | | |
| Plymouth, Mass. | 14,001 | 7 | | | | | | | | |
| Pontiac, Mich. | 18,006 | 12 | | | | | | | 1 | |
| Port Chester, N. Y. | 16,727 | 1 | | | | | | | | |
| Port Huron, Mich. | 18,863 | 1 | | | | | | | | |
| Portland, Me. | 64,720 | 18 | | | 3 | | | | | |
| Portland, Oreg. | 308,393 | 41 | 1 | | 18 | | | | 7 | 4 |
| Portsmouth, N. H. | 11,730 | | 3 | | 1 | | | | | |
| Poughkeepsie, N. Y. | 30,786 | 2 | | | | | | | | 2 |
| Providence, R. I. | 259,895 | 48 | 8 | | 5 | | 1 | | | 3 |
| Quincy, Ill. | 36,832 | 9 | | | | | | | | |
| Quincy, Mass. | 39,022 | 8 | | | 1 | | | | | 1 |
| Racine, Wis. | 47,465 | | | | 1 | | 2 | | | |
| Rahway, N. J. | 10,361 | 2 | | | | | | | | |
| Raleigh, N. C. | 20,274 | 7 | | | 1 | | 2 | | 1 | 1 |
| Redlands, Calif. | 14,573 | | | | | | | | 3 | |
| Reno, Nev. | 15,514 | 6 | | | | | | | | |
| Richmond, Va. | 158,702 | 44 | 10 | | | | 1 | | 6 | 4 |
| Riverside, Calif. | 20,496 | 1 | 1 | | 2 | | | | | 1 |
| Roanoke, Va. | 46,282 | 14 | 2 | | | | | | | 2 |
| Rochester, N. Y. | 261,714 | 45 | 16 | | 2 | | 3 | | 16 | 3 |
| Rockford, Ill. | 56,739 | 14 | 2 | | | | | | | |
| Rock Island, Ill. | 29,452 | 1 | 1 | | | | | | | |
| Rocky Mount, N. C. | 12,673 | 3 | | | | | | | | |
| Rome, Ga. | 15,607 | | | | | | 2 | | | |

¹ Population Apr. 15, 1910.

² Pulmonary tuberculosis only.

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

City Reports for Week Ended Aug. 21, 1920—Continued.

| City. | Popula- tion as of July 1, 1917 (estimated by U. S. Census Bureau). | Total deaths from all causes. | Diphtheria. | | Measles. | | Scarlet fever. | | Tuber- culosis. | |
|-------------------------|---|---|-------------|---------|----------|---------|-------------------|---------|--------------------|---------|
| | | | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| Rome, N. Y. | 21,259 | | | | 9 | | | | 1 | |
| Rutland, Vt. | 15,688 | 2 | | | 1 | | | | | 1 |
| Sacramento, Calif. | 68,984 | 27 | | | | | 1 | | 4 | 3 |
| St. Cloud, Minn. | 12,013 | | 1 | | | | | | | |
| St. Joseph, Mo. | 86,498 | 31 | | | | | | | | |
| St. Louis, Mo. | 788,680 | 137 | 31 | | 3 | | 4 | | 35 | 7 |
| St. Paul, Minn. | 252,465 | 47 | 20 | 1 | | | 1 | | 7 | 6 |
| Salem, Mass. | 49,348 | 4 | | | | | | | 1 | |
| Salt Lake City, Utah. | 121,623 | 24 | 2 | | 2 | | 2 | | 1 | |
| San Angelo, Tex. | 110,321 | 4 | | | | | | | | |
| San Diego, Calif. | 53,412 | 27 | | | 1 | | 1 | | 2 | 2 |
| Sandusky, Ohio. | 20,226 | 8 | | | | | | | | |
| Sanford, Me. | 11,217 | 5 | | | | | | | | |
| San Francisco, Calif. | 471,023 | 108 | 11 | | 4 | | 10 | | 12 | 6 |
| Santa Barbara, Calif. | 15,960 | 4 | | | | | | | 3 | |
| Santa Cruz, Calif. | 15,150 | 3 | | | | | | | | |
| Saratoga Springs, N. Y. | 13,839 | 6 | | | | | | | 1 | |
| Sault Ste. Marie, Mich. | 14,130 | 3 | | | | | 7 | | | |
| Schenectady, N. Y. | 103,774 | 16 | | | 4 | | | | 2 | 4 |
| Seattle, Wash. | 366,446 | | 3 | | | | 1 | | | |
| Sheboygan, Wis. | 28,907 | | | | 1 | | 2 | | | |
| Sioux City, Iowa. | 58,568 | 4 | 1 | | | | 1 | | | |
| Sioux Falls, S. Dak. | 16,887 | 4 | | | 1 | | 3 | | | |
| Somerville, Mass. | 88,618 | 18 | 4 | | | | 1 | | 3 | 3 |
| South Bend, Ind. | 70,967 | 8 | | | | | 4 | | 7 | 1 |
| Southbridge, Mass. | 14,465 | 2 | | | | | | | | |
| Spartanburg, S. C. | 21,985 | 6 | 1 | | | | | | | |
| Spokane, Wash. | 157,656 | | 1 | | 3 | | 1 | | | |
| Springfield, Ill. | 62,623 | 10 | | | 3 | | | | | |
| Springfield, Mass. | 106,668 | 37 | 2 | 1 | 1 | 1 | 4 | 1 | 4 | 1 |
| Springfield, Mo. | 41,160 | 13 | | | | | | 1 | | 1 |
| Springfield, Ohio. | 52,296 | 15 | | | | | 2 | | | |
| Stamford, Conn. | 31,810 | | | | | | | | 2 | |
| Steubenville, Ohio. | 28,259 | 1 | | | | | | | | |
| Stockton, Calif. | 36,209 | 8 | | | | | | | | 2 |
| Superior, Wis. | 47,167 | 9 | 1 | | | | 2 | | | 1 |
| Syracuse, N. Y. | 158,559 | 51 | 4 | | 11 | 1 | 4 | | 4 | 1 |
| Tacoma, Wash. | 117,446 | | 1 | | | | | | | |
| Taunton, Mass. | 36,610 | 9 | | | 1 | | 2 | | 1 | 2 |
| Terre Haute, Ind. | 67,361 | 14 | 1 | | | | 1 | | | 1 |
| Toledo, Ohio. | 202,010 | 44 | 4 | | 2 | 1 | 5 | | 2 | 3 |
| Topeka, Kans. | 49,538 | 15 | | | | | 2 | | 14 | |
| Trenton, N. J. | 113,974 | 31 | | | | | | | 3 | 1 |
| Troy, N. Y. | 78,094 | 20 | | | 1 | 1 | 2 | | | |
| Tucson, Ariz. | 17,324 | 9 | | | | | | | | 2 |
| Vallejo, Calif. | 13,809 | 1 | | | | | 1 | | | |
| Vancouver, Wash. | 13,805 | | 3 | | | | | | | |
| Waltham, Mass. | 31,011 | 5 | | | | | | | 1 | |
| Waterbury, Conn. | 89,201 | | 1 | | | | | | 3 | 1 |
| Watertown, Mass. | 15,188 | 3 | | | 1 | | | | | |
| Watertown, N. Y. | 30,404 | 0 | | | 1 | | 1 | | 2 | |
| Wausau, Wis. | 19,666 | 1 | | | | | | | | |
| Westfield, Mass. | 18,799 | 4 | 1 | | | | | | 1 | |
| West Hoboken, N. J. | 44,386 | 5 | 1 | | | | | | 1 | 1 |
| West New York, N. J. | 19,613 | 6 | | | | | | | | 3 |
| West Orange, N. J. | 13,964 | 1 | | | 2 | | | | | |
| Wheeling, W. Va. | 43,657 | 12 | 2 | | 2 | | 1 | | 3 | 2 |
| White Plains, N. Y. | 23,331 | 5 | | | | | | | 1 | |
| Wilmington, Del. | 95,369 | 31 | 1 | 1 | 1 | | 5 | 1 | | 2 |
| Wilmington, N. C. | 30,400 | 6 | | | | | | | | |
| Winston-Salem, N. C. | 33,136 | 24 | | | 1 | | | | 2 | 3 |
| Winthrop, Mass. | 13,105 | 1 | 1 | 1 | | | 1 | | | |
| Woburn, Mass. | 16,076 | 1 | | | | | | | | 1 |
| Worcester, Mass. | 166,106 | 40 | | 1 | | | 1 | | 5 | 2 |
| Yakima, Wash. | 22,058 | | | | | | 1 | | | |
| Yonkers, N. Y. | 103,066 | 12 | 7 | | 1 | | | | 4 | 2 |
| Zanesville, Ohio. | 31,320 | 6 | | | | | | | 1 | |

