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A STUDY OF THE RELATION OF FACTORS OF A SANITARY CHARACTER TO PELLAGRA INCIDENCE IN SEVEN COTTON-MILL VILLAGES OF SOUTH CAROLINA IN 1916.¹

By JOSEPH GOLDBERGER, Surgeon; G. A. WHEELER, Passed Assistant Surgeon; and Edgar Sydenstricker, Statistician; with sanitary ratings by R. E. Tarbett, Sanitary Engineer, United States Public Health Service.

Introduction.

In the spring of 1916 a study was begun of the relation of various factors to pellagra incidence in some representative textile-mill communities in South Carolina. On a varying scale the study was continued through 1917 and 1918. The results of the first year's (1916) study with respect to diet² have already been reported as have also the data relating to the general incidence³ of the disease in the population of the selected mill villages. In the present paper we wish to record the results of the part of this study dealing with the relation of sanitation to the incidence of the disease.

Locality and Population.

Locality.—The study was made in seven representative cotton-mill villages in the northwestern part of South Carolina. Four (At., In., Sn., and Wy.) are in Spartanburg County, two (Sa. and Ny.) in Oconee County and one (Rc.) in Chester County. All had previously been studied more or less intensively by the Thompson McFadden Commission.

Population.—The villages were of about average size; none had over 800 or less than 500 inhabitants. Each constituted a distinct, more or less isolated community in close proximity to a cotton-cloth manufacturing plant and was composed practically exclusively of the mill employees and their families.

But few Negroes are employed in or about a cotton mill; these with their families usually live in a quarter somewhat apart from that of the white families. Contact between the two races in the mill is very slight; it is more frequent at the stores, which are patronized in common, and in the houses of some of the white operatives in which colored women are at times employed as laundresses or

*Goldberger, Wheeler, and Sydenstricker, 1920 b.

¹ From Field Investigations of Pellagra. Manuscript submitted for publication March 3, 1920.

² Goldberger, Wheeler, and Sydenstricker, 1918; also 1920 a.

cooks, or to nurse the very young children while both parents are at work in the mill.

The families of only the white mill operatives were included in the study; those of the mill officials, store managers, and of Negro employees were not considered. There was, therefore, no significant difference in race or occupation (other than that of employment or nonemployment in the cotton mills) in the population studied. In evaluating the sanitary factors considered in determining the sanitary rating of a village, conditions in the Negro quarter were taken into account, but the pellagra rates represent the incidence in the white population as above defined.

The general data relating to population were secured by a census of the villages, made during May and June, 1916, in connection with the general study of which the present paper is a part.

Methods of Study.

Pellagra incidence.—The method of determining the incidence of the disease has been described at length in previous papers. Briefly, in order to ascertain the incidence of the disease as completely as possible, the expedient of a systematic biweekly house-to-house search for cases was employed and almost exclusively depended on. A few cases, relatively negligible in number, came to our attention through the courtesy of the local physicians. In no instance, however, was a case recorded by us as pellagra until seen and the diagnosis confirmed by one of us (G. A. W. or J. G.).

Criteria of pellagra.—Only cases with a clearly defined, bilaterally symmetrical dermatitis were recorded as pellagra, and the date of the appearance of the eruption was assumed to mark the onset of the attack. It is recognized that in this assumption a certain error is involved. The fact, however, that in a very large proportion of our cases a history of symptoms antedating the eruption could either not be obtained or was so vague that a definite date of onset could not be fixed, made such assumption practically unavoidable; therefore, for the sake of uniformity and in order to eliminate any possible bias, this rule was adopted and applied in all cases.

Initial and recurrent attacks.—In recording our cases, inquiry was always made as to any previous attack, and the statement of the patient or responsible member of the family was recorded. The accuracy of the information thus secured is, however, open to doubt in many instances. It is highly probable, if not quite certain, that some of our recorded first attacks were really recurrences, and also that some of the cases recorded as recurrent were really initial. As there is no reason to believe that the trend of the error would vary materially in different villages, a comparison of villages on the basis of rates for initial attacks would seem permissible.

¹ Goldberger, Wheeler, and Sydenstricker, 1920 a. 2 Goldberger, Wheeler, and Sydenstricker, 1920 b.

Comparison of Village Incidence of Pellagra.

In Table I is presented the gross rate for all definite cases, without distinction as to whether initial or recurrent, recorded in each of the villages studied during the year. Quite marked variations in rates are shown, the extremes being 1.3 and 67.6 per 1,000 of population. The household incidence rate of the respective villages, presented in Table III, likewise shows considerable variation, the extremes being 0.8 and 25.4 per cent.

Table I.—Incidence of all definite attacks of pellagra recorded in specified mill villages of South Carolina in 1916.

(Rate based on population a	ecortained by coneme	made in Mar	and Inne	1016 \
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Mill village.	Number of persons consid- ered.	Number of definite cases.	Cases per 1,000.
All villages	4,399 579	115	26. 2
At. In. Ny.	579 681 . 750	14 46	24.2 67.6 1.3
Re. Sn.	603	4 19 8	31.5 12.5
Sa	504 640	15 12	29.7 18.7

Includes one case the onset of whose attack occurred in 1915 and continued into 1916. Died, June, 1916.

For the purpose of comparing villages with respect to incidence it would appear that these gross rates might be subject to inaccuracies arising from two circumstances; namely, (1) the inclusion of imported cases and (2) the possible differences in the degree of shifting in the populations of the several villages during the period of observation, and therefore in the degree of their "exposure" so far as length of residence during the 1916 "pellagra season" is concerned.

It is manifestly desirable to exclude, as far as possible, those cases that might have originated in localities other than those in which they happened to be recorded. Thus it was found that several cases were unmistakably active before coming to the village in which they were first observed; and several others might properly be classed as imported, since they could reasonably be associated with conditions possibly existing at previous places of residence. On the assumption of an unknown etiology and unknown period of development or incubation, it was necessary, for our present purpose, to assume some period which might be used to differentiate between imported and local cases. Accordingly, it was decided to discard as possibly imported all cases the onset of whose 1916 attack occurred within less than 30 days after the individual came to the village to reside. The resulting village rates are shown in Table II. Comparing these rates with those in Table I, it is seen that while the individual

rates are slightly reduced, the relative standing of the villages is not affected. The corresponding comparison of household rates is presented in Table III, and shows much the same insignificant effect on the rates.

TABLE II.—Incidence of definite attacks of pellagra with onset after residence of not less than 30 days in specified mill villages of South Carolina in 1916.

- 1	Data based on .			3- '-	. Man and Toma 10101
1	rate based on	monnation	ascertained by	7 Gensiis made ii	n May and June, 1916.]

Mill village.	Number of per- sons con- sidered.	Number of definite cases.	Cases per 1,000.
All villages. At In Ny Rc. Sn. Sa. Wy	579 681 750 603 642	103 12 44 0 a 15 7 13	23. 4 20. 7 64. 6 0. 0 24. 9 10. 9 25. 8 18. 7

a Includes one case the onset of whose attack occurred in 1915 and continued into 1916. Died in June, 1916.

TABLE III.—Household incidence of pellagra in specified mill villages of South Carolina in 1916: Comparison of rates for all definite cases regardless of period of residence before onset with those for definite cases with onset after a residence of not less than 30 days.

[Households as enumerated in May and June, 1916.]

	Number	House	Households with definite cases of pellagra.				
Mill village.	of house- holds as of census in May- June, 1916.	All case	s regard- period of ice.	after r	ith onset esidence less than		
		Number.	Per cent.	Number.	Per cent.		
All villages	114 118 133 100 131 85	76 9 30 1 13 6 7	9. 5 7. 9 25. 4 0. 8 13. 0 4. 6 8. 2 9. 4	70 8 29 0 11 4 7	8.8 7.0 24.6 0.00 11.0 3.1 8.2 9.4		

In order to ascertain the comparability of the populations of the several villages with respect to exposure as affected by length of residence, records were kept of the moving in and out of families in each village subsequent to the May and June enumeration, and a census was taken of each family whose residence in the village began subsequent to this enumeration. On the basis of the data thus secured, Table IV was prepared. This presents statistics of the total population which resided in each village for periods of one month or longer between March 1 and October 31, 1916. The period from March 1 to October 31 was selected because practically all of the 1916 attacks of pellagra had their onsets between these-

dates, the large majority being between May 1 and August 1.¹ Examination of this table reveals evidence of different degrees of shifting in villages, which, while not very great, is yet sufficient to be kept in mind as a possible source of error. It suggests that small differences in rates based on the census population are not to be closely regarded.

TABLE IV.—Population resident during various periods between Mar. 1 and Oct. 31, 1916, in specified mill villages of South Carolina.

[Population as ascertained by census of white mill workers' households at various times between May 1 and Oct. 31, 1916.]

NUMBER RESIDING THE SPECIFIED NUMBER OF MONTHS OR LONGER.1

Mill village.	1 month.	months.	3 months.	months.	5 months.	6 months.	7 months.	8 months.
At	691 827 986 730 836 608 786	672 779 916 730 806 576 739	621 735 852 694 745 536	591 717 811 647 693 461 672	578 682 731 613 647 448 649	559 667 680 508 560 442 615	516 620 646 465 525 420 589	450 595 593 447 489 392 523
Total	5, 464	5, 218	4,884	4, 592	4,348	4,031	3, 781	3, 489

PER CENT RESIDING THE SPECIFIED NUMBER OF MONTHS OR LONGER.

