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## INDICES OF NUTRITION.

**THE APPLICATION OF CERTAIN STANDARDS OF NUTRITION TO 506 NATIVE WHITE CHILDREN WITHOUT PHYSICAL DEFECTS AND WITH "GOOD" OR "EXCELLENT" NUTRITION AS JUDGED FROM CLINICAL EVIDENCE.<sup>1</sup>**

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The search for a practicable and dependable, yet simple, index of physical fitness has been given much emphasis in the last few years. The desire for such an index is a natural one, and the need for it is felt to an increasing degree. As greater attention is being given to the supervision of large groups of persons, such as school children and industrial employees, and greater interest is being taken by the individual in his own health, the advantages of some easy but fairly accurate method of determining whether or not an individual is in good health are more widely recognized and urged.

The search has been conducted in more than one direction, and several kinds of indices of physical fitness have been proposed. Some have already been used widely and others are being suggested and discussed. The demand for an adequate index is now so widespread and the need for it so obvious that attempts are being made to establish some sort of uniformity in the various indices already in use, especially for children, by securing agreement among students of the question and among those who use indices of physical fitness in health administrative work. As a contribution to the scientific as well as to the practical phases of the question, a comparative study of several of the more widely known methods of assessing physical fitness has suggested itself to the writers in the course of their inquiries. The present paper, therefore, is an attempt to make such a comparison from the point of view of actual results of applying different indices to a single group of children. The comparison is, in a sense, a test of the practical application of these methods, and the results here presented constitute another stage in a series of

<sup>1</sup> From Field Investigations in Child Hygiene, United States Public Health Service, in cooperation with the Statistical Office, United States Public Health Service. This is the third article in a series on weight and height of school children.

studies conducted by the Child Hygiene and Statistical Offices of the United States Public Health Service.

Before entering into a description of the method of the present study and the presentation of its results, a brief orientation in the general situation regarding the scope, use, and nature of the various indices now employed or proposed seems pertinent.

It appears fairly well recognized, at least by those who are not over-enthusiastic over some particular method, that the proper function of an index of physical fitness must be within well-defined limits. So far as its use can be defined at present, an index of this nature can not be expected to do more than to tell accurately whether or not the individual's condition of health is satisfactory; it can not, in cases where an unsatisfactory condition of health exists, be expected to diagnose the cause. It may in some cases suggest the nature of the cause, provided the index itself takes into account certain specific conditions which are at the same time well-recognized symptoms of more or less specific complaints, defects, or diseases. But, generally speaking, the most that can be hoped for in an efficient index of physical fitness is nothing more than a means of separating the physically well in a group of persons, such as school children or industrial employees, from those who are not well or who probably are not well. Those who are left in the latter category must be more carefully examined by medically trained inspectors and kept under observation for such treatment or supervision as may be advisable. Moreover, to go a step further, it should be expected of such an index that it can be applied by persons of average intelligence and some elementary training in hygiene, but not necessarily with medical training, to separate the children in good health from those in need of attention, and thus permit of frequently repeated wholesale health inspections at reasonable expense. Finally, it is greatly desired that an index of this kind should be capable of numerical expression for purposes of accuracy, ease in use, and greater applicability and appeal in health administration.

With this general objective in mind, the search for an index of physical fitness may be said to have been conducted so far chiefly along three lines which, briefly, may be summarized as follows:

(1) To grade the subject according to several more or less well-defined and well-recognized signs of health. The first definite product of the search in this direction was the now well-known Dunfermline scale. While some modifications of the Dunfermline scale have been suggested, no considerable further progress has been made in developing a scale which, by empirical methods, might give proper values to various easily observed indications of ill-health or of health, and make possible a system of grading that, after repeated tests upon different classes and groups of individuals,

would afford a practicable and accurate index. It safely may be ventured that the possibilities of developing an index along these lines have not been fully explored.

(2) To use the variation in a *single* physical characteristic as a measure of physical fitness. The specific characteristic which has been almost exclusively employed is *weight*. First applied (in the sense of increment of weight) for judging the development and health of infants, it was next applied to adults and children, although differently. Since it was soon found that normal children differed in weight according to sex and age, the attempt was made to take into account these two variables. More recently it has been urged that children, as well as adults, differ normally with respect to "type of build," and an attempt has been made to set up "standard" or "normal" weights of children of different "types of build," and of different sexes and ages. In fact, even further refinements are being suggested. Since any such "standard" or "normal" weight is, of necessity, an average unless refinements are carried to an impossible degree, the further suggestion is made that a certain amount of deviation from the average should be allowed to take care of variations that do not indicate ill health, but which actually occur among healthy individuals. Obviously, if a suggestion of this sort is to be carried out in a scientific manner, it is equally as important to determine the limits of this "zone," as it has been termed, of normal variability from a given average as it is to determine the average itself. Our own studies have suggested quite clearly that even for healthy children the variability in weight differs in a marked degree according to sex and age, and it would appear necessary to delimit normal variation for each sex, age, and other groups. So far, the suggestions as to the limits of these zones appear to have been based upon opinion rather than upon investigation, and do not take into account the variables mentioned.

(3) To employ the variations in more than one physical characteristic, such as weight, sitting height (stem-length), chest circumference and vital (lung) capacity, either (a) in relation to each other for the purpose of establishing an index of build, for example, or (b) in some combination, as an index of physical fitness. Of the last named, the method proposed by Dreyer<sup>2</sup> is at present the most elaborate. The possibilities in this direction would appear to be numerous and suggestive.

In a sense, some of the indices offered embody more than one of the principles suggested in the foregoing. For example, in Taylor's<sup>3</sup> idea of taking "type of build" into consideration, children would

<sup>2</sup> Georges Dreyer and George F. Hanson: *The Assessment of Physical Fitness*. Cassell & Co., Ltd., London, 1920.

<sup>3</sup> Charles K. Taylor: *Physical Standards for Boys and Girls*. The Academy Press, Orange, N. J., 1922.

first be classified according to type of build and then judged according to their deviation from the specific average or normal zone of variation set up for that type of build. Again, before applying standard weight as calculated from vital capacity, Dreyer would classify the individual according to some characteristic, such as activity, occupation, etc. Without entering at this time into a discussion of the principles involved, it may be mentioned that the obvious objection to such a procedure is that any conclusion based on numerical deviations (unless the deviations are extraordinary, in which case the need for any index is doubtful) from an average is likely to be misleading when the subject has been previously classified according to the observer's impression or according to so vague a distinction as occupation.

This paper is not concerned with indices of physical fitness, based on laboratory examination of blood, excreta, etc., reactions to various stimuli, and the like.

In the present study, three well-known indices of nutrition in which *weight* is the physical characteristic primarily employed as the measure of health or, conversely, of deviations from health have been selected for test and comparison. In general, the procedure was as follows: (1) To select children who, upon a detailed physical examination by experienced medical men, were found to be without defect or evidence of disease, as the basic or experimental (from the statistical point of view) group; (2) to apply each of the three indices to the individuals within this group; (3) to compare the results of the application of the three indices, in order to ascertain how far they agree. In the selection of the basic group of children, a further limitation was introduced, namely, all children who, even without physical defect or evidence of disease, were graded upon the basis of clinical evidence as "fair," "poor," and "very poor" in nutrition were excluded. Since two classes of gradation according to nutrition ("good" and "excellent") were included, the results of the study suggest in some degree the applicability of a modified Dunfermline scale. It was assumed, at the beginning of this study, that any satisfactory standard of physical fitness should work in two ways: it should include all or very nearly all of a group of children who, judged by the best standard available (a careful examination by qualified medical inspectors experienced in this particular work), are found beyond reasonable question to be in a satisfactory, if not superior, condition of health; and, conversely, it should not include any large proportion of a group which, by the same method, is found to be in ill health. The principle of the test would appear to be more than fair, since all "border-line" cases are excluded from consideration.

The present study deals only with the first application of the test outlined above, namely, the ability of selected standards to include within their limits of normality children who, on medical examination, have been found free from defect and in satisfactory physical condition. The other application is reserved for further study.

### I. STANDARDS OF NUTRITION SELECTED.

For the purpose of this study, three standards were selected for examination and comparison, as follows:

1. The first standard considered is that devised by Dr. Thomas D. Wood.<sup>4</sup> This standard is too well known and too widely used in school health work in the United States to require much explanation here. It consists of average weights of children of each sex, by age and standing height. In the application of this standard, a variation of 10 per cent below the average is usually classed as normal, but anything under this point is said to indicate malnutrition.

2. The second standard considered in this study is one devised by Georges Dreyer.<sup>5</sup> According to this standard, a person of a certain trunk length (sitting height) should weigh a certain amount. Similarly a person of a certain chest circumference (at rest) should weigh a certain amount. To determine the normal weight of a given individual, average the weights for the trunk length and for the chest circumference of that person as given in Dreyer's tables. Age is not considered, the tables being prepared for males and females to apply to any age.<sup>6</sup> According to Dreyer, the following scale classifies persons as to underweight:

Deviation of 5 to 10 per cent, possibly abnormal.

Deviation of 10 to 15 per cent, probably abnormal.

Deviation of 15 per cent or more, certainly abnormal.

3. The third standard for comparison is that of Pirquet,<sup>7</sup> according to which the cube root of ten times the weight in grams divided

<sup>4</sup> Right Height and Weight for Boys and Girls. Prepared by Dr. Thomas D. Wood.

<sup>5</sup> See footnote 2, p. 1241.

<sup>6</sup> The method described above as Dreyer's standard applies only to *weight*; that is, the tables so used are to indicate whether the weight is normal. Dreyer also has a standard of *physical fitness* which is based on vital capacity in relation to weight, trunk length (sitting height), and chest circumference at rest. Tables are given to show the normal vital capacity for persons of different trunk lengths and chest circumferences. Tables are also given to show the normal vital capacities for each weight. If the person is of normal weight, reference is made to the latter tables to find his normal vital capacity. If, however, the person is above or below normal weight, the procedure specified is to look up the vital capacity corresponding to the trunk length of the given individual and the vital capacity corresponding to the chest circumference. These two are averaged to find the normal vital capacity.

For the purpose of vital capacity norms, persons are classified into classes A, B, and C; class A having the highest vital capacity and class C the lowest. Athletes and other active persons are put in class A, whereas clerks are put in class C. However, the classification does not seem to be made purely on the basis of activity. But Dreyer indicates that elementary school children belong in class C.

The application of this standard of physical fitness was not attempted at this time, owing to the absence of necessary data which is now being assembled and will be presented in a future study.

<sup>7</sup> An outline of the Pirquet System of Nutrition. By Clemens Pirquet. W. B. Saunders, Philadelphia and London, 1922.

by the sitting height in centimeters should equal 100 in a normal child. To put it in the form of an equation:

$$\frac{\sqrt[3]{10 \times \text{Weight in grams}}}{\text{Sitting height in centimeters}} = 100$$

The resulting figures (100 in normal persons) are called "pelidisi," a word coined by Pirquet to denote the nutritional status of individuals. To work out this formula for each child would become laborious, but tables have been prepared showing the pelidisi for each centimeter of sitting height and each weight.<sup>8</sup> Sex and age are not considered, the table applying to either sex of any age.<sup>9</sup>

	Sanguis (blood).	Crassitudo (fat).	Turgor (water).	Muscularis (muscle).	
i	Si	cri	ti	mi	Greatly increased.
e	Se	cre	te	me	Moderately increased.
a	Sa	cra	ta	ma	Normal.
o	So	cro	to	mo	Moderately decreased.
u	Su	cru	tu	mu	Greatly decreased.

## II. APPLICATION OF STANDARDS TO INDIVIDUAL CHILDREN.

The children used in this study were selected from a large group of children after physical examination. The physical examination and nutrition classification were made by medical officers of the United States Public Health Service. Certain special physical measurements were made of selected children who were free from physical defects and in good health. The special measurements comprised the taking of the standing height, sitting height, weight, chest circumference, and certain other measurements not considered in this study. The children were measured in all cases without shoes and dressed only in light indoor clothing or underclothes. At the same time the nutrition of the child, as judged from clinical evidence, was set down by the examining medical officer as "excellent," "good," "fair," "poor," or "very poor."

In order to eliminate the personal equation of individual examiners, certain precise instructions were prepared for their guidance. The instructions for grading nutrition were as follows:

Check the child's nutrition as excellent, good, fair, poor, or very poor. This should be done after the outer clothing has been removed and without reference to existing standards of height and weight. Judge nutrition by general appearance, activity,

<sup>8</sup> The table for determining pelidisi used in this study is that given by William E. Carter in an article on "The Pirquet System of Nutrition and Its Applicability to American Conditions," which appeared in the Journal of the American Medical Association, Vol. 77, No. 20, pp. 1541-46 (November 12, 1921). After the appearance of Pirquet's book this table was compared with the one given by him. The two tables agreed, except for a few obviously typographical errors and slight differences which did not in any way affect the results of this study.

<sup>9</sup> In order to supplement the pelidisi table, Pirquet standardized the method of physical examination of the child and classified the results under four headings: Sanguis, Crassitudo, Turgor, and Muscularis. He used the vowels, a to indicate normality, and e, i, o, u to designate the degree of deviation of these tissues from the normal. In this way there was evolved the word "Sacratama" to denote the physical examination according to the following table:

condition of the skin, amount of subcutaneous fat, muscle tone, alertness, and vitality of the child.

For the purpose of comparing different standards of nutrition, children were selected for this study on the following basis:

1. Native-born white children.
2. Both parents and all four grandparents born in the United States.
3. Recorded as appearing normal.
4. Have no physical defects.
5. Nutrition "good" or "excellent" as judged from clinical evidence.

The group of children satisfying these requirements were then divided into two classes according to the state of nutrition, one group comprising the children whose nutrition as judged from clinical evidence was recorded as "excellent," and the other group composed of those whose nutrition was recorded as "good." As explained above, the children were classified into five nutrition groups: "excellent," "good," "fair," "poor," and "very poor." The "excellent" group is, therefore, made up of children whose nutrition was beyond question. The "good" group represents children whose nutrition was above the average and could be said to be at least satisfactory.

In other words, so far as could be judged from a single examination, the children selected included no "border-line" cases, since they were definitely satisfactory so far as clinical evidence of nutrition was concerned, and clearly with no evidence of ill health. The objection may possibly be raised that if they had been kept under observation for a reasonable period, some of them might have been found to show signs of ill health which a single examination would fail to disclose. Within narrow limits, the objection, theoretically, at least, is a valid one, but experienced clinicians would hardly consider it an invalidating one. It is only proper to state, however, that material is being collected, in the course of further studies, which will include children who have been under observation for considerable periods.

The 506 children whose measurements were used as the basis for this study were from four States. The following table shows the distribution of the children according to the State in which they resided.

TABLE I.—*Distribution according to sex and place of residence of 506 children whose measurements were used as the basis for this study.*

Native white children of native parentage and native grandparentage with no physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

State of residence.	Both sexes.	Boys.	Girls.
All States.....	506	227	279
Florida.....	130	58	72
Georgia.....	159	80	79
Tennessee.....	110	46	64
Utah.....	107	43	64

Although the children lived in different States, they were all of not less than third generation native white children. Moreover, the distributions of the children according to underweight and overweight by the different standards used were similar in the various States (see Appendix, Tables XII, XIII, and XIV). Therefore, it seemed reasonable to combine the four States for the purpose of this study.

Table II shows the distribution of the 506 selected children according to age, sex, and nutrition.

TABLE II.—Distribution according to sex, age, and nutrition of the 506 children whose measurements were used as the basis for this study.

Native white children of native parentage and native grandparentage with no physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Age group.	Both sexes.			Boys.			Girls.		
	Total.	Nutrition.		Total.	Nutrition.		Total.	Nutrition.	
		Excel- lent.	Good.		Excel- lent.	Good.		Excel- lent.	Good.
All ages.....	506	148	358	227	61	166	279	87	192
6.....	11	3	8	5	1	4	6	2	4
7.....	32	8	24	14	4	10	18	4	14
8.....	36	8	28	11	1	10	25	7	18
9.....	38	10	28	17	4	13	21	6	15
10.....	65	13	52	35	4	31	30	9	21
11.....	77	20	57	27	7	20	50	13	37
12.....	78	30	48	42	14	28	36	16	20
13.....	67	25	42	27	11	16	40	14	26
14.....	60	18	42	27	8	19	33	10	23
15.....	22	8	14	9	4	5	13	4	9
16.....	13	3	10	8	2	6	5	1	4
17.....	6	1	5	4	1	4	2	1	1
18.....	1	1	1	1	1	1	1	1	1

WOOD'S STANDARD.

According to Wood's standard, based on the weight for height at different age periods for each sex, 102, or 20 per cent, of these 506 children found in good health and free from physical defect on medical examination, were more than 10 per cent underweight. According to this standard there was slightly more underweight among the girls than among boys, 21 per cent of the girls being underweight as against 19 per cent of the boys.

It is of more than passing interest to note that this finding of 20 per cent of *healthy* children who appear to be underweight according to Wood's standard is not so very much different from the results obtained by the application of this standard in a number of extensive studies on *unselected* children attending school. It will be recalled that these results were rather generally interpreted as revealing a definitely unsatisfactory condition of health.



TABLE III.—Wood's "right" weight applied to children without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Percentage of 506 children of native white ancestry (parents and grandparents all born in the United States) who were more than 10 per cent underweight, and percentage who were more than 20 per cent overweight according to Wood's height-weight-age tables, by sex and age groups.

Age, nearest birthday.	Percentage of children—						Total number of children considered.		
	Underweight (more than 10 per cent under Wood's standard).			Overweight (more than 20 per cent over Wood's standard).					
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
All ages.....	20.2	18.9	21.1	4.3	4.4	4.3	506	227	279
6-8.....	17.7	23.3	14.3	1.3	3.3	.....	79	30	49
9-11.....	21.7	17.7	24.8	5.6	3.8	6.9	180	79	101
12-14.....	20.0	16.7	22.9	4.9	5.2	4.6	205	96	109
15-18.....	19.1	27.3	10.0	2.4	4.5	.....	42	22	20

TABLE IV.—Wood's "right" weight applied to children without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Percentage of 506 children of native white ancestry (parents and grandparents all born in the United States) who were more than 10 per cent underweight and percentage who were more than 20 per cent overweight according to Wood's height-weight-age tables, by sex and nutrition groups.

Nutrition as judged from clinical evidence.	Percentage of children—						Total number of children considered.		
	Underweight (more than 10 per cent under Wood's standard).			Overweight (more than 20 per cent over Wood's standard).					
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
Both nutrition groups.....	20.2	18.9	21.1	4.3	4.4	4.3	506	227	279
Excellent.....	4.1	6.6	2.3	12.8	13.1	12.6	148	61	87
Good.....	26.8	23.5	29.7	.8	1.2	.5	358	166	192

When the children are classified according to age there are too few individuals in the groups, especially when further classified according to sex, to justify any conclusions from these data as to variation in the percentage of underweight at different ages.

Comparing the children of "good" with those of "excellent" nutrition, as judged from clinical evidence (Table IV), 4 per cent of the "excellent" group were more than 10 per cent under Wood's standard, as against 27 per cent of the "good." Among the boys the corresponding percentages were 7 per cent for the "excellent" and 23 per cent for the "good"; among girls 2 per cent of the "excellent" were underweight and 30 per cent of the "good."

In the matter of overweight no very common standard has been established, but a variation of 20 per cent above Wood's table has been used to a considerable extent as an indication of overweight. In this study, children over 20 per cent above Wood's standard were tabulated as overweight. In the "excellent" group 13 per cent of the children were more than 20 per cent above Wood's standard, whereas less than 1 per cent were overweight in the "good" group.

Two things seem clear from these data; first, that all the fat children were classed as "excellent" in nutrition; and second that nutrition as judged from clinical evidence was, to a degree, influenced by weight in relation to height; that is, there is direct correlation between underweight and nutrition. However, according to Wood's standard, 4 per cent of children without physical defects and of "excellent" nutrition, as judged from clinical evidence, were found to be underweight, and 27 per cent of those of "good" nutrition. This does not seem to be a sufficiently high correlation for weight to serve as a standard of nutrition.

#### DREYER'S STANDARD.

Out of the 506 children, 13 per cent (65 children) were more than 10 per cent below Dreyer's standard based on sitting height and chest circumference. Girls and boys, however, showed wide differences, only 2 per cent of the boys being underweight as against 22 per cent of the girls. When the children are divided into age groups it is found that for girls 6 to 8 years old the percentage who were underweight does not differ significantly from that of boys of the same age group, 7 per cent of the boys being underweight and 4 per cent of the girls. Reference to the more detailed tables in the appendix (Tables XVIII, XIX, and XX) will show that the difference between boys and girls shows up at about 10 years of age. Among boys 9 years and under, 4 per cent are underweight as against 3 per cent of the girls of the same age group.

In the other age groups, however, few boys are underweight, but 16 per cent of girls are underweight in the 9-11 year group, 36 per cent in the 12-14 year group, and 20 per cent in the 15-18 year group. The number of girls in each case is small but the differences between boys and girls are so large and consistent that some significant factor must have come in to cause the differences at these ages.

TABLE V.—Dreyer's "normal" weight applied to children without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Percentage of 506 children of native white ancestry (parents and grandparents all born in the United States) who were more than 10 per cent underweight, and percentage who were more than 15 per cent overweight according to Dreyer's tables of "normal" weight as calculated from trunk length and chest circumference, by sex and age groups.

Age nearest birthday.	Percentage of children—						Total number of children considered.		
	Underweight (more than 10 per cent under Dreyer's standard).			Overweight (more than 15 per cent over Dreyer's standard).					
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
All ages.....	12.8	1.8	21.9	10.0	17.6	3.6	506	227	279
6-8.....	5.1	6.7	4.1	11.4	16.7	8.1	79	30	49
9-11.....	8.9	.....	15.8	7.2	11.4	4.0	180	79	101
12-14.....	20.0	2.1	35.8	11.2	21.9	1.8	205	96	109
15-18.....	9.5	.....	20.0	11.9	22.7	.....	42	22	20

The instructions for making the measurements on the children included in this study, for the application of Dreyer's method were taken almost verbatim from Dreyer's book, and specified that chest measurements of girls old enough for the breast to be developed should be taken under the breasts. The data suggest, however, that the chest measurements of girls have in some way caused the error either in the data presented in this article or in Dreyer's original computations, since few of the boys of any age and few of the girls under 10 years are underweight according to the Dreyer method. With this exception, which is being made the subject of further study, the Dreyer method of taking into account two measurements (in this instance the important ones of stem length and chest circumference) seems to yield better results than a single measurement, such as the standing height.

TABLE VI.—Dreyer's "normal" weight applied to children without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Percentage of 503 children of native white ancestry (parents and grandparents all born in the United States) who were more than 10 per cent underweight and percentage who were more than 15 per cent overweight, according to Dreyer's table; of "normal" weight, as calculated from trunk length and chest circumference, by sex and nutrition groups.

Nutrition as judged from clinical evidence.	Percentage of children—						Total number of children considered.		
	Underweight (more than 10 per cent under Dreyer's standard).			Overweight (more than 15 per cent over Dreyer's standard).					
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
Both nutrition groups.....	12.8	4.8	21.9	10.0	17.6	3.6	506	227	279
Excellent.....	13.5	1.6	21.8	10.8	21.3	3.4	148	61	87
Good.....	12.6	1.8	21.9	9.5	16.3	3.6	358	166	192

When the two nutrition groups as judged from clinical evidence are compared, the percentages underweight are almost the same, 13 per cent of the "excellent" and over 12 per cent of the "good." Similarly, overweight does not show a very large difference, less than 11 per cent of the "excellent" being more than 15 per cent overweight and more than 9 per cent of the "good." When boys and girls are considered separately, the percentages who are underweight are not significantly different in the two nutrition groups.

#### PIRQUET'S STANDARD.

According to the Pirquet "pelidisi" standard, 17 per cent of the children were underweight, having pelidisi of 94 or less; 13 per cent of the boys and 21 per cent of the girls were underweight.

TABLE VII.—*Pirquet's "pelidisi" method applied to children without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.*

Percentage of 505 children of native white ancestry (parents and grandparents all born in the United States) whose "pelidisi" was 94 or less and percentage whose "pelidisi" was 105 or greater, by sex and age groups.

Age nearest birthday.	Percentage of children—						Total number of children considered.		
	Underweight (pelidisi 94 or less).			Overweight (pelidisi 105 or more).					
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
All ages.....	17.2	12.8	20.8	16.6	17.2	16.1	506	227	279
6-8.....	26.6	23.3	28.6	8.9	10.0	8.2	79	30	49
9-11.....	21.7	13.9	27.7	11.1	8.9	12.9	180	79	101
12-14.....	12.7	11.5	13.8	21.0	22.9	19.3	205	96	109
15-18.....	2.4	.....	5.0	33.3	31.8	35.0	42	22	20

When the children were divided according to age (Table VII), there was a fairly clear tendency in each sex group for the prevalence of underweight to decrease with age and the prevalence of overweight to increase with age. In the group composed of both sexes, the percentage underweight decreases from 27 per cent among children 6 to 8 years of age to 2 per cent among children 15 to 18 years of age. The percentage overweight increases from 9 per cent in the 6-8 year group to 33 per cent in the 15-18 year group. Although the numbers of children in these groups are small, the tendency described above seems fairly clear and consistent. It does not appear that the "pelidisi" method even approaches the degree of accuracy afforded by a physical examination. The results are even more unsatisfactory for younger children than for adults.

TABLE VIII.—*Pirquet's "pelidisi" method applied to children without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.*

Percentage of 503 children of native white ancestry (parents and grandparents all born in the United States) whose "pelidisi" was 94 or less and percentage whose "pelidisi" was 105 or greater, by sex and nutrition groups.

Nutrition as judged from clinical evidence.	Percentage of children—						Total number of children considered.		
	Underweight (pelidisi 94 or less).			Overweight (pelidisi 105 or more).					
	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.	Both sexes.	Boys.	Girls.
Both nutrition groups.....	17.2	12.8	20.8	16.6	17.2	16.1	503	227	279
Excellent.....	10.8	9.8	11.5	17.6	24.6	12.7	148	61	87
Good.....	19.8	13.9	25.0	16.2	14.5	17.7	358	166	192

Comparing the children of "good" nutrition with those of "excellent" nutrition, as judged from clinical evidence, 20 per cent of the "good" were underweight as against 11 per cent of the "excellent."

In regard to overweight, 16 per cent of the "good" group were overweight as against 18 per cent of the "excellent."

In general, underweight, according to Pirquet's pelidisi method, showed correlation with nutrition as judged from clinical evidence, but it must be remembered that 11 per cent of the 148 children of "excellent" nutrition with no physical defects were underweight according to the Pirquet standard.

### III. Comparison of the Different Standards.

The previous tables and discussion have shown the percentage of this selected group of healthy children who were underweight according to each of the three standards used. Of the 506 children, 102, or 20 per cent, were more than 10 per cent below Wood's standard; 65, or 13 per cent, were more than 10 per cent below Dreyer's standard; and 87, or 17 per cent, were underweight (pelidisi 94 or less), according to the Pirquet standard. The question arises as to whether the 102 children who were underweight according to the Wood table include the 65 and the 87 who were underweight according to the other standards. That is, how far do the standards agree on individual children?

A comparison is made in Table IX.

TABLE IX.—Comparison of indices of nutrition.

505 children of native white ancestry (parents and grandparents all born in the United States) without physical defects and judged as "excellent" or "good" in nutrition on clinical evidence by medical examiners (U. S. P. H. S.), the children being classified according to (1) Pirquet's "pelidisti" method, (2) per cent deviation from Wood's table of "right" weight for the sex, age, and height, and (3) per cent deviation from Dreyer's table of "normal" weight as calculated from trunk length and chest circumference.

BOTH NUTRITION GROUPS.

Per cent deviation from Dreyer's "normal" weight as calculated from trunk length and chest circumference.	Pirquet's pelidisti standard.																							
	All pelidisti.			Pelidisti 94 or less.			Pelidisti 95-99.			Pelidisti 100-104.			Pelidisti 105 and over.											
	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.									
Total.....	508	102	236	146	22	87	36	42	8	1	231	35	133	63	104	17	35	47	5	84	14	26	28	16
More than 15 per cent under.....	28	11	8	8	1	10	7	2	1	.....	9	2	3	4	.....	6	1	3	.....	3	.....	2	.....	1
11 to 15 per cent under.....	27	12	14	10	1	15	8	5	2	.....	16	2	8	5	.....	3	.....	3	.....	3	.....	2	.....	1
6 to 10 per cent under.....	59	17	24	16	3	16	7	6	2	.....	23	4	10	9	.....	10	2	3	.....	10	2	0	.....	1
1 to 5 per cent under.....	84	22	47	21	6	25	10	12	3	.....	39	8	23	8	.....	14	2	4	.....	16	2	2	.....	2
0 to 5 per cent over.....	127	23	67	31	6	19	4	15	.....	73	12	45	16	.....	21	5	5	10	.....	1	14	2	.....	5
6 to 10 per cent over.....	37	8	52	23	2	2	.....	2	.....	53	1	36	16	.....	21	4	4	6	.....	11	3	4	.....	2
11 to 15 per cent over.....	34	6	50	13	6	.....	.....	.....	.....	12	4	4	4	.....	16	1	4	0	.....	6	1	1	.....	4
More than 15 per cent over.....	50	.....	20	22	3	.....	.....	.....	.....	6	1	4	1	.....	13	1	7	.....	.....	31	3	9	.....	16

BOTH SEXES.

BOYS.

Total.....	227	43	119	55	10	29	10	18	1	118	19	73	21	46	9	20	15	2	39	5	8	18	8
More than 15 per cent under.....	3	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 to 15 per cent under.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 to 10 per cent under.....	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 to 5 per cent under.....	35	13	20	2	5	14	5	8	1	17	7	10	5	4	1	2	1	1	3	1	1	1	1
0 to 5 per cent over.....	64	12	42	9	1	9	1	1	1	41	6	30	11	11	4	4	3	2	6	1	1	1	1
6 to 10 per cent over.....	53	4	34	7	2	1	1	1	1	39	1	27	11	10	2	3	4	2	5	1	1	1	1
11 to 15 per cent over.....	26	6	17	7	6	1	1	1	1	11	4	4	3	10	1	3	4	2	5	1	1	1	1
More than 15 per cent over.....	40	4	15	20	1	1	1	1	1	11	1	2	1	11	1	6	4	2	25	2	7	15	1

GIRLS.

Total.....	279	59	117	91	12	58	26	24	7	118	16	60	42	58	8	15	32	3	45	9	18	10	8
More than 15 per cent under.....	25	9	8	7	1	8	5	2	1	8	2	3	3	6	2	1	3	3	3	1	2	1	1
11 to 15 per cent under.....	35	11	14	10	1	14	7	5	2	16	3	8	5	3	1	1	2	2	3	1	2	1	1
6 to 10 per cent under.....	57	14	24	16	3	14	6	5	2	23	4	10	9	10	2	3	3	2	10	2	6	2	2
1 to 5 per cent under.....	49	9	21	19	5	11	5	4	2	22	1	13	8	10	1	2	7	1	16	2	2	2	2
0 to 5 per cent over.....	63	11	25	22	5	10	3	7	2	32	6	15	11	10	1	1	7	1	11	1	2	2	4
6 to 10 per cent over.....	31	4	18	9	1	1	1	1	1	14	2	9	5	11	2	5	4	1	5	2	3	3	4
11 to 15 per cent over.....	8	1	2	6	2	1	1	1	1	1	1	2	1	6	1	1	5	1	1	1	1	1	2
More than 15 per cent over.....	10	1	5	2	2	1	1	1	1	2	1	2	1	6	1	1	1	1	6	1	2	1	2

Of 102 children who were more than 10 per cent underweight according to Wood, only 23 per cent (23 children) were underweight according to Dreyer, and 35 per cent (36 children) were underweight according to Pirquet. Of these 102 children underweight according to Wood, 5 per cent (5 children) were more than 15 per cent *overweight* according to Dreyer and 14 per cent (14 children) were *overweight* according to Pirquet (pelidisi 105 or over).

Of the 65 children who were more than 10 per cent below Dreyer's standard, 35 per cent (23 children) were underweight according to Wood, and 38 per cent (25 children) were underweight according to Pirquet.

Of the 87 children underweight according to Pirquet, 28 per cent (25 children) were underweight according to Dreyer and 41 per cent (36 children) were underweight according to Wood.

Of the 506 children, 210 were classed as underweight by one or more of the three standards; of these 210 cases, all three standards agreed on but 15 cases as being underweight.

The above figures are sufficient to show the great differences in the results of applying to healthy children the three methods of judging deviation from normal weight. Table IX shows the matter in greater detail.

The discussion thus far has considered the 506 children in one group. It will be remembered, however, that these children were classified by the medical officers who made the examinations according to nutrition as judged from clinical evidence without reference to any normal weight tables. Tables X and XI show cross tabulations similar to Table IX for the children of "good" nutrition and for those of "excellent" nutrition separately.





TABLE X.—Comparison of indices of nutrition—Continued.  
GOOD NUTRITION—Continued.

Per cent deviation from Dreyer's "normal" weight as calculated from trunk length and chest circumference.	Pirquet's pelidisi standard																								
	All pelidisi.			Pelidisi 94 or less.			Pelidisi 95-99.			Pelidisi 100-104.			Pelidisi 105 and over.												
	More than 10 per cent under.	0 to 20 per cent over.	More than 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 20 per cent over.									
Total.....	166	39	98	27	2	23	8	15	.....	86	18	59	9	.....	33	9	17	7	.....	24	4	7	11	2	
More than 15 per cent under.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11 to 15 per cent under.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 to 10 per cent under.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 to 5 per cent under.....	27	11	15	1	.....	10	3	7	.....	13	7	6	.....	.....	4	1	2	1	.....	.....	.....	.....	.....	.....	.....
0 to 5 per cent over.....	49	11	36	3	.....	31	7	1	.....	30	5	25	.....	.....	9	4	4	.....	.....	.....	.....	.....	.....	.....	.....
6 to 10 per cent over.....	42	4	29	9	.....	30	1	1	.....	9	4	3	.....	.....	8	2	4	.....	.....	.....	.....	.....	.....	.....	.....
11 to 15 per cent over.....	16	6	5	3	.....	3	.....	.....	.....	3	1	1	.....	.....	4	1	5	.....	.....	.....	.....	.....	.....	.....	.....
More than 15 per cent over.....	27	3	13	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	1	5	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	192	57	91	43	1	48	24	18	6	.....	76	16	47	13	.....	34	8	10	16	.....	34	9	16	8	1
More than 15 per cent under.....	17	8	5	4	.....	6	4	1	1	.....	4	2	1	.....	.....	5	2	1	.....	.....	.....	.....	.....	.....	.....
11 to 15 per cent under.....	25	11	9	5	.....	13	7	4	2	.....	8	3	4	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....
6 to 10 per cent under.....	40	13	20	7	.....	8	5	2	1	.....	18	4	10	.....	.....	7	2	3	.....	.....	.....	.....	.....	.....	.....
1 to 5 per cent under.....	39	9	17	13	.....	11	5	4	2	.....	17	1	12	.....	.....	6	3	.....	.....	.....	.....	.....	.....	.....	.....
0 to 5 per cent over.....	38	11	19	8	.....	9	3	6	.....	19	6	11	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 to 10 per cent over.....	21	4	15	2	.....	1	.....	.....	.....	8	.....	7	.....	.....	.....	7	2	.....	.....	.....	.....	.....	.....	.....	.....
11 to 15 per cent over.....	5	5	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	1	.....	.....	.....	.....	.....	.....	.....	.....
More than 15 per cent over.....	7	1	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

BOYS.

GIRLS.

TABLE XI.—*Comparison of indices of nutrition.*

148 children of native white ancestry (parents and grandparents all born in the United States) without physical defects and judged as "excellent" in nutrition, on clinical evidence by medical examiners (U. S. F. H. S.), the children being classified according to (1) Pirquet's "pelidisi" method, (2) per cent deviation from Wood's table of "right" weight for the sex, age, and height, and (3) per cent deviation from Dreyer's table of "normal" weight as calculated from trunk length and chest circumference.

EXCELLENT NUTRITION.

Per cent deviation from Dreyer's "normal" weight as calculated from trunk length and chest circumference.	Pirquet's pelidisi standard.																							
	All pelidisi.			Pelidisi 94 or less.			Pelidisi 95-99.			Pelidisi 100-104.			Pelidisi 105 and over.											
	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	Total.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	Total.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	Total.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	Total.								
Total.....	148	6	47	76	19	16	4	9	2	1	69	1	27	41	37	8	24	5	26	1	3	9	13	
More than 15 per cent under.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11 to 15 per cent under.....	9	1	3	4	1	2	1	1	.....	.....	5	.....	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 to 10 per cent under.....	17	1	4	9	3	6	1	3	1	1	8	.....	4	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1 to 5 per cent under.....	18	2	9	7	1	4	2	1	.....	.....	5	.....	5	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
0 to 5 per cent over.....	40	1	13	20	6	3	.....	3	.....	.....	23	.....	9	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 to 10 per cent over.....	24	.....	8	14	2	.....	.....	.....	.....	.....	15	.....	5	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11 to 15 per cent over.....	13	.....	7	.....	.....	.....	.....	.....	.....	.....	3	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
More than 15 per cent over.....	16	1	3	10	2	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

BOTH SEXES.

TABLE XI.—Comparison of indices of nutrition—Continued.  
EXCELLENT NUTRITION—Continued.

Per cent deviation from Dreyer's "normal," weight as calculated from trunk length and chest circumference.	Pirquet's pelidisi standard.																				
	All pelidisi.			Pelidisi 94 or less.			Pelidisi 95-99.			Pelidisi 100-104.			Pelidisi 105 and over.								
	Per cent deviation from Wood's "right" weight.			Per cent deviation from Wood's "right" weight.			Per cent deviation from Wood's "right" weight.			Per cent deviation from Wood's "right" weight.			Per cent deviation from Wood's "right" weight.								
	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 20 per cent over.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 10 per cent under.	1 to 10 per cent under.	0 to 20 per cent over.	More than 20 per cent over.					
Total.....	61	4	21	28	8	6	2	3	1	27	1	14	12	13	8	2	15	1	7	6	
More than 15 per cent under.....	1			1						1			1								
11 to 15 per cent under.....																					
6 to 10 per cent under.....	8	2	5	1	1	4	2	1	1	4		4									
1 to 5 per cent under.....	15	1	7	6	1	2	2	2		10	1	5	4								
0 to 5 per cent over.....	6	1	5	7	2	2				9	3	6									
6 to 10 per cent over.....	14		3	4	4					2	1	1									
11 to 15 per cent over.....	10		2	4	4					3	1	1									
More than 15 per cent over.....	13	1	2	9	1					1		1									
Total.....	13	1	2	9	1					3		1									
More than 15 per cent under.....	87	2	26	48	11	10	2	6	1	42		13	29	24	5	16	3	11	2	7	
More than 15 per cent under.....	8	1	3	3	1	2	1	1		4		2	2	1		1		1			
11 to 15 per cent under.....	11		5	5	1	1				8		4	4	1		1		1			
6 to 10 per cent under.....	17	1	4	9	3	6	1	3	1	5		5	5	3		2		3			
1 to 5 per cent under.....	10		4	6						1		1	4	4		2		2			
0 to 5 per cent over.....	25		6	14	5	1				13	4	9	9	7		3		4			
6 to 10 per cent over.....	10		3	7						6	2	2	1	4		1		3			
11 to 15 per cent over.....	3		1	3						1		1		2		1		1			
More than 15 per cent over.....	3		1	1						1				2		1		1			

BOYS.

GIRLS.

#### IV. Summary.

1. For the purpose of comparing different indices of nutrition, a group of 506 children who had the following qualifications were selected from much larger numbers: (a) Native white of native parentage and native grandparents; (b) no physical defects; and (c) nutrition "good" or "excellent" as judged from clinical evidence.

These children were selected after careful physical examination as being in good health so far as the medical examiner (United States Public Health Service) could determine.

2. Three standards of weight were applied to them. It was found that according to the Wood standard (height-weight-age tables), 20 per cent of these children were more than 10 per cent underweight; according to Dreyer's standard (stem length and chest circumference tables), 13 per cent of the children were more than 10 per cent underweight; and according to Pirquet's "pelidisi" method, 17 per cent had pelidisi of 94 or less and were underweight according to this standard.

3. A cross tabulation was made to ascertain whether children underweight according to one standard were underweight according to other standards. Although the percentage of children who were underweight did not vary greatly when different standards were applied (13, 17, and 20 per cent), many individuals classed as underweight by one standard were classed as normal or, in a few cases, overweight, by one or both of the other standards. Out of 506 children, 210 were classed as underweight by one or more of the three standards used; of these 210 cases, all three standards agreed on 15 cases as being underweight.

These children were selected as the best specimens of health that could be found among school children. In spite of this fact, one-fifth of them were underweight according to the standard most frequently used in school health work in the United States.

Appendix.

The following tables show in greater detail the data which have been presented in summary form in the foregoing pages:

TABLE XII.—Distribution of children in different States according to deviation from standard weight.

Frequency distribution of 506 children of "good" or "excellent" nutrition as judged from clinical evidence, according to the percentage deviation from Wood's "right" weight for sex, age, and height, according to the percentage deviation from Dreyer's "normal" weight for trunk length and chest circumference, and according to Pirquet's "pelidisi" standard, by sex and State of residence.

BOTH NUTRITION GROUPS.

Per cent deviation from the specified standard.	Both sexes.					Boys.					Girls.				
	Total.	Florida.	Tennessee.	Georgia.	Utah.	Total.	Florida.	Tennessee.	Georgia.	Utah.	Total.	Florida.	Tennessee.	Georgia.	Utah.

FREQUENCY DISTRIBUTION ACCORDING TO PERCENTAGE DEVIATION FROM WOOD'S "RIGHT" WEIGHT FOR SEX, AGE, AND HEIGHT.

Total.....	506	130	110	159	107	227	58	46	80	43	279	72	64	79	64
More than 20 per cent under.....	6	1	2	4	1	1	1	.....	.....	.....	5	.....	.....	4	1
16 to 20 per cent under.....	18	1	.....	10	5	5	1	.....	3	1	13	.....	2	7	4
11 to 15 per cent under.....	78	19	5	36	18	37	7	2	20	8	41	12	3	16	10
6 to 10 per cent under.....	128	25	32	48	21	68	12	16	29	11	58	13	16	19	10
1 to 5 per cent under.....	110	30	28	21	31	51	14	13	9	15	59	16	15	12	16
0 to 5 per cent over.....	86	24	22	19	21	35	11	6	10	8	51	13	16	9	13
6 to 10 per cent over.....	36	12	8	12	4	14	4	3	7	.....	22	8	5	5	4
11 to 15 per cent over.....	17	8	3	4	2	6	3	2	1	.....	11	5	1	3	2
16 to 20 per cent over.....	7	.....	1	2	4	.....	.....	.....	.....	.....	7	.....	1	2	4
21 to 25 per cent over.....	10	2	6	2	.....	3	1	2	.....	.....	7	1	4	2	.....
More than 25 per cent over.....	12	8	3	1	.....	7	4	2	1	.....	5	4	1	.....	.....