¹ Population Apr. 15, 1910.

FOREIGN AND INSULAR.

CHILE.

Typhus Fever—March–May, 1920.¹

During the month of March, 1920, 409 cases of typhus fever with 72 fatalities, occurring in 30 cities and towns, were notified in Chile. The greatest incidence was reported in the city of Santiago, viz, 129 cases with 25 fatalities (population of Santiago stated in 1912 to be 332,700). The total number of cases reported as remaining in Chile March 31, 1920, was 165.

During the month of April, 1920, there were reported 298 cases of typhus fever with 49 fatalities, occurring in 11 cities and towns in Chile. The greatest number of cases was reported in the city of Santiago, viz, 88 with 17 fatalities. The number of cases reported as remaining in Chile April 30, 1920, was 155.

During the month of May, 1920, 312 cases of typhus fever with 50 fatalities were reported in 12 cities and towns in Chile. The greatest number of cases was reported in Santiago, viz, 98 with 17 fatalities. On May 31, 1920, there were reported remaining in Chile 246 cases of typhus fever.

CHOSEN (KOREA).

Cholera—Seoul Declared Infected.

Information dated September 8, 1920, shows approximately 13,000 cases of cholera with 5,000 fatalities reported in Chosen (Korea). The port of Seoul was stated to have been declared infected August 27, 1920.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

| Disease. | Aug. 11–21, 1920. | | Remain- ing under treatment Aug. 21, 1920. |
|-------------------------------|-------------------|---------|--|
| | New cases. | Deaths. | |
| Cerebrospinal meningitis..... | | | 2 |
| Chicken pox..... | 1 | | |
| Diphtheria..... | 1 | | 3 |
| Leprosy..... | | | 11 |
| Malaria..... | 31 | | 59 |
| Measles..... | 7 | 1 | 31 |
| Paratyphoid fever..... | | | 1 |
| Scarlet fever..... | 1 | 1 | 7 |
| Smallpox..... | | | 2 |
| Typhoid fever..... | 20 | 4 | 91 |

^a From the interior 43.

^b From abroad 2.

^c From the interior 38.

¹ Public Health Reports, July 30, 1920, p. 1835.

CYPRUS.**Influenza—Summary, 1919.**

During the year 1919, 4,541 cases of influenza were treated at hospitals and dispensaries in the Island of Cyprus, as compared with 4,693 cases reported treated in 1918. (Estimated population, 1919, 311,108; population, 1918, 306,997.)

Trachoma—Year, 1919.

During the year 1919, 465 cases of trachoma were treated in the Island of Cyprus.

MEXICO.**Yellow Fever—Puerto Mexico.**

A case of yellow fever was reported at Puerto Mexico, Mexico, August 28, 1920.