AtIn	100 100 100	97 94 93 100	\$0 89 86 95	85 87 82 89	84 83 74 84	81 81 69 70	75 75 66 64	65 72 60 61
RC Sn Sa Wy	100 100	96 95 93	89 88 89	83 76 85		70 67 73 78	63 69 75	59 64 67
Total	100	96	89	83	80	74	69	64

¹ Persons in households residing in the village less than one month have been omitted.

In order to determine the effect on the rates of eliminating the possible error arising from different degrees of shifting among the populations of the different villages, we have computed a rate on the basis of the population resident throughout the period March 1-October 31, considering only those cases occurring in that population during this period. The resulting rates are shown in Table V. A a comparison of these rates with the gross, and what may be designated as the refined rate, based on the census populations, shown in Tables I and II, respectively, reveals on the whole remarkably little difference, a difference which in no way affects the relative standing of the villages, as very clearly appears by reference to Table VI. It would follow, therefore, that either of the rates based on the census population is satisfactory for comparative purposes. But it may be worth recalling that, for the reasons already mentioned, and also because of the fact that a single household with two or more cases of

¹ Since only one census was made of each household, a certain degree of inaccuracy in the statistics of population residing during any given period is probable. This arises from the fact that records were kept of the household units with respect to their moving; it was impracticable to record the coming and going of every individual member of the household units. The moving in and out of individuals separately from their households, however, was relatively slight in any village, and the error arising from this cause may be regarded as negligible. There was no reason to believe, moreover, that the shifting of individuals of a given sex or age was relatively greater in one village than in another.

pellagra may appreciably affect the rate of a village of the size of those under consideration, but little if any significance, as reflecting community conditions, can be attached to any but quite well-marked differences in rates. With these considerations in mind, our villages would seem to fall into three groups: (1) In., with an extremely high rate; (2) Ny. and Sn., with markedly low rates; and (3) Wy., At., Rc., and Sa. with moderate rates.

TABLE V.—Incidence of all definite cases of pellagra with onset between Mar. 1 and Oct. 31, 1916, in persons of households all or part of the members of which resided continuously in the specified mill villages of South Carolina between those dates.

[Only those cases considered having onset after a residence of not less than 30 days in specified village.]

	Mill village.	Number of persons consid- ered.	Number f definite cases.	Cases per 1,000.
All villages		450	100 10	28. 7 22. 2
			44 0 14	73. 9 0. 0 31. 3
Sa			7 13 12	14. 3 33. 2 22. 9

Table VI.—Comparison of relative pellagra incidence of specified cotton-mill villages of South Carolina in 1916, according to different methods of computation.

[Base: Average rate per 1,000 in all villages.] Ratios. On the basis of popula-On the basis of population as tion residpopulation as censused in May ing continu-ously from and June, 1916. Mar. 1 to Oct. 31, 1916. Mill village. Cases Cases with with ononset beset after tween Mar. 1 and Oct. Total a residefinite 31, after a residence dence of cases obat least a served.1 monthin of at least the vila month in the village specified.3 lage specified.* 100 100 100 255 273 261 119 105 109

¹ See Table I.

See Table II.

3 See Table V.

In the foregoing comparisons of pellagra incidence, no distinction was made between initial and recurrent cases. Reference has already been made, to the limitations attaching to such classification.

¹The differences in the rates are so marked that it has not seemed worth while to compute them to a standard population.

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Furthermore, in computing rates for these classes a serious source of possible error with respect to that for recurrent cases, if conventional practice is followed, should be noted. If, as some workers seem to believe, an essential etiological difference between an initial and a recurrent attack exists, it would necessarily follow that the rate for recurrent attacks should be based not as is that for first attacks, on the population as a whole, but on the number of individuals in that population having a history of a previous attack of the disease. For this purpose a record of all resident pellagrins would be necessary. Such we found it impracticable to secure, and so we are not in a position to make a comparison of the villages on the basis of rates for recurrent attacks determined in this way.

With the reservations suggested by the foregoing consideration in mind, we present Tables VII and VIII, in which are shown the incidence rates for initial and for recurrent attacks recorded in 1916. In the former table the incidence is computed for the population as censused in May and June; in the latter for the population residing continuously between March 1 and October 31. It will be observed in each of these tables that although the rate for initial attacks is in general decidedly lower than that for all cases, the relative position of the villages is not materially affected. Furthermore, a comparison of the rates for initial cases obtained by the methods of computation represented in these two tables shows but slight and unimportant differences, so that a comparison of villages on the basis of either of the rates for initial cases would seem to be permissible. It may be noted also that the relative incidence for recurrent cases differs distinctly from that for first attacks.

TABLE VII.—Incidence of initial and of recurrent-attack cases of pellagra after a residene of not less than 30 days in specified mill villages of South Carolina in 1916.

Mill village.	Number	Allo	ases.	Initial	cases.	Recurrent cases.	
	persons con- sidered.	Number.	Rate per 1,000.	Number.	Rate per 1,000.	Number.	Rate per 1,000.
All villages	4, 399 579 681 750 603 642 504 640	103 12 44 0 * 15 7 13 12	23. 4 20. 7 64. 6 0. 0 24. 9 10. 9 25. 8 18. 7	63 4 29 0 8 6 4 12 8	14.3 6.9 42.6 0.0 10.0 6.2 23.8 12.5	40 8 15 0 9 3	9. 1 13. 8 22. 0 0. 0 14. 9 4. 7 2. 0

[Population ascertained by census made in May and June, 1916.]

³ Includes one case the onset of whose attack occurred in 1915 and continued until 1916. Died in June, 1916.

¹ Strictly speaking the rate for initial attacks should be based on that portion of the population never previously affected. The possible error arising from using the entire population as a base may, even in these relatively small units, be regarded as negligible because of the relatively small number of that part previously affected.

² This would be unnecessary if the number of such present in the saveral villages formed a fairly uniform proportion of the population. There is reason to believe, however, that this ratio varies considerably.

TABLE VIII.—Incidence of initial and of recurrent-attack cases of pellagra with onset between Mar. 1 and Oct. 31, 1916, in persons of households, all or part of the members of which resided continuously in the specified mill villages of South Carolina between those dates.

[Only those definite cases considered having the onset after a residence of not less than 30 days in specified village.]

Numb		Allo	eases.	Initial	cases.	Recurrent cases.		
Mill village.	persons consid- ered.	Number.	Rate per 1,000.	Number.	Rate per 1,000.	Number.	Rate per 1,000.	
All villages	3, 489 450 595 593 447 489 392 523	100 10 44 0 14 7 13 12	28.7 22.2 73.9 0.0 31.3 14.3 33.2 22.9	54 3 26 0 5 4 8	15.5 6.7 43.7 0.0 11.2 8.2 20.4 15.3	46 7 18 0 9 3 5 4	13. 2 15. 5 30. 3 0. 0 20. 1 6. 1 12. 8 7. 6	

Taking into account the small size of the population units, the small number of cases, and the previously mentioned sources of error affecting the rates, especially the rates for recurrent cases, it would seem that a comparison of villages on the basis of the rates for cases, without distinction as to whether initial or recurrent, would be the most significant; that on the basis of rates for initial cases next; and that on the basis of rates for recurrent cases least.

Sanitation.

An examination of the various factors, which, taken together, constituted the sanitary character of each of the several villages studied, showed rather marked differences in certain respects. Characterizing these factors singly or as a whole, broadly, as good, bad. or indifferent, while possibly satisfactory for some purposes, did not seem to lend itself very well to an intensive study of the relation of these factors to the incidence of pellagra, particularly as such general characterizations were open to the influence of personal bias. Surg. W. H. Frost had developed a method for a survey of sanitary conditions with a definite system of weighted ratings for each of the several constituent factors in connection with his stream-poll tion investigations, a request was made of Surg. Gen. Rupert Blue for the detail of a sanitary engineer, trained in Surg. Frost's procedure, to make an independent survey of the mill villages in which we were carrying on our study and to furnish us with a report of his findings, including a sanitary rating of each village.

In response to this request, Mr. R. E. Tarbett, Sanitary Engineer, United States Public Health Service, was detailed and made such a survey of the villages in November, 1916. From his detailed report are taken the ratings summarized in Table IX, and the basic data with respect to the extent to which various types of water supply and conservancy were used, are shown in Table X. The general sanitary rating being the sum of the individual ratings after weight-

ing, and as the weighting will naturally vary somewhat with the varying judgment of the importance to be attached to the individual factors, this general rating will be affected accordingly. relative standing of the villages, however, will not be affected.

Table IX.—Summary of ratings of sanitary factors in specified mill villages of South Carolina in 1916.

[By R. E. Tarbett, Sanitary Engineer.]