FREQUENCY DISTRIBUTION ACCORDING TO PERCENTAGE DEVIATION FROM DREYER'S "NORMAL" WEIGHT FOR TRUNK LENGTH AND CHEST CIRCUMFERENCE.

Total.....	506	130	110	159	107	227	58	46	80	43	279	72	64	79	64
More than 20 per cent under.....	10	3	1	5	1	2	1	1	.....	.....	8	2	.....	5	1
16 to 20 per cent under.....	18	7	.....	7	4	1	.....	1	.....	.....	17	7	.....	6	4
11 to 15 per cent under.....	37	14	2	9	12	1	1	.....	.....	.....	36	13	2	9	12
6 to 10 per cent under.....	59	16	7	21	15	2	.....	1	.....	1	57	16	6	21	14
1 to 5 per cent under.....	84	23	12	23	26	35	7	3	13	12	49	16	9	10	14
0 to 5 per cent over.....	127	26	38	33	30	64	14	10	22	18	63	12	28	11	12
6 to 10 per cent over.....	87	21	28	25	13	56	16	18	15	7	31	5	10	10	6
11 to 15 per cent over.....	34	8	12	8	6	26	8	7	6	5	8	.....	5	2	1
16 to 20 per cent over.....	25	4	7	14	.....	18	4	3	11	.....	7	.....	4	3	.....
More than 20 per cent over.....	25	8	3	14	.....	22	7	3	12	.....	3	1	.....	2	.....

FREQUENCY DISTRIBUTION ACCORDING TO PIRQUET'S "PELIDISI" STANDARD.

Total.....	503	130	110	159	107	227	58	46	80	43	279	72	64	79	64
Pelidisi 85-89.....	2	2	.....	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Pelidisi 90-94.....	85	26	16	12	31	27	8	6	4	9	58	18	10	8	22
Pelidisi 95-99.....	231	64	66	41	60	113	28	28	27	30	118	36	38	14	30
Pelidisi 100-104.....	104	23	22	44	15	46	9	9	24	4	58	14	13	20	11
Pelidisi 105-108.....	55	11	6	37	1	21	7	3	11	.....	34	4	3	26	1
Pelidisi over 108.....	29	4	.....	25	.....	18	4	.....	14	.....	11	.....	.....	11	.....

TABLE XIII.—Distribution of children in different States according to deviation from standard weight.

Frequency distribution of 358 children of "good" nutrition as judged from clinical evidence according to the percentage deviation from Wood's "right" weight for sex, age, and height, according to the percentage deviation from Dreyer's "normal" weight for trunk length and chest circumference, and according to Pirquet's "pelidisi" standard, by sex and State of residence.

GOOD NUTRITION.

Per cent deviation from the specified standard.	Both sexes.					Boys.					Girls.				
	Total.	Florida.	Tennessee.	Georgia.	Utah.	Total.	Florida.	Tennessee.	Georgia.	Utah.	Total.	Florida.	Tennessee.	Georgia.	Utah.

FREQUENCY DISTRIBUTION ACCORDING TO PERCENTAGE DEVIATION FROM WOOD'S "RIGHT" WEIGHT FOR SEX, AGE, AND HEIGHT.

Total.....	358	84	58	136	80	166	39	24	66	37	192	45	34	70	43
More than 20 per cent under.....	6	1	.....	4	1	1	1	.....	.....	.....	5	.....	.....	4	1
16 to 20 per cent under.....	18	1	2	10	5	5	1	.....	3	1	13	.....	2	7	4
11 to 15 per cent under.....	72	17	5	33	17	33	7	2	17	7	39	10	3	16	10
6 to 10 per cent under.....	104	22	26	38	18	57	11	14	22	10	47	11	12	16	8
1 to 5 per cent under.....	85	19	20	19	27	41	10	8	9	14	44	9	12	10	13
0 to 5 per cent over.....	48	16	5	16	11	19	6	.....	8	5	29	10	5	8	6
6 to 10 per cent over.....	15	5	.....	9	1	7	2	.....	5	.....	8	3	.....	4	1
11 to 15 per cent over.....	6	2	.....	4	.....	1	.....	.....	1	.....	5	2	.....	3	.....
16 to 20 per cent over.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....
21 to 25 per cent over.....	2	1	.....	1	.....	1	1	.....	.....	.....	1	.....	.....	1	.....
More than 25 per cent over.....	1	.....	.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....

FREQUENCY DISTRIBUTION ACCORDING TO PERCENTAGE DEVIATION FROM DREYER'S "NORMAL" WEIGHT FOR TRUNK LENGTH AND CHEST CIRCUMFERENCE.

Total.....	358	84	58	136	80	166	39	24	66	37	192	45	34	70	43
More than 20 per cent under.....	5	1	.....	4	.....	1	1	.....	.....	.....	4	.....	.....	4	.....
16 to 20 per cent under.....	14	5	.....	6	3	1	.....	.....	1	.....	13	5	.....	5	3
11 to 15 per cent under.....	26	8	1	8	9	1	1	.....	.....	.....	25	7	.....	8	9
6 to 10 per cent under.....	42	10	4	17	11	2	.....	1	.....	1	40	10	3	17	10
1 to 5 per cent under.....	66	20	9	15	22	27	7	2	7	11	39	13	7	8	11
0 to 5 per cent over.....	87	16	20	30	21	49	9	6	19	15	38	7	14	11	6
6 to 10 per cent over.....	63	13	18	23	9	42	10	13	13	6	21	3	5	10	3
11 to 15 per cent over.....	21	6	3	7	5	16	6	1	5	4	5	.....	2	2	1
16 to 20 per cent over.....	18	2	3	13	.....	13	2	1	10	.....	5	.....	2	3	.....
More than 20 per cent over.....	16	3	.....	13	.....	14	3	.....	11	.....	2	.....	.....	2	.....

FREQUENCY DISTRIBUTION ACCORDING TO PIRQUET'S "PELIDISI" STANDARD.

Total.....	358	84	58	136	80	166	39	24	66	37	192	45	34	70	43
Pelidisi 85-89.....	2	2	.....	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....
Pelidisi 90-94.....	69	20	13	8	28	21	8	4	1	8	48	12	9	7	20
Pelidisi 95-99.....	162	46	41	31	44	86	22	19	20	25	76	24	22	11	19
Pelidisi 100-104.....	67	14	4	41	8	33	5	1	23	4	34	9	3	18	4
Pelidisi 105-108.....	35	2	.....	33	.....	11	2	.....	9	.....	24	.....	.....	24	.....
Pelidisi over 108.....	23	.....	.....	23	.....	13	.....	.....	13	.....	10	.....	.....	10	.....

TABLE XIV.—Distribution of children in different States according to deviation from standard weight.

Frequency distribution of 148 children of "excellent" nutrition as judged from clinical evidence, according to the percentage deviation from Wood's "right" weight for sex, age, and height, according to the percentage deviation from Dreyer's "normal" weight for trunk length and chest circumference, and according to Pirquet's "pelidisi" standard, by sex and State of residence.

EXCELLENT NUTRITION.

Per cent deviation from the specified standard.	Both sexes.					Boys.					Girls.				
	Total.	Florida.	Tennessee.	Georgia.	Utah.	Total.	Florida.	Tennessee.	Georgia.	Utah.	Total.	Florida.	Tennessee.	Georgia.	Utah.

FREQUENCY DISTRIBUTION ACCORDING TO PERCENTAGE DEVIATION FROM WOOD'S "RIGHT" WEIGHT FOR SEX, AGE, AND HEIGHT.

Total.....	148	46	52	23	27	61	19	22	14	6	87	27	30	9	21
More than 20 per cent under.....															
16 to 20 per cent under.....	6	2		3	1	4			3	1	2	2			
11 to 15 per cent under.....	22	3	6	10	3	11	1	2	7	1	11	2	4	3	2
6 to 10 per cent under.....	25	11	8	2	4	10	4	5		1	15	7	3	2	3
1 to 5 per cent under.....	38	8	17	3	10	16	5	6	2	3	22	3	11	1	7
0 to 5 per cent over.....	21	7	8	3	3	7	2	3	2		14	5	5	1	3
11 to 15 per cent over.....	11	6	3		2	5	3	2			6	3	1		2
16 to 20 per cent over.....	6		1	1	4						6		1	1	4
21 to 25 per cent over.....	8		6	1		2		2			6	1	4	1	
More than 25 per cent over.....	11	8	3			6	4	2			5	4	1		

FREQUENCY DISTRIBUTION ACCORDING TO PERCENTAGE DEVIATION FROM DREYER'S "NORMAL" WEIGHT FOR TRUNK LENGTH AND CHEST CIRCUMFERENCE.

Total.....	148	46	52	23	27	61	19	22	14	6	87	27	30	9	21
More than 20 per cent under.....	5	2	1	1	1	1		1			4	2		1	1
16 to 20 per cent under.....	4	2		1	1						4	2		1	1
11 to 15 per cent under.....	11	6	1	1	3						11	6	1	1	3
6 to 10 per cent under.....	17	6	3	4	4						17	6	3	4	4
1 to 5 per cent under.....	18	3	3	8	4	8		1	6	1	10	3	2	2	3
0 to 5 per cent over.....	40	10	18	3	9	15	5	4	3	3	25	5	14		6
6 to 10 per cent over.....	24	8	10	2	4	14	6	5	2	1	10	2	5		3
11 to 15 per cent over.....	13	2	9	1	1	10	2	6	1	1	3		3		
16 to 20 per cent over.....	7	2	4	1		5	2	2	1		2		2		
More than 20 per cent over.....	9	5	3	1		8	4	3	1		1	1			

FREQUENCY DISTRIBUTION ACCORDING TO PIRQUET'S "PELIDISI" STANDARD.

Total.....	148	46	52	23	27	61	19	22	14	6	87	27	30	9	21
Pelidisi 85-90.....															
Pelidisi 90-94.....	16	6	3	4	3	6		2	3	1	10	6	1	1	2
Pelidisi 95-99.....	69	18	25	10	16	27	6	9	7	5	42	12	16	3	11
Pelidisi 100-104.....	37	9	18	3	7	13	4	8	1		24	5	10	2	7
Pelidisi 105-108.....	20	9	6	4	1	10	5	3	2		10	4	3	2	1
Pelidisi over 108.....	6	4		2		5	4		1		1			1	



**TABLE XV.**—Wood's "right" weight applied to children 6-18 years of age without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Frequency distribution of 506 children of native white ancestry (parents and grandparents all born in the United States) according to the percentage deviation from Wood's "right" weight for sex, age, and height, the children being classified according to sex and age.

**BOTH NUTRITION GROUPS.**

Percentage deviation from Wood's standard.	All ages.	Number of children at each age (nearest birthday) who are the specified percentage above or below Wood's standard weight.												
		6	7	8	9	10	11	12	13	14	15	16	17	18

**BOTH SEXES.**

Total.....	506	11	32	36	38	65	77	78	67	60	22	13	6	1
More than 20 per cent under.	6							1	3	1	1			
16 to 20 per cent under.....	18		2	1		2	3	1	2	5	1		1	
11 to 15 per cent under.....	78	1	3	7	3	14	17	9	11	8	1	4		
6 to 10 per cent under.....	126	1	13	5	14	11	17	25	17	15	3	3	1	1
1 to 5 per cent under.....	110	3	6	10	8	14	18	17	9	12	9	1	3	
0 to 5 per cent over.....	86	5	3	6	9	16	14	11	9	8	2	3		
6 to 10 per cent over.....	36	1	2	6		5	3	4	7	4	4			
11 to 15 per cent over.....	17		2			1	1	4	5	2	1		1	
16 to 20 per cent over.....	7			1				2		3		1		
21 to 25 per cent over.....	10				3	1	1	3	1	1				
More than 25 per cent over..	12		1		1	1	3	1	3	1		1		

**BOYS.**

Total.....	227	5	14	11	17	35	27	42	27	27	9	8	4	1
More than 20 per cent under.	1								1					
16 to 20 per cent under.....	5		1				1			1			1	
11 to 15 per cent under.....	37	1	1	4	1	7	5	7	4	3		4		
6 to 10 per cent under.....	68	1	5	2	9	7	8	17	6	10	1	1		1
1 to 5 per cent under.....	51	1	3	3	5	9	5	6	5	6	4	1	3	
0 to 5 per cent over.....	35	2	2	1	1	11	4	6	4	2	1	1		
6 to 10 per cent over.....	14			1			3	3	4	2	1			
11 to 15 per cent over.....	6		1					1	1	2	1			
16 to 20 per cent over.....														
21 to 25 per cent over.....	3							1	1	1				
More than 25 per cent over..	7		1		1	1	1	1	1			1		

**GIRLS.**

Total.....	279	6	18	25	21	30	50	36	40	33	13	5	2	
More than 20 per cent under.	5							1	2	1	1			
16 to 20 per cent under.....	13		1	1		2	2	1	2	4				
11 to 15 per cent under.....	41		2	3	2	7	12	2	7	5	1			
6 to 10 per cent under.....	58		8	3	5	4	9	8	11	5	2	2	1	
1 to 5 per cent under.....	59	2	3	7	3	5	13	11	4	6	5			
0 to 5 per cent over.....	51	3	1	5	8	5	10	5	5	6	1	2		
6 to 10 per cent over.....	22	1	2	5		5		1	3	2	3			
11 to 15 per cent over.....	11		1			1	1	3	4				1	
16 to 20 per cent over.....	7			1				2		3		1		
21 to 25 per cent over.....	7				3	1	1	2						
More than 25 per cent over..	5						2		2	1				



TABLE XVII.—Wood's "right" weight applied to children 6-18 years of age without physical defects and with "excellent" nutrition as judged from clinical evidence.

Frequency distribution of 148 children of native white ancestry (parents and grandparents all born in the United States) according to the percentage deviation from Wood's "right" weight for sex, age, and height, the children being classified according to sex and age.

EXCELLENT NUTRITION.

Percentage deviation from Wood's standard.	All ages.	Number of children at each age (nearest birthday) who are the specified percentage above or below Wood's standard weight.												
		6	7	8	9	10	11	12	13	14	15	16	17	18

BOTH SEXES.

Total.....	148	3	8	8	10	13	20	30	25	18	8	3	1	1
More than 20 per cent under..														
16 to 20 per cent under.....														
11 to 15 per cent under.....	6			1	1		1	1		2				
6 to 10 per cent under.....	22		1		1	1		5	2	4				
1 to 5 per cent under.....	25		1		1	4	5	7	2	2	3		1	1
0 to 5 per cent over.....	38	2	3	3	3	5	7	5	6	3		1		
6 to 10 per cent over.....	21	1	1	3		3	2	1	5	1	4			
11 to 15 per cent over.....	11		1				1	3	3	2	1			
16 to 20 per cent over.....	6			1				2		3				
21 to 25 per cent over.....	8				3		1	3	1					
More than 25 per cent over..	11		1		1		3	1	3	1		1		

BOYS.

Total.....	61	1	4	1	4	4	7	14	11	8	4	2		1
More than 20 per cent under..														
16 to 20 per cent under.....														
11 to 15 per cent under.....	4				1					2				
6 to 10 per cent under.....	11							6	2	2				1
1 to 5 per cent under.....	10				1	2	2	1	1	1	2			
0 to 5 per cent over.....	16	1	2		1	2	2	3	3	1		1		
6 to 10 per cent over.....	7			1			2	1	2		1			
11 to 15 per cent over.....	5		1						1	2	1			
16 to 20 per cent over.....														
21 to 25 per cent over.....	2							1	1					
More than 25 per cent over..	6		1		1		1	1	1			1		

GIRLS.

Total.....	87	2	4	7	6	9	13	16	14	10	4	1	1	
More than 20 per cent under..														
16 to 20 per cent under.....	2													
11 to 15 per cent under.....	11		1		1		1		3	2		1	1	
6 to 10 per cent under.....	15		1			2	3	6	1	1	1			
1 to 5 per cent under.....	22	1	1	3	2	3	5	2	3	2				
0 to 5 per cent over.....	22	1	1	3	2	3	5	2	3	2				
6 to 10 per cent over.....	14	1	1	2		3			3	1	3			
11 to 15 per cent over.....	6						1	3	2					
16 to 20 per cent over.....	6			1				2		3				
21 to 25 per cent over.....	6				3		1	2						
More than 25 per cent over..	5						2		2	1				

TABLE XVIII.—Dreyer's "normal" weight applied to children 6-18 years of age without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.

Frequency distribution of 506 children of native white ancestry (parents and grandparents all born in the United States) according to the percentage deviation from Dreyer's "normal" weight as calculated from trunk length and chest circumference, the children being classified according to sex and age.

BOTH NUTRITION GROUPS.

Percentage deviation from Dreyer's standard.	All ages.	Number of children at each age (nearest birthday) who are the specified percentage above or below Dreyer's "normal" weight.												
		6	7	8	9	10	11	12	13	14	15	16	17	18

BOTH SEXES.

Total.....	506	11	32	36	38	65	77	78	67	60	22	13	6	1
More than 20 per cent under..	10					1	1	2	5	1				
16 to 20 per cent under..	18	1					4	2	6	3	2			
11 to 15 per cent under..	37		3			4	6	5	7	10	2			
6 to 10 per cent under..	59	1	2	6	5	7	10	6	8	5	7	1	1	
1 to 5 per cent under..	84	3	7	3	8	10	16	15	9	8	1	3	1	
0 to 5 per cent over..	127	2	10	10	14	18	22	16	11	14	5	3	2	
6 to 10 per cent over..	87	1	8	8	7	12	11	18	6	10	1	3	1	1
11 to 15 per cent over..	34	2	1	2	2	6	3	7	6	2	2		1	
16 to 20 per cent over..	25	1		5	2	4	2	2	5	3			1	
More than 20 per cent over..	25		1	2		3	2	5	4	4	2		2	

BOYS.

Total.....	227	5	14	11	17	35	27	42	27	27	9	8	4	1
More than 20 per cent under..	2								2					
16 to 20 per cent under..	1	1												
11 to 15 per cent under..	1		1											
6 to 10 per cent under..	2					2								
1 to 5 per cent under..	35	2	1		4	4	6	10	4	3		1		
0 to 5 per cent over..	64		4	4	6	10	11	7	7	7	5	1	2	
6 to 10 per cent over..	56	1	6	3	4	9	5	12	2	8	1	3	1	1
11 to 15 per cent over..	48	1	1	1	2	4	3	7	4	2	1		1	
16 to 20 per cent over..	18	1		3	1	3	1	1	4	3		1		
More than 20 per cent over..	22		1			3	1	5	4	4	2		2	

GIRLS.

Total.....	279	6	18	25	21	30	50	36	40	33	13	5	2	
More than 20 per cent under..	8					1	1	2	3	1				
16 to 20 per cent under..	17					4	4	2	6	3	2			
11 to 15 per cent under..	36		2			4	6	5	7	10	2			
6 to 10 per cent under..	57	1	2	6	5	5	10	6	8	5	7	1	1	
1 to 5 per cent under..	49	1	6	3	4	6	10	5	5	5	1	2	1	
0 to 5 per cent over..	63	2	6	6	8	8	11	9	4	7		2		
6 to 10 per cent over..	31		2	5	3	3	6	6	4	2				
11 to 15 per cent over..	8	2		1		2		2	2		1			
16 to 20 per cent over..	7			2	1	1	1	1	1					
More than 20 per cent over..	3			2			1							



TABLE XX.—Dreyer's "normal" weight applied to children 6-18 years of age without physical defects and with "excellent" nutrition as judged from clinical evidence.

Frequency distribution of 148 children of native white ancestry (parents and grandparents all born in the United States) according to the percentage deviation from Dreyer's "normal" weight as calculated from trunk length and chest circumference, the children being classified according to sex and age.

EXCELLENT NUTRITION.

Percentage deviation from Dreyer's standard.	All ages.	Number of children at each age (nearest birthday) who are the specified percentage above or below Dreyer's "normal" weight.												
		6	7	8	9	10	11	12	13	14	15	16	17	18

BOTH SEXES.

Total.....	148	3	8	8	10	13	20	30	25	18	8	3	1	1
More than 20 per cent under	5					1	1	1	2					
15 to 20 per cent under	4							1	1	2				
11 to 15 per cent under	11					2	1	2	3	2	1			
6 to 10 per cent under	17			3	3	1	1	1	3	2	2			1
1 to 5 per cent under	18	1	1		1	1	3	7	1	1	1	1		
0 to 5 per cent over	40	1	4	2	4	4	6	7	6	6				
6 to 10 per cent over	24		2	2	1	3	2	6	2	2	1	2		1
11 to 15 per cent over	13	1	1		1	1	3	2	3		1			
16 to 20 per cent over	7			1			1	1	3	1				
More than 20 per cent over	9						2	2	1	2	2			

BOYS.

Total.....	61	1	4	1	4	4	7	14	11	8	4	2		1
More than 20 per cent under	1								1					
15 to 20 per cent under														
11 to 15 per cent under														
6 to 10 per cent under														
1 to 5 per cent under	8	1						5	1	1				
0 to 5 per cent over	15		1				1	3	4	2				
6 to 10 per cent over	14		2		1	2	1	2		2	1	2		
11 to 15 per cent over	10		1		1		3	2	2		1			
16 to 20 per cent over	5			1			1	2	2	1				
More than 20 per cent over	8						1	2	1	2	2			

GIRLS.

Total.....	87	2	4	7	6	9	13	16	14	10	4	1	1	
More than 20 per cent under	4					1	1	1	1	2				
16 to 20 per cent under	4						1	1	1	2				
11 to 15 per cent under	11					2	1	2	3	2	1			
6 to 10 per cent under	17			3	3	1	1	1	3	2	2			1
1 to 5 per cent under	10		1		1	1	3	2			1	1		
0 to 5 per cent over	25	1	3	2	2	2	5	4	2	4				
6 to 10 per cent over	10			2		1	1	4	2					
11 to 15 per cent over	3	1				1			1					
16 to 20 per cent over	2							1	1					
More than 20 per cent over	1						1							

TABLE XXI.—*Pirquet's "pelidisi" method applied to children 6-18 years of age without physical defects and with "good" or "excellent" nutrition as judged from clinical evidence.*

Frequency distribution of 506 children of native white ancestry (parents and grandparents all born in the United States) according to "pelidisi," the children being classified according to sex and age.

BOTH NUTRITION GROUPS.

"Pelidisi."	All ages.	Number of children at each age (nearest birthday) who are the specified "pelidisi."												
		6	7	8	9	10	11	12	13	14	15	16	17	18
BOTH SEXES.														
Total.....	506	11	32	36	38	65	77	78	67	60	22	13	6	1
Pelidisi 85-89.....	2		1											
Pelidisi 90-94.....	85	4	9	7	5	13	21	10	8	7	1			
Pelidisi 95-99.....	231	6	14	16	22	28	37	37	26	28	10	5	2	
Pelidisi 100-104.....	104	1	6	8	6	17	11	17	19	9	4	3	3	
Pelidisi 105-108.....	54		2	3	4	2	7	7	7	12	5	3	1	1
Pelidisi over 108.....	30			2	1	5	1	7	6	4	2	2		
BOYS.														
Total.....	227	5	14	11	17	35	27	42	27	27	9	8	4	1
Pelidisi 85-89.....	2		1											
Pelidisi 90-94.....	27	3	1	2	2	5	4	4	2	4				
Pelidisi 95-99.....	133	2	8	5	12	16	14	22	10	13	5	4	2	
Pelidisi 100-104.....	46		3	2	2	9	8	7	8	3	1	1	2	
Pelidisi 105-108.....	20		1	1	1	2		3	3	4	3	1		1
Pelidisi over 108.....	19			1		3	1	6	3	3		2		
GIRLS.														
Total.....	279	6	18	25	21	30	50	36	40	33	13	5	2	
Pelidisi 85-89.....														
Pelidisi 90-94.....	58	1	8	5	3	8	17	6	6	3	1			
Pelidisi 95-99.....	118	4	6	11	10	12	23	15	16	15	5	1		
Pelidisi 100-104.....	58	1	3	6	4	8	3	10	11	6	3	2	1	
Pelidisi 105-108.....	34		1	2	3		7	4	4	8	2	2	1	
Pelidisi over 108.....	11			1	1	2		1	3	1	2			

TABLE XXII.—*Pirquet's "pelidisi" method applied to children 6-18 years of age without physical defects and with "good" nutrition as judged from clinical evidence.*

Frequency distribution of 358 children of native white ancestry (parents and grandparents all born in the United States) according to "pelidisi," the children being classified according to sex and age.

GOOD NUTRITION.

"Pelidisi."	All ages.	Number of children at each age (nearest birthday) who are the specified "pelidisi."												
		6	7	8	9	10	11	12	13	14	15	16	17	18
BOTH SEXES.														
Total.....	358	8	24	28	28	52	57	48	42	42	14	10	5	
Pelidisi 85-89.....	2		1							1				
Pelidisi 90-94.....	69	3	8	6	3	11	19	5	8	6				
Pelidisi 95-99.....	162	4	9	12	17	21	28	25	14	20	6	4	2	
Pelidisi 100-104.....	67	1	4	6	4	13	6	10	9	6	3	2	3	
Pelidisi 105-108.....	34		2	2	3	2	4	3	4	8	3	3		
Pelidisi over 108.....	24			2	1	5		5	6	2	2	1		





## BODY WEIGHT AND LONGEVITY.

Whether or not the weight-height ratio is a reliable index to the state of nutrition or health in children, it would seem that the mortality experience of insurance companies indicates definitely that overweight at certain ages involves serious danger to the lives of their policyholders, the degree of danger increasing with the excess in weight over the average for height and age for certain ages. At younger ages, however, a limited amount of overweight appears to be of advantage, or associated with more favorable mortality conditions, overweight persons of such ages having a uniformly lower death rate from tuberculosis. The records indicate that after 35 years of age, overweight, even in relatively small amounts begins to be dangerous, the seriousness increasing with advancing age and amount of overweight. The following statements, based on the records of insurance companies,<sup>1</sup> are taken from the Statistical Bulletin of the Metropolitan Life Insurance Co. for November, 1922:

Among short men—that is, those below 5 feet 7 inches in height—at the age period 40 to 44 years, an excess of 20 per cent in weight involves an added mortality of 30 per cent above the normal. A 40 per cent excess in weight in such individuals involves an increased mortality of nearly 80 per cent. Among tall men—that is, those over 5 feet 10 inches in height—the adverse situation is even more marked; for among them, at ages 40 to 44, a 20 per cent excess in weight carries a 40 per cent increase in mortality, and a 40 per cent excess in weight doubles the mortality.

On the other hand, underweight, which is common enough, presents a different picture. In general, underweight is an advantage, provided, of course, the percentage of deficiency is not too great. It is a serious impairment in early adult life, especially among tall men. Persons who are over 5 feet 10 inches and who are 20 per cent below the average weight for their height show an increased mortality of 30 per cent. Persons 30 per cent underweight have a 50 per cent excess mortality at these early ages. But from age 40 onward there are apparently no such penalties for underweight, and this condition, in fact, becomes a distinct advantage; for these are the people who have the best mortality rates.

It would seem that the records of insurance companies indicate that there is an optimum weight—that is, a weight-height ratio in relation to age that is associated with the most favorable mortality experience, and that this optimum weight, or best build, is not the average build. It is stated that those who weigh between 10 and 20

<sup>1</sup> Report of the Joint Committee of the Actuarial Society of America and the Association of Life Insurance Medical Directors, New York, 1918.

per cent below the average show the optimum condition for longevity at most ages beyond early adult life.

Continuing the question of optimum weight, or best build, as indicated by insurance records, it is stated in the Statistical Bulletin for March, 1923, that at ages under 30 years the lowest mortality rates among insured persons are found in those whose weights are above the average, an excess of weight of about 10 pounds above the average producing the most favorable mortality rates between the ages of 20 and 24 years. This excess tapers off until about age 30, at which age the lowest mortality is found among persons of approximately average weight. Beyond age 30, the lowest mortality is found among persons whose weights are below average, the amount of underweight associated with the most favorable mortality increasing with advancing age. At age 50 optimum weight appears to be, on the average, 30 to 40 pounds below the average weight for that age.

Discrimination must be made between types of build of overweight persons, it being shown that among overweights having a large chest capacity the conditions of mortality are more favorable than among those of small chest capacity. Overweights who have large trunks are better risks than those having small chests and large abdominal girth.

On the assumption that the average weight is the best weight, tables of average weights lead to the erroneous supposition that weight should continue to increase with advancing age. While this increase is of very common occurrence, the insurance records indicate that, within certain limits, this excess weight increases the insurance risk and should be carefully avoided.

These records, together with clinical evidence, suggest that through restriction of diet and proper indulgence in some form of exercise conditions premonitory of organic impairment and eventual breakdown of the circulatory and excretory systems may be averted in many instances. At least they reinforce what hygienists have been advocating for many years and open up a promising field of investigation for physiological research.

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### COMPENSATION FOR TYPHOID FEVER UNDER WORKMEN'S COMPENSATION ACT.

Typhoid fever contracted by an employee of a hotel as the result of drinking impure well water furnished by the hotel has been held<sup>1</sup> compensable as an accident within the meaning of the workmen's compensation act by the Supreme Court of Michigan.

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<sup>1</sup> Frankamp v. Fordney Hotel et al., 193 N. W. 204.

## QUARANTINE FOR VENEREAL DISEASES UPHELD.

The commissioner of health of Akron, Ohio, placed two venereally infected women under quarantine pursuant to authority contained in regulations adopted by the public health council of the State department of health. In habeas corpus proceedings brought by the two women, the Supreme Court of Ohio held the regulations not to be violative of either the Federal or State Constitution, but held them to be a proper exercise of the police power of the State.

### DEATHS DURING WEEK ENDED MAY 26, 1923.

Summary of information received by telegraph from industrial insurance companies for week ended May 26, 1923, and corresponding week of 1922. (From the Weekly Health Index, May 29, 1923, issued by the Bureau of the Census, Department of Commerce.)

	Week ended May 26, 1923.	Corresponding week, 1922.
Policies in force.....	53, 719, 212	49, 911, 994
Number of death claims.....	10, 285	9, 088
Death claims per 1,000 policies in force, annual rate.....	10.0	9.5

Deaths from all causes in certain large cities of the United States during the week ended May 26, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, May 29, 1923, issued by the Bureau of the Census, Department of Commerce.)

City.	Week ended May 26, 1923.		Annual death rate per 1,000, corre- sponding week, 1922.	Deaths under 1 year.		Infant mortality rate, week ended May 26, 1923. <sup>b</sup>
	Total deaths.	Death rate. <sup>a</sup>		Week ended May 26, 1923.	Corre- sponding week, 1922.	
Total.....	6, 825	12.4	12.0	836	764	.....
Akron, Ohio.....	34	8.5	6.3	8	6	95
Albany, N. Y.....	32	14.2	20.2	6	7	133
Atlanta, Ga.....	50	11.7	14.0	3	14	.....
Baltimore, Md. c.....	208	14.0	14.0	34	15	100
Birmingham, Ala.....	57	15.2	12.3	5	5	.....
Boston, Mass.....	193	13.1	11.8	27	18	77
Bridgeport, Conn.....	30	10.9	13.1	3	4	41
Buffalo, N. Y.....	164	15.9	12.3	26	19	109
Cambridge, Mass.....	34	15.9	8.9	6	4	107
Camden, N. J. c.....	28	11.8	12.4	2	6	33
Chicago, Ill.....	656	11.9	10.6	85	67	.....
Cincinnati, Ohio.....	120	15.4	15.5	11	9	72
Cleveland, Ohio c.....	174	10.2	9.9	24	30	66
Columbus, Ohio.....	61	12.2	12.8	5	4	52
Dallas, Tex.....	42	12.4	12.1	8	5	.....
Denver, Colo.....	84	16.1	13.4	13	6	.....
Des Moines, Iowa.....	33	12.2	.....	1	.....	.....
Detroit, Mich.....	265	13.9	9.9	55	41	110
Duluth, Minn.....	21	10.3	.....	1	.....	23
Erie, Pa.....	25	11.6	12.4	4	0	81
Fall River, Mass. c.....	30	12.9	12.1	3	9	43
Flint, Mich.....	24	10.6	.....	3	.....	60
Forth Worth, Tex.....	17	6.2	10.9	1	2	.....
Grand Rapids, Mich.....	33	11.8	10.5	5	0	79

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

<sup>b</sup> Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1922. Cities left blank are not in the registration area for births.

<sup>c</sup> Deaths for week ended Friday, May 25, 1923.

<sup>1</sup> Ex parte Company and ex parte Irvin, 139 N. E. 204.

Deaths from all causes in certain large cities of the United States during the week ended May 26, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, May 29, 1923, issued by the Bureau of the Census, Department of Commerce)—Continued.

City.	Week ended May 26, 1923.		Annual death rate per 1,000, corresponding week, 1922.	Deaths under 1 year.		Infant mortality rate, week ended May 26, 1923.
	Total deaths.	Death rate.		Week ended May 26, 1923.	Corresponding week, 1922.	
Houston, Tex.	28	9.4	11.8	4	8	.....
Indianapolis, Ind.	96	14.6	12.5	4	8	31
Jacksonville, Fla.	24	12.5	8.5	3	3	.....
Jersey City, N. J.	77	13.0	10.2	9	10	60
Kansas City, Kans.	25	11.3	12.4	3	3	69
Kansas City, Mo.	105	15.6	14.6	10	12	.....
Los Angeles, Calif.	205	16.0	13.4	26	17	97
Louisville, Ky.	81	16.4	15.2	8	9	86
Lowell, Mass.	28	12.7	16.0	2	4	35
Lynn, Mass.	27	13.7	.....	2	2	53
Memphis, Tenn.	58	17.8	20.2	6	8	.....
Minneapolis, Minn.	99	12.6	9.5	9	9	49
Nashville, Tenn.	32	13.8	10.4	6	4	.....
New Bedford, Mass.	44	17.6	8.2	8	4	125
New Haven, Conn.	34	10.2	12.9	4	10	52
New Orleans, La.	134	17.3	17.1	15	13	.....
New York, N. Y.	1,230	13.8	12.4	148	162	59
Bronx (borough)	129	8.0	10.9	15	24	53
Brooklyn (borough)	413	10.0	10.7	9	44	47
Manhattan (borough)	561	12.9	15.0	72	78	70
Queens (borough)	95	9.2	9.2	3	12	75
Richmond (borough)	32	13.1	14.3	3	4	55
Newark, N. J.	92	10.9	11.8	13	11	61
Norfolk, Va.	27	8.8	9.6	1	3	18
Oakland, Calif.	51	11.1	10.1	3	3	39
Omaha, Nebr.	44	11.2	10.6	5	3	54
Paterston, N. J.	33	12.3	10.5	3	4	48
Philadelphia, Pa.	470	12.7	12.2	50	4	65
Pittsburgh, Pa.	111	9.4	12.8	17	24	59
Portland, Oreg.	42	8.0	11.0	4	6	40
Providence, R. I.	56	12.0	12.8	7	11	57
Richmond, Va.	49	14.1	12.6	4	4	49
Rochester, N. Y.	56	9.2	10.7	8	8	63
St. Louis, Mo.	231	15.0	11.5	18	17	.....
St. Paul, Minn.	62	13.4	9.8	4	7	37
Salt Lake City, Utah	32	13.2	10.9	6	1	98
San Antonio, Tex.	59	16.7	.....	16	.....	.....
San Francisco, Calif.	142	13.7	12.8	13	8	78
Seattle, Wash.	72	11.9	9.9	5	6	44
Spokane, Wash.	18	9.0	16.0	2	5	44
Springfield, Mass.	29	10.5	7.1	2	2	29
Syracuse, N. Y.	48	13.6	10.1	5	4	65
Tacoma, Wash.	25	12.8	.....	0	.....	0
Toledo, Ohio.	56	10.9	9.2	7	5	71
Trenton, N. J.	27	11.1	16.7	2	4	34
Utica, N. Y.	17	8.6	.....	1	.....	21
Washington, D. C.	103	12.3	14.2	9	11	51
Wilmington, Del.	31	13.7	11.3	9	5	183
Worcester, Mass.	53	14.4	14.7	8	8	91
Yonkers, N. Y.	19	9.2	9.4	2	2	43
Youngstown, Ohio.	28	11.0	11.4	5	5	68

• Deaths for week ended Friday May 25, 1923.

# PREVALENCE OF DISEASE.

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

## UNITED STATES.

### CURRENT STATE SUMMARIES.

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

#### Reports for Week Ended June 2, 1923.

ARIZONA.		Cases.	COLORADO.	
			(Exclusive of Denver.)	
			Cases	
Chicken pox.....	1	Chicken pox.....	15	
Diphtheria.....	1	Diphtheria.....	27	
Malta fever.....	1	Influenza.....	1	
Measles.....	14	Measles.....	131	
Rocky Mountain spotted fever.....	1	Mumps.....	76	
Scarlet fever.....	17	Pneumonia.....	4	
Smallpox.....	7	Scarlet fever.....	19	
Typhoid fever.....	1	Smallpox.....	1	
Whooping cough.....	7	Tuberculosis.....	12	
		Typhoid fever.....	1	
		Whooping cough.....	36	
ARKANSAS.			CONNECTICUT.	
Chicken pox.....	10	Cerebrospinal meningitis.....	4	
Diphtheria.....	1	Chicken pox.....	53	
Hookworm disease.....	2	Diphtheria.....	29	
Influenza.....	18	German measles.....	17	
Malaria.....	78	Influenza.....	3	
Measles.....	348	Lethargic encephalitis.....	2	
Mumps.....	9	Malaria.....	3	
Pellagra.....	12	Measles.....	184	
Scarlet fever.....	1	Mumps.....	11	
Smallpox.....	14	Pneumonia (lobar).....	19	
Trachoma.....	2	Scarlet fever.....	68	
Tuberculosis.....	9	Tuberculosis (all forms).....	25	
Typhoid fever.....	15	Typhoid fever.....	3	
Whooping cough.....	47	Whooping cough.....	42	
CALIFORNIA.			FLORIDA.	
Diphtheria.....	119	Diphtheria.....	1	
Influenza.....	20	Lethargic encephalitis.....	1	
Lethargic encephalitis:		Malaria.....	12	
San Francisco.....	3	Pneumonia.....	4	
Vallejo.....	1	Scarlet fever.....	2	
Measles.....	911	Smallpox.....	7	
Polioomyelitis—Redlands.....	2	Trachoma.....	1	
Scarlet fever.....	142	Typhoid fever.....	12	
Smallpox:				
Ventura County.....	9			
Scattering.....	10			
Typhoid fever.....	10			

GEORGIA.		Cases.	KANSAS—continued.		Cases.
Chicken pox.....		10	Pneumonia.....		21
Diphtheria.....		1	Poliomyelitis.....		1
Dysentery (amebic).....		1	Scarlet fever.....		46
Dysentery (bacillary).....		12	Smallpox.....		20
Hookworm disease.....		26	Tetanus.....		1
Influenza.....		8	Tuberculosis.....		65
Malaria.....		17	Typhoid fever.....		3
Measles.....		229	Whooping cough.....		57
Mumps.....		3			
Pneumonia.....		18	LOUISIANA.		
Scarlet fever.....		8	Diphtheria.....		9
Septic sore throat.....		4	Influenza.....		4
Smallpox.....		23	Measles.....		143
Tetanus.....		2	Pellagra.....		21
Tuberculosis (pulmonary).....		15	Poliomyelitis.....		1
Typhoid fever.....		14	Smallpox.....		6
Typhus fever.....		1	Typhoid fever.....		19
Whooping cough.....		13	Whooping cough.....		17
ILLINOIS.			MAINE.		
Cerebrospinal meningitis—Chicago.....		1	Chicken pox.....		21
Diphtheria:			Diphtheria.....		6
Cook County (including Chicago).....		102	German measles.....		5
Chicago.....		93	Measles.....		134
Scattering.....		42	Mumps.....		1
Influenza.....		5	Pneumonia.....		5
Lethargic encephalitis—Fulton County.....		3	Scarlet fever.....		23
Pneumonia.....		242	Tuberculosis.....		6
Poliomyelitis—Cook County.....		1	Typhoid fever.....		4
Scarlet fever:			Whooping cough.....		15
Cook County (including Chicago).....		81			
Chicago.....		60	MARYLAND. <sup>1</sup>		
Du Page County.....		8	Cerebrospinal meningitis.....		2
Scattering.....		67	Chicken pox.....		80
Smallpox.....		16	Diphtheria.....		29
Typhoid fever.....		11	German measles.....		1
Whooping cough.....		184	Influenza.....		7
			Malaria.....		4
INDIANA.			Measles.....		818
Cerebrospinal meningitis:			Mumps.....		52
Delaware County.....		1	Ophthalmia neonatorum.....		1
Fountain County.....		2	Pneumonia (all forms).....		73
Monroe County.....		1	Scarlet fever.....		137
Washington County.....		1	Smallpox.....		1
Diphtheria.....		35	Tuberculosis.....		59
Influenza.....		2	Typhoid fever.....		10
Measles.....		1,217	Typhus fever.....		1
Pneumonia.....		2	Whooping cough.....		100
Rabies in animals—Floyd County.....		1			
Scarlet fever.....		64	MASSACHUSETTS.		
Smallpox.....		64	Cerebrospinal meningitis.....		1
Typhoid fever.....		3	Chicken pox.....		14
			Conjunctivitis (suppurative).....		13
IOWA.			Diphtheria.....		15
Diphtheria.....		21	German measles.....		26
Scarlet fever.....		102	Lethargic encephalitis.....		3
Smallpox.....		51	Measles.....		842
Typhoid fever.....		1	Mumps.....		182
			Ophthalmia neonatorum.....		16
KANSAS.			Pneumonia (lobar).....		52
Cerebrospinal meningitis.....		3	Poliomyelitis.....		1
Chicken pox.....		46	Scarlet fever.....		279
Diphtheria.....		23	Septic sore throat.....		4
German measles.....		1	Trachoma.....		2
Measles.....		724	Trichinosis.....		1
Mumps.....		56			

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

MASSACHUSETTS—continued.		NEBRASKA—continued.	
	Cases.		Cases.
Tuberculosis (all forms).....	129	Smallpox.....	2
Typhoid fever.....	9	Tuberculosis.....	11
Whooping cough.....	200	Whooping cough.....	35
MICHIGAN.		NEW JERSEY.	
Diphtheria.....	60	Chicken pox.....	177
Measles.....	1,752	Diphtheria.....	81
Pneumonia.....	122	Influenza.....	4
Scarlet fever.....	195	Malaria.....	1
Smallpox.....	27	Measles.....	925
Tuberculosis.....	79	Pneumonia.....	74
Typhoid fever.....	7	Scarlet fever.....	125
Whooping cough.....	134	Smallpox.....	1
MINNESOTA.		Trachoma.....	1
Chicken pox.....	1	Typhoid fever.....	6
Diphtheria.....	53	Whooping cough.....	98
Measles.....	518	NEW MEXICO.	
Pneumonia.....	3	Chicken pox.....	2
Scarlet fever.....	151	Diphtheria.....	22
Smallpox.....	28	Hookworm disease.....	1
Tetanus.....	2	Measles.....	49
Tuberculosis.....	127	Mumps.....	2
Typhoid fever.....	1	Scarlet fever.....	6
Whooping cough.....	14	Tuberculosis.....	7
MISSISSIPPI.		Whooping cough.....	5
Cerebrospinal meningitis.....	1	NEW YORK.	
Diphtheria.....	10	(Exclusive of New York City.)	
Influenza.....	37	Cerebrospinal meningitis.....	1
Scarlet fever.....	1	Diphtheria.....	78
Smallpox.....	2	Influenza.....	11
Typhoid fever.....	4	Lethargic encephalitis.....	5
MISSOURI.		Measles.....	2,729
Anthrax.....	1	Pneumonia.....	169
Cerebrospinal meningitis.....	3	Poliomyelitis.....	3
Chicken pox.....	25	Scarlet fever.....	228
Diphtheria.....	51	Typhoid fever.....	21
Epidemic sore throat.....	2	Whooping cough.....	218
Influenza.....	1	NORTH CAROLINA.	
Measles.....	768	Cerebrospinal meningitis.....	2
Mumps.....	17	Chicken pox.....	69
Scarlet fever.....	56	Diphtheria.....	17
Smallpox.....	9	German measles.....	1
Trachoma.....	6	Measles.....	1,911
Tuberculosis.....	76	Scarlet fever.....	17
Typhoid fever.....	11	Septic sore throat.....	3
Whooping cough.....	147	Smallpox.....	69
MONTANA.		Typhoid fever.....	18
Rocky Mountain spotted fever:		Whooping cough.....	428
Bonita.....	1	OREGON.	
Cohagen, R. D. No. 1.....	1	Chicken pox.....	12
Jordan, R. D. No. 1.....	2	Diphtheria:	
Mosby.....	1	Portland.....	10
Scarlet fever.....	14	Scattering.....	2
Smallpox.....	12	Measles.....	3
Typhoid fever.....	2	Mumps.....	4
NEBRASKA.		Rocky Mountain spotted fever.....	1
Chicken pox.....	12	Scarlet fever.....	6
Diphtheria.....	10	Smallpox:	
Measles.....	17	Portland.....	11
Mumps.....	21	Scattering.....	12
Scarlet fever.....	25	Tuberculosis.....	11
		Whooping cough.....	19

SOUTH DAKOTA.