TURKEY.**Influenza—Constantinople.**

During the week ended August 7, 1920, 36 cases of influenza were notified at Constantinople, Turkey.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended Sept. 10, 1920.¹****CHOLERA.**

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------------|-----------------|--------|---------|--|
| China: | | | | |
| Chungking..... | July 11-24..... | ..... | 717 | |
| Chosen (Korea)..... | | | | Sept. 8, 1920: Cases, 13,000; deaths, 5,000 (estimated). |
| Chemulpo..... | Sept. 8..... | 2 | | |

PLAGUE.

| Brazil: | | | | |
|---------------------|--------------------|---|---|---|
| Bahia..... | June 27-July 3.... | 2 | 3 | |
| Chile..... | | | | Mar. 1-May 31, 1920: Cases, 15; deaths, 2. Plague reported in Depts. of Tacna and Tarata. |
| Antofagasta..... | Mar. 1-May 31..... | 7 | 1 | |
| Iquique..... | do..... | 8 | 1 | |
| Greece: | | | | |
| Piræus..... | Aug. 26..... | 2 | | |
| Turkey: | | | | |
| Constantinople..... | July 25-31..... | 3 | 2 | |

SMALLPOX.

| | | | | |
|-----------------------|--------------------|----|----|----------|
| Brazil: | | | | |
| Bahia..... | June 20-26..... | 1 | 1 | |
| Do..... | June 27-July 3.... | 1 | | |
| Canada: | | | | |
| Manitoba— | | | | |
| Winnipeg..... | Aug. 8-21..... | 2 | | |
| Ontario— | | | | |
| Ottawa..... | Aug. 14-28..... | 7 | | |
| Toronto..... | Aug. 1-21..... | 6 | | |
| Windsor..... | Aug. 22-28..... | 3 | | |
| Prince Edward Island— | | | | |
| Charlotte Town..... | Aug. 12-18..... | 1 | | |
| Quebec— | | | | |
| Quebec..... | Aug. 23-28..... | 1 | | |
| China: | | | | |
| Chungking..... | July 11-24..... | | | Present. |
| Chosen (Korea): | | | | |
| Chemulpo..... | June 1-30..... | 10 | 6 | |
| Fusan..... | do..... | 5 | 1 | |
| Seoul..... | do..... | 42 | 18 | |

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

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

Reports Received During Week Ended Sept. 10, 1920—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|-----------------|--------|---------|---|
| Cuba: | | | | |
| Matanzas..... | Aug. 15-21..... | 1 | 1 | 12 cases in Aguacate, 20 miles from Matanzas. |
| Cyprus..... | | | | August, 1919: Cases, 242; deaths, 54. |
| Great Britain: | | | | |
| Glasgow..... | Aug. 8-14..... | 4 | 5 | |
| Italy: | | | | |
| Catania..... | Aug. 2-8..... | 5 | | |
| Mexico: | | | | |
| San Luis Potosi..... | Aug. 16-22..... | | 2 | |
| Portugal: | | | | |
| Lisbon..... | July 11-24..... | | 7 | |
| Tunis: | | | | |
| Tunis..... | Aug. 3-9..... | | 1 | |
| Turkey: | | | | |
| Constantinople..... | July 25-31..... | 1 | | |

TYPHUS FEVER.

| | | | | |
|---------------------|---------------------|-----|----|--------------------------------------|
| Chile..... | | | | |
| Santiago..... | Mar. 1-31..... | 129 | 25 | March, 1920: Cases, 408; deaths, 72. |
| Do..... | Apr. 1-30..... | 88 | 17 | April, 1920: Cases, 208; deaths, 49. |
| Do..... | May 1-31..... | 98 | 17 | May, 1920: Cases, 312; deaths, 50. |
| Chosen: | | | | |
| Chemulpo..... | June 1-30..... | 3 | | |
| Turkey: | | | | |
| Constantinople..... | July 25-Aug. 7..... | 8 | | |

YELLOW FEVER.

| | | | | |
|----------------------|----------------------|---|---|---|
| Guatemala: | | | | |
| Los Amatos..... | | | | Aug. 5-14, 1920: Cases, 9. |
| Mexico: | | | | |
| Puerto Mexico..... | Aug. 28-Sept. 6..... | 1 | 1 | |
| Tuxpan..... | Sept. 1..... | | 2 | |
| Vera Cruz..... | Aug. 29-Sept. 4..... | 4 | | |
| On vessel: | | | | |
| S. S. Soestdijk..... | Sept. 3..... | 1 | 1 | At Quarantine, La., from Vera Cruz, Mexico. |

Reports Received from June 26 to Sept. 3, 1920.

CHOLERA.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------------|---------------------|--------|---------|--------------------------------------|
| Brasil: | | | | |
| Rio de Janeiro..... | June 27-July 3..... | | 1 | |
| China: | | | | |
| Amoy..... | June 20-July 3..... | | 3 | |
| Chungking..... | May 16-24..... | | 1,319 | |
| Do..... | June 6-July 3..... | | 2,173 | |
| Foochow..... | July 11-24..... | | | Present. |
| Hankow..... | July 4-17..... | 12 | 5 | |
| India: | | | | |
| Bombay..... | May 2-June 26..... | 85 | 36 | Apr. 11-May 22, 1920: Deaths, 7,549. |
| Do..... | June 27-July 3..... | 9 | 7 | May 30-June 12, 1920: Deaths, 1,486. |
| Calcutta..... | May 2-June 12..... | 376 | 363 | |
| Madras..... | June 13-19..... | 2 | 1 | |
| Do..... | May 2-June 26..... | 18 | 12 | |
| Rangoon..... | July 4-10..... | 1 | | |
| Indo-China: | | | | |
| Salgon..... | Apr. 26-May 16..... | 56 | 41 | Report for May 9 not received. |
| Do..... | June 7-13..... | 74 | 53 | |

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

Reports Received from June 26 to Sept. 3, 1920—Continued.