		Ratings.							
Mill village.	Water supply.	Disposal of human excre- ment.	Sanitary control (flies, food- stuffs, and milk).	Control of commu- nicable diseases.	Domestic environ- ment and habits of popula- tion.	All factors.			
At	49,30 60.00 90.00 77.53 25.00 60.00	Per cent. 45.00 2.00 66.00 100.00 15.84 4.00 75.00 0.00	Per cent. 44.00 39.50 36.00 66.50 39.50 36.50 36.50 36.50	Per cent. 17.50 17.50 20.00 70.00 17.50 15.00 15.00	Per cent. 33. 33 33. 33 33. 33 66. 66 41. 60 33. 33 33. 33 33. 33	Per cent. 49. 33 28. 49 53. 12 87. 06 44. 46 18. 72 55. 43 26. 43			

This represents the sum of the ratings of all factors after due weighting. The weights assigned being as follows: Water supply, 40; disposal of human excrement, 32; general sanitary control, 12.5; control of communicable diseases, 12.5; and domestic environment, etc., 3.
 For period January-July, 1916.
 For period July-November, 1916. "Sanitary" privies replaced surface closets in July.

Table X.—Extent to which various types of water supply and methods of disposal of human excrement were used in specified mill villages of South Carolina in 1916.

[Based on report of sanitary survey by R. E. Tarbett, Sanitary Engineer.] WATER SHEET.V

		WA	TER S	UPPLY	•						
	Per co	ent of th	ne popul	ation in	each vi specified	llage affecte	d by the co	nditions			
Туре.	Mill village.										
					Sn.		Sa.				
	At.	In.	Ny.	Rc.		JanJune, 1916.	July-Nov., 1916.	Wy.			
All types	100. 0 20. 0	100. 0 23. 0	100.0	100. 0 100. 0	100. 0 27. 5	100.0	100.0	100.0			
Private: Dug wells Drilled wells Bored wells	76.0	60.0 17.0	100.0		12.0 54.5	100.0	100.0	59. 6 8. 4 7. 1			
Springs	4.0				6.0			5.5			
METH	DD OF	DISPOS	SAL OF	HUMA	N EXC	REMENT.					
All types	100. 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Sewers: Inside closets Outside closets			15.0 85.0	100.0	9.5						
Privies: SanitaryPail							100. 0	•••••••			
Surface	100.0	100.0	••••••	•••••	90.5	100.0	•••••	100.0			

Typhoid incidence being justly regarded as a good index of sanitary conditions, we made a record of all cases of typhoid fever encountered in the course of the canvass for pellagra. It was impracticable for us to apply laboratory diagnostic tests to these cases, so that, with the exception of a few concerning which information was secured from the medical attendant, our diagnoses are based on the history and brief clinical observation of the case. It was likewise impracticable for us to attempt to trace the source of infection. We deemed it expedient, therefore, to credit the cases to the village in which recorded. As there seems no reason to believe that the trend of the errors involved in this would vary materially in the different villages, we are disposed to regard the relative incidence of these cases as not without value as an auxiliary, though, because of the small number of cases, necessarily a subordinate index of sanitary conditions. all, 38 cases, representing a rate of 8.6 per 1,000 of the aggregate population, were recorded. Their distribution among the villages is shown in the following table:

Typhoid incidence recorded in specified villages in South Carolina in 1916.

	Village,	Number of cases.	Rate per 1,000.
At		2	3. 5 8. 8
Ny Rc		1 0	1.3 0.0 12.5
Sa Wy		10	19.8 17.2

Relation of Sanitary Factors to Pellagra Íncidence.

Thus far we have considered the rates of incidence of pellagra in the several villages and have seen that these might properly be compared on the basis of certain of those rates. As a measure of the sanitary conditions in the villages, we have the ratings assigned by Sanitary Engineer Tarbett after an independent survey, and as an auxiliary but subordinate index, we have the typhoid incidence recorded in connection with the canvass for pellagra. We are in position, therefore, to proceed with a study of the relation of factors of a sanitary character to the incidence of the disease.

In order more readily to ascertain any existing correlation between sanitary conditions and pellagra incidence, we have prepared Tables XI, XII, and XIII, and Figure 1. It may here be observed that the pellagra incidence rates presented in these tables are based on the populations as censused by us in May and June, 1916, for cases with onset after a residence of not less than 30 days in the specified village. Of the rates examined and, as has been seen, found equally suitable

as a basis for the comparison of villages, we have chosen these because the method of computing them conforms most closely to conventional practice.

In Table XI and Fig. 1 (A) we present the pellagra incidence data in relation to the sanitary character of the water supply as rated by San. Engr. Tarbett. No significant correlation is perceptible; the two villages representing the extremes of pellagra incidence (In. and Ny.) have water supplies with a difference in rating of little or no significance. Likewise, no consistent correlation between the incidence of pellagra and that of typhoid is here discernible. In contrast, however, a suggestive tendency to inverse correlation between typhoid incidence and water-supply rating is perceptible.

Table XI.—Relation of pellagra and typhoid incidence to sanitary character of water supply of specified mill villages of South Carolina in 1916.

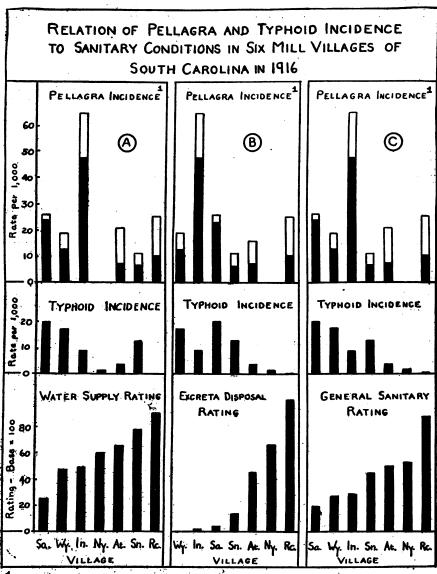
[Pellagra cases with onset after a residence of not less than 30 days in specified village; typhoid cases credited to village in which recorded. Rates based on pepulation as consused in May and June. Villages in order of increasing water-supply rating. Water-supply ratings by San. Engr. R. E. Tarbett.[

		Typhoid.	l'ell	agrà.
Mill village.	Water- supply rating.	All cases, rate per 1,900.	All defi- nite cases, rate per - 1,000.	First at- tack, rate per 1,000.
Sa	Per cent. 125.00 47.51 49.30 60.00 65.60 77.53 90.00	19.8 17.2 8.8 1.3 3.5 12.5	25. 8 18. 7 64. 6 0. 0 20. 7 10. 9 24. 9	23. 8 12. 5 42. 6 0. 0 6. 9 6. 2 10. 0

¹ The rating for this village is for the period anterior to and coincident with the pellagra season. In the other villages no changes occurred during the year.

In Table XII and Fig. 1 (B) are presented the pellagra incidence data in relation to the rating of the efficiency of disposal of human excreta in the several villages. Although the villages representing the extremes of pellagra incidence recorded by us are close to the respective extremes of excreta disposal rating, this suggestion of an inverse correlation is not borne out when the data are further examined: Of the two villages representing the extremes of efficiency of excreta disposal, the one (Rc.) with the highest rating (a water carriage system, see Table X) had a pellagra incidence rate that differed in but negligible degree from that of the village (Wy.) with the lowest rating (surface privies, see Table X), the incidence rate for "all definite cases" being slightly but not very significantly higher in the former and for "first attack cases" slightly but insignificantly higher

in the latter village. Similarly we fail to find any consistent correlation between pellagra incidence and the typhoid rate, although a



¹ Entire length of bar represents all definite cases; length of black portion, initial attacks See tables 19,44 and 12

Fig. 1.

distinct tendency to inverse correlation between the latter and the ratings for excreta disposal is perceptible.

TABLE XII.—Relation of pellagra and typhoid incidence to efficiency of methods of disposal of human excrement in specified mill villages of South Carolina in 1916.

[Pellagra cases with onset after a residence of not less than 30 days in specified village; typhoid cases credited to village in which recorded. Rates based on population as consused in May and June. Villages in order of increasing exercts disposal rating. Exerct a disposal ratings by San. Engr. R. E. Tarbett.]

		Typhoid.	agra.	
Mill village.	Excreta disposat rating.	All cases, rate per 1,000.	All defi- nite cases, rate per 1,000.	First at- tack, rate per 1,000.
Wy	Per cent. 0.00 2.00 14.00 15.84 45.00 66.00	17.2 8.8 19.8 12.5 3.5 1.3 0.0	18.7 64.6 25.8 10.9 20.7 0.0 24.9	12. 5 42. 6 23. 8 6. 2 6. 9 0. 0 10. 0

¹ The rating for this village is for the period anterior to and coincident with the pellagra season. In the other villages no change occurred during the year.

As may be seen by reference to Table IX, the variations among the villages in rating for efficiency of "sanitary control" (control of fly prevalence, protection of foodstuffs and of milk) are with one exception, very slight. This is likewise true of the ratings for efficiency of "control of communicable diseases" and of those for "domestic environment." In the case of the ratings for all three of these groups of factors, it is the same village (Rc.) that stands out conspicuously above the others. As this village is one of those having an intermediate pellagra incidence rate it is clear that no consistent correlation between any of these three groups of factors and the incidence of the disease is indicated.

Having thus examined the relation of each of the important sanitary factors or groups of factors in their relation to the incidence of pellagra, it will be of interest next to study the relation of the incidence of the disease to the general quality of the sanitation of the several villages as indicated by the rating representing the sum of the weighted ratings of the individual factors or groups of factors. For this purpose Table XIII and Fig. 1 (C) have been prepared. Study of these fails to reveal any consistent correlation between the quality of sanitary conditions and the incidence of the disease; nor, as we have previously seen, does there seem to be revealed any consistent correlation between pellagra and typhoid incidence. On the other hand, an inverse correlation between typhoid incidence and sanitary conditions is, as might have been expected, quite clearly suggested.