	Cases.
Chicken pox.....	6
Diphtheria.....	4
Measles.....	91
Mumps.....	1
Pneumonia.....	1
Scarlet fever.....	20
Tuberculosis.....	4
Typhoid fever.....	4
Whooping cough.....	1

TEXAS.

Chicken pox.....	27
Dengue.....	2
Diphtheria.....	15
Dysentery.....	2
Influenza.....	25
Lethargic encephalitis.....	1
Measles.....	198
Mumps.....	10
Pellagra.....	2
Pneumonia.....	15
Scarlet fever.....	13
Smallpox.....	14
Tuberculosis.....	34
Typhoid fever.....	10
Whooping cough.....	69

VERMONT.

Chicken pox.....	34
Diphtheria.....	3
Measles.....	180
Mumps.....	5
Pneumonia.....	4
Scarlet fever.....	5
Smallpox.....	5
Whooping cough.....	19

WASHINGTON.

Chicken pox.....	69
Diphtheria.....	32
Lethargic encephalitis:	
Walla Walla County.....	1

ALABAMA.

	Cases.
Chicken pox.....	21
Dengue.....	4
Diphtheria.....	28
Dysentery.....	39
Influenza.....	31
Lethargic encephalitis.....	1
Malaria.....	67
Measles.....	1,281
Mumps.....	4
Pellagra.....	25
Pneumonia.....	59
Scarlet fever.....	8
Smallpox.....	2
Tetanus.....	1
Tuberculosis.....	35
Typhoid fever.....	19
Whooping cough.....	72

WASHINGTON—continued.

	Cases.
Measles:	
Kittitas.....	18
Seattle.....	24
Spokane County.....	12
Scattering.....	19
Mumps.....	11
Scarlet fever.....	21
Smallpox.....	32
Tuberculosis.....	44
Whooping cough.....	80

WEST VIRGINIA.

Diphtheria.....	9
Scarlet fever.....	3
Typhoid fever.....	1

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis.....	1
Chicken pox.....	40
Diphtheria.....	9
Measles.....	25
Pneumonia.....	7
Scarlet fever.....	141
Tuberculosis.....	7
Whooping cough.....	16
Scattering:	
Chicken pox.....	47
Diphtheria.....	39
Influenza.....	31
Measles.....	1,256
Pneumonia.....	19
Poliomyelitis.....	1
Scarlet fever.....	167
Smallpox.....	35
Trachoma.....	1
Tuberculosis.....	26
Typhoid fever.....	4
Whooping cough.....	42

WYOMING.

Influenza.....	1
Measles.....	7
Pneumonia.....	2
Poliomyelitis.....	1
Scarlet fever.....	1

Reports for Week Ended May 26, 1923.

CALIFORNIA.

	Cases.
Diphtheria.....	142
Influenza.....	32
Leprosy—Oakland.....	1
Lethargic encephalitis:	
Los Angeles.....	1
San Francisco.....	1
Measles.....	960
Poliomyelitis:	
San Bernardino County.....	1
Scarlet fever.....	146
Smallpox:	
Los Angeles.....	16
Scattering.....	20
Typhoid fever.....	6

DISTRICT OF COLUMBIA.

Chicken pox.....	19
Diphtheria.....	5



DISTRICT OF COLUMBIA--continued.		MISSOURI.	
	Cases.		Cases.
Lethargic encephalitis.....	2	Cerebrospinal meningitis.....	1
Measles.....	357	Chicken pox.....	90
Scarlet fever.....	24	Diphtheria.....	58
Tuberculosis.....	26	Epidemic sore throat.....	2
Typhoid fever.....	3	Influenza.....	61
Whooping cough.....	48	Measles.....	753
INDIANA.		Mumps.....	6
Cerebrospinal meningitis:		Ophthalmia neonatorum.....	1
LaPorte County.....	1	Pneumonia.....	1
Diphtheria.....	24	Scarlet fever.....	63
Influenza.....	5	Smallpox.....	20
Measles.....	1,352	Tetanus.....	1
Pneumonia.....	1	Trachoma.....	2
Rabies in animals:		Tuberculosis.....	58
Marion County.....	1	Typhoid fever.....	6
Scarlet fever.....	50	Whooping cough.....	129
Smallpox.....	53	NORTH DAKOTA.	
Typhoid fever.....	1	Chicken pox.....	9
MINNESOTA.		Diphtheria.....	13
Chicken pox.....	8	Lethargic encephalitis.....	1
Diphtheria.....	41	Measles.....	45
Measles.....	853	Pneumonia.....	5
Pneumonia.....	1	Scarlet fever.....	12
Poliomyelitis.....	1	Smallpox.....	3
Scarlet fever.....	162	Trachoma.....	2
Smallpox.....	41	Tuberculosis.....	2
Tuberculosis.....	42	Whooping cough.....	17
Typhoid fever.....	2	WYOMING.	
Whooping cough.....	10	Chicken pox.....	2
MISSISSIPPI.		Measles.....	2
Diphtheria.....	4	Pneumonia.....	1
Influenza.....	65	Scarlet fever.....	1
Scarlet fever.....	6	Tuberculosis.....	1
Smallpox.....	1	Typhoid fever.....	1
Typhoid fever.....	10	Whooping cough.....	1

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

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
<i>April, 1923.</i>										
Alabama.....	6	55	1,521	238	3,640	48		41	66	54
California.....	15	623	510	14	4,351	6	2	681	112	37
Delaware.....		6	1	4	116			25		1
Montana.....	1	43	35		78			49	53	5
Oklahoma.....		60	2,603		395	3		42	264	19
Oregon.....		33	13		9			59	117	3
Pennsylvania.....	9	1,064			14,038		5	1,312	20	101
Virginia.....	14	146	3,261	190	11,272	25	4	167	101	66
West Virginia.....	1	73	245		2,493			113	67	40
<i>May, 1923.</i>										
Delaware.....		19		5	114			42		1

**CITY REPORTS FOR WEEK ENDED MAY 19, 1923.**

**CEREBROSPINAL MENINGITIS.**

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

City.	Median for previous years.	Week ended May 19, 1923.		City.	Median for previous years.	Week ended May 19, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Michigan:			
Los Angeles.....	1		1	Highland Park.....	0	3	
Connecticut:				Port Huron.....	0		1
Bristol.....	0		1	New Jersey:			
Georgia:				Jersey City.....	0	1	
Atlanta.....	0		1	Newark.....	1	1	1
Indiana:				New York:			
Indianapolis.....	0	1		New York.....	7	1	
Maine:				Niagara Falls.....	0	1	1
Lewiston.....	0	3	2	Pennsylvania:			
Massachusetts:				Philadelphia.....	2	2	1
Chelsea.....	0	1		Wisconsin:			
Lynn.....	0	1	1	Milwaukee.....	2	1	1
Newburyport.....	0	1		Oshkosh.....	0		1
Saugus.....		1					

**DIPHTHERIA.**

See p. 1285; also Current State summaries, p. 1275, and Monthly summaries by States, p. 1279.

**INFLUENZA.**

City.	Cases.		Deaths, week ended May 19, 1923.	City.	Cases.		Deaths, week ended May 19, 1923.
	Week ended May 20, 1922.	Week ended May 19, 1923.			Week ended May 20, 1922.	Week ended May 19, 1923.	
Alabama:				Massachusetts—Cont'd.			
Birmingham.....		4	1	Haverhill.....	2		
California:				Saugus.....		1	
Berkeley.....	2			Michigan:			
Los Angeles.....	10	6	1	Highland Park.....		1	
Pasadena.....			1	Muskegon.....	1		
Sacramento.....			1	Saginaw.....			1
San Diego.....	2	1		Minnesota:			
San Francisco.....		1		Minneapolis.....			1
Stockton.....		1		St. Paul.....			1
Colorado:				Missouri:			
Denver.....			1	Kansas City.....	1	3	1
Connecticut:				New Jersey:			
Meriden.....		1		East Orange.....	1	1	
New Haven.....			1	Jersey City.....		1	
Waterbury.....	1			Newark.....	7	1	
Florida:				Trenton.....		2	
Tampa.....	1			New York:			
Georgia:				Albany.....	1		
Atlanta.....		1		Auburn.....	1		
Illinois:				Mount Vernon.....		1	
Bloomington.....		1	1	New York.....	19	25	10
Chicago.....	10	17	5	Rochester.....			1
Elgin.....			1	Yonkers.....		2	1
Kentucky:				Ohio:			
Louisville.....		1	1	Cleveland.....	1	3	1
Louisiana:				Columbus.....			1
New Orleans.....		1		Youngstown.....			1
Maryland:				Pennsylvania:			
Baltimore.....	1	2	3	Philadelphia.....	1	3	4
Massachusetts:				Virginia:			
Boston.....	2			Richmond.....		1	
Chelsea.....	1			West Virginia:			
Clinton.....	1			Huntington.....			1
Everett.....	1			Wisconsin:			
Fall River.....			1	Milwaukee.....	1		

## CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

## LEPROSY.

City.	Cases.	Deaths.
Texas:		
Fort Worth .....	1	.....

## LETHARGIC ENCEPHALITIS.

New Jersey:		
Jersey City .....	1	.....

## MALARIA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Georgia:		
Birmingham .....	2	.....	Brunswick .....	1	.....
Mobile .....	7	.....	New York:		
Arkansas:			New York .....	2	.....
Little Rock .....	7	.....	Tennessee:		
California:			Memphis .....	14	1
Stockton .....	1	.....			
Florida:					
Tampa .....	2	.....			

## MEASLES.

See p. 1285; also Current State summaries, p. 1275, and Monthly summaries by States, p. 1279.

## PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Tennessee:		
Mobile .....		1	Nashville .....		1
North Carolina:			Texas:		
Durham .....	1	.....	San Antonio .....		1
Greensboro .....	2	.....	Waco .....		1

## PNEUMONIA (ALL FORMS).

Alabama:			Georgia:		
Birmingham .....	11	8	Atlanta .....		10
Montgomery .....	2	.....	Savannah .....		2
California:			Illinois:		
Alameda .....	4	1	Aurora .....	4	1
Glendale .....		1	Centralia .....	1	.....
Long Beach .....		3	Chicago .....	266	71
Los Angeles .....	26	13	Cicero .....		2
Oakland .....	3	2	Decatur .....	2	1
Pasadena .....	2	.....	Elgin .....		3
Riverside .....		2	Evanston .....	1	.....
Sacramento .....	1	.....	Forest Park .....	1	.....
San Bernardino .....		1	Jacksonville .....		1
San Diego .....		6	Kewanee .....	1	.....
San Francisco .....	10	3	La Salle .....		1
Santa Ana .....	1	.....	Oak Park .....	2	1
Santa Cruz .....		1	Pekin .....		1
Stockton .....		1	Peoria .....		4
Colorado:			Quincy .....		1
Denver .....		9	Rockford .....	4	3
Pueblo .....		1	Rock Island .....		1
Connecticut:			Springfield .....	5	3
Bridgeport .....		3	Indiana:		
Bristol .....		1	East Chicago .....	7	.....
Hartford .....	5	2	Gary .....		8
New Haven .....		9	Hammond .....		2
New London .....		1	Indianapolis .....		7
District of Columbia:			La Fayette .....		1
Washington .....		24	Michigan City .....		1

CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Indiana—Continued.			Missouri:		
Muncie.....		2	Kansas City.....	16	7
Terre Haute.....		1	St. Joseph.....		5
Iowa:			Nebraska:		
Burlington.....	2		Lincoln.....		1
Sioux City.....	1		Omaha.....		6
Fort Scott.....		1	New Jersey:		
Kansas:			Bloomfield.....		1
Kansas City.....	5		East Orange.....	4	1
Lawrence.....	1		Elizabeth.....		7
Kentucky:			Garfield.....		2
Covington.....		2	Hackensack.....	1	
Lexington.....		1	Harrison.....	1	
Louisville.....		11	Hoboken.....		3
Louisiana:			Kearny.....	1	
New Orleans.....	12	8	Montclair.....	2	
Maine:			Morristown.....		1
Bangor.....	1		Newark.....	44	5
Biddeford.....		2	Orange.....		1
Lewiston.....	3	2	Passaic.....	3	2
Portland.....		1	Paterson.....	2	
Sanford.....	2		Perth Amboy.....		1
Maryland:			Phillipsburg.....		1
Baltimore.....	67	26	Plainfield.....	3	2
Cumberland.....		1	Trenton.....	2	1
Massachusetts:			West Hoboken.....		1
Beverly.....	1		West New York.....		1
Boston.....		18	New Mexico:		
Braintree.....	1		Albuquerque.....		3
Brockton.....	1		New York:		
Brookline.....	1		Buffalo.....	32	15
Cambridge.....		2	Cohoes.....	1	
Chelsea.....	1		Dunkirk.....		2
Chicopee.....	2		Hornell.....	2	
Clinton.....		2	Lackawanna.....	1	
Everett.....	2		Middletown.....	2	
Fall River.....	1		Mount Vernon.....	3	1
Frammingham.....		1	New York.....	255	147
Gardner.....	1		Newburgh.....	3	
Holyoke.....		1	Niagara Falls.....	1	
Leominster.....	1		North Tonawanda.....	1	
Lowell.....		5	Port Chester.....	2	
Lynn.....		4	Poughkeepsie.....	3	1
Malden.....		2	Rochester.....	33	6
Medford.....	1		Rome.....	1	
Methuen.....	2		Schenectady.....	5	2
Milford.....		2	Syracuse.....	15	2
New Bedford.....		7	Troy.....	2	1
Newton.....		2	Watertown.....	1	
Northampton.....	1		White Plains.....	2	
Plymouth.....		1	Yonkers.....	5	2
Quincy.....	1		North Carolina:		
Salem.....	1		Greensboro.....		2
Somerville.....	4	1	Raleigh.....		3
Southbridge.....		1	Wilmington.....		3
Springfield.....	3	1	Winston-Salem.....		3
Waltham.....	1		Ohio:		
Watertown.....		1	Akron.....	11	
West Springfield.....	1		Chillicothe.....		1
Winthrop.....	1		Cincinnati.....		11
Woburn.....		1	Cleveland.....	39	20*
Worcester.....		4	Columbus.....		5
Michigan:			Dayton.....	2	
Ann Arbor.....	7	2	East Cleveland.....	2	
Battle Creek.....	3		Findlay.....	3	2
Flint.....	10	3	Hamilton.....		1
Hamtramck.....	3	2	Kenmore.....	1	
Highland Park.....	10	2	Lancaster.....		1
Jackson.....		2	Lorain.....	1	
Kalamazoo.....	1		Mansfield.....	2	1
Muskegon.....	3	1	Newark.....		1
Pontiac.....		4	Sandusky.....		1
Port Huron.....	3		Toledo.....		5
Saginaw.....		2	Youngstown.....		3
Minnesota:			Zanesville.....		1
Duluth.....		3	Oklahoma:		
Faribault.....		2	Oklahoma.....		2
Minneapolis.....		5	Oregon:		
St. Paul.....	5	4	Portland.....		4

## CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

## PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
<b>Pennsylvania:</b>			<b>Vermont:</b>		
Philadelphia.....	62	47	Burlington.....		2
<b>Rhode Island:</b>			<b>Virginia:</b>		
Cranston.....		3	Alexandria.....		1
Cumberland.....	2		Norfolk.....		4
Pawtucket.....		1	Richmond.....		4
Providence.....		5	Roanoke.....		1
<b>South Carolina:</b>			<b>West Virginia:</b>		
Charleston.....		4	Charleston.....		2
Columbia.....		2	Clarksburg.....		1
<b>Tennessee:</b>			Huntington.....	4	
Memphis.....		6	Martinsburg.....	1	
Nashville.....		5	Wheeling.....		1
<b>Texas:</b>			<b>Wisconsin:</b>		
Amarillo.....		1	Beloit.....		1
Beaumont.....		1	Eau Clair.....	3	
Dallas.....	1		Janesville.....		2
El Paso.....		14	Madison.....		1
Fort Worth.....		4	Milwaukee.....		10
Houston.....		4	Oshkosh.....		3
San Antonio.....		3	Racine.....		1
Waco.....		1	Sheboygan.....		1
<b>Utah:</b>			Superior.....		3
Salt Lake City.....		1	<b>Wyoming:</b>		
			Cheyenne.....		1

## POLIOMYELITIS (INFANTILE PARALYSIS).

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

City.	Median for previous years.	Week ended May 19, 1923.		City.	Median for previous years.	Week ended May 19, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
<b>California:</b>				<b>New York—Continued.</b>			
Oakland.....	0	1		New York.....	0	1	
<b>Massachusetts:</b>				<b>West Virginia:</b>			
Newton.....	0	1		Huntington.....			1
<b>Michigan:</b>				<b>Wisconsin:</b>			
Hamtramck.....	0		1	Appleton.....		1	
<b>New York:</b>							
Mount Vernon.....	0	1					

## RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
<b>Arkansas:</b>		<b>Massachusetts:</b>	
North Little Rock.....	1	Amesbury.....	1
<b>California:</b>		Braintree.....	1
Los Angeles.....	10	Watertown.....	1
<b>Georgia:</b>		<b>Missouri:</b>	
Savannah.....	1	Kansas City.....	2
<b>Kentucky:</b>		<b>New Jersey:</b>	
Louisville.....	1	Bloomfield.....	1

## RABIES IN MAN.

City.	Cases.	Deaths.
<b>California:</b>		
Los Angeles.....		1

CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

SCARLET FEVER.

See p. 1285; also Current State summaries, p. 1275, and Monthly summaries by States, p. 1279.

SMALLPOX.

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

City.	Median for previous years.	Week ended May 19, 1923.		City.	Median for previous years.	Week ended May 19, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				North Dakota:			
Los Angeles.....	1	13		Grand Forks.....	1	3	
Stockton.....	0	3		Ohio:			
Florida:				Canton.....	0	1	
Tampa.....	0	1		Cincinnati.....	0	1	
Georgia:				Columbus.....	1	2	
Atlanta.....	7	5		Dayton.....	1	4	
Brunswick.....	0	1		New Philadelphia.....	0	1	
Savannah.....	0	1		Newark.....	0	1	
Illinois:				Toledo.....	2	1	
Chicago.....	2	2		Oklahoma:			
Decatur.....	0	1		Oklahoma.....	2	3	
Oak Park.....	0	1		Tulsa.....	2	8	
Indiana:				Oregon:			
Anderson.....	0	4		Portland.....	10	14	
Fort Wayne.....	1	6		Pennsylvania:			
Gary.....	3	4		Farrell.....	0	1	
Hammond.....	0	1		Philadelphia.....	0	2	
Huntington.....	1	5		Tennessee:			
Indianapolis.....	13	12		Chattanooga.....	1	1	
Muncie.....	1	1		Knoxville.....	0	18	
Iowa:				Texas:			
Davenport.....	7	19		Beaumont.....	0	1	
Kansas:				El Paso.....	0	1	
Kansas City.....	3	2		Fort Worth.....	4	5	
Maine:				Virginia:			
Auburn.....	0	2		Danville.....	0	1	
Michigan:				Richmond.....	0	1	
Ann Arbor.....	0	1		Washington:			
Holland.....	0	1		Seattle.....	8	6	
Jackson.....	0	2		Spokane.....	17	6	
Minnesota:				Tacoma.....	1	1	
Duluth.....	1	3		West Virginia:			
Minneapolis.....	21	1		Huntington.....	0	1	
St. Cloud.....	1	2		Wisconsin:			
St. Paul.....	9	4		Green Bay.....	0	1	
Montana:				Janesville.....	0	1	
Great Falls.....	3	1		Kenosha.....	0	6	
Helena.....		1		Oshkosh.....	0	3	
New York:				Superior.....	1	7	
Dunkirk.....	6	1					
North Carolina:							
Durham.....	0	1					
Greensboro.....	0	6					
Winston-Salem.....	2	10					

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Florida:			Missouri:		
St. Petersburg.....	1	1	St. Louis.....	1	
Tampa.....		1	North Carolina:		
Illinois:			Winston-Salem.....		1
Chicago.....		1	Texas:		
Kentucky:			Dallas.....		1
Louisville.....		1			
Maine:					
Lewiston.....		1			

TUBERCULOSIS.

See p. 1285; also Current State summaries, p. 1275.

CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

TYPHOID FEVER.

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

City.	Median for previous years.	Week ended May 19, 1923.		City.	Median for previous years.	Week ended May 19, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Alabama:				Missouri:			
Birmingham.....	2	6		St. Joseph.....	0	1	
California:				New Jersey:			
Los Angeles.....	2	2		Bayonne.....	0	1	
San Diego.....	0	3		Newark.....	0	1	
San Francisco.....	1	1	2	Paterson.....	0	5	
Colorado:				Trenton.....	0	1	
Denver.....	0	1		New York:			
District of Columbia:				Buffalo.....	1	1	1
Washington.....	2	1		Lockport.....	0	1	1
Florida:				New York.....	14	9	2
Tampa.....	1	1		North Carolina:			
Georgia:				Durham.....	1	1	
Atlanta.....	0		1	Ohio:			
Macon.....	0	1		Akron.....	0	1	
Savannah.....	2	1	1	Cincinnati.....	1	1	1
Valdosta.....	1	1		Cleveland.....	2	5	1
Illinois:				Stubenville.....	0	1	
Chicago.....	3	3		Pennsylvania:			
Quincy.....	0	1		Beaver Falls.....	0	3	
Urbana.....		1		Columbia.....	0	1	
Iowa:				Norristown.....	0	1	
Waterloo.....	0	2		Pottsville.....	0	1	
Kentucky:				Rhode Island:			
Covington.....	1	1		Providence.....	0	2	
Louisville.....	1	4	1	South Carolina:			
Louisiana:				Columbia.....	1	1	
New Orleans.....	4	1		Tennessee:			
Maine:				Memphis.....	2	1	
Portland.....	0	1		Texas:			
Maryland:				El Paso.....	0	2	
Baltimore.....	6	1	1	Fort Worth.....	0	1	
Frederick.....	0	1		Vermont:			
Massachusetts:				Rutland.....	0		1
Arlington.....	0	1		Virginia:			
Attleboro.....	0	1		Norfolk.....	0	1	
Boston.....	3	2		Portsmouth.....	0	1	
Chelsea.....	0	3		Washington:			
Fall River.....	1	1		Everett.....	0	1	
Malden.....	0	1		Seattle.....	0	2	
Methuen.....	0	1		Tacoma.....	0	1	
New Bedford.....	0	1		West Virginia:			
Newburyport.....	0	2	2	Huntington.....	0	1	
Quincy.....	0	2		Parkersburg.....	0		1
Waltham.....	0	1		Wheeling.....	0	1	
Michigan:				Wisconsin:			
Saginaw.....	1	2		Oshkosh.....	0	1	
Minnesota:				Superior.....	0	1	
St. Paul.....	0		1				

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,806	66	2		260	1			5	5
Mobile.....	60,777	23			1					
Montgomery.....	43,464	18			83					1
Tuscaloosa.....	11,996				23					
Arkansas:										
Fort Smith.....	28,870				11					
Little Rock.....	65,142				46				1	
North Little Rock.....	14,048				28				1	

## CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

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

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>California:</b>										
Alameda.....	28,806	4			39					
Eureka.....	12,923	7			12		1		1	
Glendale.....	13,536	8		1						1
Long Beach.....	55,593	25	2		4		2		1	1
Los Angeles.....	576,673	199	48	1	204		26		48	20
Oakland.....	216,261	58	11	1	147	2	3		1	1
Pasadena.....	45,354	12			14		7		2	5
Richmond.....	16,843	1			1		1			
Riverside.....	19,341	8			1		3			2
Sacramento.....	65,908	24			80		7		3	3
San Bernardino.....	18,721	15	1		21		20		1	7
San Diego.....	74,683	32	4		42		2		4	4
San Francisco.....	506,676	121	35	2	100		27		19	11
Santa Ana.....	15,495	5			2					
Santa Barbara.....	19,441	4				1				
Santa Cruz.....	10,917	2								
Santa Barbara.....	40,296	16	2		66		3			3
Stockton.....	40,296	16	2		66		3			3
Vallejo.....	21,107	2								
<b>Colorado:</b>										
Denver.....	256,491	67	17	1	478	3	21			3
Pueblo.....	43,050	14	1		2		1			1
Trinidad.....	10,906				4					
<b>Connecticut:</b>										
Bridgeport.....	143,555	32	7		10		3		3	3
Bristol.....	20,620	3							1	1
Fairfield (town).....	11,475	1							1	
Hartford.....	138,036	31	6				2		9	1
Manchester (town).....	18,370	1	4							
Meriden (city).....	29,867				1					
Milford (town).....	10,193	2			6					
New Haven.....	162,537	36	7		63		2		13	
New London.....	25,688	6	2		7		1		1	
Norwich (city).....	22,304	4	2		8		1			
Stonington (town).....	10,236	2								
<b>District of Columbia:</b>										
Washington.....	437,571	120	8	1	438	1	35	1	27	14
<b>Florida:</b>										
St. Petersburg.....	14,237	5			1				1	
Tampa.....	51,608	18	1		4		1		2	
<b>Georgia:</b>										
Albany.....	11,555				19					
Atlanta.....	200,616	75			30	1	4	1		5
Brunswick.....	14,413	5								
Macon.....	52,995		1	1	38		1			
Rome.....	13,252				4					
Savannah.....	83,252	34			15		2		1	2
Valdosta.....	10,783	0			1					
<b>Idaho:</b>										
Boise.....	21,393	3								
<b>Illinois:</b>										
Alton.....	24,682	4			37				2	
Aurora.....	36,397	12	2		20		2		4	1
Bloomington.....	28,725	8			18		3		1	
Centralia.....	12,491	5			13					
Champaign.....	15,873				17					
Chicago.....	2,701,705	700	99	6	807	12	81	3	271	49
Cicero.....	44,995	8	4		89	1	4		2	1
Decatur.....	43,818	8			47					
East St. Louis.....	66,767	21	1		3					1
Elgin.....	27,454	8			46					
Evanston.....	37,234	13			82		1			
Forest Park.....	10,768		2		8					
Freeport.....	19,669	5			82				1	1
Galesburg.....	23,834	6	2		12		3			
Jacksonville.....	15,713	4			1				1	
Kewanee.....	16,026	5			2					
La Salle.....	13,050	2			1					
Mattoon.....	13,552				25				1	
Oak Park.....	39,858	9			43		4			
Peoria.....	76,121	28			7		4			
Quincy.....	35,978	10	1		35				4	1
Rock Island.....	35,177	9			8					
Rockford.....	65,651	15	2		99	1	2			



## CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Illinois—Continued.										
Springfield.....	59,183	25			11		3		5	1
Urbana.....	10,244				67			1		
Indiana:										
Anderson.....	29,767	7			6		1			1
Bloomington.....	11,595	3			30					
Crawfordsville.....	10,139	2					1			
East Chicago.....	35,967	12	2		41					
Fort Wayne.....	86,549	24	3		35		1			1
Frankfort.....	11,585	2			2		1			
Gary.....	55,378	21			4	2	11			1
Hammond.....	36,004	7	1		4		1			
Huntington.....	14,000	0			3		1			
Indianapolis.....	314,194	83	11	2	680		1		22	6
Kokomo.....	30,067	10	2		22					
La Fayette.....	22,486	10	1		23					1
Laporte.....	15,158	3								
Logansport.....	21,626	10							1	1
Michigan City.....	19,457	4					4			
Mishawaka.....	15,195	4					1		1	
Muncie.....	36,524	13	1		54	1				3
South Bend.....	70,983	17	1	1	3		8		1	2
Terre Haute.....	66,083	11			43		2			
Iowa:										
Burlington.....	24,057	7	2		26					
Cedar Rapids.....	45,566		1				2			
Council Bluffs.....	36,162	4	3	1	1					
Davenport.....	56,727		2		7				1	
Des Moines.....	126,468		6	3			27			
Dubuque.....	39,141		2		1		1			
Muscatine.....	16,068	3			2		1		1	
Sioux City.....	71,227	0			1		2			
Waterloo.....	36,230		1		85		3			
Kansas:										
Atchison.....	12,630						1			
Coffeyville.....	13,452				14				1	
Fort Scott.....	10,693	5								
Hutchinson.....	23,298		1				1		1	
Kansas City.....	101,177		3		349		2		7	
Lawrence.....	12,456	2	1		2					
Parsons.....	16,028	0	1		39					
Topeka.....	50,022	11	2		6		2		5	1
Kentucky:										
Covington.....	57,121	15	1		7		1		1	
Henderson.....	12,169	5			1					1
Lexington.....	41,534	16	1	1	10					2
Louisville.....	234,891	94	3	1	44		1		24	10
Owensboro.....	17,424								1	
Paducah.....	24,735				1				6	
Louisiana:										
New Orleans.....	387,219	124	8	1	9	1	2		20	11
Maine:										
Auburn.....	16,985	3			51		1			1
Bangor.....	25,978				9				3	
Bath.....	14,731	6								
Biddeford.....	18,008	8			1					1
Lewiston.....	31,791	16			14		8			1
Portland.....	69,272	10	3		15		1			2
Sanford (town).....	10,691	2			12					
Waterville.....	13,351		1		2					
Maryland:										
Baltimore.....	733,826	208	21		679	3	143	2	25	17
Cumberland.....	29,837	10			17				1	
Frederick.....	11,066	5								
Massachusetts:										
Adams (town).....	12,967	3			8					
Amesbury (town).....	10,036	3								1
Arlington (town).....	18,665	5	1		3		4		1	
Attleboro.....	19,731	5			1				7	1
Belmont (town).....	10,749	2			17		1		1	
Beverly.....	22,561	2			1		1		1	
Boston.....	748,060	204	55	1	278		87	2	50	9



## CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

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

City	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<b>Montana:</b>										
Billings.....	15,100	2					3			
Great Falls.....	24,121	8	1							
Helena.....	12,037	5			1					
Missoula.....	12,668	10							1	1
<b>Nebraska:</b>										
Lincoln.....	54,948	6	2				1		1	1
Omaha.....	191,601	53	1	1	4		4			2
<b>Nevada:</b>										
Reno.....	12,016	1			1					
<b>New Hampshire:</b>										
Concord.....	22,167	8					4			
Dover.....	13,029	5			2					
Keene.....	11,210	2								
Manchester.....	78,384	16	2		7					
Nashua.....	28,379	8	3		22				1	1
<b>New Jersey:</b>										
Asbury Park.....	12,400	1			12					
Atlantic City.....	50,707	15	2	1	8					
Bayonne.....	76,754								5	
Bloomfield.....	22,019	16	2		2		4			
Clifton.....	26,470	3	2		2				1	
East Orange.....	50,710	7	2		27		1		1	1
Elizabeth.....	95,783		10		12		6		5	
Englewood.....	11,627	3			19		1			
Garfield.....	19,381	2								
Hackensack.....	17,667	7	3		14					
Harrison.....	15,721		1		8					
Hoboken.....	68,166	16	1		1		3		1	
Jersey City.....	298,103		8		11		13		7	
Kearny.....	26,724	2	1		25		1			1
Long Branch.....	13,521	2			2					
Montclair.....	28,810	2	1		49		2			
Morristown.....	12,548	4					2			
Newark.....	414,524	91	12		203	3	12		17	6
Orange.....	33,268	7			4				4	
Passaic.....	63,841	20	1		8		4		1	2
Paterson.....	135,875		9		50		10		5	
Perth Amboy.....	41,707	7	1	1	8		2			
Phillipsburg.....	16,923	4								
Plainfield.....	27,700	7			2				1	1
Summit.....	10,174	5			2				1	
Trenton.....	119,289	31	8		5		6		2	4
Union (town).....	20,651				2				1	
West Hoboken.....	40,074	5	1							
West New York.....	29,926	1			13					
West Orange.....	15,573	1			5		1			1
<b>New Mexico:</b>										
Albuquerque.....	15,157	8		1						3
<b>New York:</b>										
Amsterdam.....	33,524	6			2				1	
Auburn.....	36,192	15	1	1	70				2	
Buffalo.....	503,775	166	6	1	192	3	22			7
Cohoes.....	22,987	7			1					1
Dunkirk.....	19,336	7			13		3			1
Geneva.....	14,648	2								
Hornell.....	15,025	2			8					
Hudson.....	11,745	2	2				1			1
Ithaca.....	17,004	5			12				1	
Lackawanna.....	17,918				9				1	
Little Falls.....	13,029	2								
Lockport.....	21,308	5			1					
Middletown.....	18,420		1		44					
Mount Vernon.....	42,725	10	1						2	
New York.....	5,620,048	1,405	209	9	736	14	237	6	255	129
Newburgh.....	30,366	10							4	1
Niagara Falls.....	50,760	11			4		3		5	
North Tonawanda.....	15,482	7			3		1			
Port Chester.....	16,573	2			17					
Poughkeepsie.....	35,000	18	1	1	1		2		3	1
Rochester.....	295,750	66	5	1	37		5		20	
Rome.....	26,341	10	3				2			2
Saratoga Springs.....	13,181	4			1				1	
Schenectady.....	88,723	19	1		43		6		2	

CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
Syracuse.....	171,717	53	9	.....	296	2	11	1	12	3
Troy.....	72,013	18	.....	.....	5	.....	2	.....	3	2
Watertown.....	31,285	5	.....	.....	1	.....	.....	.....	.....	.....
White Plains.....	21,031	6	.....	.....	8	.....	5	.....	2	.....
Yonkers.....	100,176	27	13	2	13	.....	12	.....	.....	2
North Carolina:										
Durham.....	21,719	4	.....	.....	63	1	.....	.....	.....	.....
Greensboro.....	43,525	11	.....	.....	71	.....	.....	1	.....	.....
Raleigh.....	24,418	12	.....	.....	48	.....	1	.....	.....	2
Rocky Mount.....	12,742	4	.....	.....	.....	.....	.....	.....	.....	1
Wilmington.....	33,372	10	.....	.....	3	.....	.....	.....	.....	2
Winston-Salem.....	48,395	20	.....	.....	54	.....	.....	1	.....	2
North Dakota:										
Grand Forks.....	14,010	.....	.....	.....	.....	.....	9	.....	.....	.....
Ohio:										
Akron.....	208,435	33	3	.....	100	.....	8	.....	13	.....
Ashtabula.....	22,082	11	.....	.....	1	.....	1	.....	1	.....
Barberton.....	18,811	3	.....	.....	17	.....	.....	.....	.....	.....
Bucyrus.....	10,425	3	.....	.....	4	.....	.....	.....	.....	1
Cambridge.....	13,104	4	.....	.....	.....	.....	.....	.....	.....	.....
Canton.....	87,091	.....	1	.....	20	.....	1	.....	.....	.....
Chillicothe.....	15,831	6	.....	.....	3	.....	.....	.....	.....	2
Cincinnati.....	401,247	140	8	.....	83	.....	7	.....	33	11
Cleveland.....	796,841	173	20	1	373	5	120	1	44	15
Cleveland Heights.....	15,236	.....	.....	.....	53	.....	1	.....	.....	.....
Columbus.....	237,031	76	.....	.....	82	2	5	.....	3	6
Coshocton.....	10,847	.....	.....	.....	4	.....	.....	.....	.....	.....
Dayton.....	152,559	34	1	.....	57	.....	17	.....	.....	.....
East Cleveland.....	27,292	4	.....	.....	48	.....	5	.....	2	.....
East Youngstown.....	11,237	0	.....	.....	.....	.....	.....	.....	.....	.....
Findlay.....	17,021	10	.....	.....	.....	.....	.....	.....	.....	.....
Fremont.....	12,468	2	.....	.....	3	.....	.....	.....	.....	.....
Hamilton.....	39,675	4	.....	.....	10	.....	.....	.....	.....	.....
Kenmore.....	12,683	.....	.....	.....	20	.....	.....	.....	.....	.....
Lancaster.....	14,706	6	1	.....	2	.....	.....	.....	.....	.....
Lima.....	41,326	11	1	.....	67	.....	4	.....	.....	.....
Lorain.....	37,295	.....	3	.....	18	.....	10	.....	.....	.....
Mansfield.....	27,824	4	.....	.....	31	.....	.....	.....	.....	.....
Marion.....	27,891	.....	.....	.....	4	.....	.....	.....	.....	.....
Martins Ferry.....	11,634	2	.....	.....	.....	.....	.....	.....	.....	1
Middletown.....	23,594	7	.....	.....	15	1	.....	.....	2	.....
New Philadelphia.....	10,718	.....	.....	.....	4	.....	.....	.....	.....	.....
Newark.....	26,718	5	.....	.....	73	.....	.....	.....	.....	.....
Niles.....	13,080	3	1	.....	2	.....	.....	.....	.....	.....
Norwood.....	24,966	3	.....	.....	24	.....	3	.....	.....	.....
Piqua.....	15,044	4	.....	.....	.....	.....	2	.....	.....	1
Salem.....	10,305	5	.....	.....	1	.....	.....	.....	.....	.....
Sandusky.....	22,897	5	.....	.....	.....	.....	.....	.....	.....	.....
Springfield.....	60,840	10	.....	.....	26	.....	2	.....	.....	2
Steubenville.....	28,508	5	.....	.....	1	.....	.....	1	.....	.....
Tiffin.....	14,375	7	.....	.....	12	.....	1	.....	.....	1
Toledo.....	243,164	77	3	.....	37	.....	41	.....	6	7
Youngstown.....	132,358	26	9	2	78	2	9	.....	2	1
Zanesville.....	29,569	14	1	.....	1	.....	1	.....	.....	2
Oklahoma:										
Oklahoma.....	91,295	20	2	.....	16	.....	4	.....	.....	3
Tulsa.....	72,075	.....	4	.....	4	.....	3	.....	.....	.....
Oregon:										
Portland.....	258,268	61	18	1	1	.....	6	.....	9	3
Pennsylvania:										
Allentown.....	73,502	.....	4	.....	13	.....	7	.....	1	.....
Altoona.....	60,331	.....	.....	.....	1	.....	1	.....	.....	.....
Ambridge.....	12,730	.....	.....	.....	1	.....	2	.....	.....	.....
Beaver Falls.....	12,802	.....	1	.....	7	.....	.....	.....	.....	.....
Bethlehem.....	50,358	.....	5	.....	49	.....	2	.....	.....	.....
Braddock.....	20,879	.....	.....	.....	1	.....	.....	.....	1	.....
Bradford.....	15,525	.....	.....	.....	33	.....	.....	.....	.....	.....
Bristol.....	10,273	.....	.....	.....	1	.....	.....	.....	.....	.....
Butler.....	23,778	.....	3	.....	3	.....	1	.....	.....	.....
Carbondale.....	18,640	.....	.....	.....	1	.....	1	.....	.....	.....
Carlisle.....	10,916	.....	.....	.....	2	.....	.....	.....	.....	.....
Carnegie.....	11,516	.....	1	.....	2	.....	1	.....	.....	.....
Carrick.....	10,504	.....	.....	.....	2	.....	1	.....	.....	.....

## CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Chambersburg.....	13,171				1		1			
Charleroi.....	11,516				8					
Chester.....	58,030		1		8		2			
Coatesville.....	14,515						2			
Dubois.....	13,681		1		31					
Easton.....	33,813				6					
Erie.....	93,372		1		163		4		12	
Farrell.....	15,586		3		8		1			
Greensburg.....	15,033				3					
Harrisburg.....	75,917		1		6					
Hazleton.....	32,277				1		1			
Homestead.....	20,452								1	
Johnstown.....	67,327		3		18		5			
Lancaster.....	53,150		3		20		2			
Lebanon.....	24,643		4		3		1			
McKees Rocks.....	16,713		1		1				1	
McKeesport.....	46,781		1		10					
Meadville.....	14,568				58					
Monessen.....	18,179		1							
Nanticoke.....	22,614		2		5					
New Castle.....	44,938				2					
Norristown.....	32,319		1		1		1			
Oil City.....	21,274				13					
Philadelphia.....	1,823,779	498	67	4	99	1	70	1	82	55
Phoenixville.....	10,484				1					
Pittsburgh.....	588,343		19		115		22		21	
Pittston.....	18,497		1		2		1			
Plymouth.....	16,500		2		1					
Pottstown.....	17,431				2					
Pottsville.....	21,876		1		4					
Reading.....	107,784		3		6		2			
Scranton.....	137,783				73		1		1	
Shamokin.....	21,204				7					
Sharon.....	21,747				9					
Shenandoah.....	24,726		1		1					
Steelton.....	13,428		1		2					
Swissvale.....	10,908				5		1			
Tamaqua.....	12,363				12					
Uniontown.....	15,692		2		4					
Warren.....	14,272				148					
Washington.....	21,480				3					
Wilkes-Barre.....	73,833		2		13		1			
Wilkinsburg.....	24,403				7					
Williamsport.....	36,198		3		18					
Woodlawn.....	12,495		1							
York.....	47,512				22		1			
Rhode Island:										
Cranston.....	29,407	10			9		5		1	1
Cumberland (town).....	10,077	2			2					
Newport.....	30,255	4								
Pawtucket.....	64,218	11	1				1			
Providence.....	237,595	76	6	1	61	2	14			4
South Carolina:										
Charleston.....	67,957	23			1					4
Columbia.....	37,524	19			2				1	1
Greenville.....	23,127	3			3		1			
South Dakota:										
Sioux Falls.....	25,202	8	1		10		2			
Tennessee:										
Chattanooga.....	57,895	0	1							
Knoxville.....	77,818				53				2	2
Memphis.....	162,351	57	7		25	3	4		12	5
Nashville.....	118,342	41			31	4			5	3
Texas:										
Beaumont.....	40,422	5								
Dallas.....	158,976	33	6		9		2		6	
El Paso.....	77,560	38	2		10		2		5	1
Fort Worth.....	106,482		1		2		1		3	3
Galveston.....	44,255	9					1		1	
Houston.....	138,276	40	4				2			1
San Antonio.....	161,379	64	1	1	11		1			11
Waco.....	38,500	10			1	1	1		1	2

CITY REPORTS FOR WEEK ENDED MAY 19, 1923—Continued.