CHOLERA—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|---------------------|--------|---------|--|
| Japan: | | | | |
| Kobe..... | June 14-27..... | 36 | 24 | Kobe, June 6-13, 34 cases. Moji, June 6-12, 10 cases. Koc'i, June 6-12, 1 case. Hiroshima, June 6-12, 6 cases. |
| Do..... | June 28-Aug. 7.... | 205 | 127 | |
| Nagasaki..... | June 21-27..... | 7 | ..... |  |
| Do..... | June 28-July 18... | 34 | 13 | |
| Osaka..... | do..... | ..... | ..... |  |
| Taiwan Island..... | May 22-June 20.... | 60 | 33 | |
| Do..... | July 11-20..... | 10 | ..... |  |
| Java: | | | | |
| West Java— | | | | |
| Batavia..... | Apr. 30-June 3.... | 6 | 2 | June 4-17: Present. |
| Do..... | June 25-July 1.... | 1 | ..... |  |
| Philippine Islands: | | | | |
| Manila..... | May 9-June 26.... | 5 | 1 | May 9-June 26, 1920: Cases, 16; deaths, 12. June 27-July 17, 1920: Cases, 63; deaths, 31. |
| Do..... | June 27-July 10.... | 3 | ..... |  |
| Provinces— | | | | |
| Albay..... | May 9-15..... | 2 | 1 | |
| Batangas..... | June 27-July 3.... | 1 | ..... |  |
| Bohol..... | do..... | 1 | 1 | |
| Cagayan..... | May 9-June 26.... | 11 | 19 | |
| Do..... | June 27-July 10.... | 35 | 9 | |
| Iloilo..... | June 27-July 17.... | 3 | ..... |  |
| Isabela..... | July 11-17..... | 5 | 5 | |
| Laguna..... | July 4-10..... | 8 | ..... |  |
| Misamis..... | July 11-17..... | 4 | 2 | |
| Pangasinan..... | July 4-17..... | 6 | 4 | |
| Russia | | | | Reported prevalent in southern Russia, June 4, 1920. |
| Sebastopol (district)..... | June 20..... | | | Reported increasing. |
| Siam: | | | | |
| Bangkok..... | Apr. 25-June 26.... | 542 | 343 | |
| Turkey: | | | | |
| Amassia..... | Dec. 24..... | 1 | ..... | Asiatic Turkey. |
| Kaiserli..... | Dec. 22..... | 1 | ..... |  |
| Karassi..... | Jan. 3..... | 1 | ..... |  |
| Mamuret-ul-Azis..... | Dec. 31..... | 1 | 1 | |
| Panderma..... | Dec.-Jan..... | 16 | 6 | |
| Rodosto..... | Dec. 29..... | 1 | ..... | European Turkey. |
| Smyrna..... | Dec. 22..... | 3 | 2 | |

PLAGUE.

| | | | | |
|-----------------------------|---------------------|-------|-------|--|
| Brazil: | | | | |
| Bahia..... | Apr. 25-May 22.... | 8 | 2 | |
| Pernambuco..... | May 3-9..... | 1 | 1 | |
| Porto Alegre..... | June 27-July 10.... | ..... | 1 | |
| British East Africa: | | | | |
| Kisumu..... | Apr. 25-June 26.... | 14 | 12 | |
| Mombasa..... | Apr. 25-June 10.... | 88 | 74 | |
| Nairobi..... | do..... | 14 | 8 | |
| Ceylon: | | | | |
| Colombo..... | May 25-June 12.... | 7 | 2 | |
| Do..... | June 27-July 10.... | 3 | 3 | |
| Chile: | | | | |
| Antofagasta..... | May 17-June 20.... | 5 | ..... |  |
| Do..... | July 5-11..... | 1 | ..... |  |
| China: | | | | |
| Amoy..... | June 20-July 3.... | ..... | 1 | |
| Hongkong..... | Apr. 4-June 26.... | 90 | 70 | |
| Do..... | June 27-July 10.... | 12 | 10 | |
| Egypt: | | | | Jan. 1-July 15, 1920: Cases, 387; deaths, 227. |
| Cities— | | | | |
| Alexandria..... | June 18-July 29.... | 7 | 6 | |
| Suez..... | May 13-June 8.... | 12 | 6 | 3 cases pneumonic. |
| Do..... | July 3-13..... | 3 | 3 | |
| Provinces— | | | | |
| Assiout..... | May 15-June 5.... | 7 | 4 | |
| Do..... | July 2-14..... | 6 | ..... |  |
| Beni-Souef..... | July 7-10..... | 2 | 1 | |
| Fayoum..... | June 5..... | 1 | ..... |  |
| Garbleh..... | do..... | 1 | ..... |  |
| Do..... | July 1-12..... | 14 | 10 | |

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

Reports Received from June 26 to Sept. 3, 1920—Continued.