TABLE XIII.—Relation of pellagra and typhoid incidence to general sanitary rating of specified mill villages of South Carolina in 1916.

[Pellagra cases with onset after a residence of not less than 30 days in specified village; typhoid cases credited to village in which recorded. Rates based on population as censused in May and June. Villages in order of increasing sanitary rating. Sanitary ratings by San. Eng. R. E. Tarbett.]

		Typhoid.	Pell	agra.
Mill village.	General sanitary. rating.1	All cases, rate per 1,000.	All defi- nite cases, rate per 1,000.	First cases, rate per 1,000.
Sa	Per cent. 1 18. 72 23. 43 28. 49 44. 46 49. 33 53. 12 87. 06	19.8 17.2 8.8 12.5 3.5 1.3 0.0	25.8 18.7 64.6 10.9 20.7 0.0 24.9	23. 8 12. 5 42. 6 6. 2 6. 9 0. 0 10. 0

Represents the sum of the ratings of all factors after due weighting.
 Rating for this village is for the period anterior to and coincident with the pellagra season. In the other villages no changes of sanitary significance were observed during the year.

Conclusions.

This study of the relation of factors of sanitary importance to the incidence of pellagra in seven representative mill villages has failed to reveal any consistent correlation between them. Although based on a rather small mass of data and, in itself, not warranting any conclusions, it may, nevertheless, be noted as not without significance that this result, at any rate, affords no support for the view until recently, at least, quite widely entertained in this country, that pellagra is "an intestinal infection transmitted in much the same way as typhoid fever"; nor does the evidence adduced in favor of this view by other workers, when rightly considered, afford it any real support.

It may be of interest to add that the results of the very much more extensive study of this subject carried on by us during 1917 and 1918, to be presented in a later communication, are in harmony with and confirm those here recorded.

References.

- 1920. Goldberger and Wheeler, The Experimental Production of Pellagra in Human Subjects by Means of Diet: Hygienic Laboratory Bulletin No. 120, Washington, D. C., February, 1920.
- 1918. Goldberger, Wheeler, and Sydenstricker, A Study of the Diet of Nonpellagrous and of Pellagrous Households, etc.: J. Am. Med. Ass'n, Sept. 21, 1918, vol. 71, pp. 944-949.
- 1920a. Goldberger, Wheeler, and Sydenstricker, A Study of The Relation of Diet to Pellagra Incidence, etc. Public Health Reports, Washington, D. C., March 19, 1920, vol. 35, No. 12, pp. 648-713.
- 1920b. Goldberger, Wheeler, and Sydenstricker, Pellagra Incidence in Relation to Sex, Age, Season, Occupation, etc., Public Health Reports, Washington, D. C., July 9, 1920, vol. 35, No. 28, pp. 1650-1664.

¹ See Goldberger and Wheeler, 1920, and Goldberger, Wheeler, and Sydenstricker 1920a, for a discussion of this evidence. The explanation of the very marked difference in incidence recorded for some of the villages will be considered in a forthcoming paper.

MATERNITY AND INFANT WELFARE CENTERS.

One of the conspicuous results of the State-wide investigation in child hygiene now being made by the Public Health Service in the State of Missouri in cooperation with the State board of health is the establishment of some form of child-health supervision in a number of different communities throughout the State, which is maintained at local expense. In some communities this takes the form of the employment of one or more public health nurses trained in child-welfare work; in others the work is organized on an extensive scale, including the establishment of maternity and baby health centers, depending largely on the public-health education and the resources of the communities.

The following abstracts from a memorandum in regard to maternity and infant welfare centers, issued by the British Ministry of Health under date of November, 1919, may be useful as a guide to other communities desiring to engage in this type of child-health supervision. In abstracting this memorandum an attempt has been made, by additions and omissions, to modify British practice to conform to American conditions.

Infant Welfare Centers.

- 1. Purpose: Infant welfare center is primarily educational, providing advice and teaching mothers in the care and management, feeding and clothing, of infants and children of preschool age.
- 2. Teaching: The teaching should be done by a qualified member of the center and should be both individual and collective. Individual instruction may be imparted at the time of the consultation, while special classes may be held for groups of mothers.
- 3. Area: The size of the district that should be served by one center is determined largely by the density of the population. As a rule these districts should be as compact as possible and within easy reach of the mothers. The center can properly supervise an area in which occur about 400 births annually. If the attendance at the center becomes too large—that is, in excess of 30 or 40 a day—the center should be opened on an additional day of the week.
- 4. Attendance: The medical officer should at intervals see every child attending the center; children under 6 months of age, at least once a month, and older children at less frequent intervals.
- 5. Group teaching: This should consist of demonstrations and health talks. Special classes should be arranged for expectant mothers who are pregnant for the first time, teaching them the simple rules of mothercraft and the making of baby clothes. Sewing classes should be arranged for and other classes in home nursing, infant care, personal hygiene, cooking, first aid, and other subjects of interesting and helpful nature.

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6. Follow-up work: Home visiting should be made by the public-health nurse attached to the center, or, if simply to inquire into the reason for nonattendance, by volunteer untrained helpers.

- 7. Medical nursing staff: The medical staff should consist of one or more physicians skilled in the diagnosis of the diseases of children, either paid or volunteer. As a general rule the center should be in charge of a paid physician, because in the case of volunteer physicians it is difficult to maintain sustained interest in the work. The nursing staff should consist of one or more public-health nurses trained in child-health supervision, who should assist the physician, weigh and measure children, and assist mothers to prepare them for examination by the physicians, and who should also do home visiting.
- 8. Accommodations: The center should have facilities for a waiting room which may be used for classes, a weighing room, and a consultation room for the physician; also adequate sanitary arrangements.
- 9. Treatment: The center, as a rule, should not be used for treatment except in the case of minor ailments, such as sores, discharging ears (on the advice of a physician), and massage in suitable cases. Special arrangements should be made for the care and treatment of sick children, which should be carried out in connection with the children's hospital and out-patient clinic of the general hospital, or, in larger centers, the British plan of linking up several welfare centers with one center devoted solely to treatment may be followed.
- 10. Weighing and measuring: If practicable, infants under six months should be weighed weekly and those between six months and one year of age once every two weeks. Older children should be weighed every one to three months. Mothers will continue their interest in their attendance if they are provided with the weighing card for recording the weights and which they should bring with them each time they attend the center.

Other activities: Milk may be sold to mothers when this can be done under proper control and supervision. Milk should always be sold at a cost slightly under the retail price, and given free of charge to mothers who are unable to pay. Great care should be exercised in regard to this latter point. Where funds are ample and the attendance on the center sufficiently large to warrant it, a few beds may be provided for the care of premature infants and children suffering from malnutrition of such degree and kind as to demand scientific supervision and management.

Maternity Centers.

- 1. Function: The main function of a maternity or prenatal center is to advise expectant mothers in regard to conditions directly associated with pregnancy and as to general ailments which indirectly affect their physical welfare and that of the expected child.
- 2. Attendance: The majority of mothers do not realize the value of medical supervision during pregnancy in reducing or eliminating

avoidable discomforts and in rendering the confinement safer for both mother and child. For this reason mothers, while willing to bring their babies to be examined at infant welfare centers, are less willing to attend themselves before the babies are born. Attendance should be secured, therefore, through (a) making the center attractive as well as clinically useful; (b) enlisting the aid and cooperation of physicians and midwives, public-health nurses, and other agencies; and (c) by enlisting the aid of those attending the center, in the education of the public to the value of the work done by the center.

3. Personnel: The center should be under medical supervision of a physician experienced in obstetrics and gynecology, or, if this be not possible, arrangement should be perfected for referring certain cases to a specialist.

The medical supervision should be assisted by one or more obstetrical nurses or public-health nurses with obstetrical training.

Maternity or prenatal centers offer but little opportunity for voluntary help as compared with infant welfare centers.

4. Premises: The premises should comprise suitable rooms for waiting, dressing, and consultation, with special gynecological chair, couch, or table. There should be also adequate lavatory and toilet accommodations and facilities for the testing of urine and, in the more advanced centers, provision for examination of expectant mothers suspected of having tuberculosis.

5. Scope of work: (a) Consultation by the medical officer.—A careful history should be taken, together with an external examination and measurements, and by internal examination only when necessary in the interest of the patient.

(b) Home visiting.—This should be done in special cases by a qualified member of the center staff. Visiting should always be done with the knowledge and cooperation of the family physician.

(c) Educational classes in the hygiene of pregnancy, the making of garments for the baby, etc.

(d) Dinners or milk may be provided for expectant or nursing mothers in necessitous cases so frequently encountered in populous districts. "One of the most efficient and important means of securing healthy pregnancy is by insuring adequate nutrition."

(e) Dental treatment.—This should be included in the scope of the center whenever possible. There is no doubt that infected teeth exercise an injurious effect on health during pregnancy and lactation.

6. Relation to other institutions or health work: (a) Venereal disease, and (b) complications of pregnancy.

Arrangement should be made with the State and municipal laboratory for microscopic and serologic diagnosis in cases of suspected venereal disease. The center also should, wherever possible, be associated with a lying-in institution to which complicated cases requiring institutional treatment or examination could be referred.