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

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Utah:										
Provo.....	10,303	4			2					
Salt Lake City.....	118,110	23	3				1			
Vermont:										
Barre.....	10,008				54		3			
Burlington.....	22,779	3			114		1			
Rutland.....	14,954	12					1			
Virginia:										
Alexandria.....	18,060	7			40					1
Charlottesville.....	10,688	1			1					
Danville.....	21,539	6			7	1				1
Lynchburg.....	30,070	12			22			1		
Norfolk.....	115,777		5		73		1			3
Petersburg.....	31,012	10			81				3	2
Portsmouth.....	54,387	6			44					1
Richmond.....	171,667	37	1		405	2			4	4
Roanoke.....	50,842	18			39					
Washington:										
Aberdeen.....	15,337								1	
Bellingham.....	25,585								2	
Everett.....	27,644				1					
Seattle.....	315,312		9		36		8		4	
Spokane.....	104,437		10		2				1	
Tacoma.....	96,965		1		3		5		2	
Vancouver.....	12,637						1		3	
Walla Walla.....	15,503				1					
West Virginia:										
Bluefield.....	15,282	7			25		2			1
Charleston.....	39,608	10			45		1		3	1
Clarksburg.....	27,869	9	3		203		3			
Fairmont.....	17,851		1		11					
Huntington.....	50,177	23		3	57				3	3
Martinsburg.....	12,515				5				1	
Morgantown.....	12,127		1							
Moundsville.....	10,669	2								
Parkersburg.....	20,050	6			38		1			
Wheeling.....	56,208	11	2		11		2		6	2
Wisconsin:										
Appleton.....	19,561	10	1		3		1		1	
Ashland.....	11,334	3			13		2			
Beloit.....	21,284	4			108		8			
Eau Claire.....	20,906				6					
Fond du Lac.....	23,427	7			20		3			
Green Bay.....	31,017		2		25		3			
Janesville.....	18,293	4			3					
Kenosha.....	40,472	9	1		3		1		5	
Madison.....	38,378	7	7		77				3	
Manitowoc.....	17,563		1		22		2		1	
Marinette.....	13,610				6					
Milwaukee.....	457,147	109	18	4	22		164		10	6
Oshkosh.....	33,162	12			42		1			
Racine.....	58,593	14	1		18		9		1	
Sheboygan.....	30,955	11	1		8	1	2			1
Stevens Point.....	11,371				10		1			
Superior.....	39,671	4			26					
Waukesha.....	12,558				25		9			
Wausau.....	18,661				42					
West Allis.....	13,745		1		2		7			
Wyoming:										
Cheyenne.....	13,829	4	1				1			

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923.

## ANTHRAX.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
California:				New Jersey:			
Colusa County.....	1			Gloucester County—			
Los Angeles.....			1	Camden.....			1
Total.....	1		1	Hudson County—			
				Hoboken.....		1	
Florida:				Total.....		1	1
Franklin County.....	1			New York:			
				New York.....	1	2	
				Pennsylvania.....		2	3

## CEREBROSPINAL MENINGITIS (EPIDEMIC).

Arizona:				Illinois—Continued.			
Maricopa County.....			1	Douglas County.....	1		
Arkansas:				Franklin County.....	1		
Arkansas County.....			1	Hancock County.....	2		
Cross County.....		1		Henry County.....		1	
Mississippi County.....	1			Kane County.....		2	
Total.....	1	1	1	Knox County.....			1
California:				La Salle County.....			1
Alameda County.....	1		1	Lee County.....	1		
Contra Costa County.....			1	Macoupin County.....			2
Fresno County.....		1	1	Monroe County.....			1
Humboldt County.....	1	1		Sangamon County.....	2		1
Kings County.....	1			Stephenson County.....	1		1
Los Angeles County.....	3	2	2	Warren County.....		1	
Sacramento County.....		1	1	Williamson County.....			1
San Diego County.....	1			Total.....	15	8	25
San Francisco County.....	6	2	4	Indiana:			
Santa Barbara County.....		1		Allen County.....	1		
Tehama County.....			1	Henry County.....	1	2	
Total.....	13	8	11	Laporte County.....		1	
Colorado:				Marion County.....		2	
Delta County.....	1			White County.....	1		
Weld County.....			2	Total.....	3	5	
Total.....	1		2	Iowa:			
Connecticut:				Clinton County.....			1
Fairfield County.....	3	3	1	Delaware County.....	2		
Hartford County.....	1	1	1	Muscatine County.....	1		
Litchfield County.....		1		Polk County.....			1
Middlesex County.....	1			Scott County.....	1		
New Haven County.....	1	3	6	Total.....	4		2
New London County.....	2	1	1	Kansas:			
Total.....	8	9	9	Barton County.....			1
Delaware:				Butler County.....		1	
New Castle County.....	1			Edwards County.....	1		
District of Columbia.....	2		2	McPherson County.....	1		
Florida:				Wyandotte County.....			1
Duval County.....	1		1	Total.....	2	1	2
Hawaii:				Louisiana:			
Kauai.....			1	Caddo Parish.....		1	1
Maua.....			1	Calcasieu Parish.....			1
Oahu.....	1		1	Evangeline Parish.....			1
Total.....	1		3	Lincoln Parish.....		1	
Illinois:				Orleans Parish.....	1	3	2
Adams County.....	1		2	Total.....	1	5	5
Bond County.....		1	1	Maine:			
Bureau County.....			1	Penobscot County.....			1
Cook County.....	6	3	13	Sagadahoc County.....			1
De Kalb County.....			1	Total.....			2
				Maryland:			
				Baltimore City.....	1	2	

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

CEREBROSPINAL-MENINGITIS—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Massachusetts:</b>				<b>New York—Continued.</b>			
Bristol County.....	1	1	1	Tioga County.....			1
Essex County.....	1	2	2	Tompkins County.....	1		
Franklin County.....	1			Wayne County.....	1		
Hampden County.....	2	1		Westchester County.....	1		2
Middlesex County.....	3	1	4	New York City.....	9	11	24
Suffolk County.....	3	4	3	<b>Total.....</b>	<b>16</b>	<b>21</b>	<b>36</b>
Worcester County.....		4	1				
<b>Total.....</b>	<b>11</b>	<b>13</b>	<b>11</b>	<b>North Carolina:</b>			
<b>Minnesota:</b>				Alamance County.....			1
Freeborn County.....	1			Anson County.....	1		
Hennepin County.....	1			Bertie County.....			1
Martin County.....		1		Caswell County.....		1	
Nobles County.....		1		Duplin County.....			1
Stearns County.....			1	Gaston County.....		1	
<b>Total.....</b>	<b>2</b>	<b>2</b>	<b>1</b>	Guilford County.....	1		1
<b>Mississippi:</b>				Halifax County.....	1		
Covington County.....	1			Iredell County.....			1
Jackson County.....		1		McDowell County.....	1		
<b>Total.....</b>	<b>1</b>	<b>1</b>		Northampton County.....			1
<b>Montana:</b>				Pasquotank County.....		1	
Blaine County.....		2		Rockingham County.....		1	
Carbon County.....		1		Warren County.....			1
Cascade County.....	2			<b>Total.....</b>	<b>4</b>	<b>4</b>	<b>7</b>
Chouteau County.....		1		<b>North Dakota:</b>			
Custer County.....	1			Mountrail County.....		1	
Flathead County.....	1	2		<b>Ohio:</b>			
Missoula County.....	1			Athens County.....	1		
Ravalli County.....		1		Columbiana County.....	1		
Sheridan County.....		1		Cuyahoga County.....	1	2	1
Silver Bow County.....		1		Darke County.....	1		1
<b>Total.....</b>	<b>5</b>	<b>9</b>		Erie County.....			1
<b>Nebraska:</b>				Franklin County.....	2		
Box Butte County.....		1		Hamilton County.....	2	1	1
Douglas County.....			1	Mahoning County.....		1	4
Washington County.....	2			Miami County.....	2		
<b>Total.....</b>	<b>2</b>	<b>1</b>	<b>1</b>	Summit County.....			2
<b>New Jersey:</b>				<b>Total.....</b>	<b>9</b>	<b>4</b>	<b>10</b>
Bergen County.....		2		<b>Oregon:</b>			
Burlington County.....	1			Clackamas County.....		1	
Camden County.....			1	<b>Pennsylvania:</b>			
Essex County.....	3	2	2	Allegheny County.....	1	3	3
Hudson County.....	2		5	Berks County.....			1
Middlesex County.....	1	1	1	Bucks County.....		1	
Monmouth County.....	1			Dauphin County.....			2
Morris County.....		1		Fayette County.....			1
Passaic County.....			4	Indiana County.....		1	
Somerset County.....			1	Lackawanna County.....			1
Union County.....			2	Lehigh County.....		1	
<b>Total.....</b>	<b>8</b>	<b>6</b>	<b>16</b>	Luzerne County.....	1	1	
<b>New York:</b>				Mercer County.....		1	
Cortland County.....	1			Monroe County.....		1	
Dutchess County.....		1		Northampton County.....			2
Erie County.....	1	2	2	Philadelphia County.....		3	
Essex County.....	1			Schuylkill County.....		1	
Greene County.....		1		Westmoreland County.....	1	1	1
Jefferson County.....			1	<b>Total.....</b>	<b>3</b>	<b>14</b>	<b>11</b>
Monroe County.....			2	<b>Rhode Island:</b>			
Montgomery County.....			1	Newport County.....	1		
Nassau County.....	1			Providence County.....	1	1	2
Niagara County.....		1	1	<b>Total.....</b>	<b>2</b>	<b>1</b>	<b>2</b>
Rensselaer County.....		2	1	<b>South Carolina:</b>			
Saratoga County.....		1		Anderson County.....	1		1
Schenectady County.....		2		Cherokee County.....			1
Suffolk County.....			1	Greenville County.....			2
				Greenwood County.....		1	
				Lee County.....	2		



STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

CEREBROSPINAL MENINGITIS—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
South Carolina—Continued.				Washington:			
Marlboro County.....		1		Chelan County.....	1		
Richland County.....		1	1	King County.....		1	4
Total.....	3	3	5	Lewis County.....			1
South Dakota:				Okanoan County.....		1	
Brown County.....		1		Walla Walla County.....	1		
Brule County.....	1	1		Total.....	2	2	5
Clay County.....			1	West Virginia:			
Day County.....			2	Doddridge County.....	1		
Davison County.....		1		Randolph County.....		1	
Moody County.....		1		Wirt County.....		1	
Union County.....		1		Total.....	1	2	
Yankton County.....		1	1	Wisconsin:			
Total.....	1	6	4	Adams County.....			1
Virginia:				Bayfield County.....	2		
Augusta County.....		2		Chippewa County.....	1		1
Bland County.....	1			Crawford County.....			2
Campbell County.....	1			Douglas County.....	2		2
Caroline County.....			1	Eau Claire County.....		1	
Essex County.....	1			Milwaukee County.....	2	3	
Giles County.....			2	Outagamie County.....		1	1
Gloucester County.....	1			Pierce County.....		1	
Grayson County.....	1			Sheboygan County.....	2		
Hanover County.....	1	1		Waushara County.....			2
King and Queen County.....		1		Total.....	9	6	9
King William County.....			2	Wyoming:			
Lee County.....	1	3		Laramie County.....	2		
Page County.....	1			Sweetwater County.....	1		
Prince William County.....			1	Total.....	3		
Scott County.....			1				
Stafford County.....		1					
Washington County.....		1					
Total.....	8	9	7				

INFLUENZA.

Alabama:				Hale County.....	1	1	7
Autauga County.....	13	6	22	Henry County.....	32	8	23
Baldwin County.....	59	34	2	Houston County.....	19	16	43
Barbour County.....	132	46	12	Jackson County.....	75	18	22
Bibb County.....	142	16	14	Jefferson County.....	313	154	265
Blount County.....	12		1	Lamar County.....		11	3
Bullock County.....	56	26	41	Lauderdale County.....	158	303	13
Butler County.....	35	33	16	Lawrence County.....	23	16	33
Calhoun County.....	1		13	Lee County.....	63	10	19
Chambers County.....		17	154	Limestone County.....	149	18	22
Cherokee County.....	56	2	35	Lowndes County.....	149	50	8
Chilton County.....	10	3	6	Macon County.....	229	8	9
Choctaw County.....	101	8	5	Madison County.....	53	9	113
Clarke County.....	129	57	53	Marengo County.....	39	30	6
Cleburne County.....	2			Marion County.....	6	2	
Coffee County.....	36	26	17	Marshall County.....	26	32	32
Colbert County.....	37	88	19	Mobile County.....	150	166	46
Conecuh County.....	43	96	16	Monroe County.....	306	33	3
Coosa County.....	37	11	17	Montgomery County.....	148	22	71
Covington County.....	48	32	5	Morgan County.....	10	21	
Crenshaw County.....	85	21	22	Ferry County.....	19	18	14
Cullman County.....	114	12	7	Pickens County.....	127	43	25
Dale County.....	4		6	Pike County.....	25	37	25
Dallas County.....	81	44	59	Randolph County.....	103	24	27
DeKalb County.....	212	4	1	Russell County.....	6	1	26
Elmore County.....	29	5	51	St. Clair County.....	15	32	
Escambia County.....	106	21	15	Shelby County.....	34	6	12
Etowah County.....	226	49	45	Sumter County.....	127	102	26
Fayette County.....	1	3	2	Talladega County.....	589	103	28
Franklin County.....	114	13	10	Tallapoosa County.....	118	41	61
Geneva County.....	13	23	12	Tuscaloosa County.....	98	88	25
Greene County.....	50	1					

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

INFLUENZA—Continued.

Place.	New cases reported.			Place	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Alabama—Continued.</b>				<b>California—Continued.</b>			
Walker County.....	209	76	19	Del Norte County.....		9	6
Washington County.....	9	26	13	Fresno County—			
Wilcox County.....	47	6	4	Fresno.....		14	28
Winston County.....	88	17	19	Scattering.....			2
<b>Total.....</b>	<b>5,607</b>	<b>2,247</b>	<b>1,732</b>	Humboldt County.....			45
<b>Arkansas:</b>				Kern County.....	4	17	4
Arkansas County.....	200	25	6	Kings County.....		59	
Ashley County.....	90	39	2	Lassen County.....	4	1	27
Benton County.....	742	356	122	Los Angeles County—			
Bradley County.....	116	44	31	Eagle Rock.....	5	16	16
Calhoun County.....	55	37	11	Glendale.....	4	26	12
Carroll County.....	172	130	42	Long Beach.....	18	34	17
Chicot County.....	95	30		Los Angeles.....	67	537	341
Clay County.....	53			Monrovia.....		1	11
Clay County.....	29	8	2	Pasadena.....	1	10	11
Cleburne County.....	46			South Pasadena.....		21	3
Cleveland County.....	10	3	3	Scattering.....	24	120	55
Columbia County.....		22	23	Madera County.....			
Conway County.....	389	26		Marin County—			
Craighead County.....	6			San Rafael.....		23	2
Crawford County.....	504			Scattering.....	68	16	
Crawford County.....	120		25	Mariposa County.....		21	16
Drew County.....	132	76	46	Mendocino County—			
Faulkner County.....	367	235	20	Point Arena.....		50	
Franklin County.....	238	179	82	Willits.....			40
Garland County.....	42	54		Scattering.....		5	
Greene County.....	48	40		Merced County—			
Hempstead County.....	183	64	25	Merced.....	2	72	43
Hot Spring County.....	688	146	83	Scattering.....	13	68	19
Izard County.....	482	151		Modoc County.....		39	1
Jackson County.....	69			Monterey County.....		6	
Jefferson County.....	13	75	3	Napa County.....		26	10
Lafayette County.....	2	12	23	Nevada County.....		2	1
Lawrence County.....	100			Orange County—			
Lee County.....	433	87	55	Fullerton.....	10	18	3
Logan County.....	316	17	3	Orange.....		16	
Lonoke County.....	252	114	12	Santa Ana.....	8	42	9
Marion County.....	41	60	45	Scattering.....	11	50	70
Miller County.....		9	12	Placer County.....			3
Mississippi County.....	14	4	7	Riverside County.....	3	16	9
Monroe County.....	165	71	4	Sacramento County—			
Montgomery County.....	14	44	5	Sacramento.....	2	4	13
Ouachita County.....	134	176	52	Scattering.....	1		2
Perry County.....	4	66	39	San Benito County.....	1	1	2
Phillips County.....	39			San Bernardino			
Pike County.....	214	95	77	County—			
Pulaski County.....	1,052	85	60	Chino.....			37
Randolph County.....		43	14	Scattering.....	1	33	5
St. Francis County.....	219	39	17	San Diego County—			
Scott County.....	1,000			National City.....	34	25	1
Sebastian County.....	278	38	12	Oceanside.....	3	59	
Sharp County.....	87			San Diego.....	7	61	18
Union County.....	74	91	37	Scattering.....	2	24	3
Washington County.....	138	88	22	San Francisco County—			
White County.....	200	215		San Francisco.....	179	454	81
Woodruff County.....	82	65	98	San Joaquin County—			
<b>Total.....</b>	<b>9,747</b>	<b>3,159</b>	<b>1,120</b>	Stockton.....	8	35	53
<b>California:</b>				Scattering.....	1	52	16
Alameda County—				San Luis Obispo County.....	2		2
Berkeley.....	34	709	163	San Mateo County—			
Oakland.....	18	121	25	Daly City.....		63	2
Scattering.....	4	28	13	San Mateo.....		7	52
Amador County.....			10	Scattering.....		1	1
Butte County—				Santa Barbara County.....		4	19
Chico.....		9	12	Santa Clara County—			
Scattering.....		2	8	Gilroy.....	4	17	
Calaveras County.....		9	10	Santa Clara.....		17	30
Contra Costa County—				Scattering.....	6	15	1
Concord.....		24		Santa Cruz County—			
Hercules.....		11		Santa Cruz.....		41	2
Walnut Creek.....	5	15	14	Scattering.....		4	
Scattering.....	3	4		Shasta County—			
				Redding.....	8	17	7
				Scattering.....	7	56	60
				Siskiyou County.....	3	6	14

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923.—Con.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>California—Continued.</b>				<b>Florida—Continued.</b>			
Solano County—				Holmes County.....	5		1
Vacaville.....	1	30	4	Jackson County.....			4
Scattering.....		37	4	Jefferson County.....			1
Sonoma County—				Lake County.....			1
Petaluma.....	17	115	7	Leon County.....			1
Santa Rosa.....	1	47	1	Levy County.....		1	
Scattering.....		377	48	Madison County.....			2
Stanislaus County—				Manatee County.....			1
Newman.....		3	12	Marion County.....			1
Scattering.....	2	37	70	Monroe County.....		3	
Tehama County.....	3	17	1	Orange County.....			1
Tulare County—				Osceola County.....			1
Porterville.....		12	1	Palm Beach County.....	22		1
Scattering.....	4	15	10	Pasco County.....	2		2
Tuolumne County.....			8	Pinellas County—			
Ventura County—				St. Petersburg.....	24	6	2
Santa Paula.....		18	4	Scattering.....	6		
Scattering.....		5		Polk County.....			2
Yolo County.....		8	1	Putnam County.....	8		5
Total.....	603	3,965	1,651	St. Johns County.....	4	1	3
<b>Connecticut:</b>				St. Lucie County.....			1
Fairfield County.....	64	127	32	Seminole County.....	33	4	3
Hartford County.....	102	339	139	Sumter County.....			2
Litchfield County.....	50	176	47	Union County.....	11		
Middlesex County.....		473	303	Volusia County.....		8	2
New Haven County.....	11	144	109	Total.....	473	170	98
New London County.....	57	98	93	<b>Hawaii:</b>			
Tolland County.....			35	Hawaii.....	3	1	
Windham County.....		8	7	Kauai.....		11	1
Total.....	284	1,365	765	Mauli.....	16	10	4
<b>Delaware:</b>				Molokai.....	5	17	
Kent County—				Oahu.....	8	38	22
Dover.....	52	11		Total.....	32	77	27
Scattering.....	9	1		<b>Idaho:</b>			
New Castle County—				Madison County.....			25
Delaware.....	23	13	2	Owyhee County.....			19
St. Georges.....	37	23	7	Total.....			44
Wilmington.....	22	2		<b>Illinois:</b>			
Scattering.....	11	6	1	Adams County.....	96	400	62
Sussex County—				Alexander County.....	4	5	5
Dagsboro.....	12			Bond County.....	3	1	
Frankford.....		16		Boone County.....			1
Laurel.....	24	18	14	Brown County.....	4		7
Scattering.....	20	1	5	Bureau County.....	1	12	
Total.....	210	91	29	Carroll County.....		18	9
<b>District of Columbia</b> .....				Cass County.....	2		1
	229	80	55	Champaign County.....	3	57	14
<b>Florida:</b>				Christian County.....			23
Alachua County.....			4	Clark County.....		17	6
Baker County.....	3			Clay County.....	27	78	20
Bay County.....			1	Clinton County.....		11	7
Bradford County.....	2			Coles County.....	2	9	13
Brevard County.....	60		1	Cook County.....	395	1,685	540
Broward County.....	17	31	2	Crawford County.....	7	6	3
Charlotte County.....			1	Cumberland County.....			3
Citrus County.....		1		De Kalb County.....		17	4
Clay County.....		3	1	Douglas County.....		30	273
Columbia County.....	30	13	2	Du Page County.....		38	13
Dade County—				Edgar County.....	13	78	8
Miami.....	38	14	5	Effingham County.....	1		6
Scattering.....	2	1	1	Fayette County.....			18
Duval County—				Ford County.....	25		3
Jacksonville.....	118	46	22	Franklin County.....	7	11	13
Scattering.....	14	5		Fulton County.....	1	8	9
Escambia County.....	1			Gallatin County.....		37	1
Gadsden County.....	44	16	10	Greene County.....		20	1
Hamilton County.....			1	Grundy County.....		5	4
Highlands County.....			1	Hamilton County.....			1
Hillsborough County—				Hancock County.....	14	22	23
Tampa.....	23	14	7	Henderson County.....		1	7
Scattering.....	6	3	2	Henry County.....	5	2	6

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Illinois—Continued.				Indiana—Continued.			
Iroquois County.....	2	11	2	Harrison County.....	4	10	
Jackson County.....	10	2	13	Hendricks County.....	50	15	
Jasper County.....	23	5	5	Jackson County.....	7	.....	
Jefferson County.....	27	18	8	Jasper County.....	2	5	
Jersey County.....	3	2	.....	Jennings County.....	2	12	2
Jo Daviess County.....	1	26	24	Kosciusko County.....	1	.....	
Johnson County.....	18	13	9	Lagrange County.....	14	85	2
Kane County.....	7	44	15	Lake County.....	10	18	
Kankakee County.....	3	16	14	Laporte County.....	120	.....	
Knox County.....	1	1	2	Lawrence County.....	11	4	
Lake County.....	1	.....	6	Marion County.....	108	7	
La Salle County.....	.....	9	3	Martin County.....	42	130	82
Lawrence County.....	.....	2	2	Monroe County.....	.....	.....	3
Lee County.....	.....	35	3	Montgomery County.....	1	26	.....
Livingston County.....	20	19	6	Newton County.....	.....	.....	3
Logan County.....	.....	6	43	Orange County.....	6	14	11
McDonough County.....	.....	1	.....	Parke County.....	.....	.....	19
McHenry County.....	.....	.....	14	Perry County.....	.....	25	12
McLean County.....	.....	.....	7	Scott County.....	.....	25	.....
Macon County.....	8	45	16	Spencer County.....	.....	8	.....
Macoupin County.....	3	11	5	Steuben County.....	3	.....	4
Madison County.....	15	64	14	Switzerland County.....	.....	38	321
Marion County.....	.....	4	1	Tippecanoe County.....	.....	.....	1
Marshall County.....	.....	1	3	Vanderburgh County.....	2	.....	.....
Mason County.....	.....	14	.....	Vermillion County.....	.....	30	.....
Massac County.....	10	4	2	Wayne County.....	.....	.....	8
Menard County.....	2	14	8	White County.....	.....	48	34
Mercer County.....	11	19	6				
Monroe County.....	.....	6	.....	Total.....	132	888	731
Montgomery County.....	4	2	27				
Morgan County.....	4	1	13	Kansas:			
Ogle County.....	1	4	1	Allen County.....	.....	2	.....
Peoria County.....	3	43	19	Atchison County—	.....	.....	.....
Perry County.....	.....	.....	3	Effingham.....	.....	.....	12
Piatt County.....	4	14	2	Scatterling.....	.....	2	1
Pike County.....	15	65	45	Barber County—	.....	.....	.....
Pope County.....	3	3	2	Kiowa.....	.....	51	.....
Pulaski County.....	23	6	1	Hardtner.....	.....	2	.....
Putnam County.....	.....	2	1	Barton County—	.....	.....	.....
Randolph County.....	.....	.....	2	Hoisington.....	11	.....	.....
Richland County.....	11	.....	1	Scatterling.....	8	4	1
Rock Island County.....	5	12	16	Bourbon County.....	2	9	.....
St. Clair County.....	22	14	29	Brown County—	.....	.....	.....
Saline County.....	.....	3	6	Hiawatha.....	3	20	.....
Sangamon County.....	1	8	25	Scatterling.....	.....	6	.....
Schuyler County.....	3	.....	2	Butler County—	.....	.....	.....
Scott County.....	.....	.....	14	Augusta.....	8	147	9
Shelby County.....	8	2	3	Beaumont.....	.....	12	.....
Stark County.....	.....	11	.....	Benton.....	13	43	.....
Stephenson County.....	3	8	13	Douglass.....	227	62	7
Tazewell County.....	.....	1	5	Eldorado.....	2	42	1
Union County.....	57	76	89	Latham.....	.....	11	.....
Vermilion County.....	1	17	16	Scatterling.....	8	78	11
Wabash County.....	.....	.....	1	Chase County.....	.....	8	10
Warren County.....	.....	1	2	Cherokee County—	.....	.....	.....
Washington County.....	27	23	11	Baxter Springs.....	23	71	.....
Wayne County.....	68	18	10	Chetopa.....	1	91	.....
White County.....	3	4	1	Columbus.....	155	38	6
Whiteside County.....	.....	2	2	Galena.....	53	15	3
Will County.....	13	3	8	Faulkner.....	.....	38	.....
Williamson County.....	1	6	16	Hallowell.....	17	28	.....
Winnebago County.....	.....	11	13	McCune.....	18	6	.....
Woodford County.....	1	35	3	Scammon.....	5	20	.....
				West Mineral.....	16	23	.....
Total.....	1,032	3,371	1,737	Weir.....	12	6	1
				Scatterling.....	21	25	1
Indiana:				Cheyenne County.....	.....	5	.....
Bartholomew County.....	.....	6	24	Clark County.....	.....	.....	2
Blackford County.....	.....	10	13	Coffey County.....	.....	1	.....
Brown County.....	4	20	.....	Comanche County—	.....	.....	.....
Cass County.....	.....	22	.....	Protection.....	.....	25	6
Clay County.....	2	40	91	Cowley County.....	.....	.....	1
Crawford County.....	47	10	20	Crawford County—	.....	.....	.....
Elkhart County.....	.....	15	15	Arcadia.....	46	8	.....
Grant County.....	.....	15	12	Arma.....	21	61	.....

## STATE REPORTS FOR. JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Kansas—Continued.</b>				<b>Kansas—Continued</b>			
Crawford County—Con.				Morton County—			
Girard.....	2	18	6	Rolla.....	2	102	4
Scattering.....	28	19	13	Nemaha County.....	2	11	1
Decatur County—				Neosho County—			
Dresden.....	1	33	4	Eric R. F. D.....		17	
Jennings.....	15	31	1	Stark.....		97	
Lebanon.....		15	1	Thayer.....		22	7
Norcuter.....		14		Scattering.....		19	
Oberlin.....		18		Norton County—			
Scattering.....	7	10	3	Norton.....	7	29	2
Dickinson County.....		9		Scattering.....	11	19	
Doniphan County—				Osage County.....		5	9
Doniphan.....	12	4		Phillips County.....			3
Watkins.....	6	14	2	Rawlins County—			
White Cloud.....	4	15		Atwood.....		15	3
Scattering.....		5		Scattering.....		4	2
Douglas County.....	8	5	4	Reno County—			
Elk County—				Hutchinson.....	1	11	
Howard.....		29	27	Scattering.....		17	1
Scattering.....		6		Republic County.....	5	5	1
Ellis County.....	1			Rice County—			
Ellsworth County.....			2	Chase.....	22		
Finney County—				Geneseo.....	13	12	5
Garden City.....		51		Scattering.....	8	8	
Scattering.....	1	9		Riley County.....		4	
Ford County.....				Rush County.....	1		
Dodge City.....		6	34	Russell County—			
Scattering.....	2	9		Lucas.....		24	
Franklin County.....	1			Scattering.....		3	4
Geary County.....		2		Saline County—			
Graham County—				Salina.....	33	49	7
Hill City.....		31		Scattering.....		2	
Scattering.....		10		Sedgewick County.....	4	6	
Gray County.....	8	2	1	Seward County.....	1	4	
Greenwood County—				Shawnee County.....		5	2
Eureka.....	3	62	2	Sheridan County—			
Hamilton.....		14	7	Decatur R. F. D.....		16	
Severy.....	11	15	2	Hoxie.....	2	48	1
Scattering.....	3	18	1	Selden.....	27	44	9
Hamilton County.....	1			Scattering.....	7	10	8
Harper County.....			1	Sherman County.....		1	4
Haskell County—				Smith County.....		22	1
Copeland.....		16		Stafford County.....			3
Scattering.....		10	2	Stanton County.....		9	
Jackson County.....		6		Stevens County.....	8	78	1
Jefferson County.....	6		2	Sumner County—			
Johnson County—				Argonia.....		11	1
Olathe.....		11		Conway Springs.....		31	19
Scattering.....	2	1		Hunnewell.....	1	21	2
Kearny County.....		1	2	South Haven.....		41	16
Kiowa County—				Viola R. F. D.....		23	1
Haviland.....	14			Wellington.....	1	51	1
Labette County.....		1	5	Scattering.....	8	16	4
Lane County.....	3			Thomas County—			
Lincoln County—				Rexford.....	1	10	13
Beverly.....		40		Scattering.....	9	5	1
Lincoln.....	16	60		Wabaunsee County.....		29	2
Scattering.....	4	10	1	Wilson County—			
Linn County—				Altoona.....		16	
Mound City.....		20	1	Benedict.....		15	
Parker.....	10	56	1	Buffalo.....	1	11	
Parker R. F. D.....			13	Fredonia.....	62	289	20
Pleasantson.....	5	36	15	Lafontaine.....	2	14	
Scattering.....	4	13	3	Scattering.....	1	18	
Lyon County.....		10	1	Woodson County—			
Marion County—				Yates Center.....	1	79	
Florence.....		43	8	Scattering.....	4	7	
Hillsboro.....	2	88	9	Wyandotte County—			
Marion.....	8	43	4	Kansas City.....	2	27	11
Peabody.....	13	16		Kansas City R. F. D.....		1	
Scattering.....	3	29	2	State institutions.....	27	61	1
Marshall County.....	2	7					
Meade County.....	1	2					
Miami County.....	1	10					
Montgomery County—							
Coffeyville.....	1	13	2				
Independence.....		13					
Scattering.....		5	2				
				<b>Total.....</b>	<b>1,153</b>	<b>3,493</b>	<b>426</b>
				<b>Louisiana:</b>			
				Acadia Parish.....		15	
				Allen Parish.....	5	273	95

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Louisiana—Continued.				Maryland—Continued.			
Ascension Parish.....		73	84	Charles County—			
Assumption Parish.....		52	68	Indianhead Proving			
Avozelles Parish.....	75	60	40	Grounds.....	2	18	
Beauregard Parish.....		155		Rural districts.....	127	449	179
Bienville Parish.....	7		1	Dorchester County—			
Bossier Parish.....		80		Cambridge.....	71	140	51
Caddo Parish.....		51	40	Rural districts.....	168	291	91
Calcasieu Parish.....		127	91	Frederick County—			
Caldwell Parish.....		11	21	Frederick.....	7	75	55
Catahoula Parish.....	16	3		Rural districts.....	45	326	88
Claiborne Parish.....		2	10	Garrett County—	3	239	105
Concordia Parish.....	12	2		Harford County—			
De Soto Parish.....	62	131	13	Havre de Grace.....		15	
East Baton Rouge				Bel Air.....		45	
Parish.....	39	50	5	Rural districts.....	164	310	94
East Carroll Parish.....	20	42	14	Howard County.....	43	192	77
East Feliciana Parish.....	25	152	132	Kent County—			
Evangeline Parish.....	1			Chestertown.....		29	
Franklin Parish.....	45	3		Rural districts.....	61	137	13
Grant Parish.....	3	16		Montgomery County.....	80	523	80
Iberia Parish.....		30	3	Prince Georges County—			
Iberville Parish.....	42	140	32	Laurel.....	12		
Jackson Parish.....		1		Rural districts.....	167	410	97
Jefferson Parish.....		2		Queen Annes County.....	58	57	10
Jefferson Davis Parish.....	15	237	46	St. Marys County.....	4	281	74
Lafayette Parish.....	5	117	284	Somerset County—			
Lincoln Parish.....	4			Crisfield.....	23		
Livingston Parish.....			51	Rural districts.....	110	312	149
Madison Parish.....		2	1	Talbot County—			
Natchitoches Parish.....	38	89	78	Easton.....	69	16	
Orleans Parish.....	28		161	Rural districts.....	109	162	75
Ouachita Parish.....	1	4	5	Washington County—			
Plaquemines Parish.....		14	37	Hagerstown.....	41	570	99
Pointe Coupee Parish.....		69	13	Rural districts.....	24	393	117
Rapides Parish.....	28	29		Wicomico County—			
Red River Parish.....	5	5	2	Salisbury.....	44	47	2
Richland Parish.....	19	65	2	Rural districts.....	57	167	15
Sabine Parish.....		122		Worcester County—			
St. Charles Parish.....	2	90	43	Pocomoke.....	6	17	8
St. Helena Parish.....	306		125	Snow Hill.....	6	25	12
St. James Parish.....		8		Rural districts.....	194	187	45
St. John Parish.....		100		Total.....	4,018	10,867	2,626
St. Landry Parish.....	36	60	22	Massachusetts:			
St. Mary Parish.....	3	147	77	Barnstable County.....		4	2
St. Tammany Parish.....			8	Berkshire County—			
Tangipahoa Parish.....	103	65	5	Pittsfield.....	1	13	12
Terrebone Parish.....		28		Scattering.....	1	10	6
Vermilion Parish.....		9		Bristol County—			
Vernon Parish.....		9		Attleboro.....	4	34	36
Washington Parish.....	24	68	84	Fall River.....	5	5	15
Webster Parish.....	2		5	New Bedford.....	4	15	2
West Baton Rouge				Scattering.....	9	10	14
Parish.....		1		Dukes County.....	2		4
West Feliciana Parish.....		37	12	Essex County—			
Total.....	972	2,846	1,710	Andover.....	15	14	9
Maryland:				Haverhill.....	12	60	5
Allegany County—				Lexington.....		15	
Cumberland.....	26	359	80	Lowell.....		22	
Frostburg.....	6	73	11	Lynn.....	3	6	18
Westernport.....	15	64	18	Newburyport.....	7	15	3
Rural districts.....	36	181	63	Saugus.....	30	32	19
Anne Arundel County—				Winthrop.....		11	
Annapolis.....	124	121	11	Scattering.....	17	30	10
Camp Meade.....	2	24		Franklin County.....	10		1
Rural districts.....	58	266	44	Hampden County—			
Baltimore City.....	1,462	2,643	423	Springfield.....	4	59	9
Baltimore County.....	136	490	128	Scattering.....	2	16	12
Calvert County.....	22	252	8	Hampshire County—			
Caroline County.....	166	165	47	South Hadley.....		10	19
Carroll County—				Scattering.....	1	5	5
Westminster.....	56	51	13	Middlesex County—			
Rural districts.....	173	590	179	Cambridge.....	32	27	13
Cecil County.....	41	155	27	Concord.....	37	21	3

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Massachusetts—Continued.</b>				<b>Mississippi—Continued.</b>			
Middlesex County—Con.				George County	852	124	4
Everett	60	24	31	Greene County	1,039	108	22
Lowell	18		12	Grenada County	307	126	50
Malden	7	8	12	Hancock County	119	119	12
Tyngsboro	16	26	6	Harrison County	636	590	82
Waltham	64	315	43	Hinds County	1,066	786	386
Scattering	35	13	25	Holmes County	842	623	405
Norfolk County—				Humphreys County	479	290	94
Braintree	15	93	12	Issaquena County	14	34	10
Scattering	16	22	14	Itawamba County		49	17
Plymouth County—				Jackson County	379	188	3
Plymouth		17	7	Jasper County	550	387	94
Scattering	9	14	2	Jefferson County	209	100	33
Suffolk County—				Jefferson Davis County	1,626	179	38
Boston	154	114	57	Jones County	704	336	106
Scattering	12	2	6	Kemper County	385		90
Worcester County—				Lafayette County	655	294	243
Templeton		42	18	Lamar County		13	30
Worcester	9	24	4	Lauderdale County	786	407	149
Scattering		14	20	Lawrence County	960	148	12
Total	611	1,162	486	Leake County	1,455	193	63
				Lee County	714	210	241
<b>Minnesota:</b>				Leflore County	2,342	373	171
Anoka County			1	Lincoln County	968	239	13
Becker County			5	Lowndes County	289	336	263
Brown County			1	Madison County	335	70	32
Clearwater County		1	3	Marion County	700	516	100
Cottonwood County		1	1	Marshall County	75	80	110
Crow Wing County		1		Monroe County	798	321	134
Douglas County			1	Montgomery County	555	110	45
Faribault County			1	Neshoba County	50		
Freeborn County		2		Newton County	61	98	97
Grant County			1	Noxubee County	511	142	50
Hennepin County		4		Oktibbeha County	477	178	71
Kandiyohi County			1	Panola County	818	191	129
Kittson County			1	Pearl River County	496	299	89
Lyon County			1	Perry County	149	27	45
Martin County			2	Pike County	529	307	281
Meeker County			1	Pontotoc County	206	40	23
Nicollet County			75	Prentiss County	489	107	32
Nobles County			1	Quitman County	342	101	34
Olmsted County—				Rankin County	213	51	3
Eyota Township		13	13	Scott County	472	239	266
Scattering		10	8	Sharkey County	286	49	35
Ottertail County		3	4	Simpson County	242	80	46
Pinestone County	1			Smith County	900	40	56
Polk County			1	Stone County	461	101	
Redwood County			1	Sunflower County	1,608	539	282
Renville County			1	Tallahatchie County	829	249	148
St. Louis County		1		Tate County	652	206	178
Stearns County		6	2	Tippah County	1,195	51	51
Steele County			1	Tishomingo County	1,495	61	116
Wright County			1	Tunica County	210	137	134
Total	1	42	128	Union County	695	175	16
				Walthall County	246	415	22
<b>Mississippi:</b>				Warren County	131	153	50
Adams County	48	30	10	Washington County	432	132	153
Alcorn County	523	168	174	Wayne County		16	4
Amite County	380	100	76	Webster County		90	56
Attala County	281	19	21	Wilkinson County	181	210	228
Benton County	185	63		Winston County	280	45	
Bolivar County	2,949	792	597	Yalobusha County	882	285	147
Carroll County	754	198	85	Yazoo County	1,065	601	92
Chickasaw County	917	131	247	Total	48,240	16,411	8,133
Choctaw County	275	58	14				
Claiborne County	120	135	75	<b>Nebraska:</b>			
Clarke County	116	132		Cherry County			18
Clay County	578	118	121	Colfax County		1	
Coahoma County	712	286	195	Douglas County		3	
Copiah County	1,442	728	231	Fillmore County	4		
Covington County	1,048	77	27	Franklin County	13	17	40
De Soto County	319	215	200	Johnson County		6	
Forest County	939	214	49	Keyapaha County			39
Franklin County	212	183	25	Lancaster County			20
				Lincoln County	2	58	21

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Nebraska—Continued.</b>				<b>New York—Continued.</b>			
Madison County		20		Chenango County—			
Nemaha County	5	97	114	Guilford	105		87
Otoe County	1			Oxford	12		
Redwillow County		6		Oxford Village	14		
Saline County		75	168	Scattering	1	12	14
Sarpy County	10	100		Columbia County—			
Saunders County	158	134	69	Clermont			15
Thayer County		3		Scattering	3	13	3
Washington County		8	16	Cortland County—			
Webster County		4		Harford	13	11	
Total	193	532	505	Scattering		7	
<b>New Jersey:</b>				Delaware County—			
Atlantic County	1	38	2	Hawden	2	18	70
Bergen County	21	78	31	Roxbury		14	
Burlington County	57	39	6	Walton			11
Camden County	8		4	Scattering	4	1	8
Cape May County	19	16	15	Dutchess County—			
Cumberland County	8	9	6	Hyde Park	1	134	6
Essex County	139	1,019	309	Red Hook		24	24
Gloucester County	3			Red Hook Village		48	31
Hudson County	28	335	113	Scattering	8	21	9
Hunterdon County		2		Erie County			
Mercer County	11	125	40	Buffalo	39	58	28
Middlesex County	4	37	18	Scattering	8	4	6
Monmouth County	3	51	43	Essex County			3
Morris County	13	33	3	Franklin County—			
Passaic County	25	78	22	Waverly		12	4
Salem County		1		Scattering			2
Somerset County	2	24	46	Fulton County		3	
Sussex County	1	16	11	Genesee County	1	5	
Union County	2	3	2	Greene County—			
Total	345	1,904	671	Cairo	1	13	33
<b>New York:</b>				Hamilton County	1	1	
Albany County—				Herkimer County—			
Albany	144	752	196	Little Falls	2	97	93
Cohoes	4	44	11	Scattering	1	14	6
Scattering	2	4	4	Jefferson County—			
Allegany County—				Watertown	11		4
Belfast		22	6	Scattering		1	3
Burns		10	24	Livingston County	1	5	2
Canaseraga Village		47	17	Madison County—			
Cuba Village			11	Stockbridge		15	
Rushford		13	32	Scattering		1	5
Scattering		6	10	Monroe County—			
Broome County—				Rochester	7	27	9
Binghamton	31	349	124	Brighton		25	6
Penton		22	15	Pittsford Village			1
Scattering		8	14	Montgomery County—			
Cattaraugus County—				Amsterdam	112	117	134
Conewango	14			Fultonville	8	20	5
Farmersville		17	7	Fonda	14	18	8
Portville	3	11	1	Scattering	6	23	16
Portville Village		16	9	Nassau County—			
Scattering	3	9	4	Hempstead	7	20	11
Cayuga County—				North Hempstead			
Auburn		32	8	Township	5	40	9
Springport	1	2	18	Oyster Bay	6	3	12
Union Springs Village				Scattering	4	8	4
Scattering		8	60	Niagara County—			
Chautauqua County—				Hartland		2	25
Dunkirk	2	343	429	Lockport	51	264	12
Ellington		14		Niagara Falls		14	8
Jamestown	31	9	5	North Tonawanda	6	14	
North Harmony		22	21	Royalton		13	
Panama Village		1	32	Scattering			3
Villanova	6	16	1	Oneida County—			
Scattering	1	7	13	Annsville		27	
Chemung County—				Camden		22	2
Catlin		17	13	Camden Village	7	45	3
Scattering	2	1		Florence	1	17	1
				Utica	48	60	1
				Western		14	17
				Scattering	3	16	5
				Onondaga County—			
				Cicero	20	35	
				Clay	19	4	



## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
New York—Continued.				New York—Continued.			
Onondaga County—Con.				Washington County....	1	4	5
Fayetteville.....	12	.....	.....	Wayne County—			
Skaneateles.....	7	18	17	Savannah.....	1	18	3
Syracuse.....	13	13	.....	Savannah Village....	4	11	6
Scattering.....	10	4	1	Sodus.....	6	26	17
Ontario County—				Sodus Village.....	4	70	29
Phelps.....	.....	16	3	Williamson.....	.....	17	27
Phelps Village.....	1	15	6	Scattering.....	1	5	10
Scattering.....	5	9	6	Westchester County—			
Orange County—				Bedford.....	.....	19	10
Chester Village.....	17	20	36	Croton on Hudson....	.....	.....	46
Crawford.....	11	2	15	Greenburg.....	.....	11	.....
Middletown.....	27	42	2	Mount Kisco Village..	1	60	71
Walden Village.....	51	66	43	Mount Vernon.....	9	143	58
Scattering.....	15	27	23	Newcastle.....	.....	15	.....
Orleans County.....	.....	4	2	Peekskill Village....	22	13	22
Oswego County.....	3	3	12	Port Chester Vil- lage.....	.....	14	3
Otsego County—				Scattering.....	8	12	19
Hartwick.....	3	48	84	Wyoming County—			
Otego.....	45	12	.....	Silver Springs.....	.....	16	9
Otego Village.....	27	14	.....	Genesee Falls.....	.....	.....	16
Pittsfield.....	2	.....	12	State institutions....	51	93	76
Rosebloom.....	13	.....	.....	New York City.....	1,274	10,993	2,977
Scattering.....	.....	.....	11	Total.....	2,601	16,363	6,542
Putnam County—				Ohio:			
Cold Spring Village..	.....	12	13	Adams County.....	3	.....	.....
Scattering.....	.....	6	9	Allen County.....	1	143	3
Rensselaer County—				Ashland County.....	5	4	1
Berlin.....	.....	5	12	Ashtabula County....	16	161	34
Pittstown.....	2	11	31	Athens County.....	352	215	11
Stephentown.....	2	1	15	Belmont County.....	14	70	10
Valley Falls Village..	4	28	11	Brown County.....	13	.....	10
Scattering.....	3	8	8	Butler County.....	41	18	1
Rockland County—				Carroll County.....	.....	63	9
Haverstraw Village..	14	216	112	Champaign County....	25	28	3
Letchworth Village....	.....	.....	13	Clark County.....	36	24	.....
West Haverstraw Village.....	.....	5	36	Clermont County.....	.....	1	.....
Scattering.....	.....	13	8	Clinton County.....	.....	1	.....
St. Lawrence County—				Columbiana County....	4	24	11
Colton.....	.....	.....	20	Coshocton County.....	.....	1	6
Hopkinton.....	3	19	.....	Crawford County....	.....	2	2
Lawrence.....	.....	24	.....	Cuyahoga County.....	347	388	146
Potsdam.....	.....	52	5	Darke County.....	.....	5	7
Potsdam Village.....	.....	64	59	Defiance County.....	.....	43	13
Scattering.....	.....	1	9	Delaware County....	3	4	2
Saratoga County—				Erie County.....	4	2	2
Saratoga Springs....	48	225	50	Fairfield County.....	.....	.....	1
Scattering.....	1	7	14	Franklin County.....	565	36	14
Schenectady County—				Gallia County.....	46	.....	.....
Schenectady.....	7	17	41	Guernsey County.....	3	116	6
Rotterdam.....	.....	30	.....	Hamilton County....	107	52	8
Schuyler County—				Hancock County.....	.....	10	1
Dix.....	.....	11	41	Hardin County.....	.....	4	.....
Orange.....	.....	.....	34	Harrison County.....	18	22	2
Montour Falls Vil- lage.....	.....	.....	1	Henry County.....	.....	9	10
Seneca County.....	14	9	.....	Highland County....	105	47	13
Steuben County—				Hocking County.....	30	74	.....
Wayland Village.....	.....	18	1	Huron County.....	.....	8	.....
Scattering.....	2	19	12	Jefferson County.....	.....	6	3
Suffolk County—				Knox County.....	.....	10	.....
Islip.....	129	71	313	Lake County.....	1	2	.....
Northport Village....	6	11	3	Lawrence County....	8	.....	1
Riverhead.....	6	90	43	Licking County.....	36	6	1
Scattering.....	10	13	21	Lorain County.....	1	20	3
Sullivan County.....	4	2	6	Lucas County.....	2	9	6
Tioga County—				Madison County.....	86	76	.....
Owego Village.....	17	153	46	Mahoning County....	41	18	8
Scattering.....	.....	7	7	Marion County.....	50	7	1
Tompkins County.....	4	8	.....	Medina County.....	30	115	29
Ulster County—				Miami County.....	87	52	1
Shawangunk.....	11	17	8	Monroe County.....	1	1	6
Scattering.....	5	20	17	Montgomery County..	7	5	1
Warren County.....	.....	1	.....				