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|------------------------|----------------------|--------|---------|---|
| Egypt—Continued. | | | | |
| Provinces—Continued. | | | | |
| Keneh..... | May 18..... | 1 | ..... | Septicemic. |
| Mariut..... | May 18-June 8..... | 19 | 22 | |
| Do..... | July 3-9..... | 1 | 2 | |
| Minieh..... | May 15..... | 2 | 1 | |
| Do..... | July 13..... | 1 | ..... |  |
| Great Britain: | | | | |
| Liverpool..... | June 20-26..... | 1 | 1 | |
| Greece: | | | | |
| Cavalla..... | July 5-Aug. 21..... | 3 | ..... |  |
| Dante..... | July 22..... | 2 | ..... |  |
| Nauplia..... | Aug. 21..... | 2 | ..... |  |
| Piræus..... | June 29-Aug. 26..... | 6 | 1 | |
| India..... | | | | Apr. 18-June 26, 1920: Cases, 12,476; deaths, 9,961. June 27-July 3, 1920: Cases, 594; deaths, 454. |
| Bombay..... | Apr. 18-June 26..... | 152 | 124 | |
| Do..... | June 27-July 3..... | 12 | 9 | |
| Calcutta..... | May 2-June 12..... | 26 | 19 | |
| Karachi..... | May 9-July 10..... | 63 | 56 | |
| Madras Presidency..... | do..... | 648 | 346 | |
| Rangoon..... | Apr. 25-June 26..... | 120 | 112 | |
| Indo-China: | | | | |
| Saigon..... | May 10-16..... | 1 | 1 | |
| Do..... | June 7-13..... | 8 | 1 | |
| Italy: | | | | |
| Catania..... | June 22-July 3..... | 3 | 2 | |
| Java: | | | | |
| East Java..... | Apr. 23-May 5..... | 7 | 7 | |
| Mesopotamia: | | | | |
| Bagdad..... | June 1-30..... | 6 | 3 | |
| Mexico: | | | | |
| Tampico..... | July 26-Aug. 16..... | 3 | 3 | Apr. 15-June 16, 1920: Cases, 8; deaths, 8, Surabaya Residency. |
| Vera Cruz..... | June 14-20..... | 11 | 1 | May 29-July 24, 1920: Cases, 49; deaths, 29. |
| Do..... | July 18-24..... | 2 | 2 | Mar. 1-31, 1920: Cases, 46; deaths, 29. Apr. 1-30, 1920: Cases, 36; deaths, 13. In coastal departments. |
| Peru: | | | | |
| Callao..... | Mar. 1-31..... | 6 | 3 | |
| Do..... | Apr. 1-30..... | 9 | 4 | |
| Lima (city)..... | Mar. 1-31..... | 5 | 3 | |
| Do..... | Apr. 1-30..... | 4 | 4 | |
| Lima (country)..... | Mar. 1-31..... | 1 | 1 | |
| Do..... | Apr. 1-30..... | 1 | ..... |  |
| Mollendo..... | Mar. 1-31..... | 13 | 9 | |
| Paita..... | do..... | 5 | 2 | |
| Do..... | Apr. 1-30..... | 2 | ..... |  |
| Salaverry..... | Mar. 1-31..... | 4 | 3 | |
| Do..... | Apr. 1-30..... | 1 | ..... |  |
| San Pedro..... | do..... | 6 | 1 | |
| Trujillo..... | May 31-June 29..... | 3 | 2 | |
| Siam: | | | | |
| Bangkok..... | Apr. 25-May 1..... | 3 | 3 | |
| Do..... | May 9-June 5..... | 5 | 2 | |
| Straits Settlements: | | | | |
| Singapore..... | Apr. 25-June 19..... | 14 | 13 | |
| Syria: | | | | |
| Beirut..... | June 30..... | ..... | ..... | Present. |

SMALLPOX.

| | | | | | |
|---------------------|----------------------|-----|-------|--|--|
| Algeria: | | | | | |
| Departments— | | | | | |
| Algiers..... | May 11-July 20..... | 42 | ..... | City of Algiers, Apr. 1-30, 1920: One case. | |
| Constantine..... | June 1-July 20..... | 11 | ..... |  |  |
| Oran..... | May 11-July 20..... | 114 | ..... |  |  |
| Azores: | | | | | |
| Ponta Delgada..... | July 17-23..... | 3 | ..... |  |  |
| Bolivia: | | | | | |
| La Paz..... | May 2-31..... | 6 | 8 | | |
| Brazil: | | | | | |
| Bahia..... | Apr. 25-June 12..... | 4 | 4 | | |
| Pernambuco..... | Mar. 29-May 2..... | 79 | 2 | | |
| Rio de Janeiro..... | Apr. 11-June 26..... | 30 | 6 | | |
| Do..... | June 27-July 10..... | 12 | 1 | | |
| Santos..... | Mar. 24-28..... | 1 | ..... |  |  |