DEATHS DURING WEEK ENDED JULY 3, 1920.

[From the "Weekly Health Index," July 6, 1920, issued by the Bureau of the Census, Department of Commerce.]

Deaths from all causes in certain large cities of the United States during the week ended July 3, 1920, infant mortality (per cent), annual death rates, and comparison with corresponding week of preceding years.

	Population		ded July 920.	Average	Per cent of deaths under 1 year.		
City,	Jan. 1, 1920, subject to revision.	Total deaths.	Death rate.1	annual death rate per 1,000.2	Week ended July 3, 1920.	Previous year or years.2	
Akron, Ohio Albany, N. Y Atlanta, Ga. Baltimore, Md Birmingham, Ala. Bridgeport, Conn Buffalo, N. Y Cambridge, Mass. Chicago, Ill. Cincinnati, Ohio. Cleveland, Ohio. Cleveland, Ohio. Columbus, Ohio. Dayton, Ohio Denver, Colo. Detroit, Mich Fall River, Mass Grand Rapids, Mich Hartford, Conn Indianapolis, Ind Jersey City, N. J Kansas City, Kans Los Angeles, Calif Louisville, Ky Lowell, Mass. Memphis, Tenn Milwaukee, Wis. Minneapolis, Minn Nashville, Tenn New Ark, N. J New Haven, Conn New York, N. Y Oakland, Calif Omabs, Nebr Philadelphia, Pa Pittsburgh, Pa Portland, Oreg Providence, R. I Richmond, Va. Rochester, N. Y St. Louis, Mo St. Paul, Minn San Francisco, Calif Seattle, Wash Springfield, Mass. Toledo, Ohio. Trenton, N. J Washington, D. C	208, 435 113, 344 200, 616 733, 826 178, 270 143, 152 505, 875 109, 456 237, 031 153, 830 257, 369 120, 485 137, 634 138, 036 1290, 389 120, 485 137, 634 138, 036 1290, 389 121, 481 112, 479 112, 479 112, 479 118, 342 415, 609 367, 148 118, 342 415, 609 162, 390 387, 488 118, 342 415, 609 162, 390 387, 488 118, 342 415, 609 162, 390 387, 488 118, 342 415, 609 119, 601 11, 823, 158 5, 621, 361 191, 601 11, 823, 158 5, 621, 361 11, 823, 158 5, 58, 193 116, 719 205, 850 772, 887 241, 595 598, 410 315, 652 243, 109 247, 571	29 41 71 188 70 24 101 27 534 119 148 59 18 60 190 25 37 37 80 55 21 156 70 28 84 75 51 88 130 1,034 1,034 14 60 56 56 56 56 57 48 171 48 48 48 48 48 48 48 48 48 48 48 48 48	7. 3 18. 5 18. 5 19. 6 10. 5 10. 0 10. 8 14. 0 14. 0 14. 0 15. 5 10. 0 10. 8 14. 0 10. 8 14. 0 10. 8 10. 0 10. 0 10. 8 10. 0 10. 0 1	C 14.4 A 12.2 C 14.4 C 1.1.0 A 12.6 C 11.1 A 10.2 A 12.6 C 12.3 C 1.6 C 1.4 C 7.9 A 12.3 C 12.1 C 12.3 C 14.4 A 12.2 A 14.7 C 16.2 A 14.7 C 12.3 C 12.1 C 12.3 C 12.1 C 12.3 C 14.1 C 12.3 A 17.9 C 14.1 C 12.3 C 14.1 C 12.3 A 17.9 C 14.1 C 15.8 C 14.1 C 15.8 C 14.1 C 15.8 C 14.1 C 15.8 C 15.8	24. 1 9. 8 21. 1 10. 0 20. 8 17. 5 15. 6 6 6. 7 11. 5 12. 0 11. 1 12. 2 12. 0 13. 1 14. 3 15. 5 17. 6 18. 1 17. 1 18. 2 19. 0 19. 0	C 16.7 C 16.7 A 14.9 C 19.6 A 19.0 A 19.0 C 15.4 C 21.4 C 21.4 C 21.4 C 25.6 C 31.7 A 10.3 C 11.0 A 25.6 C 20.6 C	
Worcester, Mass. Youngstown, Ohio.	179, 741 132, 358	22 29	6.4	C 17.3	13. 6 20. 7	C 11.9	

Summary of information received by telegraph from industrial insurance companies for week ended July 3, 1920.

Policies in force	44, 307, 593
Number of death claims	7,006
Death claims per 1.000 policies in force, annual rate	8. 2

Annual rates per 1,000 estimated population.
 "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the eorresponding week of the year 1919.
 Data are based on statistics of 1915, 1916, and 1917.
 Population estimated as of July 1, 1918.

PREVALENCE OF DISEASE.

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

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended July 10, 1920.

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

ALABAMA.		FLORIDA—continued.	
	30 S.	C	rses.
Diphtheria	11	Pneumonia	
Malaria		Scarlet fever	. 1
Moasles		Typhoid fever	. 6
Pellagra	. 5	GEORGIA.	•
Scarlet fever	19	Cerebrospinal meningitis.	. 2
Smallpox	10	Chicken pox.	
Tuberculosis (pulmonary)	21	Conjunctivitis (acute infectious)	_
Typnoid fever	37	Diphtheria.	
Whooping cough	16	Dysentery (amebic)	
ARKANSAS.		Dysentery (bacillary)	
Chicken pox	17	Hookworm	
Diphtheria	4	Influenza	
Hookworm		Malaria	
Influenza.		Measles	
Malaria		Mumps	
Measles.		Paratyphoid fever	_
Pellagra	11	Pneumonia	_
Scarlet fever	4	Poliomyelitis	_
Smallpox	3	Scarlet fever	_
Trachoma	2	Septic sore throat	_
Tuberculosis.	5 <u>1</u>	Smallpox.	_
Typhoid fever	24	Trachoma	1
Whooping cough	93	Tuberculosis (pulmonary)	
W Hooping coagn	••	Typhoid fever	
CALIFORNIA.		Whooping cough	
Cerebrospinal meningitis:		ILLINOIS.	
Alameda County	1	•	
Influenza	20	Cerebrospinal meningitis:	
Smallpox	28	Dolton	1
Typhoid fever	27	La Salle	1
'		Diphtheria:	,
DELAWARE	_	Chicago	93
Cholera infantum	1	Scattering	23
Diphtheria	1	Influenza	2
Measles	14	Pneumonia:	
Mumps	3	Chicago	49
Pneumonia	1	Scattering	3
Searlet fever	4	Scarlet fever:	
Tuberculosis	2	Chicago	26
Typhoid fever	1	Scattering	17
Whooping cough	2	Smallpox:	
FLORIDA.		Carbondale	30
	3	Freeport	7
Diphtheria	36	Scattering.	35
Malaria	1	Typhoid fever	8
Plague (bubonic)		••	•
e e e	(17)	19)	

(1719)

INDIANA.		MAINE—continued.	ases.
	156E.	Tuberculosis	. 14
Lawrence County		Typhoid fever	
Diphtheria		w mooping cough	. 02
Rabies in animal:		MARYLAND.1	
Clark County		Cerebrospinal meningitis	. 1
Scarlet fever		Chicken pox	
SmallpoxTyphoid fever		Diphtheria	
Typhoid fever epidemic:	10	Dysentery	
Winona, Kosciusko County.	•	Influenza	
IOWA.		Lethargic encephalitis	
		Measles	
Cerebrospinal meningitis: Mills County	1	Mumps	
Chicken pox	7	Paratyphoid fever	
Diphtheria	9	Scarlet fever	
Measles		Tuberculosis	
Scarlet fever	16	Typhoid fever	
Smallpox: Dubuque	17	Whooping cough	49
Pella	7	MASSACHUSETTS.	
Scattering	32		
Whooping cough	2	Cerebrospinal meningitis	
KANSAS.		Conjunctivitis (suppurative)	
Chicken pox	21	Diphtheria	112
Diphtheria	7	Dysentery	~~1
Measles	63 20	German measles	6
Pellagra	1	Influenza	· 1
Pneumonia	4	Measles.	-
Poliomyelitis	1	Mumps.	
Scarlet fever	22	Ophthalmia neonatorum	: 17
Smallpox Tetanus	63 1	Pneumonia (lobar)	
Tuberculosis	17	Poliomyclitis	
Typhoid fever.		Tetanus	1
Whooping cough		Trachoma	1
LOUISIANA.		Tuberculosis (all forms)	191
Malaria	59	Typhoid fever	
Measles	14	Whooping cough	195
Pellagra	14 7	MINNESOTA.	
Pneumonia	5	Smallpox	9
Smallpox	22	MISSISSIPPI.	
Tuberculosis	41	Diphtheria	3
Typhoid fever	25	Scarlet fever.	6
Whooping cough	9	Smallpox	10
MAINE.		Typhoid fever	?2
Chicken pox	8 10	NEBRASKA.	
Influenza	2	Chicken pox	2
Measles:	_	Diphtheria	1 24
Lewiston	18	Mumps	5
Portland	42 7	Scarlet fever	6
Scattering	26	Smallpox: Arcadia	9
Mumps	:	Wayne	9
Pneumonia	1	Scattering	20
Greenville	9	Typhoid fever	3
Scattering	21	Whooping cough	3
Septic sore throat	1	NEW JERSEY.	_
SmallpoxTetanus	1	Influenza	1 35
L'OMBIUS	1 !	a neumUnit	90