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Ohio—Continued.</b>				<b>South Dakota—Continued.</b>			
Morgan County.....	21	12	33	Hughes County.....			58
Morrow County.....	21	76	13	Hutchinson County.....			18
Muskingum County.....			1	Hyde County.....			7
Noble County.....		45	9	Jones County.....	2		
Ottawa County.....		11	19	Lake County.....			1
Pickaway County.....	4			Minnehaha County.....	2	12	
Portage County.....		2	1	Sully County.....			8
Putnam County.....	5	2		<b>Total.....</b>	<b>4</b>	<b>24</b>	<b>102</b>
Richland County.....	1	2	21	<b>Vermont:</b>			
Ross County.....	163	20	1	Addison County.....	1		
Sandusky County.....	19	3		Bennington County.....			15
Scioto County.....	4	5	6	Windsor County.....	1		
Seneca County.....	43	18	9	<b>Total.....</b>	<b>2</b>		<b>15</b>
Shelby County.....	235	520	14	<b>Virginia:</b>			
Stark County.....	14	55	11	Accomac County.....	1,675	2,013	711
Summit County.....	22	35	11	Albemarle County.....	17		8
Trumbull County.....		4		Alexandria city.....		5	
Tuscarawas County.....		1		Atleghany County.....	880	285	100
Union County.....	61	205	9	Amelia County.....	450	64	39
Vinton County.....	8			Amherst County.....	259	122	38
Warren County.....		3	1	Appomattox County.....	40	12	12
Washington County.....		1		Arlington County.....	1,560		
Wayne County.....	2	9	3	Augusta County.....	637	362	186
Wood County.....	4	15		Bath County.....	150	45	17
<b>Total.....</b>	<b>2,714</b>	<b>2,946</b>	<b>548</b>	Bedford County.....	1,798	273	57
<b>Oklahoma:</b>				Bland County.....	224		15
Alfalfa County.....		619	147	Botetourt County.....	199	75	46
Canadian County.....		35		Brunswick County.....	122	27	60
Choctaw County.....			1	Buchanan County.....	386	112	36
Garvin County.....		49		Buckingham County.....	315	260	68
Haskell County.....	572	138		Campbell County.....	671	398	85
Kay County.....	4			Caroline County.....	464	392	67
Le Flore County.....		12		Carroll County.....	306	33	
Love County.....		250		Charles City County.....	8	7	
Mayes County.....	848	774		Charlotte County.....	133	99	3
Ottawa County.....			3	Chesterfield County.....	40	22	12
Roger Mills County.....	48			Clarke County.....		250	97
Tillman County.....	1			Craig County.....	68		41
<b>Total.....</b>	<b>1,473</b>	<b>1,877</b>	<b>151</b>	Culpeper County.....	757	196	34
<b>Rhode Island:</b>				Cumberland County.....	55	8	27
Providence County.....	4	8	14	Dickenson County.....	473	57	183
Washington County.....	4			Dinwiddie County—			
<b>Total.....</b>	<b>8</b>	<b>8</b>	<b>14</b>	Petersburg.....	30	19	
<b>South Carolina:</b>				Scattering.....	373	35	13
Anderson County.....	946			Elizabeth City County..	117	59	43
Charleston County.....	440	2	3	Essex County.....		88	10
Cherokee County.....	14		5	Fairfax County.....	500	300	50
Chester County.....	7	18	61	Fauquier County.....	787	1,032	160
Chesterfield County.....	17	1		Floyd County.....	285	106	9
Dillon County.....	7			Fluvanna County.....	10	86	
Fairfield County.....	882			Franklin County.....	417	269	44
Greenville County.....	71		515	Frederick County.....	81	379	22
Greenwood County.....	386	386		Giles County.....	934	214	24
Jasper County.....	3			Gloucester County.....	226	292	35
Laurens County.....	357	30		Goochland County.....	408	92	
Lee County.....	1			Grayson County.....	378	130	70
Lexington County.....	84			Greene County.....	52	74	84
Marlboro County.....	12			Greensville County.....	222	156	57
Oconee County.....	30	19	21	Halifax County.....	999	311	81
Orangeburg County.....		15		Hanover County.....	876	590	362
Spartanburg County.....	585	2		Henrico County—			
Sumter County.....	3			Richmond.....	80	18	
York County.....	202			Scattering.....	511	508	237
<b>Total.....</b>	<b>4,047</b>	<b>473</b>	<b>605</b>	Henry County.....	602	227	60
<b>South Dakota:</b>				Highland County.....	114	229	
Beadle County.....			1	Isle of Wight County.....	152	54	53
Campbell County.....		3		James City County.....	226	265	395
Grant County.....		9	9	King and Queen County.....	226	59	45
				King George County.....	168	53	28
				King William County.....	290	44	
				Lancaster County.....	510	337	158
				Lee County.....	649	219	47

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## INFLUENZA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Virginia—Continued.				Wisconsin—Continued.			
Loudoun County.....	478	569	217	Dunn County.....	5	52	30
Louisa County.....	287	56	27	Eau Claire County.....	21	28	14
Lunenburg County.....	494	156	8	Florence County.....	1	.....	.....
Madison County.....	191	187	243	Fond du Lac County.....	1	190	102
Mathews County.....	42	.....	93	Grant County.....	5	130	176
Mecklenburg County.....	946	176	196	Green County.....	2	165	92
Middlesex County.....	350	254	147	Green Lake County.....	.....	3	.....
Montgomery County.....	662	669	431	Iowa County.....	4	.....	21
Nansemond County.....	10	19	2	Iron County.....	.....	32	57
Nelson County.....	151	122	76	Jackson County.....	2	16	221
New Kent County—				Jefferson County.....	116	281	31
Norfolk City.....	11	.....	.....	Juneau County.....	7	103	88
Scattering.....	110	118	46	Kenosha County.....	.....	.....	38
Northampton County.....	458	863	238	Kewaunee County.....	.....	19	23
Northumberland County.....	155	394	119	La Crosse County.....	11	60	174
Nottoway County.....	202	28	26	Lafayette County.....	3	143	39
Orange County.....	1,007	382	141	Langlade County.....	.....	16	.....
Page County.....	244	204	16	Manitowoc County.....	.....	30	62
Patrick County.....	290	71	.....	Marathon County.....	6	23	65
Pittsylvania County.....	1,637	494	154	Marinette County.....	2	560	13
Powhatan County.....	943	69	62	Marquette County.....	1	4	18
Prince Edward County.....	507	118	78	Milwaukee County.....	59	151	69
Prince George County.....	48	13	5	Monroe County.....	31	261	108
Princess Anne County.....	14	110	61	Oconto County.....	2	13	12
Prince William County.....	560	230	93	Oneida County.....	.....	.....	22
Pulaski County.....	377	203	36	Outagamie County.....	2	10	48
Rappahannock County.....	12	25	73	Ozaukee County.....	.....	.....	29
Richmond County.....	50	.....	.....	Pepin County.....	.....	1	.....
Rodnoke County.....	478	199	14	Pierce County.....	.....	225	105
Rockbridge County.....	753	555	221	Polk County.....	.....	27	16
Rockingham County.....	462	681	560	Portage County.....	.....	43	16
Russell County.....	2,526	1	21	Price County.....	.....	.....	3
Scott County.....	525	153	71	Racine County.....	4	84	20
Shenandoah County.....	578	923	319	Richland County.....	.....	55	135
Smyth County.....	458	331	95	Rock County.....	1	39	1
Southampton County.....	1,086	399	54	Rusk County.....	4	.....	5
Spottsylvania County.....	500	300	40	St. Croix County.....	.....	20	111
Stafford County.....	14	88	.....	Sauk County.....	1	2	18
Surry County.....	255	328	31	Sawyer County.....	.....	32	23
Sussex County.....	309	35	29	Shawano County.....	37	51	228
Tazewell County.....	698	214	192	Sheboygan County.....	.....	17	57
Warren County.....	639	309	65	Taylor County.....	.....	17	10
Warwick County.....	45	58	.....	Trempealeau County.....	32	.....	3
Washington County.....	637	321	228	Vernon County.....	31	33	267
Westmoreland County.....	257	120	34	Vilas County.....	16	126	85
Wise County.....	2,466	1,786	719	Walworth County.....	2	7	241
Wythe County.....	748	260	179	Washburn County.....	.....	9	17
York County.....	198	650	15	Washington County.....	.....	25	14
Total.....	45,778	24,583	9,504	Waukesha County.....	.....	21	52
Wisconsin:				Waupaca County.....	.....	32	15
Adams County.....	6	8	15	Wausara County.....	.....	28	103
Ashland County.....	2	41	13	Winnebago County.....	.....	3	13
Barron County.....	19	13	8	Wood County.....	.....	80	14
Bayfield County.....	.....	23	30	Total.....	568	4,558	4,367
Brown County.....	.....	.....	24	Wyoming:			
Buffalo County.....	.....	1	27	Campbell County.....	1	.....	.....
Burnett County.....	1	38	13	Crook County.....	.....	.....	4
Calumet County.....	.....	79	.....	Fremont County.....	.....	.....	20
Chippewa County.....	14	34	86	Laramie County.....	1	.....	.....
Clark County.....	43	117	31	Lincoln County.....	.....	.....	1
Columbia County.....	42	66	158	Sheridan County.....	1	9	.....
Crawford County.....	6	429	89	Sweetwater County.....	106	.....	.....
Dane County.....	3	50	46	Uinta County.....	.....	40	.....
Dodge County.....	4	40	73	Total.....	109	49	25
Door County.....	19	351	630				
Douglas County.....	.....	1	.....				

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

LEPROSY.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Arizona:				Hawaii—Continued.			
Coconino County—				Hawaii—Continued.			
Flagstaff .....			1	South Hilo .....		1	
California:				South Kona .....		1	1
Los Angeles County .....			1	Kauai—			
San Francisco .....	1	1	1	Waimea .....			1
Sonoma County—				Maui—			
Sebastopol .....		1		Lahaina .....		1	
Total .....	1	2	2	Makawao .....	1		
Florida:				Oahu—			
Hawaii—				Honolulu City .....	3	1	
North Kona .....	1		1	Total .....	5	5	3
Puna .....		1		Minnesota:			
				Itasca County—			
				Trout Lake town-			
				ship .....		1	

MALARIA.

Alabama:				Arkansas:			
Autauga County .....		1	5	Ashley County .....	1	1	2
Baldwin County .....	1		4	Bradley County .....	3		7
Barbour County .....		3	1	Calhoun County .....	8	2	1
Bibb County .....	2		2	Cleveland County .....			1
Bullock County .....	3		1	Drew County .....	7		4
Butler County .....	1		2	Faulkner County .....		3	
Calhoun County .....		1	5	Franklin County .....		1	
Cherokee County .....	1		2	Greene County .....	3	5	
Chilton County .....	1			Hempstead County .....	3	2	6
Choctaw County .....		2	10	Izard County .....		1	
Clarke County .....	5	4	4	Logan County .....		2	2
Clay County .....			1	Lonoke County .....	3	3	2
Coffee County .....	5	1	6	Miller County .....	10		3
Colbert County .....	5		5	Montgomery County .....	2		2
Conecuh County .....			1	Ouachita County .....	33	31	23
Coosa County .....		1	1	Perry County .....		4	
Covington County .....	2	3	5	Pike County .....	8	5	11
Crenshaw County .....			1	Pulaski County .....	1	1	
Cullman County .....		1	2	St. Francis County .....	4	1	2
Dale County .....	4	3	7	Sebastian County .....	4	1	2
Dallas County .....		2	1	Sharp County .....	2		
Escambia County .....			3	Union County .....	17	5	17
Etowah County .....	1		6	Washington County .....			1
Fayette County .....			1	White County .....	18		
Franklin County .....			2	Woodruff County .....		1	
Geneva County .....	1	5	7	Total .....	127	69	86
Greene County .....		1		California:			
Henry County .....		1	2	Alameda County .....	1	1	
Houston County .....	4	4	20	Butte County .....	1	1	
Jackson County .....			4	Los Angeles County .....			1
Jefferson County .....	2	5	9	Merced County .....			1
Lauderdale County .....			4	Orange County .....	2		
Lawrence County .....		4	6	San Bernardino County .....	1		
Limestone County .....	1		3	San Francisco County .....	3	1	1
Madison County .....		1	14	San Joaquin County .....			1
Marengo County .....			4	Shasta County .....		1	
Marion County .....	7	1	1	Solano County .....			1
Mobile County .....	1	2	7	Sonoma County .....		1	1
Montgomery County .....			2	Yolo County .....			1
Morgan County .....	2	2	9	Total .....	8	6	6
Perry County .....			1	Delaware:			
Randolph County .....	1			Kent County .....		1	
St. Clair County .....			1	Florida:			
Shelby County .....	11		2	Brevard County .....			4
Sumter County .....	5	3	2	Broward County .....			1
Talladega County .....	2		3	Citrus County .....			1
Tuscaloosa County .....	1	2	1	Columbia County .....			2
Walker County .....	1	3	13	Dade County .....			1
Washington County .....		1	2	De Soto County .....			1
Wilcox County .....	1	1	2	Total .....			
Total .....	71	58	197				

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Florida—Continued.</b>				<b>Louisiana—Continued.</b>			
Duval County.....	12	7	2	St. Landry Parish.....	2		
Gadsden County.....	1		1	Tensas Parish.....	3		
Hardee County.....		1		Vernon Parish.....		1	
Hernando County.....		1		Washington Parish.....	1	2	3
Hillsborough County.....	5	2	2	Winn Parish.....	1		
Jefferson County.....			1	<b>Total.....</b>	<b>34</b>	<b>50</b>	<b>27</b>
Levy County.....	1	2	2	<b>Maryland:</b>			
Manatee County.....	2			Dorchester County.....		1	
Monroe County.....		1		Wicomico County.....	3		
Orange County.....			1	<b>Total.....</b>	<b>3</b>	<b>1</b>	
Pasco County.....		2		<b>Massachusetts:</b>			
Pinellas County.....	3	1		Middlesex County.....		1	
Polk County.....	3	1	1	Suffolk County.....			1
Putnam County.....			1	<b>Total.....</b>		<b>1</b>	<b>1</b>
St. Johns County.....		1		<b>Mississippi:</b>			
Santa Rosa County.....	1	1		Adams County.....		18	19
Seminole County.....	1		3	Alcorn County.....	35	25	26
Wakulla County.....			1	Amite County.....	9	25	10
<b>Total.....</b>	<b>29</b>	<b>26</b>	<b>19</b>	Attala County.....	8	28	34
<b>Illinois:</b>				Benton County.....	5	6	7
Adams County.....			1	Bolivar County.....	241	283	315
Alexander County.....			1	Carroll County.....	15	28	33
Boone County.....		1	2	Chickasaw County.....	21	9	21
Clay County.....			1	Choctaw County.....	8	12	16
Franklin County.....			2	Claborne County.....	31	19	7
Grundy County.....			2	Clarke County.....	32	31	6
Jackson County.....			2	Clay County.....	15	19	13
Lawrence County.....			1	Coahoma County.....	73	127	147
McLean County.....			1	Copiah County.....	42	50	33
Madison County.....			3	Covington County.....	21	30	25
Peoria County.....	3		1	De Soto County.....	14	27	26
Pike County.....			1	Forest County.....	11	35	24
Pope County.....			1	Franklin County.....	14	23	29
St. Clair County.....			1	George County.....		5	12
Washington County.....		2	1	Greene County.....	13	13	11
Wayne County.....			1	Grenada County.....	7	23	2
Will County.....			2	Hancock County.....	42	41	38
Williamson County.....			2	Harrison County.....		2	1
<b>Total.....</b>	<b>3</b>	<b>3</b>	<b>26</b>	Hinds County.....	104	75	88
<b>Kansas:</b>				Holmes County.....	73	87	143
Geary County.....			1	Humphreys County.....	48	63	72
Sumner County.....			3	Issaquena County.....	4	13	6
Reno County.....		1		Itawamba County.....		15	7
<b>Total.....</b>		<b>1</b>	<b>4</b>	Jackson County.....	13	13	21
<b>Louisiana:</b>				Jasper County.....	20	32	21
Avozelles Parish.....		1	7	Jefferson County.....	6	12	9
Bienville Parish.....		1		Jefferson Davis County.....	15	19	14
Caddo Parish.....		2	4	Jones County.....	25	21	15
Calcasieu Parish.....		2	1	Kemper County.....	8	28	22
Caldwell Parish.....	1		1	Lafayette County.....	9	7	15
Catahoula Parish.....		1		Lamar County.....		8	20
Concordia Parish.....		1		Lauderdale County.....	35	42	19
De Soto Parish.....	1			Lawrence County.....	27	28	26
East Baton Rouge Parish.....	1			Leake County.....	16	26	19
East Carroll Parish.....	2			Lee County.....	49	29	67
Evangeline Parish.....	1			Leflore County.....	100	444	228
Franklin Parish.....		2		Lincoln County.....	30	44	11
Iberia Parish.....		1		Lowndes County.....	31	29	30
Iberville Parish.....		1		Madison County.....	11	11	10
Jackson Parish.....		2		Marion County.....	7	32	24
Jefferson Davis Parish.....	2			Marshall County.....	6	20	12
Lafayette Parish.....			3	Monroe County.....	43	64	96
La Salle Parish.....	1			Montgomery County.....	12	30	46
Morehouse Parish.....		1		Neshoba County.....	15	23	20
Natchitoches Parish.....	1		1	Newton County.....	2	2	12
Orleans Parish.....	13	30	7	Noxubee County.....	27	27	27
Ouachita Parish.....	1			Oktibbeha County.....	32	34	44
Red River Parish.....	1			Panola County.....	24	2	33
Richland Parish.....	1	1		Pearl River County.....	30	27	39
Sabine Parish.....	1			Perry County.....	28	19	20

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

MALARIA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Mississippi—Continued.				South Carolina:			
Pike County	20	30	25	Chester County			2
Pontotoc County	32	41	16	Virginia:			
Prentiss County	24	7	25	Amherst County			1
Quitman County	53	77		Accomac County	31		16
Rankin County	7	5	12	Bedford County		3	
Scott County	55	17	38	Brunswick County	3	1	6
Sharkey County	43	78	79	Caroline County	1	1	4
Simpson County	8	14	21	Cumberland County	3		
Smith County	42	12	8	Essex County			1
Stone County	12	2	3	Gloucester County	2		
Sunflower County	132	165	155	Greensville County	5	3	4
Tallahatchie County	27	43	143	Halifax County			3
Tate County	57	78	71	Hanover County	3	3	9
Tippah County	12	16	14	Henrico County		1	5
Tishomingo County	66	49	38	Isle of Wight County	20	9	12
Tunica County	102	52	54	James City County	2		3
Union County	16	15	18	King and Queen County			3
Walthall County			3	King William County	1	1	
Warren County	92	49	68	Lunenburg County		2	
Washington County	52	71	86	Madison County			6
Wayne County		60	10	Mecklenburg County			4
Webster County		2	2	Middlesex County	2	7	6
Wilkinson County	20	13	10	New Kent County	1	2	
Winston County	50	125	125	Northampton County	2	3	3
Yalobusha County	102	37	39	Northumberland County	3	2	3
Yazoo County	129	81	126	Nottoway County			1
Total	2,665	3,344	3,280	Orange County	1		
New Jersey:				Page County		1	
Essex County	1		1	Pittsylvania County	2	2	3
New York:				Powhatan County	6	4	5
Dutchess County		1		Prince George County		3	1
New York City	3	4	1	Princess Anne County	2	1	
Total	3	5	1	Prince William County	3		
Ohio:				Rockbridge County		1	
Cuyahoga County		1		Scott County		1	2
Summit County		1		Shenandoah County		1	1
Total		2		Southampton County	2	5	12
Oklahoma:				Spottsylvania County		1	1
Pittsburg County	94	262		Stafford County	2	2	
				Surry County	1	2	2
				Warwick County	5	2	5
				Westmoreland County	3		
				Wise County	2	1	
				York County		1	
				Total	108	64	122

OCCUPATIONAL DISEASES AND DISABILITIES.

Connecticut:				Ohio:			
Dermatitis	1			Arsenic poisoning		3	
Illinois:				Benzol poisoning		1	1
Lead poisoning	10	19	10	Dermatitis (rubber)	37	81	56
Massachusetts:				Lead poisoning	14	8	5
Dermatitis	3	5	1	Turpentine poisoning		1	1
Lead poisoning	2	3	8	Total	51	94	63
Total	5	8	9				
New Jersey:							
Arsenic poisoning	1						
Lead poisoning	3	4	1				
Total	4	4	1				

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## PELLAGRA.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Alabama:</b>				<b>Louisiana—Continued.</b>			
Barbour County.....		1		Pointe Coupee Parish.....	1	1	
Butler County.....			1	St. Mary Parish.....	1		1
Chambers County.....			3	<b>Total.....</b>	<b>4</b>	<b>7</b>	<b>3</b>
Cherokee County.....			2	<b>Maryland:</b>			
Coffee County.....			1	Baltimore City.....			1
Colbert County.....		1	1	<b>Massachusetts:</b>			
Covington County.....	1			Hampshire County.....	1		
Dallas County.....	1		3	<b>Michigan:</b>			
Dekalb County.....			1	Genesee County.....		1	
Houston County.....			3	<b>Mississippi:</b>			
Jackson County.....		3		Adams County.....	1	2	1
Jefferson County.....	5		1	Alcorn County.....	1		1
Lamar County.....			1	Bolivar County.....	10	22	20
Lauderdale County.....			2	Carroll County.....	2	3	2
Lawrence County.....		1		Chickasaw County.....	4	2	3
Lee County.....			1	Choctaw County.....			1
Limestone County.....			3	Clark County.....	1	3	
Macon County.....			1	Clay County.....		2	2
Madison County.....			2	Coahoma County.....		3	10
Mobile County.....	2	2	1	Copiah County.....	3		3
Montgomery County.....		1		Covington County.....	5	1	1
Randolph County.....		3		De Soto County.....		1	
Pike County.....	1			Forest County.....	1	5	6
St. Clair County.....		1		Franklin County.....	2		1
Sumter County.....	3	1		George County.....		1	2
Tuscaloosa County.....	1		1	Greene County.....			1
Walker County.....	1	1	1	Hinds County.....	5	6	8
Wilcox County.....			1	Holmes County.....	7	4	9
<b>Total.....</b>	<b>15</b>	<b>15</b>	<b>30</b>	Humphreys County.....		1	
<b>Arkansas:</b>				Issaquena County.....	1		
Benton County.....			1	Jackson County.....	1	1	
Craighead County.....			1	Jasper County.....		2	1
Drew County.....	3			Jefferson County.....	1	1	1
Lonek County.....	1			Jefferson Davis County.....		1	2
Ouachita County.....	14	5	8	Jones County.....		4	8
Pike County.....			1	Kemper County.....	1		1
Pulaski County.....		1		Lafayette County.....	1		2
St. Francis County.....			2	Lauderdale County.....	2	3	2
Sebastian County.....		1	1	Lawrence County.....	1		2
<b>Total.....</b>	<b>18</b>	<b>7</b>	<b>14</b>	Leake County.....	1	2	
<b>California:</b>				Lee County.....	1	1	
Alameda County.....	1	1		LeFlore County.....	2	1	8
Los Angeles County.....	2	1	2	Lincoln County.....	5	5	2
Napa County.....		1		Lowndes County.....	2	2	1
San Diego County.....	1			Madison County.....	1		2
Santa Barbara County.....			1	Marion County.....		2	
<b>Total.....</b>	<b>4</b>	<b>3</b>	<b>3</b>	Marshall County.....	3	3	4
<b>Florida:</b>				Monroe County.....	2	7	8
Dade County.....		2		Montgomery County.....	2		
Duval County.....			2	Neshoba County.....			3
Escambia County.....			1	Newton County.....		1	1
Hamilton County.....			1	Noxbee County.....	2	4	3
Hillsborough County.....			3	Oktibbeha County.....			2
Holmes County.....			1	Panola County.....	1		1
Lake County.....			1	Perry County.....		3	
Lee County.....	1			Pike County.....	1		1
Manatee County.....			2	Pontotoc County.....			1
Orange County.....		1		Quitman County.....	3	6	11
Pinellas County.....	1			Sharkey County.....	5	4	4
Polk County.....		1		Simpson County.....	1	1	
<b>Total.....</b>	<b>2</b>	<b>4</b>	<b>11</b>	Sunflower County.....	5	14	14
<b>Kansas:</b>				Tallahatchie County.....	3	2	14
Labette County.....			1	Tate County.....	1	2	3
<b>Louisiana:</b>				Tippah County.....	3	5	5
Concordia Parish.....		1		Tishomingo County.....			1
Natchitoches Parish.....		1		Tunica County.....	4	7	8
Orleans Parish.....	1	3	2	Union County.....	1	1	1
Ouachita Parish.....	1	1		Walthall County.....	1		
				Warren County.....	6	4	4
				Washington County.....	9	4	12
				Wilkinson County.....	2	1	2

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

PELLAGRA—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Mississippi—Continued.				Virginia—Continued.			
Yalobusha County.....	1	1		Grayson County.....	2	1	
Yazoo County.....	3	2	3	Greenville County.....			1
Total.....	121	153	200	Hanover County.....			1
Nebraska:				Henrico County.....			1
Douglas County.....			1	Henry County.....		1	3
South Carolina:				Lee County.....	1		
Chester County.....			1	Lunenburg County.....			1
Fairfield County.....	16			Middlesex County.....			1
York County.....	1			Montgomery County.....		1	
Total.....	18		1	Patrick County.....		1	
Virginia:				Powhatan County.....	1		
Augusta County.....	1		1	Prince George County.....		1	
Elizabeth City County.....		1		Scott County.....	1		1
Gloucester County.....			1	Southampton County.....			1
				Washington County.....		1	2
				Wise County.....		1	1
				Total.....	6	8	14

POLIOMYELITIS (INFANTILE PARALYSIS).

Alabama:				Indiana:			
Conecuh County.....			1	Boone County.....		1	
Jefferson County.....		2	2	Delaware County.....		1	
Mobile County.....		1		Ripley County.....		1	
Total.....		3	3	Rush County.....		1	
Arkansas:				Spencer County.....	1		
Quachita County.....		1		Total.....	1	4	
Montgomery County.....	1			Iowa:			
Woodruff County.....		1		Cass County.....	1	1	
Total.....	1	2		Des Moines County.....			1
California:				Jefferson County.....	1		
Fresno County.....	1		1	Monroe County.....	2		
Los Angeles County.....	1	2		Total.....	4	1	1
San Joaquin County.....		1		Kansas:			
Stanislaus County.....	1			Barton County.....		1	
Total.....	3	3	1	Pratt County.....			1
Connecticut:				Washington County.....		1	
Hartford County.....			1	Wilson County.....		1	
New London County.....	1			Total.....		2	2
Windham County.....		1		Louisiana:			
Total.....	1	1	1	Jefferson Parish.....			2
District of Columbia.....	1			Orleans Parish.....		1	
Florida:				Pointe Coupee Parish.....	1		
Gadsden County.....			1	Total.....	1	1	2
Hawaii:				Maine:			
Kauai.....		1		Oxford County.....	1		
Oahu.....	2	3	1	Penobscot County.....		1	
Total.....	2	4	1	Sagadahoc County.....	1		
Illinois:				Total.....	2	1	
Adams County.....	1			Maryland:			
Clay County.....			2	Anne Arundel County.....		1	
Cook County.....	1	3	2	Baltimore City.....	2	1	
Crawford County.....	1			Somerset County.....			1
Fayette County.....			1	Wicomico County.....		1	
Franklin County.....		1		Total.....	2	3	1
Grundy County.....		1		Massachusetts:			
Massac County.....	1		2	Bristol County.....	1	2	
St. Clair County.....	1		1	Essex County.....		1	1
Wayne County.....				Hampden County.....	1		
Total.....	5	5	8				



## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Massachusetts—Continued.</b>				<b>North Dakota:</b>			
Hampshire County.....	1			Mountrail County.....			1
Middlesex County.....	2	5	1	Sargent County.....			1
Suffolk County.....	4	1		Ward County.....	1		
Worcester County.....	1		3	Total.....	1		2
Total.....	10	9	5				
<b>Michigan:</b>				<b>Ohio:</b>			
Gratiot County.....			1	Ashtabula County.....	1		
Ingham County.....	1			Champaign County.....		1	
Ionia County.....		1		Cuyahoga County.....	2		1
Kalamazoo County.....			1	Defiance County.....			1
Ogemaw County.....		1		Hamilton County.....		1	
St. Clair County.....			1	Portage County.....	1		
Wayne County.....			1	Total.....	4	2	2
Total.....	1	2	4				
<b>Minnesota:</b>				<b>Oklahoma:</b>			
Ramsey County.....	1			Lincoln County.....		1	
<b>Mississippi:</b>				<b>Oregon:</b>			
Bolivar County.....	2	1		Clatsop County.....		1	
Forrest County.....		1		Lane County.....			2
Harrison County.....			1	Multnomah County.....		1	
Itawamba County.....		1		Washington County.....		1	
Monroe County.....	1			Total.....		3	2
Montgomery County.....		1	1				
Washington County.....	1			<b>Pennsylvania:</b>			
Total.....	4	4	2	Allegheny County.....	1		1
<b>Montana:</b>				Bradford County.....		1	
Big Horn County.....	1			Butler County.....			1
Missoula County.....		1		Crawford County.....			1
Total.....	1	1		Lancaster County.....	1		
<b>Nebraska:</b>				Monroe County.....			1
Box Butte County.....	1			Philadelphia County.....		1	
Hall County.....	1			Tioga County.....	1		
Total.....	2			York County.....			1
<b>New Jersey:</b>				Total.....	3	2	5
Essex County.....	1		2	<b>Rhode Island:</b>			
Passaic County.....			1	Providence County.....	1		
Union County.....		1		<b>Virginia:</b>			
Total.....	1	1	3	Campbell County.....	1		
<b>New York:</b>				Culpeper County.....	1		
Cattaraugus County.....			1	Fairfax County.....	1		
Chautauqua County.....	1		1	Franklin County.....	1		
Chemung County.....	1			Henry County.....	1		
Columbia County.....		1		Lee County.....	1		2
Monroe County.....	1			Loudoun County.....		1	
Oneida County.....		1	1	Mecklenburg County.....		2	
Onondaga County.....	3			Wise County.....	1		
Rensselaer County.....	1			Total.....	7	3	2
St. Lawrence County.....	2		1	<b>Washington:</b>			
Schuyler County.....			1	Kitsap County.....			1
Suffolk County.....	1			Lewis County.....		2	
Westchester County.....	1			Pierce County.....	1		
Wyoming County.....			1	Total.....	1	2	1
Yates County.....	1			<b>Wisconsin:</b>			
New York City.....	5	5	3	Chippewa County.....	1		
Total.....	17	7	9	Dunn County.....	2		
<b>North Carolina:</b>				Marquette County.....			1
Iredell County.....			1	Milwaukee County.....		1	
Wilson County.....	1			Sheboygan County.....	1		
Total.....	1		1	Waukesha County.....			1
				Waupaca County.....		1	
				Total.....	4	2	2

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Montana:				Oregon:			
Broadwater County.....			1	Grant County.....			3

SMALLPOX.