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

Reports Received from June 26 to Sept. 3, 1920—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|------------------------|----------------------|--------|---------|--|
| British East Africa: | | | | |
| Mombasa..... | May 2-22..... | 2 | 1 | |
| Nairobi..... | May 23-June 19..... | 10 | 1 | |
| Bulgaria: | | | | |
| Sofia..... | July 11-17..... | 1 | | |
| Canada: | | | | |
| Alberta— | | | | |
| Calgary..... | June 3-9..... | 1 | | |
| Do..... | July 4-Aug. 7..... | 5 | | |
| British Columbia— | | | | |
| Vancouver..... | May 16-July 10..... | 3 | | |
| Manitoba— | | | | |
| Winnipeg..... | May 29-June 5..... | 3 | | |
| New Brunswick— | | | | |
| Gloucester County..... | May 31-June 26..... | 5 | | |
| Campbelltown..... | July 1-31..... | 7 | | |
| Queens County..... | July 4-10..... | 5 | | |
| Nova Scotia— | | | | |
| Halifax..... | July 4-10..... | 2 | | |
| Sydney..... | May 31-June 26..... | 2 | | |
| Ontario— | | | | |
| Cornwall..... | June 25-30..... | 2 | | |
| Fort William..... | July 25-Aug. 14..... | 2 | | |
| Hamilton..... | June 13-Aug. 7..... | 3 | | |
| Kingston..... | May 31-June 19..... | 4 | | |
| North Bay..... | June 23-29..... | 1 | | |
| Do..... | July 11-17..... | 2 | | |
| Do..... | July 25-31..... | 2 | | |
| Ottawa..... | June 6-26..... | 32 | | |
| Do..... | June 27-Aug. 7..... | 35 | | |
| Peterborough..... | Apr. 18-July 31..... | 33 | 1 | |
| Port Arthur..... | July 11-17..... | 2 | | |
| Prescott..... | do..... | 1 | | |
| Do..... | Aug. 1-14..... | | | Present at Cardinal and Brockville. |
| Toronto..... | June 6-19..... | 13 | | |
| Do..... | June 26-July 31..... | 18 | | |
| Quebec— | | | | |
| Montreal..... | June 13-19..... | 1 | | |
| Do..... | July 4-Aug. 7..... | 4 | | |
| Quebec..... | June 27-Aug. 7..... | 2 | | |
| Saskatchewan— | | | | |
| Moosejaw..... | June 26-30..... | 6 | | |
| Do..... | July 25-Aug. 7..... | 1 | | |
| Regina..... | June 26-30..... | 1 | | |
| Ceylon: | | | | |
| Colombo..... | May 9-June 5..... | 2 | | |
| Chile: | | | | |
| Antofagasta..... | May 17-23..... | | | 1 case in interior. |
| China: | | | | |
| Amoy..... | May 2-July 3..... | | 12 | |
| Antung..... | May 9-June 13..... | 3 | 3 | |
| Do..... | June 21-27..... | 1 | | |
| Chungking..... | May 2-June 5..... | | | Present. |
| Foochow..... | May 9-29..... | | | Do. |
| Hankow..... | June 20-26..... | 2 | | |
| Hongkong..... | Apr. 4-June 26..... | 19 | 15 | |
| Do..... | June 27-July 10..... | 1 | 1 | |
| Mukden..... | July 19-25..... | | | Do. |
| Nanking..... | May 9-June 5..... | | | Do. |
| Do..... | July 4-24..... | | | Prevalent. |
| Tientsin..... | May 25-31..... | 2 | | |
| Do..... | June 13-19..... | 2 | | |
| Tsinanfu..... | May 9-15..... | 1 | | |
| Chosen (Korea): | | | | |
| Chemulpo..... | Mar. 1-June 30..... | 69 | 40 | |
| Fusan..... | do..... | 24 | 6 | |
| Seoul..... | do..... | 358 | 86 | |
| Colombia: | | | | |
| Barranquilla..... | May 16-July 3..... | | | Epidemic. |
| Santa Marta..... | May 31-July 17..... | | | Endemic. |
| Cuba: | | | | |
| Habana..... | July 4..... | 1 | | From steamship Frank Henniss from Jamaica. Arrived Santiago June 30, 1920. |
| Matanzas..... | Aug. 1-7..... | 12 | | In vicinity, at Aguacate. |
| Czechoslovakia: | | | | |
| Moravia..... | Feb. 1-23..... | 68 | | |

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

Reports Received from June 26 to Sept. 3, 1920—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|---------------------|--------|---------|---|
| Danzig..... | June 20-July 17... | 9 | 2 | |
| Egypt: | | | | |
| Alexandria..... | May 14-June 29... | 53 | 19 | |
| Do..... | June 25-July 15... | 9 | 3 | |
| Cairo..... | Apr. 2-May 20..... | 45 | 13 | |
| Port Said..... | do..... | 18 | 7 | |
| France: | | | | |
| Brest..... | May 15-21..... | 1 | ..... |  |
| Cotte..... | June 24-30..... | ..... | 1 | |
| Paris..... | May 1-10..... | 3 | ..... |  |
| Germany..... | | | | Feb. 22-June 12, 1920: Cases, 720. |
| Great Britain: | | | | |
| Glasgow..... | May 25-June 26.... | 136 | 22 | |
| Do..... | July 4-Aug. 7..... | 124 | 29 | |
| Liverpool..... | July 18-24..... | 1 | ..... |  |
| London..... | June 13-July 10.... | 14 | ..... |  |
| Greece: | | | | |
| Saloniki..... | May 31-June 27.... | 4 | 1 | |
| India..... | | | | Apr. 11-May 22, 1920: Deaths, 7,743. May 30-June 12, 1920: Deaths, 1,197. |
| Bombay..... | Apr. 26-June 26.... | 103 | 45 | May 9-15, 1920: Cases, 26; deaths, 11. |
| Do..... | June 27-July 3..... | 12 | 4 | |
| Calcutta..... | May 2-June 12..... | 101 | 93 | |
| Karachi..... | May 9-June 26..... | 15 | 12 | |
| Do..... | June 27-July 10.... | 7 | 4 | |
| Madras..... | May 9-June 26..... | 27 | 15 | |
| Do..... | June 27-July 10.... | 12 | 2 | |
| Rangoon..... | Apr. 25-June 26.... | 35 | 14 | |
| Indo-China: | | | | |
| Saigon..... | May 10-16..... | 7 | 2 | |
| Do..... | June 7-13..... | 5 | 1 | |
| Italy: | | | | |
| Catania..... | July 12-25..... | 18 | ..... |  |
| Genoa..... | May 17-23..... | 12 | ..... | In Province. |
| Do..... | June 14-27..... | 20 | ..... |  |
| Do..... | June 28-July 4..... | 3 | ..... |  |
| Messina..... | May 10-June 27.... | 7 | 1 | Province, May 10-June 27: Cases, 163; deaths, 27. |
| Do..... | June 28-July 11.... | 1 | 1 | Province: Cases, 9; deaths, 3. |
| Milan..... | Mar. 1-May 31..... | 30 | 5 | |
| Naples..... | May 23-June 20.... | 7 | 3 | |
| Palermo..... | May 11-July 15.... | 23 | 3 | |
| Trin..... | June 28-July 4..... | 1 | ..... |  |
| Jamaica: | | | | |
| Kingston..... | July 22..... | ..... | ..... | Present. |
| Japan: | | | | |
| Kobe..... | May 9-June 27.... | 10 | 5 | |
| Do..... | June 28-July 18.... | 7 | 2 | |
| Taiwan Island..... | May 1-June 20..... | 40 | 11 | |
| Do..... | June 5-July 20..... | 14 | 8 | |
| Tokyo..... | Apr. 21-May 10.... | 5 | 4 | |
| Java: | | | | |
| West Java..... | | | | Apr. 16-June 24, 1920: Cases, 56; deaths, 10. June 25-July 1, 1920: Cases, 6. |
| Batavia..... | Apr. 16-June 17.... | 94 | 26 | |
| Madaira: | | | | |
| Funchal..... | June 20-26..... | ..... | 2 | |
| Do..... | July 18-24..... | ..... | ..... | Present. |
| Malta..... | May 1-June 30..... | ..... | 3 | |
| Manchuria: | | | | |
| Mukden..... | May 2-8..... | ..... | ..... | Do. |
| Mexico: | | | | |
| Ciudad Juarez..... | Aug. 2-8..... | 1 | ..... |  |
| Guadalajara..... | May 1-31..... | 1 | ..... |  |
| Do..... | July 1-31..... | 3 | ..... |  |
| Laredo..... | July 30..... | 2 | ..... |  |
| Mazatlan..... | May 19-25..... | ..... | 1 | |
| Salina Cruz..... | June 1-30..... | 5 | 3 | |
| San Luis Potosi..... | May 31-June 6..... | ..... | 1 | |
| Do..... | June 28-Aug. 15.... | ..... | 4 | |
| Tampico..... | July 1-31..... | ..... | 5 | |
| Newfoundland: | | | | |
| St. Johns..... | June 5-11..... | 3 | ..... | Reported at 2 other localities. |
| Shoal Harbor..... | July 10-16..... | 7 | ..... | July 3-16: Present at 4 localities. |
| Poland: | | | | Jan. 1-31, 1920: Cases, 1,895; deaths, 301. |
| Minsk District..... | Jan. 1-31..... | 1,052 | 228 | |