NEW JERSEYcontinued. C	ases.	TEXAS—continued. Ca	as es.
Smallpox cases:		Trachoma	. 2
East Rutherford.		Tuberculosis	. 16
Lyndhurst.		Typhoid fever:	
Rutherford.		Dallas	
NEW MEXICO.		Scattering	. 23
Chicken pox	. 1	Whooping cough	43
Diphtheria:		VERMONT.	
Mora County	. 16	Chicken pox	9
Scattering	. , 11	Diphtheria	
Measles		Measles	
Mumps		Mumps	
Pneumonia		Scarlet fever	4
Scarlet fever		Typhoid fever	2
Tuberculosis		Whooping cough	36
Typhoid fever		VIRGINIA.	
w nooping congn		VIRGINIA.	
NEW YORK.		Lethargic encephalitis—Rockingham County	Ţ
(Exclusive of New York City.)		Smallpox—Highland County	1
•		Washington.	
Anthrax—Ogden			
Diphtheria	97 4	Chicken pox	12
Measles 1		Diphtheria German measles	9 3
Pneumonia		Measles	60
Poliomyelitis—Walworth	1	Mumps.	1
Scarlet fever	99	Scarlet fever	20
Smallpox	1	Smallpox	47
Tetanus	1	Tuberculosis	5
Typhoid fever	17	Typhoid fever	5
Whooping cough	301	Whooping cough	18
NORTH CAROLINA.			
NORTH CAROLINA.		WEST VIDAINIA	
Chicken pox	22	WEST VIRGINIA.	
Chicken pox	12	Corebrospinal meningitis—Wellsburg	1
Chicken pox	12 65	Cerebrospinal meningitis—Wellsburg Diphtheria	1 4
Chicken pox	12 65 1	Corebrospinal meningitis—Wellsburg Diphtheria	4
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever.	12 65 1 9	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser.	11
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Septic sore throat.	12 65 1 9 7	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling.	11 24
Chicken pox. Diphtheria. Messles. Poliomyelitis. Scarlet fever. Se ptic sore throat. Smallpox.	12 65 1 9 7 24	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering.	11 24 22
Chicken pox. Diphtheria Measles. Poliomyelitis Scarlet fever Septic sore throat Smallpox. Trachoma.	12 65 1 9 7 24	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever.	11 24 22 9
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Smallpox. Trachoma. Typhoid fever.	12 65 1 9 7 24 1 88	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox.	11 24 22 9 7
Chicken pox. Diphtheria. Messles. Poliomyelitis. Scarlet fever. Se tic sore throat. Smallpox. Trachoma Typhoid fever. Whooping cough.	12 65 1 9 7 24 1 88	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever.	11 24 22 9
Chicken pox. Diphtheria. Messles. Poliomyelitis. Scarlet fever. Se jtie sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough.	12 65 1 9 7 24 1 88 341	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin.	11 24 22 9 7
Chicken pox. Diphtheria. Measles. Poliomyelitis Scarlet fever Se ytic sore throat Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox.	12 65 1 9 7 24 1 88 341	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Keyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. wisconsin. Milwaukee:	11 24 22 9 7 9
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Septic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria.	12 65 1 9 7 24 1 88 341	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis.	11 24 22 9 7 9
Chicken pox. Diphtheria. Messles. Poliomyelitis. Scarlet fever. Septic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery.	12 65 1 9 7 24 1 88 341	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox.	11 24 22 9 7 9
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se tic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza.	12 65 1 9 7 24 1 88 341	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria.	11 24 22 9 7 9
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se jtic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza. Maiaria:	12 65 1 9 7 24 1 88 341	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles.	11 24 22 9 7 9 2 16 26 98
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se tic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza.	12 65 1 9 7 24 1 88 341	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella	4 11 24 22 9 7 9 2 16 26 98 1
Chicken pox. Diphtheria. Messles. Poliomyelitis Scarlet fever Se ytic sore throat Smallpox Trachoma. Typhoid fever Whooping cough TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza. Malaria: Dallas.	12 65 1 9 7 24 1 88 341	Cerebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever.	4 11 24 22 9 7 9 7 9 2 16 26 98 1 15
Chicken pox Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se ytic sore throat. Smallpox. Trachoma Typhoid fever. Whooping cough. TEXAS. Chicken pox Diphtheria. Dysentery. Influenza. Malaria: Dallas. Edgewood. Fayette County. Scattering.	12 65 1 9 7 24 1 88 341 9 5	Cerebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox.	4 11 24 22 9 7 9 2 16 26 98 1
Chicken pox Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se ytic sore throat Smallpox. Trachoma Typhoid fever Whooping cough TEXAS. Chicken pox Diphtheria Dysentery. Influenza Maiaria: Dallas. Edgewood. Fayette County. Scattering Measles:	12 65 1 9 7 24 1 88 341 9 5 13 30 15	Cerebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever.	4 11 24 22 9 7 9 2 16 26 98 1 15 11
Chicken pox Diphtheria Measles Poliomyelitis Scarlet fever Septic sore throat Smallpox Trachoma Typhoid fever Whooping cough TEXAS. Chicken pox Diphtheria Dysentery Influenza Malaria: Dallas Edgewood Fayette County Scattering Measles: Fort Worth	12 65 1 9 7 24 1 88 341 9 5 13 30 15	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella Scarlet fever. Smallpox. Tuberculosis.	4 11 24 22 9 7 9 16 26 98 1 15 11 15
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Septic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza. Maiaria: Dallas. Edgewood. Fayette County. Scattering. Measles: Fort Worth. Guadalupe County.	12 65 1 9 7 24 1 88 341 9 5 5 13 30 15 19 12 15	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox.	11 24 22 9 7 9 2 16 26 98 1 15 11 15 40
Chicken pox. Diphtheria. Measles. Poliomyelitis. Scarlet fever. Septic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza. Malaria: Dallas. Edgewood. Fayette County. Scattering. Measles: Fort Worth. Guadalupe County. Scattering.	12 65 1 9 7 24 1 88 341 9 5 13 30 15 19	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuborculosis. Whooping cough Scattering: Chicken pox. Diphtheria.	11 24 22 9 7 9 2 16 26 98 1 15 11 15 40
Chicken pox Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se ptic sore throat. Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza. Malaria: Dallas. Edgewood. Fayette County. Scattering. Measles: Fort Worth. Guadalupe County. Scattering. Mumps.	12 65 1 9 7 24 1 88 341 9 5 13 30 15 19 12 15 5 2	Cerebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza.	11 24 22 9 7 9 2 16 26 98 1 15 11 15 40 21 19 3
Chicken pox Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se ytic sore throat Smallpox. Trachoma Typhoid fever Whooping cough. TEXAS. Chicken pox Diphtheria Dysentery Influenza Malaria: Dallas Edgewood. Fayette County Scattering Measles: Fort Worth Guadalupe County Scattering Mumps. Pellagra	12 65 1 9 7 24 1 88 341 3 4 9 5 5 13 30 15 19 12 15 5 2	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Keyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza. Mea*les.	11 24 22 9 7 9 2 16 26 98 1 15 11 15 40 21 19 3 3 257
Chicken pox Diphtheria Measles Poliomyelitis Scarlet fever Septic sore throat Smallpox Trachoma Typhoid fever Whooping cough TEXAS. Chicken pox Diphtheria Dysentery Influenza Malaria: Dallas Edgewood Fayette County Scattering Measles: Fort Worth Guadalupe County Scattering Mumps Pellagra Pneumonia	12 65 1 9 7 24 1 88 341 3 4 9 5 13 30 15 19 12 15 5 2 1 15 5 5	Ccrebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. WISCONSIN. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough. Scattering: Chicken pox. Diphtheria. Influenza. Measles. Rubella.	11 24 22 9 7 9 16 26 28 1 15 11 15 40 21 19 3 3 257 5
Chicken pox Diphtheria Measles Poliomyelitis Scarlet fever Septic sore throat Smallpox Trachoma Typhoid fever Whooping cough TEXAS Chicken pox Diphtheria Dysentery Influenza Maiaria: Dallas Edgewood Fayette County Scattering Measles: Fort Worth Guadalupe County Scattering Mumps Pellagra Peneumonia Scarlet fever.	12 65 1 9 7 24 1 88 341 3 4 9 5 5 13 30 15 19 12 15 5 2	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza. Mea les. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza. Mea les. Rubella. Scarlet fever.	11 24 22 9 7 9 16 26 98 1 15 11 15 40 21 19 3 3 257 5 67
Chicken pox Diphtheria. Measles. Poliomyelitis. Scarlet fever. Se ptic sore throat Smallpox. Trachoma. Typhoid fever. Whooping cough. TEXAS. Chicken pox. Diphtheria. Dysentery. Influenza. Malaria: Dallas. Edgewood. Fayette County. Scattering. Measles: Fort Worth. Guadalupe County. Scattering. Mumps. Pellagra Pneumonia. Scarlet fever. Smallpox:	12 65 1 9 7 24 1 88 341 3 4 9 5 13 30 15 19 12 15 5 2 1 15 5 5	Cerebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza. Measles. Rubella. Scatlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza. Measles. Rubella. Scarlet fever. Smallpox.	11 24 22 9 7 9 16 26 98 1 15 11 15 40 21 19 3 3 67 67 61
Chicken pox Diphtheria Measles Poliomyelitis Scarlet fever Septic sore throat Smallpox Trachoma Typhoid fever Whooping cough TEXAS Chicken pox Diphtheria Dysentery Influenza Maiaria: Dallas Edgewood Fayette County Scattering Measles: Fort Worth Guadalupe County Scattering Mumps Pellagra Peneumonia Scarlet fever.	12 65 1 9 7 24 1 88 341 3 4 9 5 13 30 15 19 12 15 5 2 11 5 12	Corebrospinal meningitis—Wellsburg. Diphtheria. Measles: Koyser. Wheeling. Scattering. Scarlet fever. Smallpox. Typhoid fever. Wisconsin. Milwaukee: Cerebrospinal meningitis. Chicken pox. Diphtheria. Measles. Rubella. Scarlet fever. Smallpox. Tuberculosis. Whooping cough Scattering: Chicken pox. Diphtheria. Influenza. Mea les. Rubella. Scattering: Chicken pox. Scattering: Chicken pox. Diphtheria. Influenza. Mea les. Rubella. Scarlet fever. Smallpox.	11 24 22 9 7 9 7 9 2 16 26 28 1 15 11 15 40 21 17 66