<b>Alabama:</b>				<b>California—Continued.</b>			
Bibb County.....		1		Sacramento County.....	3		1
Calhoun County.....		2	13	San Francisco County.....	7	8	5
Cherokee County.....			6	San Joaquin County.....		2	8
Conecuh County.....		1		San Mateo County.....			1
Coosa County.....		1		Santa Barbara County.....	1	2	12
Dallas County.....			10	Santa Clara County.....	3	1	1
Elmore County.....			1	Santa Cruz County.....	2	1	
Escambia County.....	4			Siskiyou County.....	4		
Geneva County.....		2	2	Stanislaus County.....	12	12	2
Houston County.....	1		1	Sutter County.....		2	1
Jefferson County.....		16	4	Tehama County.....		1	5
Lawrence County.....		1		Tulare County.....		1	1
Lowndes County.....	1			Ventura County.....	14	3	10
Marengo County.....	9	4	1				
Mobile County.....	1	1	11	Total.....	97	74	84
Perry County.....	1		1				
Shelby County.....	1			<b>Colorado:</b>			
Walker County.....	1		1	Arapahoe County.....	1	1	
Total.....	18	29	51	Boulder County.....	1		1
				Clear Creek County.....			1
<b>Arizona:</b>				Delta County.....	6		
Cochise County.....			1	Denver County.....	25	10	8
Coconino County.....			1	El Paso County.....		1	
Gila County.....		1	1	Jefferson County.....	3		
Maricopa County.....	4	17	2	Mesa County.....			1
Pima County.....	9	19	16	Pueblo County.....			1
Yavapai County.....	1	1	1	Sedgwick County.....	3		
Total.....	14	38	22	Summit County.....	2		
				Weld County.....	6		
				Total.....	47	12	12
<b>Arkansas:</b>							
Arkansas County.....			1	<b>Connecticut:</b>			
Calhoun County.....	2	2		Fairfield County.....	3	5	6
Carroll County.....	1			New Haven County.....		5	
Clark County.....			1	New London County.....	1		
Columbia County.....		1	2	Total.....	4	10	6
Craighead County.....			14				
Lafayette County.....			1	<b>District of Columbia:</b>		1	1
Logan County.....			1				
Lonoke County.....	3			<b>Florida:</b>			
Miller County.....	8	3	2	Alachua County.....	1		2
Mississippi County.....	8			Bay County.....		4	2
Ouachita County.....	4	2	1	Bradford County.....			1
Sebastian County.....			1	Calhoun County.....			3
Scott County.....		1		Clay County.....			1
Sharp County.....	1			Duval County.....	7	6	11
Union County.....	2	1	6	Hamilton County.....			1
Woodruff County.....	3			Hardee County.....			2
Total.....	32	10	30	Hillsborough County.....	8	6	
				Leon County.....	1	1	2
				Madison County.....	7		
<b>California:</b>				Manatee County.....	1	1	
Alameda County—				Orange County.....	1		
Oakland.....	11	16	6	Pinellas County—			
Scattering.....	5	7	6	St. Petersburg.....	14	4	6
Colusa County.....	2			Scattering.....	10	1	1
Contra Costa County.....			1	Polk County.....			1
Fresno County.....	7	5	4	St. Johns County.....			1
Glenn County.....	1			St. Lucie County.....	2	18	9
Humboldt County.....	4			Santa Rosa County.....	1		
Imperial County.....	1			Seminole County.....			1
Inyo County.....	7	3		Suwanee County.....	1		
Kern County.....	1	2		Wakulla County.....	1		
Los Angeles County.....	9	8	15	Total.....	55	41	44
Madera County.....	2						
Orange County.....	1		4				
Placer County.....	2		1				

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Idaho:</b>				<b>Indiana—Continued.</b>			
Ada County.....			1	Hendricks County.....	1		
Bannock County.....	5	7	2	Henry County.....		3	11
Bear Lake County.....			2	Howard County.....	1	2	
Benewah County.....	4	2	2	Huntington County.....			4
Bonner County.....	1	1		Jay County.....	1		
Boundary County.....			1	Kosciusko County.....	2	4	1
Canyon County.....		1		Lake County.....	14	22	24
Clearwater County.....	1			Laporte County.....		1	2
Kootenai County.....		3		Madison County.....	67	15	4
Latah County.....	5		1	Marion County.....	7	21	7
Lewis County.....	7			Marshall County.....		1	
Madison County.....		3		Monroe County.....			1
Nez Perce County.....			1	Noble County.....	4		8
Payette County.....	2	1	1	Pike County.....			2
Shoshone County.....	3			Randolph County.....		1	
<b>Total.....</b>	<b>28</b>	<b>18</b>	<b>11</b>	Rush County.....	2		
				Shelby County.....		4	
<b>Illinois:</b>				Sullivan County.....	1		
Alexander County.....	1			Tippecanoe County.....		2	
Bureau County.....	13	5	1	Tipton County.....		5	2
Carroll County.....	27	11	1	Vigo County.....	1		
Champaign County.....	1	1	1	Wabash County.....	1		8
Clay County.....			1	Wayne County.....	1		
Cook County.....		11	3	Wells County.....		1	
De Kalb County.....	22	3	7	Whitley County.....	20	1	1
Fayette County.....	1			<b>Total.....</b>	<b>254</b>	<b>149</b>	<b>149</b>
Franklin County.....	1	4	4				
Greene County.....			1	<b>Iowa:</b>			
Grundy County.....			2	Allamakee County.....		1	
Hancock County.....	1			Appanoose County.....		5	
Henry County.....	67	13	2	Butler County.....	1		1
Jackson County.....	4			Calhoun County.....	4	5	4
Kane County.....	1	2	2	Carroll County.....			2
La Salle County.....	3			Cerro Gordo County.....			1
Lee County.....	28	22	4	Clinton County.....	1		
Logan County.....		1		Davis County.....		1	
McLean County.....	1			Decatur County.....	1	1	3
Macon County.....		1		Des Moines County.....		1	2
Macoupin County.....		1		Fayette County.....	2		
Madison County.....	3			Hardin County.....		1	
Marion County.....	1	1		Henry County.....	1		1
Massac County.....		5	3	Jackson County.....			1
Ogle County.....		3	3	Jasper County.....		1	
Peoria County.....	4	5	5	Johnson County.....	1		
Perry County.....			2	Keokuk County.....		1	
Piatt County.....	2	3	9	Linn County.....			1
Pike County.....		1		Mahaska County.....		1	4
Rock Island County.....			7	Marion County.....			5
St. Clair County.....	1	1		Muscatine County.....	2	1	
Sangamon County.....			1	Polk County.....	17	11	12
Stephenson County.....	21	3		Poweshiek County.....	11		9
Tazewell County.....	1	1	4	Sac County.....		2	7
Vermilion County.....	8		1	Scott County.....	3	2	13
Whiteside County.....	18	9	1	Sioux County.....	6	3	2
Will County.....	140	11		Washington County.....	1		
Williamson County.....	1			Wayne County.....			1
Winnebago County.....	1		1	<b>Total.....</b>	<b>51</b>	<b>37</b>	<b>69</b>
<b>Total.....</b>	<b>387</b>	<b>119</b>	<b>63</b>				
<b>Indiana:</b>				<b>Kansas:</b>			
Adams County.....		2	17	Allen County.....	1		
Allen County.....	46	10	12	Atchison County.....	1		7
Boone County.....			5	Butler County.....		1	7
Cass County.....	2		2	Cloud County.....			1
Clay County.....	1	1	1	Cowley County.....	2		3
Decatur County.....			1	Crawford County.....	6	6	
Dekalb County.....	44	22	17	Dickinson County.....	1		
Delaware County.....	4	15	19	Douglas County.....	1		
Elkhart County.....	17	1		Finney County.....			2
Fayette County.....	3	12		Geary County.....	1		1
Fountain County.....	1	4		Gray County.....			1
Fulton County.....	3			Harper County.....	1		
Grant County.....	3			Harvey County—			
Greene County.....	4			Burton.....	1		
Hancock County.....	2			Newton.....			13
				Jewell County.....		1	

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Kansas—Continued.</b>				<b>Michigan—Continued.</b>			
Labette County.....		4	1	Oakland County.....	3	15	8
Leavenworth County.....	1			Ogemaw County.....	1	1	7
Lincoln County.....	1	3		Saginaw County.....	1		
Marion County.....	2	2		St. Joseph County.....	1		
Marshall County.....		2		Sanilac County.....		3	
Montgomery.....	1	1	2	Shiawassee County.....	1		3
Morris County.....		12		Washtenaw County.....	3		
Neosho County.....			1	Wayne County.....	18	12	20
Norton County.....		2		<b>Total.....</b>	<b>443</b>	<b>155</b>	<b>130</b>
Osborne County.....	1						
Pratt County.....	1			<b>Minnesota:</b>			
Rawlins County.....			10	Aitkin County.....	15	13	5
Reno County.....			1	Becker County.....			1
Saline County.....	1			Beltrami County.....	6	5	5
Sedgwick County.....			1	Blue Earth County.....	2		
Sherman County.....	1	1		Carlton County.....	70	26	6
Sumner County.....	6	1	5	Carver County.....	1	1	
<b>Total.....</b>	<b>30</b>	<b>36</b>	<b>56</b>	Cass County.....	3	4	1
				Chippewa County.....	14	8	2
<b>Louisiana:</b>				Chisago County.....	2		
Ascension Parish.....			1	Clay County.....		1	
Beauregard Parish.....	3	1		Cottonwood County.....		1	
Caddo Parish.....	66	68	73	Crow Wing County.....	4	20	
Calcasieu Parish.....			2	Dakota County.....		1	2
Claiborne Parish.....	1		5	Faribault County.....		1	
De Soto Parish.....	1	5	9	Freeborn County.....	11	5	1
East Baton Rouge Parish.....			1	Goodhue County.....	1	1	
Franklin Parish.....		5		Grant County.....			3
Jefferson Parish.....			1	Hennepin County.....	53	43	36
Jefferson Davis Parish.....			1	Hubbard County.....	2	5	
Lafayette Parish.....		5	4	Isanti County.....	1	2	
Lincoln Parish.....			6	Itasca County.....	2	27	12
Morehouse Parish.....	10	7		Kanabec County.....	2		
Orleans Parish.....	1		9	Kandiyohi County.....	2	1	1
Ouachita Parish.....		7	1	Kittson County.....		2	
Rapides Parish.....		1	2	Koochiching County.....	9	2	
Red River Parish.....	1		2	Lake County.....			1
Richland Parish.....			3	Lincoln County.....		1	
Webster Parish.....	1		9	Lyon County.....		1	2
West Feliciana Parish.....	2			Martin County.....	7	1	
<b>Total.....</b>	<b>86</b>	<b>99</b>	<b>129</b>	Millie Lacs County.....	7	4	2
				Morrison County.....	10	2	5
<b>Maine:</b>				Mower County.....	1		1
Aroostook County.....	5			Nicollet County.....			1
York County.....	1	2		Norman County.....			1
<b>Total.....</b>	<b>6</b>	<b>2</b>		Olmsted County.....		4	4
				Ottertail County.....	10		16
<b>Michigan:</b>				Pennington County.....	2	1	
Alger County.....	3		3	Pine County.....	3	2	
Allegan County.....			1	Polk County.....	9	15	14
Branch County.....	2	1		Pope County.....			1
Calhoun County.....	1	6	6	Ramsey County.....	76	29	36
Cass County.....		1	3	Renville County.....			1
Cheboygan County.....	8			Rice County.....		18	12
Chippewa County.....			1	Rock County.....			1
Clinton County.....	5	4	26	Saint Louis County.....	63	27	33
Eaton County.....	10	6	6	Stearns County.....	5	9	4
Genesee County.....	3	7		Steele County.....		4	
Gogebic County.....	3			Stevens County.....	3		4
Gratiot County.....			1	Swift County.....	5	1	
Ingham County.....	37	19	12	Todd County.....	3	3	
Ionia County.....	17	20	9	Washington County.....	1	5	
Isabella County.....		1		<b>Total.....</b>	<b>398</b>	<b>297</b>	<b>209</b>
Jackson County.....		6					
Kent County.....	5	9	20	<b>Mississippi:</b>			
Lapeer County.....			1	Adams County.....		1	
Lenawee County.....		7	1	Bolivar County.....	9	36	
Manistee County.....	1			Carroll County.....	1		
Marquette County.....	1		1	Chickasaw County.....	9		
Monroe County.....	314	24	1	Clay County.....	2		
Montcalm County.....	5	12		Coahoma County.....	1		
Muskegon County.....		1		Lafayette County.....	1		
				Lauderdale County.....	9	2	2
				Lowndes County.....	1		

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Mississippi—Continued.</b>				<b>North Carolina:</b>			
Oktibbeha County.....		1		Alamance County.....		2	
Panola County.....		1	1	Alexander County.....	1	4	
Tallahatchie County.....	4		1	Anson County.....	3		
Tippah County.....	3			Ashe County.....		4	
Washington County.....			2	Beaufort County.....		3	
Yazoo County.....	1			Brunswick County.....	1		
Total.....	41	41	6	Cabarrus County.....	8	19	
<b>Montana:</b>				Caswell County.....		1	
Big Horn County.....			1	Catawba County.....		9	
Blaine County.....	10	5		Chatham County.....		1	
Cascade County—				Cherokee County.....	6	2	
Great Falls.....	11	13	8	Cleveland County.....	2	1	
Belt.....	5			Craven County.....	2	3	
Dawson County.....		1		Davidson County.....	1	2	
Deer Lodge County.....	1			Davie County.....	6	7	
Fergus County.....	1		1	Durham County.....	1	22	
Flathead County.....	1	1	3	Edgecombe County.....	1	3	
Jefferson County.....			4	Forsyth County.....	74	161	
Lewis and Clark County.....	1			Franklin County.....	26	3	
Missoula County.....	9	8	2	Greene County.....	8	2	
Pondera County.....			9	Guilford County.....	25	40	
Ravalli County.....		1		Halifax County.....	1	4	
Roosevelt County.....		1	3	Hertford County.....	1		
Sheridan County.....		3	8	Iredell County.....		1	
Silver Bow County.....	1			Johnston County.....	2	12	
Valley County.....	7	4	2	Jones County.....		1	
Yellowstone County.....			1	Lee County.....	9		
Total.....	47	37	42	Lenoir County.....	14	16	
<b>Nebraska:</b>				Lincoln County.....	1	1	
Boyd County.....			1	Macon County.....		1	
Buffalo County.....		1		Martin County.....		3	
Cass County.....	2			Mecklenburg County.....	2	10	
Douglas County.....	4	2		Montgomery County.....		1	
Franklin County.....	1			Nash County.....	4	10	
Gage County.....	1	1	3	New Hanover County.....		3	
Garfield County.....	1			Onslow County.....		3	
Holt County.....	1			Perquimans County.....		3	
Howard County.....			4	Pitt County.....	78	72	
Jefferson County.....	2	1		Randolph County.....		1	
Lancaster County.....	1	1		Richmond County.....	1	1	
Lincoln County.....	1		1	Rockingham County.....		3	
Merrick County.....	5			Rowan County.....	37	41	
Phelps County.....			1	Sampson County.....	1	2	
Polk County.....		1		Stanly County.....	1	1	
Scotts Bluff County.....	1			Stokes County.....	20	12	
Webster County.....			1	Surry County.....	3	4	
York County.....	1			Union County.....		1	
Total.....	20	7	11	Vance County.....	1	3	
<b>New Jersey:</b>				Wake County.....	6	2	
Union County.....			2	Warren County.....	1	3	
<b>New York:</b>				Wayne County.....	3	1	
Allegany County.....			4	Wilkes County.....	1	4	
Cattaraugus County—				Wilson County.....		8	
Portville.....			11	Yadkin County.....		2	
Scattering.....			13	Total.....	351	446	
Chautauqua County—				<b>North Dakota:</b>			
Jamestown.....	46			Benson County.....	1		
Scattering.....	1	1	1	Billings County.....		3	
Jefferson County.....	1	1		Burleigh County.....		1	
Monroe County.....	1			Dickey County.....		11	
Niagara County—				Divide County.....		27	
La Salle Village.....			13	Emmons County.....	4	2	
Niagara Falls.....	9	21	6	Grand Forks County.....	5	3	
St. Lawrence County—				Hettinger County.....	1		
Gouverneur Village.....	3	11	2	La Moure County.....		6	
Scattering.....	2	9	2	Logan County.....		3	
New York City.....	1		2	McHenry County.....	1	25	
Total.....	64	43	54	McIntosh County.....		6	
				Nelson County.....		5	
				Pembina County.....		1	
				Ramsey County.....	8	2	
				Ransom County—		8	
				Lisbon.....	11	18	
				Scattering.....	1	15	

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>North Dakota—Continued.</b>				<b>Oklahoma—Continued.</b>			
Renville County		1		Love County		50	
Steele County		3		Marshall County	17	41	28
Stutsman County	5			Oklahoma County		1	
Sargent County	2		8	Pawnee County		7	
Ward County	1			Pittsburg County			1
Williams County	1			Pushmataha County	5		
Wells County	7		4	Rogers County		10	
				Tulsa County		10	15
<b>Total</b>	<b>48</b>	<b>73</b>	<b>98</b>	Washita County			6
				<b>Total</b>	<b>97</b>	<b>175</b>	<b>102</b>
<b>Ohio:</b>				<b>Oregon:</b>			
Allen County	2	7	2	Benton County	2	1	1
Ashtabula County	2			Clackamas County	12		7
Auglaize County	25	6		Clatsop County	1		
Butler County	1		6	Columbia County	1		11
Champaign County	1	1		Coos County	2		
Clark County	2			Douglas County		1	7
Clinton County		1		Josephine County		3	5
Columbiana County			1	Lane County		1	2
Coshocton County			2	Lincoln County	1		
Crawford County	1	2		Linn County			3
Cuyahoga County			1	Malheur County	5		
Darke County	49	24	2	Marion County	4	6	
Defiance County	3			Multnomah County—			
Erle County	9	2	1	Portland	35	44	48
Fairfield County	2			Scattering	3		2
Fayette County	3			Polk County	8		
Franklin County	3	8	34	Tillamook County		1	1
Fulton County	12	14	1	Umatilla County			1
Gallia County	2	4		Union County		1	
Geauga County			1	Washington County	4	3	1
Greene County	10	8		<b>Total</b>	<b>83</b>	<b>61</b>	<b>89</b>
Guernsey County			1	<b>Pennsylvania:</b>			
Hamilton County	1		1	Allegheny County			2
Hardin County	1			Beaver County		1	
Henry County	7			Blair County			3
Highland County	4			Dauphin County			1
Holmes County	4	1		Mercer County			2
Huron County		1		Philadelphia County	4		2
Jackson County	7	13	27	York County			2
Jefferson County	1			<b>Total</b>	<b>4</b>	<b>1</b>	<b>12</b>
Lawrence County	20	3		<b>South Carolina:</b>			
Logan County		1		Abbeville County	1		
Lorain County			1	Aiken County			3
Lucas County	13	13	55	Bamberg County		3	
Madison County		2		Barnwell County	2		2
Mahoning County			4	Calhoun County		3	3
Mercer County	1	1		Charleston County		3	
Miami County	1	36	2	Cherokee County	1		2
Montgomery County	8	7	5	Colleton County			1
Ottawa County	1			Darlington County			2
Paulding County		3	2	Dorchester County		2	
Portage County	1	1		Fairfield County	11		
Putnam County	2			Greenville County	4	1	14
Sandusky County	1	4		Greenwood County	1	1	
Scioto County	3	7	2	Lee County	2		
Shelby County	2	1		Lexington County			4
Tuscarawas County	2		2	Orangeburg County	7	7	15
Van Wert County	14	31	8	Richland County		1	
Warren County	2			Sumter County	2		
Williams County	2			York County		3	5
Wood County	1	1		<b>Total</b>	<b>31</b>	<b>24</b>	<b>51</b>
<b>Total</b>	<b>226</b>	<b>203</b>	<b>161</b>	<b>South Dakota:</b>			
<b>Oklahoma:</b>				Beadle County			2
Comanche County			1	Brown County	10	8	1
Garfield County		1		Campbell County	6	11	2
Garvin County	10	6		Clay County	2	2	
Grady County	63	48	27	Codington County	6	2	
Jackson County		1	10	Corson County	2		
Johnson County			4	<b>Total</b>			
Kingsfisher County	1						
Lincoln County			10				
Logan County	1						

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

SMALLPOX—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>South Dakota—Continued.</b>				<b>West Virginia:</b>			
Day County	1			Cabell County			2
Dewey County	5	1		Harrison County	18		
Edmunds County	3		8	Kanawha County	1	1	
Faulk County			1	Lewis County			5
Hughes County	4			Logan County			5
Jackson County		1	1	McDowell County	1	9	11
Lake County	2	1		Marion County	1		
Lawrence County	1			Marshall County	1	2	
Marshall County	4			Mercer County	1		
Meade County	1			Mingo County	2	2	21
Minnehaha County	1	1		Monongalia County	1		
Moody County			2	Monroe County	7		
Pennington County		1		Raleigh County		1	
Spink County	1	2	2	Wood County	1		
Turner County		1	1	<b>Total</b>	<b>34</b>	<b>15</b>	<b>44</b>
Union County		3		<b>Wisconsin:</b>			
Yankton County	7			Ashland County	7	1	1
Ziebach County		7	6	Barron County	6	3	
<b>Total</b>	<b>56</b>	<b>42</b>	<b>26</b>	Bayfield County	4	5	1
<b>Vermont:</b>				Brown County	1		
Chittenden County		1	2	Chippewa County	3	3	
Grand Isle County	13	3	2	Clark County	7	5	2
Washington County		3		Columbia County	7		4
Windsor County	1			Dane County		1	1
<b>Total</b>	<b>14</b>	<b>7</b>	<b>4</b>	Douglas County	133	69	68
<b>Virginia:</b>				Dunn County	1	30	1
Buchanan County			1	Eau Claire County	4	13	6
Carroll County		8		Fond du Lac County	1		
Floyd County	8	3	1	Forest County			1
Franklin County	2		13	Green County	3	2	
Henry County			3	Iowa County	1		2
Loudoun County	1			Iron County	2	2	2
Montgomery County	6		14	Jefferson County	1	1	1
Nansemond County	1			Juneau County	1		1
Norfolk County	4	6		Kenosha County		1	
Pulaski County		10		Lincoln County		5	1
Washington County		1	3	Manitowoc County	3		
Wythe County			1	Marathon County	1		
<b>Total</b>	<b>22</b>	<b>28</b>	<b>36</b>	Marquette County	2		
<b>Washington:</b>				Milwaukee County	1		2
Chelan County	7	1	4	Outagamie County	1	5	
Clallam County	4	1		Pepin County			1
Clarke County	17	10	23	Polk County	9	4	4
Cowlitz County	1	2		Portage County	5	4	
Douglas County	3	1	3	Price County			1
Franklin County		24	5	Racine County			2
Grant County	3	1		Rock County	1	5	4
Grays Harbor County	1		6	Rusk County	4	1	3
King County—				St. Croix County	1		
Seattle	31	32	44	Sawyer County	6		2
Scatterng.	8	15	2	Shawano County	1		
Kitsap County	1	1	4	Taylor County	1		
Lewis County	2	4	2	Vernon County			1
Lincoln County	1		1	Vilas County			1
Pacific County		1		Washburn County	2		
Pend Oreille County	3	4	1	Waupaca County	1		1
Pierce County	2	3	8	Waushara County	1		
Skagit County	1	11	4	Winnebago County	1	1	1
Snohomish County	20	5	20	Wood County	2		4
Spokane County—				<b>Total</b>	<b>226</b>	<b>161</b>	<b>119</b>
Spokane	63	44	27	<b>Wyoming:</b>			
Scatterng.	19	3	1	Johnson County		1	
Thurston County			1	Laramie County	1		
Walla Walla County			1	Lincoln County			4
Whatcom County	1	1	10	Natrona County	1		
Whitman County		2	2	Niobrara County			
Yakima County		5	27	Park County	2	1	
<b>Total</b>	<b>188</b>	<b>171</b>	<b>196</b>	Platte County	1		
				Sheridan County		2	
				<b>Total</b>	<b>6</b>	<b>4</b>	<b>4</b>

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

TYPHOID FEVER.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Alabama:</b>				<b>California—Continued.</b>			
Baldwin County .....		1	2	Glenn County .....	4		
Bibb County .....			2	Humboldt County .....	1	1	1
Bullock County .....			1	Imperial County .....	6		2
Butler County .....		2	1	Kings County .....	1		
Calhoun County .....		1	1	Lake County .....	4		
Chambers County .....	1		1	Los Angeles County .....	9	6	4
Choctaw County .....			1	Madera County .....	1		
Cleburne County .....	1		1	Merced County .....		1	1
Coffee County .....	2	4		Modoc County .....	3		
Colbert County .....		1		Orange County .....	1	1	
Covington County .....	1	1		Riverside County .....	2		
Crenshaw County .....			1	Sacramento County .....	4	4	3
Dallas County .....	4	1		San Bernardino County .....	1	2	
DeKalb County .....	2	1	2	San Diego County .....	2		
Elmore County .....	2	1		San Francisco County .....	3	1	4
Escambia County .....	1			San Joaquin County .....	3	8	4
Etowah County .....	1			San Luis Obispo County .....	1		1
Geneva County .....		2	5	San Mateo County .....	1		
Henry County .....	1		4	Santa Clara County .....	1	1	
Houston County .....	2		1	Santa Cruz County .....	1		
Jackson County .....			3	Siskiyou County .....	1		
Jefferson County .....	7	6	26	Sonoma County .....		1	
Lauderdale County .....	1		1	Tehama County .....	1		2
Lawrence County .....	1			Place not stated .....	2	1	2
Limestone County .....			2	<b>Total .....</b>	<b>57</b>	<b>28</b>	<b>27</b>
Madison County .....	1		2	<b>Colorado:</b>			
Marengo County .....			2	Bent County .....			1
Marshall County .....	1	2		Fremont County .....			3
Mobile County .....	1	2	2	Jefferson County .....	1		
Monroe County .....	2	1		Larimer County .....		1	
Montgomery County .....		2		Las Animas County .....	1	1	
Perry County .....			1	Moffat County .....	2	1	
Pickens County .....	1			Montezuma County .....	2		
Pike County .....		1		Montrose County .....	2		
Randolph County .....			1	Pueblo County .....	2	1	1
St. Clair County .....	1			Prowers County .....	1		
Shelby County .....		2	2	Weld County .....	1	1	
Sumter County .....	1	2		<b>Total .....</b>	<b>12</b>	<b>4</b>	<b>5</b>
Talladega County .....	3	1	24	<b>Connecticut:</b>			
Tuscaloosa County .....			1	Fairfield County .....	2		1
Walker County .....			5	Hartford County .....		1	
<b>Total .....</b>	<b>38</b>	<b>34</b>	<b>95</b>	Litchfield County .....	1		
<b>Arizona:</b>				New Haven County .....	3	1	1
Apache County .....			1	Windham County .....	1	3	7
Cochise County .....	2			<b>Total .....</b>	<b>7</b>	<b>5</b>	<b>9</b>
Maricopa County .....	1			<b>Delaware:</b>			
Mohave County .....		1		Kent County .....	1	1	
Pima County .....		1		New Castle County .....			1
Yuma County .....		1		Sussex County .....	2		
<b>Total .....</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>Total .....</b>	<b>3</b>	<b>1</b>	<b>1</b>
<b>Arkansas:</b>				<b>District of Columbia .....</b>	<b>2</b>	<b>4</b>	<b>3</b>
Benton County .....		1		<b>Florida:</b>			
Bradley County .....	2			Alachua County .....	1	3	1
Calhoun County .....	1	1	2	Bay County .....	2		
Garland County .....	3			Bradford County .....			1
Izard County .....	2			Clay County .....		1	1
Lonoke County .....	1			Columbia County .....	2	1	4
Perry County .....	1			Dade County .....		3	4
Pulaski County .....	8			Duval County .....	5	2	3
St. Francis County .....		2		Escambia County .....	6	1	6
Sebastian County .....	4	2		Franklin County .....	2		
Sharp County .....	3			Gadsden County .....	2	1	1
Union County .....	2	3	1	Glades County .....		1	
Washington County .....	12	7	2	Hardee County .....	1	2	4
<b>Total .....</b>	<b>39</b>	<b>16</b>	<b>5</b>	Hernando County .....			1
<b>California:</b>				Hillsborough County .....	8	9	9
Alameda County .....	3	1	3				
Contra Costa County .....	1						
Fresno County .....			2				



STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Florida—Continued.</b>				<b>Illinois—Continued.</b>			
Lee County.....			1	Menard County.....			2
Levy County.....	1	1		Mercer County.....	1		
Manatee County.....			2	Montgomery County.....		1	1
Marion County.....	1	1		Morgan County.....	4	1	1
Orange County.....		1	2	Ogle County.....	1		
Osceola County.....			1	Peoria County.....	2		2
Pasco County.....	1			Pike County.....			1
Pinellas County.....	1	2	1	Pulaski County.....			1
Polk County.....	2	3	5	Randolph County.....		1	2
Putnam County.....	1			Richland County.....	1		1
St. Johns County.....			1	Rock Island County.....	1	2	4
Santa Rosa County.....	2	2		St. Clair County.....	1		4
Seminole County.....			3	Saline County.....			1
Taylor County.....			3	Sangamon County.....	1		3
Volusia County.....			4	Schuyler County.....			1
Washington County.....		1		Stark County.....	1		1
<b>Total.....</b>	<b>38</b>	<b>35</b>	<b>55</b>	Tazewell County.....	2		5
<b>Hawaii:</b>				Union County.....		1	1
Hawaii.....	1	1		Vermilion County.....	1		1
Kauai.....	3	3		Wabash County.....	1		
Maui.....	2		4	White County.....			1
Oahu.....	7	13	15	Will County.....	1		2
<b>Total.....</b>	<b>13</b>	<b>17</b>	<b>19</b>	Williamson County.....	1	2	4
<b>Idaho:</b>				Woodford County.....			1
Canyon County.....	1			<b>Total.....</b>	<b>65</b>	<b>31</b>	<b>89</b>
Owyhee County.....			1	<b>Indiana:</b>			
<b>Total.....</b>	<b>1</b>		<b>1</b>	Allen County.....		1	
<b>Illinois:</b>				Clay County.....	1		
Adams County.....	3		2	Daviess County.....		1	
Alexander County.....	1		1	Dearborn County.....		4	
Bureau County.....		1	1	Grant County.....	2		
Bond County.....		3		Jay County.....	1		
Clark County.....	2	1		Knox County.....		9	
Coles County.....	2			Lake County.....	2	1	10
Cook County.....	14	4	6	Marion County.....			1
De Kalb County.....	1	1		Marshall County.....			1
De Witt County.....			1	Martin County.....	3	1	
Douglas County.....		1		St. Joseph County.....		2	
Edgar County.....	1			Tippecanoe County.....			1
Fayette County.....			2	Wayne County.....	1		
Franklin County.....	1	1	8	<b>Total.....</b>	<b>10</b>	<b>19</b>	<b>13</b>
Ford County.....		1		<b>Iowa:</b>			
Gallatin County.....			1	Black Hawk County.....	1		
Greene County.....			1	Fayette County.....	1	1	
Grundy County.....	1			Franklin County.....		1	
Hamilton County.....	1	1		Muscatine County.....			1
Hancock County.....		1		Woodbury County.....			1
Hardin County.....			2	<b>Total.....</b>	<b>2</b>	<b>2</b>	<b>2</b>
Henderson County.....	2			<b>Kansas:</b>			
Henry County.....			2	Coffey County.....	1		
Jackson County.....	1	1	4	Cowley County.....	1		
Jefferson County.....	6		6	Crawford County.....	1		1
Jo Daviess County.....	1		1	Decatur County.....			1
Kane County.....	1			Doniphan County.....	1		
Kendall County.....			1	Greenwood County.....	2		
Knox County.....	1	1		Jewell County.....			1
La Salle County.....	1	1	2	Johnson County.....	1		
Lake County.....	2		2	Labette County.....	1		
Lawrence County.....	1			Neosho County.....	1		
Livingston County.....	1			Norton County.....	4		
Logan County.....			1	Sedgwick County.....		1	
McHenry County.....		1		Trego County.....	1		
McLean County.....	1			Woodson County.....	1		
Macon County.....		1		Wyandotte County.....		1	
Macoupin County.....	6		2	<b>Total.....</b>	<b>15</b>	<b>2</b>	<b>3</b>
Madison County.....		1	2				
Marion County.....		1					
Mason County.....		1	1				

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Louisiana:</b>				<b>Massachusetts:</b>			
Avoyelles Parish.....	1			Berkshire County.....	3		
Beauregard Parish.....	2			Bristol County.....	2	2	1
Bienville Parish.....	1			Essex County—			
Caddo Parish.....	3	4	3	Lawrence.....	2	1	11
Natchitoches Parish.....			2	Scattering.....	5	3	2
Calborno Parish.....		1		Hampden County.....	1		
De Soto Parish.....		1		Hampshire County.....	1		
East Baton Rouge				Middlesex County.....	7	5	4
Parish.....	1		1	Norfolk County.....			2
East Feliciana Parish.....	2			Plymouth County.....	3	1	
Franklin Parish.....		1		Suffolk County.....	4	5	9
Iberia Parish.....			1	Worcester County.....	10	5	13
Iberville Parish.....	1			Total.....	38	22	42
Jefferson Parish.....	4			<b>Michigan:</b>			
Jefferson Davis Parish.....		1	1	Barry County.....	1		
Lafourche Parish.....	4			Bay County.....	5	13	9
Natchitoches Parish.....	1	1		Berrien County.....		1	1
Orleans Parish.....	32	9	12	Calhoun County.....		1	
Ouachita Parish.....	1	2	5	Cass County.....	1	1	1
Plaquemines Parish.....	2			Clinton County.....	1		
Pointe Coupee Parish.....	1			Eaton County.....		1	
Rapides Parish.....	1			Genesee County.....	1	3	
Red River Parish.....			3	Gladwin County.....	1		
Richland Parish.....		2		Gogebic County.....	1		1
St. Charles Parish.....	1	2		Grand Traverse County.....	1		
St. James Parish.....			1	Gratiot County.....			1
St. Landry Parish.....	1		2	Hillsdale County.....			1
St. Martin Parish.....	1			Huron County.....		1	
St. Mary Parish.....	1	3	1	Ingham County.....	5	2	4
Tangipahoa Parish.....	3			Ionia County.....		1	
Terrebone Parish.....	4	2		Isabella County.....		1	
Vermilion Parish.....			1	Jackson County.....	1		
Washington Parish.....	2	2	2	Kalamazoo County.....		1	
West Baton Rouge				Kalkaska County.....	2		
Parish.....	1			Kent County.....	2	5	1
Winn Parish.....	1			Lenawee County.....	6	1	
Total.....	72	31	35	Livingston County.....	1		
<b>Maine:</b>				Macomb County.....	5	4	2
Androscoggin County.....	1	1	2	Manistee County.....	1		
Aroostook County—				Marquette County.....	1		2
Presque Isle.....		17		Mason County.....	1		
Scattering.....	2		1	Mecosta County.....	3		1
Cumberland County.....	1	1	2	Menominee County.....			1
Franklin County.....	1			Midland County.....		1	1
Hancock County.....	1	1		Monroe County.....		4	
Kennebec County.....			1	Montcalm County.....			1
Oxford County.....		1		Muskegon County.....	2	1	1
Penobscot County.....		2	1	Oakland County.....		2	
Total.....	6	23	7	Ontonagon County.....	1		
<b>Maryland:</b>				Ottawa County.....		1	5
Allegany County.....		3		Saginaw County.....	3	1	
Anne Arundel County.....			4	St. Clair County.....		1	1
Baltimore City.....	10	5	12	Shiawassee County.....	2	5	12
Baltimore County.....			1	Tuscola County.....	1	1	
Calvert County.....		1		Washtenaw County.....	1		1
Carroll County.....			1	Wayne County.....	7	17	6
Charles County.....		1		Total.....	57	70	53
Cecil County.....	1			<b>Minnesota:</b>			
Dorchester County.....			2	Aitkin County.....	2		
Frederick County.....	4	1	1	Blue Earth County.....		1	1
Garrett County.....	2			Brown County.....	1		
Harford County.....		1	1	Chippewa County.....			
Howard County.....		1		Crow Wing County.....			1
Kent County.....	1			Dakota County.....	1		
Prince Georges County.....			3	Douglas County.....	1		
St. Marys County.....	1	1		Goodhue County.....			1
Somerset County.....	2	2	1	Hennepin County.....	2	4	2
Washington County.....	3	2	1	Kanabec County.....		1	
Worcester County.....		1		Kandiyohi County.....			1
Total.....	24	19	27	Lincoln County.....	1	1	2
				Olmstead County.....	1	1	2
				Ottertail County.....			2
				Polk County.....	1	4	2

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Minnesota—Continued.				Nebraska:			
Ramsey County.....		2	5	Douglas County.....	2	3	
Renville County.....			1	Holt County.....	1		
St. Louis County.....	3			Lancaster County.....	1		
Stearns County.....	1			Nemaha County.....	1		
Washington County.....	1			Pierce County.....			2
Winona County.....	1			Richardson County.....		1	1
Total.....	15	15	18	Rock County.....	1		
Mississippi:				Webster County.....	1		
Adams County.....	2	1	1	Total.....	7	4	3
Amite County.....			1	New Jersey:			
Benton County.....		1		Atlantic County.....	1		
Bolivar County.....	1	3	1	Bergen County.....		1	
Chickasaw County.....			3	Burlington County.....	1	1	
Clarke County.....	1			Camden County.....	1		2
Copiah County.....	1	1	3	Essex County.....	7	3	2
De Soto County.....	1		1	Gloucester County.....	1		
Forest County.....		2	1	Hudson County.....		4	2
George County.....	1			Mercer County.....	1	5	3
Hancock County.....			1	Middlesex County.....			2
Harrison County.....		1		Morris County.....	2	1	1
Hinds County.....		2	1	Monmouth County.....	2	1	
Holmes County.....	3			Passaic County.....			4
Humphreys County.....	2		1	Sussex County.....	3	1	
Jackson County.....	3	2	2	Union County.....	1	4	
Jefferson Davis County.....	1	1		Total.....	21	21	16
Kemper County.....			2	New York:			
Lafayette County.....	2			Albany County.....	7	1	4
Lauderdale County.....	1	1	1	Allegany County.....	1		1
Lawrence County.....	1	1	1	Broome County.....		2	
Leflore County.....	1	1	1	Cattaraugus County.....			1
Lincoln County.....	1	1		Chautauqua County.....	2	1	1
Lowndes County.....		2	1	Chemung County.....		1	
Marion County.....	1			Clinton County.....	7	1	
Marshall County.....	2	2	1	Delaware County.....	1		1
Monroe County.....	3			Dutchess County.....	2		1
Montgomery County.....			2	Erie County.....	6	11	2
Newton County.....	1	1	1	Essex County.....	2	4	1
Panola County.....	3			Genesee County.....			1
Pike County.....	2	1	2	Greene County.....		1	
Pontotoc County.....		2	1	Herkimer County.....	3	1	
Prentiss County.....	1	2	1	Jefferson County.....	1	1	2
Rankin County.....			3	Livingston County.....	3		
Scott County.....			2	Monroe County.....	6	2	6
Sharkey County.....	1	1		Montgomery County.....			1
Simpson County.....			4	Nassau County.....	3		
Sunflower County.....			3	Niagara County.....	2	3	2
Tallahatchie County.....		3	6	Oneida County.....	1		
Tate County.....			2	Onondaga County.....	2	2	1
Tunica County.....			1	Ontario County.....	4	3	
Walthall County.....	1			Orange County.....	1		1
Warren County.....	4	5	1	Orleans County.....			1
Washington County.....	2		4	Oswego County.....		1	1
Wilkinson County.....		1		Otsego County.....	2	1	2
Yalobusha County.....	2		1	Rensselaer County.....	2	1	1
Yazoo County.....	1	1	1	Rockland County.....			1
Total.....	47	40	58	St. Lawrence County.....	2	4	3
Montana:				Saratoga County.....			1
Big Horn County.....	1			Schoharie County.....	1		
Blaine County.....	1			Schuyler County.....	1		
Carbon County.....	1			Seneca County.....	3		
Cascade County.....	1			Steuben County.....	1	5	8
Gallatin County.....		1		Sullivan County.....	1		2
Hill County.....			1	Suffolk County.....		1	
Lewis and Clark County.....		1		Tioga County.....			1
Meagher County.....	1			Tompkins County.....	2	1	
Musselshell County.....	1			Ulster County.....	2		3
Rosebud County.....		1		Warren County.....			1
Yellowstone County.....	2	1		Washington County.....		1	5
Total.....	8	4	1	Wayne County.....	1		2
				Westchester County.....	4	2	1

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
New York—Continued.				Ohio—Continued.			
Yates County.....	1	2	2	Mercer County.....	1		
New York City.....	64	22	29	Miami County.....	1		1
Total.....	142	75	90	Muskingum County.....	1		
North Carolina:				Ottawa County.....		2	
Anson County.....	1			Paulding County.....			2
Beaufort County.....	1			Pickaway County.....	1		
Buncombe County.....		1	2	Pike County.....	1		
Cabarrus County.....		1	6	Portage County.....	1		
Caldwell County.....			1	Ross County.....	1		
Cleveland County.....	2	3	2	Sandusky County.....	5		
Columbus County.....		1		Seneca County.....	1		
Craven County.....		2		Scioto County.....		3	1
Davidson County.....	1		2	Stark County.....		1	1
Edgecombe County.....			1	Summit County.....		1	4
Franklin County.....	1			Trumbull County.....	4	1	
Gaston County.....	1	1		Tuscarawas County.....		1	3
Granville County.....			2	Vinton County.....	1		
Greene County.....		1		Total.....	69	33	44
Guilford County.....		1	1	Oklahoma:			
Halifax County.....	1			Garfield County.....	1		
Jackson County.....		2	3	Harmon County.....	3		
Johnston County.....	1	1		Haskell County.....	1		
Mecklenburg County.....	1		2	Love County.....		1	
Nash County.....		1	2	Mays County.....	1		
New Hanover County.....	1	2		Norvata County.....	1		
Person County.....	12	12		Ottawa County.....		4	2
Randolph County.....		1		Tulsa County.....		1	1
Robeson County.....	2			Total.....	5	6	3
Rockingham County.....			13	Oregon:			
Rutherford County.....	1			Coos County.....	3		1
Sampson County.....	1			Harney County.....		1	
Surry County.....	1			Linn County.....	1		
Wake County.....			1	Marion County.....		1	
Watauga County.....			2	Morrow County.....		1	
Wayne County.....	1			Multnomah County.....		1	2
Yancey County.....	1			Union County.....	1	1	1
Total.....	30	30	40	Wallowa County.....		1	
North Dakota:				Total.....	5	6	4
La Moure County.....	3		1	Pennsylvania:			
Nelson County.....	1			Adams County.....		3	1
Pembina County.....		1		Allegheny County.....	12	7	4
Stutsman County.....	1			Armstrong County.....	5	2	
Walsh County.....		1		Beaver County.....	4	1	1
Total.....	5	2	1	Bodford County.....	5		1
Ohio:				Berks County.....		2	2
Ashtabula County.....	4			Bradford County.....		3	
Auglaize County.....			1	Buck County.....			1
Belmont County.....	8	1	1	Butler County.....	1	1	1
Butler County.....			2	Cambria County.....	10	2	1
Brown County.....	1			Chester County.....	2	5	3
Clark County.....		1		Clearfield County.....	3	1	
Columbiana County.....	2		2	Clinton County.....		1	
Coshocton County.....			2	Columbia County.....	1		
Cuyahoga County.....	9	4	10	Crawford County.....			1
Erie County.....	3	1		Cumberland County.....	1	2	
Franklin County.....	4			Dauphin County.....			2
Fulton County.....		3	1	Delaware County.....	1	1	1
Geauga County.....			1	Erie County.....	2	1	
Guernsey County.....	4		1	Fayette County.....	1	4	
Hamilton County.....	2	7	2	Franklin County.....	43	32	1
Henry County.....	1			Greene County.....		1	
Jefferson County.....	1			Huntingdon County.....	5		2
Knox County.....	3			Indiana County.....	10		3
Licking County.....	1			Jefferson County.....		1	2
Logan County.....			1	Lackawanna County.....			1
Lorain County.....			3	Lancaster County.....	4	4	6
Lucas County.....	2		1	Lebanon County.....	1	1	2
Mahoning County.....	4	7	4	Lehigh County.....	3	1	1
Medina County.....	1			Luzerne County.....		1	4
Meigs County.....	1						

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Pennsylvania—Continued.</b>				<b>Virginia—Continued.</b>			
Lycoming County.....			1	Dickenson County.....	1		
McKean County.....	1			Dinwiddie County.....			1
Mercer County.....	2	1		Fauquier County.....		1	1
Monroe County.....			2	Giles County.....	4		
Montgomery County.....	3	2	4	Grayson County.....		1	2
Northampton County.....	4	2		Hanover County.....			2
Northumberland County.....	1		4	Henry County.....	2	1	1
Philadelphia County.....	3	12	10	King and Queen County.....	1		
Schuylkill County.....	1		1	Lee County.....	2		
Snyder County.....	1		2	Mecklenburg County.....			1
Somerset County.....	15	1		Montgomery County.....		2	
Susquehanna County.....	1	1		Nelson County.....		2	2
Tioga County.....			1	Northampton County.....	2		1
Washington County.....			3	Page County.....		3	1
Wayne County.....		1		Pulaski County.....		1	
Westmoreland County.....	6	4	1	Roanoke County.....		2	
York County.....	1	2	3	Rockbridge County.....	3	1	
<b>Total.....</b>	<b>153</b>	<b>103</b>	<b>73</b>	Rockingham County.....			2
<b>Rhode Island:</b>				Shenandoah County.....			2
Kent County.....	1			Smyth County.....	1		1
Providence County.....	5	1	2	Surry County.....	2		
<b>Total.....</b>	<b>6</b>	<b>1</b>	<b>2</b>	Tazewell County.....	2		2
<b>South Carolina:</b>				Warren County.....		2	
Chester County.....	1	1	1	Washington County.....		1	4
Darlington County.....		2		Wise County.....	1	2	1
Fairfield County.....	1			<b>Total.....</b>	<b>30</b>	<b>23</b>	<b>29</b>
Greenview County.....			1	<b>Washington:</b>			
Greenwood County.....	1	2	2	Chelan County.....	8		2
Jasper County.....	1			Clarke County.....	1		
Laurens County.....	2			Grays Harbor County.....	1		
Richland County.....	1		2	King County.....	4	2	1
Spartanburg County.....	1			Kitsap County.....	3		
Sumter County.....	1	1		Lincoln County.....	2		
<b>Total.....</b>	<b>9</b>	<b>6</b>	<b>6</b>	Pend Oreille County.....	1		
<b>South Dakota:</b>				Pierce County.....	7	3	1
Brule County.....	1			Skagit County.....	1	1	2
Codington County.....		2		Snohomish County.....	2		
Day County.....	1			Spokane County.....	1	1	6
Gregory County.....		1		Thurston County.....	1		6
Hand County.....		1		Walla Walla County.....		3	
Jones County.....		1		Whitman County.....	1		2
Lawrence County.....		1		Yakima County.....	3	4	2
Miner County.....	1			<b>Total.....</b>	<b>36</b>	<b>14</b>	<b>20</b>
Minnehaha County.....	1			<b>West Virginia:</b>			
Pennington County.....	1			Barbour County.....		3	1
Walworth County.....			1	Berkeley County.....	4		2
Yankton County.....	3			Boone County.....			3
Ziebach County.....		1	1	Braxton County.....	3	1	2
<b>Total.....</b>	<b>8</b>	<b>7</b>	<b>2</b>	Cabell County.....			1
<b>Vermont:</b>				Clay County.....	2	1	
Addison County.....			3	Gilmer County.....			1
Franklin County.....	2		1	Harrison County.....	1		
Orleans County.....			1	Kanawha County.....		8	9
Rutland County.....	4			Lincoln County.....	1	1	
<b>Total.....</b>	<b>6</b>		<b>5</b>	Logan County.....			13
<b>Virginia:</b>				Marion County.....	1	1	3
Albemarle County.....	1	3		Marshall County.....	1		
Alexandria City.....			1	Mercer County.....			3
Alleghany County.....	2			Mineral County.....		1	2
Amherst County.....			2	Mingo County.....	2	5	5
Bland County.....	1			Monongalia County.....	2	1	
Buchanan County.....	3			Monroe County.....	3		
Charles City County.....		1		Nicholas County.....			1
Caroline County.....	1		2	Ohio County.....	5	5	2
Culpeper County.....	1			Taylor County.....	1		
				Tucker County.....			5
				Tyler County.....		1	1
				Webster County.....	1		
				Wyoming County.....		1	
				<b>Total.....</b>	<b>25</b>	<b>29</b>	<b>54</b>

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

TYPHOID FEVER—Continued.