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

Reports Received from June 26 to Sept. 3, 1920—Continued.

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---------------------|----------------------|--------|---------|----------|
| Porto Rico: | | | | |
| Caguas..... | Aug. 9-15..... | 1 | ..... |  |
| Portugal: | | | | |
| Lisbon..... | May 16-June 28..... | ..... | 8 | |
| Do..... | June 27-July 3..... | ..... | 2 | |
| Russia: | | | | |
| Vladivostok..... | Jan. 1-June 30..... | 252 | 78 | |
| Spain: | | | | |
| Barcelona..... | May 19-June 12..... | ..... | 4 | |
| Do..... | June 13-July 28..... | 8 | 7 | |
| Corunna..... | July 16-29..... | ..... | 1 | |
| Valencia..... | May 23-June 26..... | 15 | 3 | |
| Do..... | July 4-24..... | 9 | 2 | |
| Vigo..... | May 31-June 26..... | ..... | 4 | |
| Do..... | July 18-24..... | ..... | 1 | |
| Switzerland: | | | | |
| Geneva..... | May 9-15..... | 7 | ..... |  |
| Tunis: | | | | |
| Tunis..... | May 25-Aug. 2..... | ..... | 17 | |
| Turkey: | | | | |
| Constantinople..... | May 16-June 19..... | 7 | ..... |  |
| Do..... | June 23-July 3..... | 4 | ..... |  |

July 25-31: Present.

TYPHUS FEVER.

| | | | | | |
|---------------------|----------------------|-------|-------|--|---|
| Algeria: | | | | | |
| Departments— | | | | | |
| Algiers..... | May 11-July 21..... | 37 | ..... |  |  |
| Constantine..... | May 21-July 21..... | 9 | ..... |  |  |
| Oran..... | May 11-July 21..... | 323 | ..... |  |  |
| Austria..... | | | | | Feb. 15-Mar. 15, 1920: Cases, 60. |
| Vienna..... | Feb. 15-May 23..... | 58 | ..... |  |  |
| Bolivia: | | | | | |
| La Paz..... | May 2-31..... | ..... | 5 | | |
| Brazil: | | | | | |
| Ceara..... | Apr. 25-May 1..... | ..... | 2 | | |
| Bulgaria: | | | | | |
| Sofia..... | June 20-25..... | 2 | ..... |  |  |
| Chile: | | | | | |
| Antofagasta..... | July 5-11..... | ..... | ..... |  | Present. |
| Caleta Coloso..... | May 10-16..... | ..... | 2 | | |
| Concepcion..... | Mar. 8-June 28..... | 31 | 39 | | |
| Do..... | June 29-July 12..... | 37 | 5 | | |
| Valparaiso..... | May 2-July 17..... | ..... | 50 | | |
| China: | | | | | |
| Antung..... | July 12-18..... | 1 | ..... |  |  |
| Chosen: | | | | | |
| Seoul..... | Mar. 1-Apr. 30..... | 4 | 1 | | |
| Czechoslovakia..... | | | | | Feb. 1-28, 1920: Cases, 88; deaths, 7. |
| Leipnik..... | Feb. 22-28..... | 1 | ..... |  | Quarantine station. |
| Danzig..... | June 23-26..... | 1 | ..... |  | Feb. 27-Mar. 27, 1920: Cases, 16. |
| Do..... | July 25-31..... | 1 | 1 | | |
| Egypt: | | | | | |
| Alexandria..... | May 7-June 24..... | 338 | 86 | | |
| Do..... | June 25-July 29..... | 112 | 44 | | |
| Cairo..... | Apr. 2-May 20..... | 565 | 202 | | |
| Port Said..... | Apr. 9-May 13..... | 112 | 52 | | |
| Germany..... | | | | | Feb. 22-Mar. 27, 1920: Cases, 23. |
| | | | | | Among troops, 4; among persons from Poland, 8. Mar. 28-June 2, 1920: Cases, 86. |
| Great Britain: | | | | | |
| Dublin..... | May 23-June 19..... | 3 | 1 | | |
| Dundee..... | July 4-10..... | 1 | ..... |  |  |
| Glasgow..... | May 30-June 5..... | ..... | 1 | | |
| Greece: | | | | | |
| Athens..... | June 27-July 3..... | ..... | 2 | | |
| Drama..... | July 12-18..... | 1 | ..... |  |  |
| Patras..... | June 29-July 4..... | ..... | 1 | | |
| Piræus..... | June 29-July 5..... | ..... | 1 | | |
| Saloniki..... | Apr. 12-27..... | 384 | 42 | | |
| Do..... | June 28-July 18..... | 70 | 16 | | |
| Hungary..... | | | | | Jan. 10-May 9, 1920: Cases, 48. |
| Budapest..... | Jan. 10-May 9..... | 25 | ..... |  |  |