Kentucky Report for Week Ended July 3, 1920.

Cerebrospinal meningitis:	Cases.		Cases.
Anderson County	1	Mumps	
Chicken pox		Pneumonia	
Diphtheria	19	Scarlet fever	
Dysentery	1		
Influenza		Trachoma	
Malaria			
Measles:		Tuberculosis	
Ballard County	10	Typhoid fever	
Jefferson County.		Whooping cough	22
Pike County			•
Scattering		•	. 3

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

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

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

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhold fever.
1920. Alabama (June). Arizona (June). Florida (June). Massachusetts (June). Ohio (January). Ohio (February). Ohio (Agreh). Ohio (March). Virginia (May). West Virginia (June).	1 3 7 11 9 22 12 10 10	22 4 21 586 630 436 411 313 68 41	9 2 55 24 16,092 52,040 3,195 202 71	80 119 9 1 2 1 13 275	74 47 35 5, 287 6, 373 6, 553 5, 564 8, 248 5, 332 1, 572 598	13 10 2 	21632	38 23 8 716 1,640 1,900 7,266 1,993 1,471 71	106 15 2 621 490 638 780 736 339 138	69 9 52 64 97 51 60 136 126 78

ANTHRAX.

West Virginia-June, 1920.

During June, 1920, one case of anthrax was reported in West Virginia.

CEREBROSPINAL MENINGITIS.

Monthly State Reports-1920.

Place.	New cases reported.	Place.	New cases reported.
Arizona (June): Gila County Florida (June): Duval County— Jacksonville Sunter County Volusia County	1 1 1 1	Massachusetts (June)—Continued. Middlesex County— Watertown (town) Suffolk County— Boston Worcester County— Leominster Webster (town)	1 2 1 1
Total. Massachusetts (Juné); Bristol County— Attleboro. Franklin County—	3 1	Total. Ohio (January): Carroll County. Cuyahoga Coumty. Franklin County.	7

CEREBROSPINAL MENINGITIS—Continued. Monthly State Reports—1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
Ohio (January)—Continued.		Ohio (April)—Continued.	
Henry County	1	Lake County	2
Holmes County	1	Mahoning County	1 2
		Summit County.	1 1
Montgomery County	ī	Trumbull County	l ī
Montgomery County	3	Total	
Total	11		12
	l	Ohio (May):	
Ohio (February):		Ashtabula County	1
Allen County	1	Butler County	1
Ashtabula County	1	Cuyahoga County	į
Cuyahoga County	1	Defiance County	1
Hamilton County	1	Lake County	1
Lucas County	1	Lucas County	1
Montgomery County		Pike County	1 2
Seneca County	1	Summit County	2
Summit County		Van Wert County	1
Trumbull County	1	· ·	
	l	Total	10
Total	9	Virginia (May):	
Ohio (March):		Accomac County	1
Ashtabula County	1	Alleghany County—	
Cuyahoga County	3	Clifton Forge	
Erie County	ĭ	Lowmoor.	
Hamilton County	2	Botetourt County—	
Henry County	1	Glen Wilton	•
Licking County		Lee County	+
Mahoning County	4 2	Daniel on	÷
Marion County	1	Dryden Norfolk County—	1
Mantagement Country	2		
Montgomery County	1	Norfolk	1
Eeneca County	3	Roanoke County—	_
Summit County	1	Roanoke	1
Trumbull County	1	Rockbridge County	1
		Shenandoah County	1
Total	22		
Ohio (April):		Total	. 10
Allen County	1	West Virginia (June):	
Belmont County.	ī l	Kanawha County	1
Cuyahoga County	īl	Kanawha CountyLogan County	i
Franklin County	īl		•
PTRIIKIIN COUNTY			

City Reports for Week Ended June 26, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlants, Ga. Baltimore, Md. Beaumont, Tex Berkeley, Calif. Boston, Mass. Buffalo, N. Y. Detroit, Mich. Durbam, N. C. Galveston, Tex. Hartford, Conn. Indianapolis, Ind.	1 4 2	1 1 1 1 2 1	Kansas City, Kans Los Angeles, Calif. Milwaukee, Wis Now York, N. Y Providence, R. I. San Francisco, Calif. Sioux Falls, S. Dak. Stockton, Calif. Terre Haute, Ind. Wilmington, N. C	1 1 5 2 1	

DIPHTHERIA.

See Telegraphic weekly reports from States, p. 1719; Monthly summaries by States, p. 1722; and Weekly reports from cities, p. 1736.

INFLUENZA.

City Reports for Week Ended June 26, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md. Bayonne, N. J. Birmingham, Ala. Boston, Mass Chicago, Ill. Columbus, Ohio. Grand Rapids, Mich. Louisville, Ky.	3 2	i i	Providence, R. I	1 1	1 1

MALARIA.

Monthly State Reports-1920.

Place.	New cases reported.	Place.	New cases reported.
Alal ama (June): Cherokee County		Ohio (April): Allen County	
Cherokee County	1	Allen County	1
Clarke County	1 7 4		
Colbert County	1	Ohio (May):	İ
Etowah County. Geneva County. Henry County. Houston County.	3	Athens County Cuyahoga County Harrison County	ł
Henry County	6	Cuyahoga County	1
Houston County	3	Harrison County	1
	4	Licking County Lorain County	1 1 2 4 1
Madison County	9	Summit County	1 7
Lauderdale County Madison County Marengo County Morgan County Pike County	3 6 3 4 9 2 9 1	Summit County	l ĝ
Morgan County	1		
Pike County	6	Total	13
Shelby Colinia	5 7 9		
Sumpter County Talladega County Tuscaloosa County	6	Virginia (May):	
Tuscaloosa County	3	Accomac County	13
		Tangier	ĩ
Total	80	Tangier Botetourt County	1 2 7 3 1 7 2
Florida (June):		Brunswick County	7
Alachua County	13	Campbell County	3
Bradford County	ĩ	Carolina County	1 7
Calhoun County	1 /	Charles City County	9
Bradford County Cathoun County Citrus County Clay County	10	Caroline County	
Dade County—	1	Winterpock	2 2 12
Miami	3	Cumberland County	2
Duval County	7	Dinwiddie County	12
Duval County Jackson ville.	20	Franklin County	2 10
Hamilton County Hillsborough County—	1	Emporia	10
Hillsborough County—		Greensville County Emporia North Emporia	5 3
Tampa	9	Halifax County	. H
Loon County	2 5	South Boston Henrico County	10
Levy County	12	Henrico County	4 2
Madison County	ī	Henry County	2 15
Jefferson County Leon County Levy County Madison County Marion County	1	Henry County Isle of Wight County James City County King and Queen County	10 10
Nassau County	1 2 1 1	King and Queen County	2
Okeechobee County Palm Beach County	2	Mecklenburg County	2 6
Pinelles County	1 1	Mecklenburg County	10
Pinellas County. Polk County. St. Johns County.	6	Middlesex County	7
St. Johns County	1 1	Nansemond County Suffolk	1
Sumpter County	1	Nelson County	4 1 5
Suwanee County	3	New Kent County	5
Volume County	13 1	New Kent County	, ,
Taylor County Volusia County Walton County	2	Cape Charles	4 3 1 7
-		Townsend	1
Total	119	Northumberland County Pittsylvania County	4
fassachusetts (June):	—— I	Powhatan County	7
Middlesex County—	11	Princess Anna County Prince George County Rockingham County	21
Everett	1	Prince George County	5 1
Norfolk County—	. 1	Rockingham County	1
Deiham (town)	1	Southampton CountyFranklin	14
Plymouth County—	1	Stafford County.	7 1
Middleboro (town)	1	Surry County	5
Whitman (town)	ī	Surry County Sussex County Stony Creek Tazewell County	. 8
Suffolk County—	- 1	Stony Creek	. 8 2 5
Boston.	4	Tazewell County	5
Total	9	warren County	1
<u>}_</u>		Warren County	1 10
hio (January):		Washington County	1
Richland County	1	Washington County	i
hio (February):		York County	6
Defiance County	1	-	
Erie County	1	Total	275
Total	2	the state of the s	

MALARIA-Continued.