Place.	New cases reported.			Place.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Wisconsin:				Wisconsin—Continued.			
Bayfield County.....	1		3	Langlade County.....	1		
Brown County.....		1	1	Manitowoc County.....		1	8
Calumet County.....			1	Marathon County.....	1		1
Dane County.....	1			Marinette County.....	1		
Dodge County.....			1	Milwaukee County.....	3	1	2
Fond du Lac County.....		1		Outagamie County.....	1	3	2
Forest County.....		1		Pierce County.....			1
Grant County.....	1			Rusk County.....	1		
Green County.....			1	Sheboygan County.....	1	1	1
Iron County.....	1			Walworth County.....	1		
Juneau County.....		1		Winnebago County.....			2
Kenosha County.....	2		1	Waupaca County.....			1
Kewaunee County.....	2	2					
La Crosse County.....	5			Total.....	23	12	26

TYPHUS FEVER.

California.....		1	Connecticut: New Haven...	1		
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SUMMARY OF DISEASES.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Alabama:				Arkansas—Continued.			
Cancer.....	2	4		Malaria.....	127	69	86
Chicken pox.....	95	80	162	Measles.....	120	254	561
Dengue.....	71	30	10	Mumps.....	9	12	17
Diphtheria.....	108	65	75	Ophthalmia neonatorum.....	1		
Dysentery.....	10	16	23	Paratyphoid fever.....		5	
German measles.....		6		Pellagra.....	18	7	14
Influenza.....	5,607	2,247	1,732	Pneumonia (all forms).....	13	7	
Lethargic encephalitis.....		1	5	Poliomyelitis.....	1	2	
Malaria.....	71	58	197	Scarlet fever.....	15	19	14
Measles.....	66	255	2,716	Smallpox.....	32	10	30
Mumps.....	10	29		Trachoma.....	5	12	9
Ophthalmia neonatorum.....	3	6		Tuberculosis (all forms).....	50	23	33
Pellagra.....	15	15	30	Typhoid fever.....	39	16	5
Pneumonia (all forms).....	584	505	606	Whooping cough.....	56	37	55
Poliomyelitis.....		3	3	California:			
Scarlet fever.....	71	57	33	Anthrax.....	1		1
Smallpox.....	18	29	51	Botulism.....	2	1	2
Tetanus.....	4			Cerebrospinal meningitis (epidemic).....	13	8	11
Trachoma.....	3	3		Chicken pox.....	778	904	940
Trichinosis.....	1			Diphtheria.....	924	657	629
Tuberculosis (all forms).....	140	166	166	Dysentery (amebic).....	3	3	5
Typhoid fever.....	38	34	95	Dysentery (bacillary).....	3	2	3
Whooping cough.....	121	165	382	German measles.....	18	23	76
Arizona:				Hookworm disease.....		1	2
Cerebrospinal meningitis (epidemic).....			1	Influenza.....	603	3,985	1,651
Chicken pox.....		1	21	Jaundice (infectious).....	2	4	
Diphtheria.....	13	9	8	Leprosy.....	1	2	2
Leprosy.....			1	Lethargic encephalitis.....	19	11	15
Lethargic encephalitis.....			2	Malaria.....	8	6	6
Measles.....		19	7	Measles.....	737	1,780	2,867
Mumps.....			59	Mumps.....	83	79	127
Pneumonia (all forms).....		4	4	Ophthalmia neonatorum.....	3		1
Scarlet fever.....	17	21	28	Pellagra.....	4		3
Smallpox.....	14	38	22	Paratyphoid fever.....		1	2
Trachoma.....		42		Pneumonia (all forms).....	701	818	797
Tuberculosis (all forms).....	108	11	53	Poliomyelitis.....	3	3	1
Typhoid fever.....	3	3	1	Rabies.....	2	3	
Whooping cough.....		3	34	Scarlet fever.....	756	792	803
Arkansas:				Smallpox.....	97	74	84
Cancer.....	8	4	4	Tetanus.....	1	4	5
Cerebrospinal meningitis (epidemic).....	1	1	1	Trachoma.....	23	19	31
Chicken pox.....	331	94	61	Tuberculosis (all forms).....	811	646	665
Dengue.....			1	Typhoid fever.....	57	28	27
Diphtheria.....	68	24	11	Typhus fever.....			1
Hookworm disease.....	5			Whooping cough.....	517	459	714
Influenza.....	9,747	3,159	1,120				

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
Colorado:				District of Columbia—Con.			
Cancer.....	1	1	2	Influenza.....	229	80	55
Cerebrospinal meningitis (epidemic).....	1	.....	2	Lethargic encephalitis.....	.....	.....	6
Chicken pox.....	315	249	215	Measles.....	160	358	1,398
Diphtheria.....	347	269	166	Poliomyelitis.....	1	.....	.....
Dysentery.....	1	.....	.....	Scarlet fever.....	131	89	125
Impetigo contagiosa.....	1	.....	.....	Smallpox.....	.....	1	1
Influenza.....	4	85	124	Tuberculosis (all forms).....	110	114	132
Lethargic encephalitis.....	.....	2	.....	Typhoid fever.....	2	4	3
Measles.....	30	25	200	Whooping cough.....	189	195	237
Mumps.....	100	78	100	Florida:			
Ophthalmia neonatorum.....	.....	.....	.....	Anthrax.....	1	.....	.....
Paratyphoid fever.....	.....	1	.....	Cancer.....	5	11	30
Pneumonia.....	41	44	78	Cerebrospinal meningitis (epidemic).....	1	.....	1
Puerperal septicemia.....	.....	.....	1	Chicken pox.....	46	49	73
Scarlet fever.....	269	251	236	Dengue.....	13	1	1
Septic sore throat.....	.....	2	2	Diphtheria.....	48	48	32
Smallpox.....	47	12	12	Dysentery.....	3	3	8
Tuberculosis.....	27	34	492	German measles.....	.....	.....	4
Typhoid fever.....	12	4	5	Hookworm disease.....	91	54	89
Whooping cough.....	166	130	159	Influenza.....	473	170	98
Connecticut:				Leprosy.....	1	.....	.....
Cerebrospinal meningitis (epidemic).....	8	9	9	Malaria.....	29	26	19
Chicken pox.....	323	202	189	Measles.....	13	25	174
Conjunctivitis (infectious).....	12	3	14	Mumps.....	4	1	4
Diphtheria.....	299	191	259	Ophthalmia neonatorum.....	.....	2	1
Dysentery (amebic).....	.....	3	1	Pellagra.....	2	4	11
Dysentery (bacillary).....	.....	1	.....	Pneumonia (all forms).....	48	31	115
Favus.....	1	.....	.....	Poliomyelitis.....	.....	.....	1
German measles.....	14	3	12	Scarlet fever.....	13	11	7
Influenza.....	284	1,365	765	Smallpox.....	55	41	44
Lethargic encephalitis.....	2	34	31	Tetanus.....	1	1	2
Measles.....	2,061	1,575	1,328	Trachoma.....	.....	.....	.....
Mumps.....	94	270	170	Trichinosis.....	.....	.....	.....
Occupational dermatitis.....	1	.....	.....	Tuberculosis (all forms).....	30	76	89
Paratyphoid fever.....	5	2	.....	Typhoid fever.....	38	35	55
Pneumonia (lobar).....	236	265	277	Whooping cough.....	13	6	25
Poliomyelitis.....	1	1	1	Hawaii:			
Scarlet fever.....	459	362	372	Cerebrospinal meningitis.....	1	.....	3
Septic sore throat.....	1	.....	.....	Chicken pox.....	9	20	15
Smallpox.....	4	10	6	Diphtheria.....	19	18	14
Trachoma.....	1	.....	2	Dysentery (amebic).....	1	1	1
Trichinosis.....	.....	.....	2	Influenza.....	32	77	27
Tuberculosis (pulmonary).....	118	101	145	Leprosy.....	5	5	3
Tuberculosis (other forms).....	9	6	15	Measles.....	362	265	288
Typhoid fever.....	7	5	9	Poliomyelitis.....	2	4	1
Typhus fever.....	1	.....	.....	Scarlet fever.....	.....	.....	3
Whooping cough.....	352	303	253	Tetanus.....	4	3	3
Yaws.....	.....	1	.....	Trachoma.....	6	6	12
Delaware:				Tuberculosis (all forms).....	68	92	81
Cerebrospinal meningitis (epidemic).....	1	.....	.....	Typhoid fever.....	13	17	19
Chicken pox.....	47	11	2	Whooping cough.....	74	31	77
Diphtheria.....	21	14	10	Idaho:			
Influenza.....	210	91	29	Chicken pox.....	65	44	32
Malaria.....	.....	1	.....	Conjunctivitis (epidemic).....	2	2	4
Measles.....	405	218	160	Diphtheria.....	13	12	3
Mumps.....	3	2	5	Influenza.....	.....	.....	44
Pneumonia (all forms).....	36	23	15	Measles.....	1	2	2
Scabies.....	2	.....	.....	Mumps.....	.....	3	.....
Scarlet fever.....	53	39	33	Scarlet fever.....	30	20	30
Tetanus.....	.....	1	.....	Smallpox.....	28	18	11
Tuberculosis (all forms).....	19	11	20	Trachoma.....	1	.....	.....
Typhoid fever.....	3	1	1	Tuberculosis (all forms).....	3	.....	1
Whooping cough.....	18	9	6	Typhoid fever.....	1	.....	1
District of Columbia:				Whooping cough.....	6	1	23
Cerebrospinal meningitis (epidemic).....	2	.....	2	Illinois:			
Chicken pox.....	171	150	161	Actinomycosis.....	1	.....	.....
Diphtheria.....	120	43	47	Cerebrospinal meningitis (epidemic).....	15	8	25
				Chicken pox.....	1,856	1,039	978
				Diphtheria.....	1,697	1,090	1,032
				Dysentery.....	124	103	133
				German measles.....	46	45	75
				Influenza.....	1,032	3,371	1,737
				Lethargic encephalitis.....	12	18	22

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Illinois—Continued.</b>				<b>Louisiana—Continued.</b>			
Malaria.....	3	3	26	Measles.....	17	60	50
Measles.....	2,154	4,011	6,604	Mumps.....	2	3	4
Mumps.....	733	656	809	Ophthalmia neonatorum.....	1	.....	.....
Occupational diseases and disabilities.....	10	19	10	Pellagra.....	4	7	3
Ophthalmia neonatorum.....	30	29	43	Pneumonia (all forms).....	1,197	272	1,257
Paratyphoid fever.....	1	1	2	Poliomyelitis.....	1	1	2
Pneumonia (all forms).....	2,687	3,508	3,205	Scarlet fever.....	22	22	129
Poliomyelitis.....	5	5	8	Smallpox.....	86	99	129
Puerperal septicemia.....	5	6	10	Tuberculosis (all forms).....	1,197	1,194	1,146
Scarlet fever.....	1,565	1,071	1,006	Typhoid fever.....	72	31	35
Septic sore throat.....	23	23	11	Whooping cough.....	71	157	131
Smallpox.....	367	119	63	<b>Maine:</b>			
Tetanus.....	1	.....	2	Cerebrospinal meningitis (epidemic).....	.....	.....	2
Trachoma.....	8	7	8	Chicken pox.....	106	83	135
Tuberculosis (all forms).....	1,775	1,161	2,489	Conjunctivitis (infectious).....	7	.....	.....
Typhoid fever.....	65	31	89	Diphtheria.....	46	30	32
Whooping cough.....	1,103	973	1,214	German measles.....	7	43	88
<b>Indiana:</b>				Influenza.....	.....	1,095	2,304
Cerebrospinal meningitis (epidemic).....	3	5	.....	Lethargic encephalitis.....	5	.....	.....
Diphtheria.....	571	326	270	Measles.....	221	283	433
Influenza.....	132	888	731	Mumps.....	.....	2	.....
Measles.....	800	1,051	1,543	Pneumonia.....	71	232	260
Pneumonia (all forms).....	79	181	107	Poliomyelitis.....	2	1	.....
Poliomyelitis.....	1	4	.....	Scarlet fever.....	134	77	116
Scarlet fever.....	417	412	344	Smallpox.....	6	2	.....
Smallpox.....	254	149	149	Tetanus.....	1	.....	.....
Tuberculosis (all forms).....	90	86	155	Tuberculosis.....	42	41	63
Typhoid fever.....	10	19	13	Typhoid fever.....	6	23	7
<b>Iowa:</b>				Whooping cough.....	347	232	351
Cerebrospinal meningitis (epidemic).....	4	.....	2	<b>Maryland:</b>			
Diphtheria.....	217	142	116	Cerebrospinal meningitis (epidemic).....	1	2	.....
Measles.....	74	119	325	Chicken pox.....	715	447	428
Poliomyelitis.....	4	1	1	Diphtheria.....	397	240	197
Scarlet fever.....	507	509	500	Dysentery.....	.....	5	2
Smallpox.....	51	37	69	German measles.....	23	25	18
Typhoid fever.....	2	2	2	Influenza.....	4,018	10,867	2,626
<b>Kansas:</b>				Lethargic encephalitis.....	8	30	27
Cancer.....	15	18	22	Malaria.....	3	1	.....
Cerebrospinal meningitis (epidemic).....	2	1	2	Measles.....	764	1,242	1,950
Chicken pox.....	476	318	252	Mumps.....	234	254	297
Diphtheria.....	461	208	140	Ophthalmia neonatorum.....	3	1	3
German measles.....	2	2	1	Paratyphoid fever.....	1	4	1
Hookworm disease.....	.....	.....	1	Pellagra.....	.....	.....	.....
Influenza.....	1,153	3,493	426	Pneumonia (all forms).....	1,015	1,379	994
Lethargic encephalitis.....	4	4	6	Poliomyelitis.....	2	3	1
Malaria.....	.....	1	4	Scabies.....	2	4	.....
Measles.....	146	420	818	Scarlet fever.....	396	327	379
Mumps.....	177	263	248	Septic sore throat.....	15	8	9
Pellagra.....	.....	.....	1	Trachoma.....	.....	.....	.....
Pneumonia (all forms).....	374	643	295	Tuberculosis (all forms).....	213	178	213
Poliomyelitis.....	.....	2	2	Typhoid fever.....	24	19	27
Scarlet fever.....	591	375	317	Vincent's angina.....	2	.....	.....
Septic sore throat.....	1	1	.....	Whooping cough.....	580	453	486
Smallpox.....	30	36	56	<b>Massachusetts:</b>			
Tetanus.....	2	2	1	Actinomycosis.....	.....	1	.....
Trachoma.....	.....	.....	1	Cerebrospinal meningitis (epidemic).....	11	13	11
Tuberculosis (all forms).....	149	121	232	Chicken pox.....	900	567	574
Typhoid fever.....	15	2	3	Conjunctivitis (suppurative).....	36	53	47
Whooping cough.....	134	264	647	Diphtheria.....	890	662	700
<b>Louisiana:</b>				German measles.....	32	24	45
Cerebrospinal meningitis (epidemic).....	1	5	5	Hookworm disease.....	1	2	.....
Chicken pox.....	19	31	47	Influenza.....	611	1,162	486
Dengue.....	1,983	15	6	Lethargic encephalitis.....	8	28	54
Diphtheria.....	1,148	1,127	1,103	Malaria.....	.....	1	1
Dysentery.....	.....	.....	2	Measles.....	3,624	3,874	3,612
Hookworm disease.....	94	26	84	Mumps.....	839	750	1,189
Influenza.....	972	2,846	1,710	Occupational diseases and disabilities.....	5	8	9
Lethargic encephalitis.....	1	.....	1	Ophthalmia neonatorum.....	87	71	80
Malaria.....	34	50	27				

1 A number of these cases occurred prior to the month for which they were reported.



## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>Massachusetts—Continued.</b>				<b>Montana—Continued.</b>			
Pellagra.....	1	.....	.....	Chicken pox.....	114	116	89
Pneumonia (lobar).....	900	979	792	Conjunctivitis.....	.....	1	.....
Poliomyelitis.....	10	9	5	Diphtheria.....	62	39	53
Rabies.....	2	.....	.....	German measles.....	.....	.....	1
Scarlet fever.....	1,216	1,304	1,569	Influenza.....	20	237	23
Septic sore throat.....	14	9	12	Lethargic encephalitis.....	7	9	5
Tetanus.....	.....	1	.....	Measles.....	38	20	22
Trachoma.....	7	4	5	Mumps.....	.....	2	.....
Trichinosis.....	.....	1	3	Pneumonia (all forms).....	28	29	17
Tuberculosis (all forms).....	554	573	543	Poliomyelitis.....	1	1	.....
Typhoid fever.....	38	22	42	<b>R o c k y M o u n t a i n</b>	.....	.....	.....
Whooping cough.....	1,532	1,404	1,884	spotted or tick fever.....	.....	.....	1
<b>Michigan:</b>				Scarlet fever.....	100	65	61
Chicken pox.....	1,149	654	569	Septic sore throat.....	3	3	.....
Diphtheria.....	912	1	569	Smallpox.....	47	37	42
Influenza.....	303	780	149	Tuberculosis (all forms).....	81	106	12
Measles.....	619	589	1,045	Typhoid fever.....	8	4	1
Mumps.....	124	166	260	Whooping cough.....	12	5	6
Pellagra.....	.....	1	.....	<b>Nebraska:</b>			
Pneumonia (all forms).....	1,213	1,383	747	Cerebrospinal meningitis	.....	.....	.....
Poliomyelitis.....	1	2	4	(epidemic).....	2	1	1
Scarlet fever.....	1,614	1,444	1,525	Chicken pox.....	126	70	53
Septic sore throat.....	40	23	.....	Diphtheria.....	131	94	78
Smallpox.....	443	155	130	German measles.....	.....	2	5
Tuberculosis (all forms).....	397	399	553	Influenza.....	193	532	505
Typhoid fever.....	57	70	53	Lethargic encephalitis.....	.....	1	1
Whooping cough.....	762	739	865	Measles.....	38	45	94
<b>Minnesota:</b>				Mumps.....	56	87	88
Cerebrospinal meningitis	.....	.....	.....	Pellagra.....	.....	.....	1
(epidemic).....	2	2	1	Pneumonia (all forms).....	7	16	13
Chicken pox.....	793	449	286	Poliomyelitis.....	2	.....	.....
Diphtheria.....	466	278	218	Scarlet fever.....	277	170	152
Influenza.....	1	42	123	Septic sore throat.....	7	3	.....
Leprosy.....	.....	1	.....	Smallpox.....	20	7	11
Lethargic encephalitis.....	9	25	41	Tuberculosis (all forms).....	25	13	17
Measles.....	680	1,536	2,088	Typhoid fever.....	7	4	3
Pneumonia (all forms).....	22	46	64	Whooping cough.....	36	72	136
Poliomyelitis.....	1	.....	.....	<b>New Jersey:</b>			
Scarlet fever.....	1,239	819	778	Anthrax.....	.....	1	1
Smallpox.....	398	297	209	Cerebrospinal meningitis	.....	.....	.....
Trachoma.....	1	.....	2	(epidemic).....	8	6	16
Tuberculosis (all forms).....	313	245	247	Chicken pox.....	994	592	654
Typhoid fever.....	15	15	18	Diphtheria.....	886	555	590
Whooping cough.....	80	122	181	Dysentery.....	.....	1	.....
<b>Mississippi:</b>				German measles.....	68	47	53
Cancer.....	103	128	135	Influenza.....	345	1,904	671
Cerebrospinal meningitis	.....	.....	.....	Malaria.....	1	.....	1
(epidemic).....	1	1	.....	Measles.....	5,674	4,588	3,842
Chicken pox.....	369	352	417	Occupational diseases	.....	.....	.....
Dengue.....	124	35	26	and disabilities.....	4	4	1
Diphtheria.....	99	81	80	Ophthalmia neonatorum	3	1	1
Dysentery (amebic).....	16	10	32	Paratyphoid fever.....	1	.....	.....
Dysentery (bacillary).....	163	133	161	Pneumonia (all forms).....	998	1,380	978
Hookworm disease.....	466	368	448	Poliomyelitis.....	1	1	3
Influenza.....	48,240	16,411	8,133	Scarlet fever.....	918	868	937
Malaria.....	2,665	3,344	3,280	Smallpox.....	.....	2	2
Measles.....	2,303	3,614	4,893	Trachoma.....	2	2	1
Mumps.....	129	126	139	Tuberculosis (all forms).....	394	363	483
Ophthalmia neonatorum	.....	.....	.....	Typhoid fever.....	21	21	16
.....	17	14	14	Whooping cough.....	598	535	618
Pellagra.....	121	153	209	<b>New York:</b>			
Pneumonia (all forms).....	2,869	2,113	1,612	Anthrax.....	1	2	.....
Poliomyelitis.....	4	4	2	Botulism.....	.....	1	.....
Puerperal septicemia.....	56	34	35	Cerebrospinal meningitis	.....	.....	.....
Scarlet fever.....	33	33	13	(epidemic).....	16	21	36
Smallpox.....	41	41	6	Chicken pox.....	2,714	1,795	1,412
Trachoma.....	3	10	8	Diphtheria.....	1,673	1,208	1,207
Tuberculosis (all forms).....	226	267	287	Dysentery.....	1	.....	2
Typhoid fever.....	47	40	58	German measles.....	80	67	115
Whooping cough.....	702	1,065	1,207	Influenza.....	2,601	16,363	6,542
<b>Montana:</b>				Lethargic encephalitis.....	64	308	282
Actinomycosis.....	1	.....	.....	Malaria.....	3	5	1
Cancer.....	2	.....	.....	Measles.....	3,487	4,184	6,198
Cerebrospinal meningitis	.....	.....	.....	Mumps.....	1,615	1,414	1,555
(epidemic).....	5	9	.....	Ophthalmia neonatorum	5	4	5

STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
<b>New York—Continued.</b>				<b>Oklahoma—Continued.</b>			
Paratyphoid fever.....	3	3	4	Pneumonia (all forms) ..	229	286	136
Pneumonia (all forms)...	3,697	6,720	5,008	Poliomyelitis.....		1	
Poliomyelitis.....	17	7	9	Puerperal septicemia.....		3	
Puerperal septicemia.....	9	8	21	Scarlet fever.....	50	41	28
Scarlet fever.....	2,482	2,506	2,873	Smallpox.....	97	175	102
Septic sore throat.....	36	31	14	Tuberculosis (all forms)...	15	19	18
Smallpox.....	64	43	54	Typhoid fever.....	5	6	3
Tetanus.....	2	2	2	<b>Oregon:</b>			
Trachoma.....		3	4	Cerebrospinal meningi-			
Tuberculosis (all forms)...	1,598	1,728	2,132	tis (epidemic).....		1	
Typhoid fever.....	142	75	90	Chicken pox.....	147	68	82
Vincent's angina.....	5	8	13	Diphtheria.....	104	48	41
Whooping cough.....	1,879	1,561	1,683	Influenza.....	39	181	106
<b>North Carolina:</b>				Lethargic encephalitis...	20	16	4
Cerebrospinal meningi-				Measles.....	24	31	9
gitis (epidemic).....	4	4	7	Mumps.....	13	5	8
Chicken pox.....	425	518	559	Ophthalmia neonatorum	1		
Diphtheria.....	261	155	150	Pneumonia.....	7	3	6
German measles.....	12	10	42	Poliomyelitis.....		3	2
Poliomyelitis.....	1		1	Puerperal septicemia.....		1	
Measles.....	1,678	4,333	8,502	Rocky Mountain spot-			
Ophthalmia neonatorum		1	1	ted or tick fever.....			3
Scarlet fever.....	207	116	117	Scarlet fever.....	69	68	74
Septic sore throat.....	21	19	8	Septic sore throat.....	1	7	
Smallpox.....	351	446	540	Smallpox.....	83	61	89
Typhoid fever.....	30	30	40	Tuberculosis.....	79	52	55
Whooping cough.....	909	1,260	1,136	Typhoid fever.....	5	6	4
<b>North Dakota:</b>				Whooping cough.....	25	16	16
Cerebrospinal meningi-				<b>Pennsylvania:</b>			
tis (epidemic).....		1		Anthrax.....		2	3
Chicken pox.....	44	46	35	Cerebrospinal meningi-			
Diphtheria.....	57	66	90	tis (epidemic).....	3	14	11
Influenza.....		259	108	Chicken pox.....		1,681	1,365
Lethargic encephalitis...	2	7	15	Diphtheria.....	1,661	1,355	1,327
Measles.....	41	28	49	Encephalitis.....		8	59
Mumps.....			1	German measles.....		118	116
Pneumonia.....	36	40	56	Impetigo contagiosa.....		45	49
Poliomyelitis.....	1		2	Measles.....	20,620	20,943	17,667
Scarlet fever.....	209	108	128	Mumps.....		625	765
Smallpox.....	48	73	98	Ophthalmia neonatorum		8	7
Trachoma.....	1	2		Pneumonia (lobar).....	1,076	1,100	994
Tuberculosis.....	9	7	10	Poliomyelitis.....	3	2	5
Typhoid fever.....	5	2	1	Puerperal septicemia.....		4	4
Whooping cough.....	33	22	41	Scabies.....		38	45
<b>Ohio:</b>				Scarlet fever.....	1,813	1,491	1,674
Cerebrospinal meningi-				Smallpox.....	4	1	12
tis (epidemic).....	9	4	10	Tetanus.....			1
Chicken pox.....	1,633	914	715	Trachoma.....		1	9
Diphtheria.....	1,293	773	732	Trichinosis.....		2	
Dysentery.....	1			Tuberculosis (all forms)...		616	472
German measles.....	64	73	173	Typhoid fever.....	153	103	72
Influenza.....	2,714	2,946	548	Whooping cough.....		1,321	1,629
Lethargic encephalitis...	11	17	15	<b>Rhode Island:</b>			
Malaria.....		2		Cerebrospinal meningi-			
Measles.....	5,651	5,275	7,817	tis (epidemic).....	2	1	2
Mumps.....	164	128	136	Chicken pox.....	47	13	13
Occupational diseases				Diphtheria.....	75	81	56
and disabilities.....	51	94	63	German measles.....	9		2
Ophthalmia neonatorum	160	123	140	Influenza.....	8	8	14
Paratyphoid fever.....			3	Lethargic encephalitis...			1
Poliomyelitis.....	4	2	2	Measles.....	819	928	1,194
Pneumonia (all forms)...	984	1,251	894	Mumps.....	14	6	3
Scarlet fever.....	2,116	1,715	1,731	Ophthalmia neonatorum			2
Smallpox.....	226	203	161	Pneumonia (all forms)...	13	7	18
Trachoma.....	7	4	36	Poliomyelitis.....	1		
Tuberculosis (all forms)...	493	617	652	Scarlet fever.....	53	37	39
Typhoid fever.....	69	33	44	Septic sore throat.....	9		1
Whooping cough.....	856	818	898	Trachoma.....			1
<b>Oklahoma:</b>				Tuberculosis (all forms)...	46	32	46
Chicken pox.....	52	70		Typhoid fever.....	6	1	2
Diphtheria.....	28	45	201	Whooping cough.....	25	25	27
Dysentery.....	1	1		<b>South Carolina:</b>			
Influenza.....	1,473	1,877	151	Cancer.....	4	2	1
Malaria.....	94	262		Cerebrospinal meningitis			
Measles.....	21	123	172	(epidemic).....	3	3	5
Mumps.....	3		50	Chicken pox.....	29	14	109

## STATE REPORTS FOR JANUARY, FEBRUARY, AND MARCH, 1923—Con.

## SUMMARY OF DISEASES—Continued.

State and disease.	New cases reported.			State and disease.	New cases reported.		
	Jan.	Feb.	Mar.		Jan.	Feb.	Mar.
South Carolina—Continued.				Washington—Continued.			
Diphtheria.....	258	160	63	German measles.....	4	4	16
Hookworm disease.....	3	9	4	Impetigo contagiosa.....			3
Influenza.....	4,047	473	605	Influenza.....		18	20
Malaria.....			2	Lethargic encephalitis.....	38	6	3
Measles.....	81	40	170	Measles.....	18	23	38
Mumps.....		6	3	Mumps.....	80	109	113
Pellagra.....	18		1	Pneumonia.....	55	57	63
Pneumonia (all forms).....	159	6	14	Poliomyelitis.....	1	2	1
Scarlet fever.....	26	8	35	Scabies.....		5	1
Septic sore throat.....	15			Scarlet fever.....	250	227	215
Smallpox.....	31	24	51	Smallpox.....	188	171	196
Tuberculosis (all forms).....	32		13	Trachoma.....		7	
Typhoid fever.....	9	6	6	Tuberculosis.....	74	74	97
Whooping cough.....	14	33	43	Typhoid fever.....	36	14	20
South Dakota:				Whooping cough.....	167		348
Actinomycosis.....	1			West Virginia:			
Cerebrospinal meningitis (epidemic).....	1	6	4	Cerebrospinal meningitis (epidemic).....	1	2	
Chicken pox.....	105	61	59	Chicken pox.....	223	173	188
Diphtheria.....	78	57	57	Diphtheria.....	232	154	113
Dysentery.....	1			German measles.....	13	16	65
Influenza.....	4	24	102	Glanders.....	2		
Lethargic encephalitis.....			1	Influenza.....	5,410	3,261	952
Measles.....	62	73	87	Measles.....	544	1,054	1,193
Mumps.....	9	5		Mumps.....	13	8	
Pneumonia (all forms).....	97	117	86	Ophthalmia neonatorum.....	1		
Scarlet fever.....	225	198	204	Pneumonia.....	25	7	
Septic sore throat.....		2		Scarlet fever.....	184	145	144
Smallpox.....	56	42	26	Smallpox.....	34	15	44
Tetanus.....	1	1		Trachoma.....		1	
Trachoma.....	2	1	1	Tuberculosis.....	37	46	57
Tuberculosis (all forms).....	19	23	13	Typhoid fever.....	25	29	54
Trichinosis.....	1	1		Whooping cough.....	64	77	
Typhoid fever.....	8	7	2	Wisconsin:			
Whooping cough.....		21	29	Cerebrospinal meningitis (epidemic).....	9	6	9
Vermont:				Chicken pox.....	936	450	385
Chicken pox.....	293	192	82	Diphtheria.....	499	248	299
Diphtheria.....	23	20	23	Influenza.....	568	4,558	4,367
German measles.....		20	5	German measles.....	17	18	9
Influenza.....	2		15	Lethargic encephalitis.....		9	6
Measles.....	126	51	75	Measles.....	5,715	5,000	4,115
Mumps.....	45	46	75	Ophthalmia neonatorum.....		2	3
Pneumonia (all forms).....	24	45	30	Paratyphoid fever.....			1
Scarlet fever.....	83	76	70	Pneumonia (all forms).....	212	343	269
Smallpox.....	14	7	4	Poliomyelitis.....	4	2	2
Tuberculosis (all forms).....	21	11	19	Scarlet fever.....	1,348	1,425	1,592
Typhoid fever.....	6		5	Smallpox.....	226	161	119
Whooping cough.....	286	162	85	Trachoma.....		4	
Virginia:				Tuberculosis (all forms).....	215	139	179
Cerebrospinal meningitis (epidemic).....	8	9	7	Typhoid fever.....	23	12	26
Chicken pox.....	897	786	741	Whooping cough.....	660	435	506
Diarrhea.....	165	135	142	Wyoming:			
Diphtheria.....	454	247	173	Cerebrospinal meningitis (epidemic).....	3		
Hookworm disease.....	10	10	15	Chicken pox.....	57	75	15
Influenza.....	45,778	24,583	9,504	Conjunctivitis (infectious).....		5	
Malaria.....	108	64	122	Diphtheria.....	3	5	3
Measles.....	1,289	2,036	5,682	Influenza.....	109	49	25
Pellagra.....	6	8	2	Impetigo contagiosa.....	2		
Poliomyelitis.....	7	3		Lethargic encephalitis.....	2		
Scarlet fever.....	433	246	183	Measles.....	2	6	53
Smallpox.....	22	28	36	Mumps.....	3	4	5
Tuberculosis (all forms).....	231	236	284	Pneumonia (all forms).....	55	12	9
Typhoid fever.....	30	23	29	Scabies.....		1	
Washington:				Scarlet fever.....	35	41	24
Actinomycosis.....		1		Smallpox.....	6	4	4
Cerebrospinal meningitis (epidemic).....	2	2	5	Tuberculosis (all forms).....	5	2	
Chicken pox.....	414	391	309	Whooping cough.....	4	27	4
Diphtheria.....	116	76	72				
Dysentery.....		2					

## FOREIGN AND INSULAR.

### BRAZIL.

#### Further Relative to Dengue Fever—Rio de Janeiro.<sup>1</sup>

Under date of April 6, 1923, an outbreak of dengue fever was reported at Rio de Janeiro, Brazil. Information dated April 27 shows an increase in the number of cases in the district and city reported during the preceding 10 days, the increase being particularly in the city. No mortality was reported.

### CANADA.

#### Lethargic Encephalitis—Winnipeg.<sup>1</sup>

During the period April 1 to May 19, 1923, eight cases of lethargic encephalitis with two deaths were reported at Winnipeg, Manitoba, Canada.

### CHILE.

#### Mortality—Concepcion—April, 1923.

During the month of April, 1923, 205 deaths were registered at Concepcion, Chile, including pneumonia, 52; smallpox, 4; tuberculosis, 16; typhoid fever, 2; typhus fever, 4. Population, officially estimated, 64,512.

### CUBA.

#### Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	May 11-20, 1923.		Remain- ing under treat- ment May 20, 1923.
	New cases.	Deaths.	
Cerebrospinal meningitis.....	.....	.....	a 3
Chicken pox.....	2	.....	7
Diphtheria.....	3	.....	3
Leprosy.....	.....	.....	b 12
Malaria.....	20	.....	c 28
Measles.....	1	.....	.....
Paratyphoid fever.....	1	.....	1
Typhoid fever.....	15	4	d 27

a From abroad, 2.    b From abroad, 1.    c From the interior, 20.    d From the interior, 16.

<sup>1</sup> Public Health Reports, Apr. 20, 1923, p. 862.

## LATVIA.

## Communicable Diseases—March, 1923.

Communicable diseases were reported in the Republic of Latvia during the month of March, 1923, as follows:

Disease.	Cases.	Remarks.
Cerebrospinal meningitis.....	6	
Chicken pox.....	10	
Diphtheria.....	56	
Influenza.....	45	
Malaria.....	2	
Measles.....	34	
Pneumonia.....	7	
Scarlet fever.....	142	
Smallpox.....	5	
Typhoid fever.....	70	
Typhus fever.....	56	
Typhus fever, recurrent.....	1	Paratyphus, cases, 2.
Whooping cough.....	52	

## Other Diseases—March, 1923.

During the month of March, 1923, other diseases were reported in the Republic of Latvia as follows: Dysentery, 3; leprosy, 4; rabies, 1. Population, officially estimated, 1,900,000.

## NETHERLANDS.

## Typhus Fever—Rotterdam.

During the two weeks ended May 12, 1923, three cases of typhus fever were reported at Rotterdam, Netherlands.

## PANAMA CANAL.

## Communicable Diseases—April, 1923.

Communicable diseases were notified for the Panama Canal during the month of April, 1923, as follows:

Disease.	Canal Zone.	Colon.	Panama.	Non-resident.	Total.
Chicken pox.....	18	1	12	2	33
Diphtheria.....	1		3		4
Dysentery.....	1			2	3
Hookworm infection.....	9	6	12	29	56
Malaria.....	32	1	4	10	47
Measles.....	9	2		1	12
Meningitis.....		2	2		4
Mumps.....			1		1
Pneumonia.....	3	1	8		12
Tuberculosis.....	3	4	9		16
Whooping cough.....	5				5

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

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

**Reports Received During Week Ended June 8, 1923.<sup>1</sup>****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
India:				Mar. 18-Apr. 7, 1923: Cases, 8,382; deaths, 5,392. Epidemic.
Bombay.....	Mar. 25-31.....	2	2	
Calcutta.....	Apr. 22-28.....	25	20	
Rangoon.....	Mar. 25-31.....	2	2	
Siam:				
Bangkok.....	Mar. 18-Apr. 14....	5	2	

**PLAGUE.**

Ceylon:				
Colombo.....	Apr. 8-14.....	4	3	Plague rodents, 3.
India:				Mar. 18-31, 1923: Cases, 16,983; deaths, 13,762.
Bombay.....	Mar. 25-Apr. 7....	148	101	
Calcutta.....	Apr. 22-28.....	9	10	
Karachi.....	Apr. 15-21.....	22	19	
Madras Presidency.....	do.....	255	179	
Rangoon.....	Mar. 25-31.....	49	43	
Iraq (Mesopotamia):				
Bagdad.....	Mar. 1-31.....	10		
Java.....				Mar. 1-31, 1923: Cases, 685; deaths, 685.
Senegal:				
Dakar.....	Apr. 1-30.....	1	1	
Siam:				
Bangkok.....	Mar. 11-Apr. 14....	34	30	
Straits Settlements:				
Singapore.....	Apr. 8-14.....	3	2	

**SMALLPOX.**

Brazil:				
Pernambuco.....	Apr. 15-21.....	2		
Canada:				
Manitoba—				
Winnipeg.....	May 6-12.....	2		
Ceylon:				
Colombo.....	Apr. 8-14.....	2		
Chile:				
Concepcion.....	Apr. 1-30.....		4	
China:				Present.
Chungking.....	Mar. 25-31.....			
Manchuria—				
Dairen.....	Apr. 9-22.....	3		
Egypt:				
Alexandria.....	Apr. 30-May 5....	1		
Great Britain:				
Liverpool.....	May 6-12.....	2		On vessels.
India:				Mar. 11-Apr. 7, 1923: Cases, 8,707; deaths, 2,013.
Bombay.....	Mar. 25-Apr. 7....	133	52	
Calcutta.....	Apr. 22-28.....	3	2	
Karachi.....	Apr. 15-21.....	3	2	
Madras.....	do.....	17	9	
Rangoon.....	Mar. 25-31.....	83	38	
Italy:				
Turin.....	Apr. 23-29.....	2		
Iraq (Mesopotamia):				
Bagdad.....	Mar. 1-31.....	6		
Japan:				
Kobe.....	Apr. 23-May 4....	1		
Java:				
West Java—				
Batavia.....	Apr. 7-13.....	49	4	
Latvia.....				Mar. 1-31, 1923: Cases, 5.