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

Reports Received from June 26 to Sept. 3, 1920—Continued.

TYPHUS FEVER—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|---------------------|--------|---------|---|
| Italy: | | | | |
| Catania..... | July 10-17..... | 3 | ..... |  |
| Trieste..... | May 16-22..... | 5 | ..... |  |
| Do..... | June 13-July 3..... | 12 | 2 | |
| Japan: | | | | |
| Nagasaki..... | May 25-30..... | 1 | ..... |  |
| Do..... | June 21-27..... | 1 | ..... |  |
| Java: | | | | |
| East Java— | | | | |
| Surabaya..... | June 10-16..... | 1 | ..... |  |
| West Java— | | | | |
| Batavia..... | May 28-June 30... | 5 | 1 | |
| Mexico: | | | | |
| Chihuahua..... | May 31-June 6..... | ..... | 1 | |
| Nogales..... | Aug. 9-14..... | 2 | ..... |  |
| San Luis Potosi..... | June 8-July 8..... | ..... | ..... | Present. |
| Do..... | July 2-Aug. 15..... | ..... | 2 | |
| Poland..... | | | | Jan. 1-Mar. 31, 1920: Cases, 87, 910; deaths, 19,733. |
| Warsaw..... | | | | Jan. 1-Feb. 29, 1920: Cases, 911; deaths, 117. |
| Sertia..... | | | | Mar. 14-Apr. 10, 1920: Cases, 181; deaths, 23. |
| Portugal: | | | | |
| Oporto..... | Apr. 4-June 24.... | 15 | 6 | |
| Siberia: | | | | |
| Vladivostok..... | May 1-31..... | 22 | 2 | Jan. 1-Apr. 30, 1920: Cases, 1,264; deaths, 144. |
| Spain: | | | | |
| Barcelona..... | July 9-15..... | ..... | 1 | |
| Madrid..... | June 1-30..... | ..... | 1 | |
| Switzerland: | | | | |
| Geneva..... | June 28-July 4..... | 1 | ..... |  |
| Tunis: | | | | |
| Tunis..... | May 24-June 27... | 36 | 18 | |
| Do..... | July 6-12..... | ..... | 1 | |
| Turkey: | | | | |
| Constantinople..... | May 16-June 12..... | 27 | ..... |  |
| Do..... | June 19-July 19... | 15 | ..... |  |
| Venezuela: | | | | |
| Maracaibo..... | July 21-27..... | ..... | 1 | |

YELLOW FEVER.

| | | | | |
|-------------------|--------------------|-------|-------|--|
| Brazil: | | | | |
| Bahia..... | May 23-June 19... | 1 | ..... |  |
| Colombia: | | | | |
| Buenaventura..... | June 3..... | 1 | 1 | |
| Guatemala: | | | | |
| Los Amatos..... | Aug. 5-11..... | 3 | 3 | Aug. 17: Present at several localities. |
| Mexico: | | | | |
| Progreso..... | July 30..... | 1 | ..... |  |
| Do..... | Aug. 4-18..... | 4 | 2 | July 30-Aug. 18, 1920: Cases, 5; deaths, 3. |
| Tampico..... | Aug. 10-16..... | ..... | ..... |  |
| Vera Cruz..... | June 22..... | ..... | 19 | |
| Do..... | July 19-Aug. 20... | 37 | 2 | |
| Peru..... | | | | Mar. 1-31, 1920: Cases, 128. Apr. 1-30, 1920: Cases, 64. |
| Callao..... | Apr. 1-30..... | 1 | ..... | At quarantine station. From S. S. Huallaga. |
| Catacaos..... | Mar. 1-31..... | 14 | ..... |  |
| Do..... | Apr. 1-30..... | 2 | ..... |  |
| La Huaca..... | Mar. 1-31..... | 9 | ..... |  |
| Do..... | Apr. 1-30..... | 5 | ..... |  |
| Morropón..... |do..... | 37 | ..... |  |
| Munucella..... | Mar. 1-31..... | 12 | ..... |  |
| Paíta..... |do..... | 81 | ..... |  |
| Do..... | Apr. 1-30..... | 14 | ..... |  |
| Piura..... | Mar. 1-31..... | 1 | ..... |  |
| Do..... | Apr. 1-30..... | 4 | ..... |  |
| Salitral..... | Mar. 1-31..... | 2 | ..... |  |
| Sullana..... |do..... | 9 | ..... |  |
| Do..... | Apr. 1-30..... | 1 | ..... |  |
| Es sador: | | | | |
| Armenia..... | June 20-26..... | 1 | 1 | |
| Bonsonate..... | May 22-June 24... | 49 | 17 | |