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

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

### Reports Received During Week Ended June 8, 1923—Continued.

#### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Mexico:</b>				
Chihuahua.....	May 14-20.....	3	1	
Guadalajara.....	Apr. 1-30.....	55	24	
Mexico City.....	May 22-28.....	28	1	Including municipalities in Federal district.
San Luis Potosi.....	May 13-19.....	1	1	
<b>Portugal:</b>				
Lisbon.....	Apr. 23-May 5.....	6	3	
Oporto.....	Apr. 29-May 12.....	7	1	
<b>Spain:</b>				
Valencia.....	do.....	17		
<b>Switzerland:</b>				
Berne.....	Apr. 22-28.....	1		
Zurich.....	Apr. 29-May 5.....	3		
<b>On vessels:</b>				
S. S. Craftsman.....	May 6-12.....	1		At Liverpool from Antwerp. Left, May 19, for Glasgow; left, May 25, for San Francisco. At Liverpool. Coastwise.
S. S. Hedsley.....	do.....	1		

#### TYPHUS FEVER.

<b>Algeria:</b>				
Algiers.....	Apr. 1-30.....	35	15	
<b>Chile:</b>				
Concepcion.....	Apr. 10-23.....		4	Total for the month of April, 1923, 4 deaths.
<b>China:</b>				
Antung.....	Apr. 16-22.....	2		
<b>Egypt:</b>				
Alexandria.....	Apr. 29-May 5.....	4	2	
<b>Iraq (Mesopotamia):</b>				
Bagdad.....	Mar. 1-31.....	1		Mar. 1-31, 1923: Cases, 56; recurrent cases, 1.
<b>Latvia:</b>				
<b>Mexico:</b>				
Guadalajara.....	Apr. 1-30.....	1	1	
Mexico City.....	Apr. 22-28.....	9		
<b>Netherlands:</b>				
Rotterdam.....	May 6-12.....	1		
<b>Palestine:</b>				
Jaffa.....	Apr. 24-30.....	2		
Samaria.....	do.....	1		
<b>Portugal:</b>				
Oporto.....	Apr. 29-May 12.....	10	2	
<b>Syria:</b>				
Aleppo.....	Apr. 22-May 5.....	12	2	
<b>Tunis:</b>				
Tunis.....	May 7-13.....	1		
<b>Union of South Africa:</b>				
Transvaal— Johannesburg.....	Mar. 25-31.....	10	5	

### Reports Received from December 30, 1922, to June 1, 1923.<sup>1</sup>

#### CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>China:</b>				
Liutaoku.....	Sept. 22.....	60	20	
<b>Chosen (Korea):</b>				
Yalu River Region.....				
<b>India:</b>				
Bombay.....	Oct. 27-Dec. 23.....	2	1	Sept. 22, 1922: 30 deaths reported. Sept. 24-Dec. 30, 1922: Cases, 14,637; deaths, 8,833. Dec. 31, 1922-Mar. 17, 1923: Cases, 10,019; deaths, 6,424.
Do.....	Feb. 4-Mar. 17.....	3	3	
Calcutta.....	Nov. 12-Dec. 30.....	102	60	
Do.....	Dec. 31-Apr. 14.....	370	260	

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

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**CHOLERA—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>India—Continued.</b>				
Madras.....	Nov. 19-Dec. 16...	4	2	
Do.....	Jan. 21-Apr. 7.....	13	6	
Rangoon.....	Nov. 12-Dec. 23....	17	10	
Do.....	Dec. 31-Apr. 7.....	14	8	
<b>Philippine Islands:</b>				
Province—				
Laguna.....	Oct. 12-18.....	1		
Zamboanga.....	Feb. 11-17.....	1	1	
<b>Russia</b>				
Archangel (Government)...	Oct. 1-7.....	7		Jan. 1-Oct. 7, 1922: Cases, 83,367.
Moscow.....	Jan. 1-31.....	1		
Tashkent.....	Oct. 1-7.....	27		Turkestan Republic: 3 cases reported on waterways.
<b>Ukraine.</b>				
Donetz (Government)...	Sept. 1-30.....	29		Sept. 1-30, 1922: Cases, 119.
Tchernigov (Government).	.....do.....	36		
<b>Siam:</b>				
Bangkok.....	Oct. 29-Dec. 23....	4	1	
Do.....	Dec. 31-Feb. 24....	5	1	

**PLAGUE.**

<b>Argentina:</b>				
Rosario.....	Feb. 10-27.....	8	3	
<b>Azores:</b>				
Fayal Island—				
Castelo Branco.....	Dec. 2-31.....		3	Vicinity of Horta. Dec. 30, 1922: Several cases.
Do.....	Mar. 12-18.....	2		Actual occurrence about Mar. 6, 1923.
Horta.....	Mar. 23.....	1		
Pico Island—				
Lages.....	Nov. 27-Dec. 15....		8	
<b>St. Michael Island</b>				
Ponta Delgada.....	Nov. 26-Dec. 9....	3		Nov. 12-Dec. 30, 1922: Cases, 100; deaths, 35. At localities 3-9 miles from Ponta Delgada. Dec. 31, 1922-Feb. 24, 1923: Cases, 126; deaths, 52. From 6 to 20 miles distant from port of Ponta Delgada.
<b>Brazil:</b>				
Bahia.....	Oct. 29-Dec. 30....	5	5	
Do.....	Jan. 28-Feb. 3.....	1	1	
Pernambuco.....	Jan. 14-20.....	3	2	
Porto Alegre.....	Nov. 19-25.....	1		
<b>British East Africa:</b>				
Kenya Colony—				
Tanganyika Territory...	Oct. 15-Dec. 16....	12	7	
Do.....	Jan. 14-Feb. 10....	11	10	
Uganda.....				Dec. 1-31, 1922: Cases, 141; deaths, 129. Jan. 1-31, 1923: Cases, 73; deaths, 73.
Entebbe.....	Nov. 24-30.....	211	202	Jan. 15-Mar. 17, 1923: Cases, 8; deaths, 7. Apr. 13, 1923: Present. Rodent plague present, Feb.-Mar., 1923.
<b>Canary Islands</b>				
<b>Celebes:</b>				
Macassar.....	Feb. 15.....			Present, bubonic; epidemic, pneumonic.
<b>Ceylon:</b>				
Colombo.....	Nov. 12-Dec. 30....	46	38	Plague rodents, 16.
Do.....	Dec. 31-Apr. 7.....	81	69	Plague rodents, 28.
<b>Chile:</b>				
Antofagasta.....				Quarantine. Year, 1922: March, 1 case; May, 1 case.
<b>China:</b>				
Hongkong.....	Nov. 5-Dec. 23....	14	12	
Do.....	Dec. 31-Mar. 3.....	3	2	
<b>Manchuria—</b>				
Harbin.....	Jan. 29-Feb. 4.....	7		



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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil .....	Nov. 1-Dec. 31....	9	3	Rats examined, 21,000; found infected, 90.
Do .....	Jan. 1-Apr. 15....	25	11	Rats examined, 26,900; found infected, 134.
Sabanilla .....	Mar. 1-15 .....	1		Country estate.
Egypt:				
City—				Jan. 1-Dec. 28, 1922: Cases, 485; deaths, 228. Jan. 1, 1922-Jan. 4, 1923: Cases, 487; deaths, 228.
Alexandria .....	Nov. 19-25 .....	2		Jan. 1-Mar. 29, 1923: Cases, 134; deaths, 69. Mar. 19-25, 1922: Cases, 50—Assiout, 29; Fayoum, 4; Girgeh, 17.
Do .....	Jan. 8-10 .....	1	1	
Port Said .....	Nov. 19-27 .....	4	2	
Do .....	Jan. 26-Mar. 5 .....	2	1	
Suez .....	Nov. 18-Dec. 5 .....	3	4	
Do .....	Mar. 2 .....	1	1	
Province—				
Assiout .....	Nov. 19-Dec. 29....	4	1	Septicemic: 1 case, 1 death.
Do .....	Jan. 26-Mar. 29....	56	28	Pneumonic, 8 cases, 4 deaths; bubonic, 36 cases; septicemic, 5 cases, 1 death.
Dakahlieh .....	Dec. 3 .....	1	1	Pneumonic.
Fayoum .....	Mar. 25-28 .....	3	1	Bubonic.
Girgeh .....	Mar. 24-27 .....	6	4	Bubonic, 4; septicemic, 2.
Kena .....	Mar. 8 .....	1	1	Pneumonic: 1 death.
Minieh .....	Nov. 18-27 .....	2	1	
Do .....	Feb. 24 .....		1	
Hawaii:				
Honokaa .....				Feb. 8-9, 1923: Plague rats, 3.
Do .....				Mar. 24-25, 1923: Plague rats, 2. In vicinity Pacific Sugar Co., near Honokaa.
Pohakea .....				Apr. 15, 1923: Plague rat.
India:				
Bombay .....	Oct. 27-Dec. 30 .....	41	32	Oct. 1-Dec. 30, 1922: Cases, 25,007; deaths, 18,803. (Report for Nov. 19-25, 1922, not received.) Dec. 31, 1922-Mar. 17, 1923: Cases, 71,577; deaths, 63,832.
Do .....	Dec. 31-Mar. 24 .....	428	355	
Calcutta .....	Feb. 11-Apr. 14 .....	30	29	
Karachi .....	Dec. 10-16 .....	1	1	
Do .....	Dec. 31-Apr. 14 .....	122	95	
Madras Presidency .....	Nov. 19-Dec. 30 .....	2,269	1,448	
Do .....	Dec. 31-Apr. 14 .....	5,514	4,983	
Madras .....	Nov. 19-25 .....	1	1	
Do .....	Jan. 21-27 .....	1	1	
Rangoon .....	Nov. 12-Dec. 30 .....	52	49	
Do .....	Dec. 31-Apr. 7 .....	379	348	
Iraq (Mesopotamia):				
Bagdad .....	Oct. 1-Nov. 30 .....	16		
Do .....	Jan. 1-Feb. 28 .....	11		
Sumaichah .....	Mar. 14 .....		30	Among Beni - Tenim tribes in vicinity. Locality about 30 miles from Bagdad.
Japan:				
Osaka .....				July 1, Nov. 30, 1922: Cases, 70.
Java .....				Oct. 1-Nov. 3, 1922: Cases, 900; deaths, 763. Jan. 1-Feb. 28, 1923: Cases, 1,308; deaths, 1,367. Dec. 1-31, 1922: Deaths, 990.
East Java .....				
Residences—				
Pekalongan .....	Dec. 1-31 .....	56		
Samarang .....	do .....	202		
Soerabaya .....	Oct. 22-Dec. 31 .....	34	14	
Do .....	Jan. 14-20 .....	2	2	Jan. 17-23, 1923: Cases, 5; deaths, 3.
Toclong-Agoeng .....	Oct. 29-Dec. 16 .....	18	18	Not a seaport.
Soerakarta—				
Klaten .....	Nov. 4 .....			Present in epidemic form.
Madagascar:				
Provinces—				
Antisirabe .....	Jan. 16-Feb. 15 .....	2	2	Bubonic and septicemic.
Diego Suarez .....	Jan. 1-Mar. 31 .....	6	4	Do.

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Madagascar—Continued. Provinces—Continued. Moramanga.....				To Nov. 12, 1922: Cases, 24; deaths, 21. Cases reported to Oct. 30, pneumonic. Bubonic, 18; septicemic, 3 (doubtful, 2).
Amparafara region.....	Sept. 18—Nov. 5.....	21		Bubonic.
Moramanga.....	Dec. 6—9.....	3		Do.
Tamatave.....	Feb. 10—Sept. 12.....	10		Septicemic.
Do.....	Mar. 1—15.....	1	1	Dec. 14, 1922—Jan. 1, 1923: 1 case (European).
Miarinarivo.....				Jan. 1—Dec. 10, 1922: Cases, 73 (bubonic, 37; pneumonic, 8; septicemic, 28). Jan. 1—Mar. 31, 1923: Cases, 152; deaths, 113. Bubonic, pneumonic, septicemic.
Tananarive.....				Bubonic, 3; pneumonic, 3; septicemic, 3.
Ambohimangakeley.....	Nov. 19—Dec. 9.....	9		Bubonic, 4; pneumonic, 2; septicemic, 5 (3 doubtful).
Anketrina.....	Mar. 27—May 9.....	11		Bubonic, 3; pneumonic, 8; septicemic, 5.
Fenoarivo region.....	Oct. 7—Nov. 28.....	16		1 septicemic.
Tananarive.....	Oct. 23—Dec. 10.....		5	Bubonic and septicemic.
Do.....	Dec. 14—Mar. 31.....	26	10	Year 1922: Cases, 98; deaths, 73. January, 1923: Cases, 18.
Mauritius.....				
Mexico: Tampico.....	Mar. 23.....	2	1	Plague rodent found, Mar. 14, 1923.
Palestine: Jaffa.....	Nov. 27—Dec. 4.....	1		
Peru.....				Nov. 1—Dec. 31, 1922: Cases, 199; deaths, 93.
Do.....				Jan. 1—Apr. 15, 1923: Cases, 418; deaths, 194.
Localities—				
Barranco.....	Feb. 1—15.....	1		
Callao.....	Mar. 1—31.....	1		
Canete.....	Nov. 16—Dec. 31.....	56	19	Including vicinity.
Do.....	Jan. 1—Apr. 15.....	37	18	Do.
Casma.....	Jan. 1—31.....	1		At Campina.
Catacaos.....	Jan. 1—Mar. 31.....	10	3	
Cerro Azul.....	Apr. 1—15.....	1		
Chopen.....	Dec. 16—31.....	2	1	Present, Nov. 9—15, 1922.
Do.....	Jan. 1—Mar. 31.....	2		
Chiclayo (city and country). Do.....	Nov. 16—Dec. 15.....	17	7	
Cutervo.....	Jan. 1—Apr. 15.....	37	19	
Eten.....	Feb. 16—Apr. 15.....	67	49	
Eten.....	Nov. 16—Dec. 15.....	4		
Guadeloupe.....	Nov. 1—Dec. 31.....	22	12	
Do.....	Jan. 1—31.....	4	1	
Huecho.....	Nov. 16—Dec. 31.....	4	2	
Do.....	Jan. 1—Apr. 15.....	29	6	
Huancabamba.....	Apr. 1—15.....	1		
Huará.....	Jan. 1—Feb. 15.....	8		Country.
Huaral.....	Nov. 16—30.....	1		
Do.....	Jan. 1—Feb. 28.....	4	2	
Huarmey.....	Dec. 1—31.....	2	2	
Do.....	Feb. 1—Apr. 15.....	10		
Jayanca.....	Nov. 16—Dec. 31.....	10	8	
Lambayeque.....	do.....	7	3	
Do.....	Jan. 1—Feb. 15.....	10	7	
Lima (city).....	Nov. 1—Dec. 31.....	11	8	
Do.....	Jan. 1—Apr. 15.....	11	4	
Lima (country).....	Nov. 1—Dec. 31.....	14	5	
Do.....	Jan. 1—Apr. 15.....	12	4	
Lurin.....	Dec. 1—15.....	1		
Magdalena del Mar.....	Nov. 16—30.....	1		
Do.....	Jan. 1—31.....	1	1	
Magdalena Vieja.....	Dec. 16—31.....	1	1	
Mala.....	Dec. 1—31.....	2		
Do.....	Jan. 1—31.....	4		
Miraflores.....	Jan. 1—Feb. 15.....	5	2	

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**PLAGUE—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Localities—Continued.				
Mochumi.....	Dec. 16-31.....	3	3	
Do.....	Feb. 1-Mar. 31.....	6	2	
Mollendo.....	Mar. 1-31.....	1	1	
Monsefu.....	Feb. 1-15.....	5	3	
Mosche.....	Nov. 16-30.....	2	1	
Paíta.....	Dec. 16-31.....	3	2	
Do.....	Jan. 1-Mar. 31.....	17	12	
Piura.....	Nov. 16-Dec. 31.....	12	7	
Do.....	Jan. 1-Mar. 31.....	23	10	
Pueblo Nuevo.....	Dec. 1-31.....	7	4	
Do.....	Jan. 1-31.....	10	6	
Salaverry.....	Apr. 1-15.....	2	1	
San Pedro.....	Nov. 1-Dec. 31.....	8	4	
Do.....	Jan. 1-Feb. 28.....	7	4	
Santa Cruz (Hualga- yoc).....	Feb. 16-23.....	9	9	
Sullana.....	Nov. 16-30.....	3	3	
Do.....	Jan. 1-31.....	1	1	
Trujillo.....	Nov. 1-Dec. 31.....	3	1	
Do.....	Jan. 1-Mar. 31.....	66	17	District.
Tuman.....	Nov. 16-30.....	3	1	
Viru.....	Apr. 1-15.....	1	1	
Portugal:				
Lisbon.....	Nov. 10-29.....	4	2	
Oporto.....	Jan. 21-27.....	1	1	
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 1-Dec. 30.....	1	45	Fatal cases among white popula- tion.
Do.....	Dec. 31-Feb. 3.....	2	2	
Russia:				
Kirghiz Republic.....				
Dec. 2, 1922—Feb. 16, 1923: Cases, 116 (pneumonic), occurring in 2 out of 6 governments.				
Siam:				
Bangkok.....	Nov. 12-Dec. 23.....	5	5	
Do.....	Dec. 31-Mar. 10.....	76	62	
Spain:				
Barcelona.....	Nov. 15-Dec. 18.....	1	1	Sept. 24—Nov. 14, 1922: Cases, 23; deaths, 9.
Malaga.....	Feb. 27.....	3	3	17 suspected cases.
Straits Settlements:				
Singapore.....	Dec. 17-23.....	2	2	
Do.....	Jan. 21—Apr. 7.....	12	11	
Syria:				
Beirut.....	Nov. 6-30.....	4	3	
Tunis:				
Ben-Gardane.....	Apr. 21.....	21	21	
Turkey:				
Constantinople.....	Nov. 22-28.....	2	2	
Do.....	Jan. 28—Feb. 10.....	2	2	
Union of South Africa:				
Transvaal—				
Klipfontein Farm.....	Dec. 16.....	2	1	Natives. Jan. 25, 1923: Plague- infected wild rodent found in vicinity.
West Africa:				
Senegal—				
Dakar.....	Feb. 1-28.....	2	2	
On vessels:				
S. S. Helcion.....	Dec. 1.....	1	1	At Thursday Island Quarantine, Australia, from Singapore, Straits Settlements. In Chi- nese firemen.
S. S. —.....	Dec. 30.....	1	1	At port of London: Plague- infected rats and cats found in grain cargo on vessel from South America.

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**SMALLPOX.**

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Dec. 1-10.....	1		
Do.....	Jan. 1-Mar. 31.....	4		
Arabia:				
Aden.....	Nov. 19-Dec. 23.....	7	3	
Do.....	Jan. 7-Mar. 31.....	23	2	
Barbados (West Indies).....	Apr. 26.....			Present. (Reported as alastrim.)
Bolivia:				
La Paz.....	Jan. 1-Mar. 31.....	17	15	
Brazil:				
Bahia.....	Nov. 5-11.....	1		
Do.....	Mar. 4-31.....	2	1	
Para.....	Feb. 12-Mar. 25.....	14		
Pernambuco.....	Jan. 21-Apr. 14.....	17	2	
Rio de Janeiro.....	Nov. 25-Dec. 30.....	40	15	
Do.....	Dec. 31-Apr. 14.....	56	25	
Sao Paulo.....	Oct. 16-22.....	1	1	
Do.....	Jan. 8-Feb. 18.....	5	1	
British East Africa:				
Kenya Colony—				
Mombasa.....	Mar. 25-31.....	1		
Tanganyika Territory.....	Oct. 8-Dec. 23.....	193	10	
Do.....	Jan. 7-Mar. 17.....	56	2	
Uganda.....	Sept. 1-Dec. 31.....	3	1	Jan. 1-31, 1923: Cases, 3; deaths, 1.
Entebbe.....	Nov. 24-30.....	3	3	
Canada:				
Alberta—				
Calgary.....	Mar. 4-10.....	1		
British Columbia—				
Fernie.....	Mar. 18-24.....	1		
Manitoba—				
Winnipeg.....	Dec. 10-30.....	14		
Do.....	Jan. 21-Apr. 21.....	66		
New Brunswick—				
Northumberland County.....	Jan. 21-Feb. 17.....	8		
Restigouche County.....	Mar. 11-17.....	1	1	
Ontario.....				Dec. 1-31, 1922: Cases, 51; deaths, 1.
Hamilton.....	Dec. 31-Feb. 24.....	7		1. Jan. 1-Apr. 30, 1923: Cases, 121.
Niagara Falls.....	Dec. 3-30.....	10		
Do.....	Dec. 31-May 5.....	17		
Ottawa.....	Dec. 10-23.....	6		
Do.....	Jan. 7-Mar. 31.....	21	1	
Toronto.....	Dec. 10-30.....	2		
Do.....	Feb. 4-10.....	1		
Quebec—				
Quebec.....	Jan. 14-20.....	3		
Sherbrooke.....	Mar. 1-31.....		2	
Saskatchewan—				
Regina.....	Dec. 3-23.....	2		
Ceylon:				
Colombo.....	Nov. 12-Dec. 24.....	9	4	1 case, 1 death outside city.
Do.....	Feb. 18-Mar. 10.....	3		
Chile:				
Antofagasta.....	Apr. 1-7.....	1		
Concepcion.....	Oct. 30-Dec. 25.....		7	
Do.....	Feb. 1-Apr. 9.....	3	1	Mar. 1-31, 1923: Deaths, 5.
Valparaiso.....	Oct. 2-Dec. 30.....		153	In hospital Dec. 26, 1922, 83 cases.
Do.....	Jan. 9-Feb. 10.....		90	Dec. 31, 1922-Jan. 27, 1923: Deaths, 66. Feb. 16, 1923: 80 cases present (estimated). Jan. 29-Mar. 18, 1923: Deaths, 106.
China:				
Amoy.....	Nov. 5-Dec. 23.....		3	Nov. 26-Dec. 30, 1922: Present.
Do.....	Jan. 7-Apr. 14.....		13	
Antung.....	Nov. 13-Dec. 10.....	2		
Do.....	Feb. 26-Mar. 4.....	1		
Canton.....	Oct. 1-Nov. 30.....			Prevalent.
Do.....	Jan. 21-Feb. 17.....			Present.
Changsha.....	Feb. 11-17.....	1		
Chungking.....	Nov. 5-Dec. 30.....			Do.
Do.....	Dec. 31-Apr. 14.....			Do.
Foochow.....	Nov. 12-Dec. 30.....			Do.
Do.....	Dec. 31-Apr. 7.....			Do.
Hankow.....	Dec. 31-Jan. 20.....	4	1	
Hongkong.....	Nov. 5-11.....		1	
Do.....	Dec. 31-Mar. 31.....	38	28	

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

Reports Received from December 30, 1922, to June 1, 1923—Continued.

### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Manchuria—				
Dairen.....	Apr. 2-8.....	1		
Harbin.....	Nov. 20-Dec. 31.....	13		
Do.....	Jan. 8-Apr. 8.....	9		
Mukden.....	Nov. 19-Dec. 16.....			Present.
Do.....	Jan. 7-Feb. 3.....			Do.
Nanking.....	Nov. 5-Dec. 23.....			Do.
Do.....	Jan. 7-Apr. 14.....			Do.
Shanghai.....	Jan. 15-29.....	8	10	Cases, foreign; deaths, Chinese.
Tientsin.....	Feb. 18-Apr. 7.....	2		Reported from foreign office.
Chosen (Korea):				
Chemulpo.....	Oct. 1-Dec. 31.....	135	92	
Do.....	Jan. 1-Mar. 31.....	40	21	
Fusan.....	Nov. 1-Dec. 31.....	4		
Do.....	Jan. 1-Mar. 31.....	15	2	
Gensan.....	Dec. 1-31.....	6	2	
Do.....	Mar. 1-31.....	2	1	
Seoul.....	Oct. 1-Dec. 31.....	19	1	
Do.....	Jan. 1-Mar. 31.....	91	34	
Colombia:				
Buenaventura.....	Jan. 25-Feb. 20.....	48		Estimated, 50 cases present; type mild; among colored population. Feb. 16-26, 1923: 6 to 9 cases 2 miles from town limits. Mild outbreak.
Cuba:				
Province—				
Camaguey.....	Nov. 11-Dec. 31.....	20		
Matanzas.....	Jan. 1-31.....	2		
Oriente.....	Nov. 21-Dec. 31.....	22		
Do.....	Jan. 1-Feb. 10.....	10		
Santa Clara.....	Dec. 21-31.....	1		
Czechoslovakia.				
Province—				
Bohemia.....	Oct. 1-31.....	1		Oct. 1-31, 1922: Cases, 3. Jan. 1-31, 1923: Cases, 3.
Moravia.....	do.....	1		
Slovakia.....	Oct. 1-Nov. 30.....	2		
Dominica (West Indies).				
Feb. 26-May 7, 1923: Present with several thousand cases (estimated) reported Feb. 26. Reported as alastrim.				
Dominican Republic:				
Puerto Plata.....	Dec. 14-30.....	2		
Santo Domingo.....	Dec. 3-16.....			Present.
Do.....	Feb. 28-Mar. 6.....	3		
San Pedro de Macoris.....	Jan. 13-19.....	2		
Ecuador:				
Babahoyo.....	Apr. 1-15.....	1		
Guayaquil.....	Dec. 1-31.....	10		
Do.....	Jan. 1-Feb. 28.....	11		
Egypt:				
Alexandria.....	Feb. 19-25.....	1		
Port Said.....	Jan. 21-27.....	1		
Cairo.....	Jan. 29-Feb. 18.....	3		
Esthonia.....				
Oct. 1-Dec. 31, 1922: Cases, 61. Jan. 1-Mar. 31, 1923: Cases, 34.				
France:				
Paris.....	Dec. 1-10.....	1		
Do.....	Mar. 4-10.....	1		
Germany:				
Bremen.....	Dec. 3-9.....	1		
Great Britain:				
Liverpool.....	Dec. 11-17.....	1		From vessel.
Do.....	Apr. 22-28.....	2		From S. S. Oak Branch, from South American ports.
London.....	Nov. 26-Dec. 23.....	3		
Nottingham.....	Nov. 19-Dec. 13.....	4		
Do.....	Jan. 7-Apr. 14.....	17		
Greece:				
Kalamata.....	Jan. 13-Feb. 13.....		1	
Patras.....	Jan. 21-Mar. 31.....		93	
Saloniki.....	Nov. 6-Dec. 31.....	6	5	
Do.....	Jan. 15-Apr. 1.....	12	5	
Zante.....				Epidemic, Jan. 17, 1923.
Do.....	Jan. 7-14.....	13	4	

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Guadeloupe (West Indies).....				Feb. 26, 1923: Present. Reported as alastrim.
Guatemala:				
Guatemala City.....	Feb. 23.....			Present.
Honduras.....				Apr. 17, 1923: Outbreak in interior.
India.....				Nov. 5-Dec. 30, 1922: Cases, 5,783; deaths, 333. Dec. 31, 1922-Mar. 10, 1923: Cases, 20,334; deaths, 4,935.
Bombay.....	Nov. 5-Dec. 30.....	22	10	
Do.....	Dec. 31-Mar. 24.....	264	124	
Calcutta.....	Nov. 12-Dec. 30.....	46	23	
Do.....	Dec. 31-Apr. 14.....	189	97	
Karachi.....	Nov. 26-Dec. 30.....	6		
Do.....	Dec. 31-Apr. 14.....	73	31	
Madras.....	Nov. 12-Dec. 30.....	71	23	
Do.....	Dec. 31-Apr. 14.....	325	104	
Rangoon.....	Nov. 5-Dec. 30.....	27	6	
Do.....	Jan. 7-Apr. 7.....	314	128	
Iraq (Mesopotamia):				
Bagdad.....	Oct. 1-Nov. 30.....	568	361	
Do.....	Jan. 1-Feb. 28.....	32	50	
Italy:				
Catania.....	Apr. 16-22.....	1		
Turin.....	Jan. 29-Mar. 18.....	21		
Genoa.....	Apr. 1-10.....	1		From vessel.
Jamaica.....				Dec. 31, 1922-Apr. 28, 1923: Cases, 746. Previously reported as alastrim.
Kingston.....	Mar. 11-Apr. 28.....	10		
Japan:				
Kobe.....	Jan. 13-Apr. 3.....	7	2	
Taiwan Island.....	Mar. 4-10.....	1	1	
Yokohama.....	Jan. 22-Mar. 25.....	2		
Java:				
East Java—				
Soerabaya.....	Nov. 5-11.....	4		
Do.....	Feb. 4-Mar. 24.....	8	1	
West Java—				
Batavia.....	Nov. 11-Dec. 22.....	25	1	City and Province.
Do.....	Jan. 27-Mar. 30.....	18	2	Province.
Latvia.....				Oct. 1-Dec. 31, 1922: Cases, 7.
Martinique.....				Mar. 25-Apr. 21, 1923: Present. Reported as alastrim.
Fort de France.....	Mar. 25-Apr. 21.....			Present.
Mexico:				
Chihuahua.....	Dec. 4-17.....		4	
Do.....	Jan. 1-May 13.....	74	29	
Guadalajara.....	Dec. 1-31.....	4		
Do.....	Jan. 1-Mar. 31.....	74	23	
Mexico City.....	Nov. 12-Dec. 23.....	43		Including municipalities in Federal District.
Do.....	Dec. 31-Apr. 21.....	334		Do.
Nogales.....	Dec. 10-19.....		1	
Do.....	Dec. 31-Feb. 10.....		2	
Saltillo.....	Jan. 28-Feb. 3.....		1	
San Luis Potosi.....	Jan. 14-20.....		1	
Do.....	Apr. 29-May 5.....		1	
Sonora, State.....				Nov. 1-30, 1922: Present in northern section.
Empalme.....	Nov. 1-30.....	4	1	Present in some localities, Mar. 26, 1923.
Tabasco, State.....				
Torreon.....	Dec. 1-31.....		1	
Vera Cruz.....	Feb. 26-May 6.....	12	6	
Palestine.....				Jan. 23-Feb. 19, 1923: Cases, 8; northern district.
Persia:				
Tabriz.....	Dec. 18-31.....		2	
Do.....	Jan. 15-Feb. 28.....		5	
Teheran.....	Oct. 24-Dec. 22.....		139	
Do.....	Dec. 20-Jan. 20.....		56	
Peru.....				Feb. 1-28, 1923: Cases, 8; deaths, 1.
Callao.....	Nov. 1-15.....	2		
Lima (city).....	Dec. 1-15.....	3	1	
Do.....	Mar. 1-31.....	2	2	
Lima (country).....	Nov. 1-15.....	2	1	
Do.....	Feb. 10-23.....	2		City and country.

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Poland.....				Oct. 1-Dec. 23, 1922: Cases, 132; deaths, 26. Jan. 1-27, 1923: Cases, 109; deaths, 19.
Portugal:				
Lisbon.....	Nov. 19-Dec. 30...	143	34	
Do.....	Dec. 31-Apr. 14.....	177	85	Dec. 25-31, 1922: Deaths, 12;
Oporto.....	Oct. 15-Dec. 30.....	24	12	Mar. 28-May 5, 1923: Cases, 97;
Do.....	Dec. 31-Apr. 14.....	14	11	deaths, 26. Jan. 5-20, 1923: Cases, 22; deaths, 6.
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 27-Nov. 11.....		10	
Rumania:				
Bucharest.....	Feb. 1-10.....	1		
Chisinau.....	Jan. 1-Feb. 28.....	26		
Galatz.....	Feb. 1-10.....	2		
Russia:				
City—				
Moscow.....				Jan. 1-31, 1923: Cases treated in
Province—				hospital, 10.
Ukraine.....				Jan.-Sept., 1922: Cases, 8,744.
St. Lucia Island.....	Apr. 26.....			Present.
Siberia:				
Vladivostok.....	Mar. 1-31.....	1		Present in Nikolsk, Slassk, and
Sierra Leone:				Ussurisk Counties.
Freetown.....	Feb. 16-28.....	1		
Spain:				
Corunna.....	Nov. 26-Dec. 2.....		1	
Huelva.....	Nov. 24-Dec. 31.....		4	
Madrid.....	Dec. 1-31.....		1	
Do.....	Jan. 1-31.....		1	
Seville.....	Nov. 27-Dec. 31.....		32	
Do.....	Jan. 1-Mar. 11.....		16	
Valencia.....	Nov. 26-Dec. 23.....	3		
Do.....	Dec. 31-Apr. 28.....	63	3	
Switzerland:				
Basel.....	Feb. 23-Apr. 7.....	5		
Berne.....	Nov. 19-Dec. 30.....	85		
Do.....	Dec. 31-Apr. 21.....	185		
Lucerne.....	Jan. 1-Mar. 31.....	22		
Zurich.....	Nov. 19-Dec. 30.....	19		
Do.....	Jan. 14-Apr. 21.....	65		
Syria:				
Aleppo.....	Nov. 19-Dec. 23.....	38	20	
Do.....	Dec. 31-Apr. 14.....	30	6	
Beirut.....	Dec. 11-20.....	1		
Damascus.....	Nov. 1-Dec. 31.....	97	16	
Do.....	Jan. 1-Feb. 20.....	22		
Tunis:				
Tunis.....	Dec. 1-22.....	2	1	
Do.....	Jan. 22-Feb. 4.....	1	1	
Turkey:				
Constantinople.....	Nov. 19-Dec. 16.....	122	34	
Do.....	Dec. 31-Apr. 21.....	416	465	
Union of South Africa.				
Do.....				Oct. 1-Dec. 31, 1922: Cases—Col- ored, 64; deaths, 1; white, cases, 4.
Do.....				Jan. 1-Feb. 28, 1923: Cases, 34; colored, 30; white, 4; deaths, 3 (colored).
Cape Province.				Oct. 1-Dec. 31, 1922: Cases—Col- ored, 48; deaths, 1; white, 4 cases.
Do.....				Jan. 1-Feb. 28, 1923: Cases, 22 (colored, 18; white, 4). Deaths, colored, 2.
Do.....	Dec. 31-Mar. 17.....			Outbreaks.
East London.....	Jan. 7-13.....	2		
Natal:				
Do.....				Dec. 1-31, 1922: Cases, 6 (colored).
Do.....				Jan. 1-Feb. 28, 1923: Cases, 7; deaths, 1 (colored).
Do.....	Feb. 4-10.....			Outbreaks.

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

### Reports Received from December 30, 1922, to June 1, 1923—Continued.

#### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Contd.				
Orange Free State				Dec. 1-31, 1922: Cases, 2 (colored).
Do.				Jan. 1-31, 1923: Cases, 3 (colored).
Do.	Jan. 14-Feb. 3.			Outbreaks.
Southern Rhodesia	Nov. 9-15.	3		
Transvaal				Oct. 1-Dec. 31, 1922: Cases, 10.
Do.				Jan. 1-Feb. 28, 1923: Cases, 2 (colored).
Do.	Dec. 31-Mar. 31.			Outbreaks.
Johannesburg	Nov. 1-30.		1	
Do.	Jan. 1-31.	1		
Uruguay:				
Montevideo	do.	8		
Yugoslavia:				
Do.				Aug. 1-31, 1922: Cases, 30; deaths, 12.
Do.				Dec. 31, 1922-Mar. 24, 1923: Cases, 557; deaths, 100.
Bosnia-Herzegovina				Dec. 31, 1922-Mar. 24, 1923: Cases, 266; deaths, 35.
Croatia—				
Zagreb	Apr. 1-7.	1		
Serbia				Aug. 1-31, 1922: Cases, 26. Dec.
Belgrade	Nov. 12-Dec. 31.	10	4	31-Mar. 24, 1923: Cases, 70;
Do.	Mar. 18-24.	1	1	deaths, 21.
On vessels:				
S. S. Bahia	Mar. 4-10.	1		At Pernambuco, Brazil.
S. S. Huntress	Nov. 11.	1		At Fremantle, Australia; from Cape Town, South Africa.
S. S. Junin	Jan. 13.	1		At Antofagasta, Chile. Vessel proceeded to Arica, Chile, with patient on board.
S. S. —	Dec. 17-23.	1		At Liverpool.
S. S. Oak Branch	Apr. 22-28.	2		At Liverpool, from South American ports. (Iquique, Chile, Mar. 17; Balboa, Apr. 1, 1923.)
S. S. Tenyo Maru	Mar. 20.	1		At Shanghai, China, from Japan. In steerage passenger.

#### TYPHUS FEVER.

Algeria:				
Algiers	Nov. 11-Dec. 31.	2	1	
Do.	Jan. 1-Mar. 31.	41	10	
Oran	Jan. 11-20.	1	1	
Austria:				
Vienna	Jan. 7-17.	1		
Bolivia:				
La Paz	Jan. 1-Mar. 31.	31	24	
Brazil:				
Pernambuco	Dec. 3-9.	2	2	
Porto Alegre	Nov. 19-Dec. 16.	3		
Do.	Feb. 25-Mar. 3.		3	
Bulgaria:				
Sofia	Feb. 4-Apr. 14.	7		Paratyphus, 4 cases; 1 death.
Chile:				
Antofagasta	Nov. 12-Dec. 30.	24	5	Nov. 11-Dec. 5, 1922: Cases, 10;
Do.	Dec. 31-Apr. 7.	4	2	deaths, 2. Quarantine station:
Concepcion	Oct. 17-Dec. 18.		9	October, 1922—1 fatal case on
Do.	Dec. 26-Feb. 28.		12	vessel from Valparaiso; Novem-
Iquique	Jan. 14-Mar. 31.		3	ber, 1922—cases, 7; December,
Talcahuano	Nov. 12-Dec. 23.	10	6	1922—cases, 9; remaining, Dec.
Do.	Jan. 7-Mar. 17.	7	2	31, 3 cases.
Valparaiso	Dec. 3-30.		9	
Do.	Dec. 31-Mar. 18.		37	Daily hospital average, Feb. 16,
				1923, 25 cases.
China:				
Antung	Nov. 13-Dec. 10.	7		
Do.	Apr. 2-8.	1		
Manchuria—				
Harbin	Nov. 20-26.	7		
Do.	Jan. 1-Apr. 1.	8		
Cuba:				
Matanzas	Dec. 25-31.	1	1	



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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Czechoslovakia.....				Jan. 1-Feb. 28, 1923: Cases, 121; deaths, 5.
City—				
Prague.....	Nov. 19-25.....	1		
Province—				
Bohemia.....	Nov. 1-30.....	1		
Russinia.....	Oct. 1-Dec. 31.....	25		
Slovakia.....	Nov. 1-30.....	2		
Danzig (Free City).....	Jan. 7-Feb. 24.....	2		Including 1 from Poland.
Egypt:				
Alexandria.....	Nov. 19-Dec. 31.....	2	1	
Do.....	Jan. 22-Apr. 8.....	6	3	Imported, 1.
Cairo.....	Oct. 1-Dec. 31.....	19	9	
Do.....	Jan. 1-Feb. 11.....	10	5	
Port Said.....	Mar. 25-31.....	1		
Estonia.....				Oct. 1-Dec. 31, 1922: Cases, 6. Recurrent typhus: Cases, 10. Year 1922: Cases, 159; recurrent typhus, 91 cases.
Do.....				Jan. 1-Mar. 31, 1923: Cases, 16. Recurrent typhus Jan. 1-31, cases, 4.
Libau.....	Dec. 24-30.....	1		Year 1922: Cases, 140; recurrent typhus: Cases, 83.
Narva.....				Feb. 16-Mar. 15, 1923: Cases, 7; recurrent typhus, 1.
Finland.....				
France:				
Marseille.....	Mar. 1-31.....		1	
Germany:				
Berlin.....	Nov. 26-Dec. 2.....		1	
Coblenz.....	Dec. 10-16.....	1		
Do.....	Mar. 25-31.....	1		
Dresden.....	Dec. 10-16.....	1		
Königsberg.....	Mar. 24-Apr. 7.....	2		
Great Britain:				
Glasgow.....	Jan. 7-Feb. 17.....	4	1	
Greece:				
Athens.....	Mar. 1-20.....		4	Present.
Corfu Island.....	Feb. 8.....			Do.
Leucadia.....	Jan. 17.....			
Patras.....	Nov. 19-25.....		1	
Do.....	Jan. 1-Mar. 31.....	3	16	
Piræus.....				Jan. 13-Mar. 31, 1923: Deaths, 12. Present.
Prevesa.....	Jan. 17.....			Among refugees.
Saloniki.....	Dec. 18-24.....	3		Refugees. Recurrent typhus fever, Mar. 12-Apr. 1, 1923: Cases, 4; deaths, 1.
Do.....	Jan. 7-Apr. 1.....	95	6	Present.
Zante.....	Jan. 17.....			
Guatemala:				
Guatemala City.....	Jan. 1-31.....		1	
Hungary:				
Budapest.....	Jan. 14-Apr. 21.....	37	8	
Iraq (Mesopotamia):				
Bagdad.....	Feb. 1-23.....	1		
Ireland:				
Belmullet.....	June 15-Dec. 14.....	20		In County Mayo.
Italy:				
Trieste.....	Feb. 25-Mar. 3.....	1		
Latvia:				
Libau.....	Apr. 25-May 1.....	2		Oct. 1-Dec. 31, 1922: Cases, 74; recurrent typhus: Cases, 10. Feb. 1-28, 1923: Cases, 87; recurrent typhus, 1 case; paratyphus, 1 case.
Mexico:				
Guadalajara.....	Mar. 1-31.....	1		
Mexico City.....	Nov. 12-Dec. 30.....	90		Including municipalities in Federal District.
Do.....	Dec. 31-Apr. 21.....	180		Do.
San Luis Potosi.....	Jan. 28-Apr. 7.....		4	
Netherlands:				
Rotterdam.....	Apr. 29-May 5.....	2		

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Palestine.....				Dec. 5-25, 1922: Cases, 3; in northern section. Feb. 27-Mar. 5, 1923—1 case in northern section. Apr. 17-23, 1923: One case relapsing fever.
Jaffa.....	Dec. 12-18.....	2		
Do.....	Jan. 16-Apr. 9.....	6		
Jerusalem.....	Dec. 26-Jan. 1.....	1		
Paraguay:				
Asuncion.....	Jan. 1-27.....		1	
Persia:				
Tabriz.....	Dec. 18-31.....		3	
Do.....	Jan. 15-28.....		1	
Teheran.....	Sept. 24-Nov. 24.....		3	
Do.....	Feb. 14-20.....		4	
Poland.....				Oct. 1-Dec. 23, 1922: Cases, 1,916; deaths, 130. Recurrent typhus: Cases, 2,071; deaths, 56. Jan. 1-Feb. 24, 1923: Cases, 3,101; deaths, 253. Recurrent typhus: Cases, 897; deaths, 22.
Portugal:				
Lisbon.....	Mar. 26-Apr. 1.....		1	
Oporto.....	Oct. 15-Dec. 2.....	1	1	
Do.....	Mar. 11-17.....	3		
Rumania:				
Bucharest.....				To Jan. 31, 1923: Cases, 96; deaths, 13.
Do.....	Feb. 1-10.....	133		
Chisinau.....	Nov. 1-30.....	5		
Do.....	Jan. 1-Feb. 28.....	110		Recurrent typhus: Cases, 33.
Craiova.....	Feb. 1-10.....	1		
Russia.....				July 30-Sept. 23, 1922: Cases, 23,803.
Moscow.....	Jan. 1-31.....	290		Undetermined cases, 38.
Ukraine.....	Jan.-Sept.....	307,329		Provisional figures.
Ukraine, Tartar Republic, and Siberia.....	June 1-30.....	35,926		
Do.....	July 1-31.....	17,262		Do
Do.....	Aug. 1-31.....	6,864		Do
Do.....	Sept. 1-30.....	2,388		Do
Siberia:				
Vladivostok.....	Nov. 1-Dec. 31.....	5		Remittent, 1 case; indefinite, 6 cases.
Do.....	Jan. 1-Mar. 31.....	215		Remittent, 1 case; indefinite, 33 cases.
Spain:				
Barcelona.....	Nov. 30-Dec. 27.....		3	
Do.....	Jan. 11-Mar. 28.....		2	
Madrid.....	Dec. 1-31.....		1	
Do.....	Feb. 1-28.....		1	
Syria:				
Aleppo.....	Dec. 10-16.....	1	1	
Do.....	Jan. 7-Apr. 14.....	101	22	Generally among refugees.
Beirut.....	Oct. 1-22.....	1		
Do.....	Mar. 1-31.....	83		
Tunis:				
Tunis.....	Apr. 16-22.....		1	
Turkey:				
Constantinople.....	Nov. 27-Dec. 2.....	3		
Do.....	Dec. 31-Apr. 21.....	199	281	Mar. 31-Apr. 6, 1923: Many cases reported.
Union of South Africa.....				Oct. 1-Dec. 31, 1922: Colored—cases, 3,097; deaths, 298; white—cases, 11; deaths, 2.
Do.....				Jan. 1-Feb. 28, 1923: Total cases, 1,050; deaths, 93. (Colored—cases, 1,037; deaths, 92; white—cases, 13; 1 death.)
Cape Province.....				Oct. 1-Dec. 31, 1922: Colored—cases, 2,799; deaths, 250; white—cases, 6; deaths, 1.
Do.....				Jan. 1-Feb. 28, 1923: Colored—cases, 853; deaths, 72; white—7 cases, 1 death.
Do.....	Dec. 31-Mar. 31.....			Outbreaks.
Port Elizabeth.....	Jan. 28-Feb. 10.....	3		

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

**Reports Received from December 30, 1922, to June 1, 1923—Continued.**

**TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Union of South Africa—Contd.				
Natal.....				Oct. 1-Dec. 31, 1922: Colored—cases, 143; deaths, 32; white—cases, 2.
Do.....				Jan. 1-Feb. 28, 1923: Colored—cases, 38; deaths, 3; white—1 case.
Do.....	Feb. 4-Mar. 31.....			Outbreaks.
Orange Free State.....				Oct. 1-Dec. 31, 1922: Colored—cases, 91; deaths, 8; white—cases, 3; deaths, 1.
Do.....				Jan. 1-Feb. 28, 1923: Colored—cases, 93; deaths, 7; white—2 cases.
Do.....	Jan. 7-Mar. 31.....			Outbreaks.
Transvaal.....				Oct. 1-Dec. 31, 1922: Colored—cases, 64; deaths, 8.
Do.....				Jan. 1-Feb. 28, 1923: Colored—cases, 53; deaths, 11; white—cases, 2.
Do.....	Jan. 14-Mar. 17.....			Outbreaks.
Johannesburg.....	Nov. 1-30.....	3	6	
Do.....	Jan. 1-Feb. 28.....	28	3	
Venezuela:				
Maracaibo.....	Jan. 21-27.....		1	
Yugoslavia.....				Dec. 31, 1922-Mar. 24, 1923: Cases, 106; deaths, 20.
Bosnia-Herzegovina.....	Aug. 1-31.....	1		
Do.....	Dec. 31-Mar. 24.....	51		Recurrent fever, 1 case.
Croatia—				
Zagreb.....	Apr. 1-7.....	2		
Serbia.....				Aug. 1-31, 1922: Recurrent typhus fever: Cases, 4. Dec. 31-Mar. 24, 1923: Cases, 25.
Belgrade.....	Mar. 18-Apr. 7.....	2		

**YELLOW FEVER.**

Brazil:				
Bahia.....	Dec. 31-Apr. 14.....	82	25	
Colombia:				
Bucaramanga.....				Outbreak of epidemic reported Mar. 12, 1923; information showing diagnosis of yellow fever received under date of May 16, 1923.
Mexico:				
Ciudad Victoria.....	Dec. 17-23.....	1		
Tampico.....	Jan. 15.....	1		Reported on bills of health.
West Africa:				
Gold Coast—				
Saltpond.....				Reported present Dec. 21, 1922.
Nigeria—				
Warrai.....				Do.