City Reports for Week Ended June 26, 1920.

Pince.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La Dallas, Tex Dedham, Mass Greenwich, Conn	15 1		Little Rock, Ark	. 1	1

MALTA FEVER.

Arizona-June, 1920.

During June, 1920, one case of Malta fever was reported in Arizona.

MEASLES.

See Telegraphic weekly reports from States, p. 1719; Monthly summaries by States, p. 1722; and Weekly reports from cities, p. 1736.

PELLAGRA. State Reports for May and June, 1920.

Place.	cases reported.	Place.	New cases reported.
Alabama (June): Calhoth County Hale County Houston County Madison County Montgomery County Total. Florida (June): Alachua County Duval County Jacksonville. Escambia County Pensacola. Hillsborough County Leon County. Madison County Seminole County Walton County Total. Massachusetts (June): Bristol County Total. Massachusetts (June): Bristol County Total. Massachusetts (June): Bristol County Total. Northampton Total.	13 13 11 13 11 11 11 11 11 12 10	Virginia (May): Chesterfield County— Beach. Culpeper County Hanover County King and Queen County. King William County. Mecklenburg County New Kent County Orange County Pittsylvania County Princess Anne County Pulaski County— Pulaski Roanoke County— Vinton. Washington County. Wise County Total	1

City Reports for Week Ended June 26, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, I.a	2	1 2	Durham, N. C	3	2

P AGUE (HUMAN).

Beaumont, Tex.

One case of human plague was notified at Beaumont, Tex., July 8, 1920. This is the ninth case reported at that city.

Pensacola, Fla.

From July 8 to 13, inclusive, 3 cases of human plague were notified at Pensacola, Fla. Four cases have been previously reported from Pensacola.

Port Arthur, Tex.

A death from plague was reported July 7, 1920, at Port Arthur, Tex. The patient had been employed on the docks at Galveston, Tex.

PLAGUE (RODENT).

California.

During the week ended June 26, 1920, rodents found to be plague infected were reported as follows: San Mateo County, 1 squirrel; Santa Clara County, 2 squirrels; Santa Cruz County, 4 squirrels; and Stanislaus County, 1 squirrel.

Pensacola, Fla.

From June 23 to July 13, 1920, 12 rodents were confirmed as plague infected in Pensacola, Fla.

New Orleans, La.

During the week ended July 3, 1920, no rodent was confirmed as plague infected in New Orleans, La.

Beaumont, Tex.

From July 1 to 13, 1920, 98 rodents were confirmed as plague infected in Beaumont, Tex.

Galveston, Tex.

From June 21 to July 13, 1920, 24 rodents were confirmed as plague infected in Galveston, Tex.

PNEUMONIA (ALL FORMS).

City Reports for Week Ended June 26, 1920.

Place.	Cases.	Deaths.	Places.	Cases.	Deaths.
Akron Ohio	,		Milwaukee, Wis. Minneapolis, Minn. Morgantown, W. Va. Mount Vernon, N. Y. Newark, N. J. New Bedford, Mass. New Britain, Conn. New London, Conn. New London, Conn. New Jondon, Conn. New York, N. Y. Niagara Falls, N. Y. North Adams, Mass. North Tonawanda, N. Y. North Adams, Mass. North Tonawanda, N. Y. Norwood, Ohio. Oakland, Calif. Oklahoma City, Okla. Omaha, Nebr. Orange, N. J. Pasadena, Calif. Passaic, N. J. Pasadena, Calif. Passaic, N. J. Paterson, N. J. Portendeld, Mass. Plainfield, N. J. Port Chester, N. Y. Portland, Oreg. Poughkeepsie, N. Y. Providence, R. I. Pueblo, Colo. Quincy, Mass. Richmond, Va. Rochester, N. Y. Rome, Ga. Rome, N. Y. Sacramento, Calif. St. Joseph, Mo. St. Paul, Minn. Salt Lake City, Utah. San Bernardino, Calif.		
Albany, N. Y	1 4		Minneapolis, Minn		:] i
Ann Arbor, Mich		·····i	Morgantown, W. Va	2	1
Akron, Ohio	1		Mount Vernon, N. Y	1	
Atlanta, Ga	1 1	. 1	Newark, N. J.	34	1 4
Atlantic City, N. J	2		New Bedford, Mass		. 4
Auburn, N. Y	2	12	New Britain, Conn		1 3
Bauonna N I	30	12	New London Conn		1 1
Redford Ind	_	1	New Orleans, La	2	1 6
Binghamton, N. Y	1	Ž	New York, N. Y	81	61
Birmingham, Ala		1	Niagara Falls, N. Y		. 2
Boston, Mass	12	14	North Adams, Mass		. 1
Bridgeport, Conn	<u>-</u> -	7	North Tonawanda, N. Y	1	2
Brookline, Mass	1 1	5	Norwood, Ohio		6
Pambridga Macc		1	Oklahoma City Okla		1 3
Charleston S. C		î	Omaha Nehr		3
Chelsea, Mass		î	Orange, N. J.	·····i	ĺ i
Chicago, Ill	75	24	Pasadena, Calif		1 2
Cincinnati, Ohio		1	Passaic, N. J.		2
Leveland, Ohio	8	12	Paterson, N. J.	3	····
Ann Arbor, Mich Ashtabula, Ohio. Atlanta, Ga. Atlantic City, N. J. Atlantic City, N. J. Baltimore, Md Bayonne, N. J. Bedford, Ind Binghamton, N. Y Birmingham, Ala. Boston, Mass Birningham, Ala. Boston, Mass Boridgeport, Conn Broofline, Mass Buffalo, N. Y Cambridge, Mass Charleston, S. C Chelsea, Mass Chicago, Ill. Cincinnati, Ohio Cinton, Mass Cohoes, N. Y Colorado Springs, Colo. Columbus, Ohio Concord, N. H Corpus Christi, Tex Dallas, Tex Davton, Ohio	[<u>-</u> -	1	Pawtucket R. I		2 2 2 23
Cohoes, N. Y	1 1	•••••••••••••••••••••••••••••••••••••••	Peoria, III.	• • • • • • • • • •	2
Polymbus Ohio		1 3	Philadelphia Pa	47	2
oncord N H		1	Pittefold Moss	31	. 20
Corpus Christi, Tex		î	Plainfield N. I	î	
Dallas. Tex		2	Port Chester, N. Y.		.2 7
Dayton, Ohio	1		Portland, Oreg.		7
Dallas, Tex. Dayton, Ohio. Detatur, Ill. Denver, Colo. Detroit, Mich.		25	Poughkeepsie, N. Y	1	
Denver, Colo	· · · · · · · · <u>· · ·</u> ·	2	Providence, R. I		2 1 1 3
Detroit, Mich	25	9	Pueblo, Colo		1
Eliraceth, N. J	1	3	Quincy, Mass	1	1
Englawood N I	2	1	Richmond, va		3
Everett Mass	11	1	Rome Ge	1	7
Betrott, Mich. El l'aso, Tex. Englewood, N. J. Everett, Mass. Fall River, Mass. Flint, Mich. Framont, Nahr	2	1 2	Rome, N. Y	î	
lint, Mich.		ī	Sacramento, Calif.	2	1
Fremont, McD. Fresno, Calif. Salesburg, Ill. Salveston, Tex. Sardner, Mass. Frand Rapids, Mich.		1	St. Joseph, Mo		1
resno, Calif	2		St. Paul, Minn. Salt Lake City, Utah. San Bernardino, Calif. San Diego, Calif. Sandusky, Ohio. Sanford, Me.		1 4 2 1 2
alesburg, Ill		1	Salt Lake City, Utah		2
alveston, Tex		1	San Bernardino, Calif		1
Pand Ponide Wich	2	• • • • • • • • • •	San Diego, Calif	21	Z
reat Falls, Mont	2	• • • • • • • • • • • • • • • • • • • •	Sanford Me	1	·
ireat Falls, Mont Jammond, Ind Jarrison, N. J. Jartford, Conn Jarteriord, Conn Javerhill, Mass Joboken, N. J. Juntington, Ind Juntington, W. Va Juntington, W. Va Juntington, W. Va Juntington, Jind Juntington, W. Va Juntington, W. Va Juntington, W. Va Juntington, W. Va Juntington, W. Y Juntington, W. Y Juntington, W. Y Juntington, W. Y Juntington, W. J.		1	Sanford, Me San Francisco, Calif. Santa Barbara, Calif. Savannah, Ga. Schenectady, N. Y. Sioux Falls, S. Dak Springfield, Ill. Springfield, Mass. Springfield, Ohio. Stockton, Calif. Syracuse, N. Y. Taunton, Mass. Terre Haute, Ind.	6	2
Iarrison, N. J.	3 .		Santa Barbara, Calif	i	
Tartford, Conn	2	1	Savannah, Ga		2
Haverhill, Mass	1].		Schenectady, N. Y	2	1
Ioboken, N. J		2	Sioux Falls, S. Dak		1
funtington, Ind	1	1	Springfield, III	1	• • • • • • • • • • • • • • • • • • • •
iuntington, w. va		1	Springheid, Mass	3	•••••••
ndiamonolis Ind	· -		Stockton Calif	2	i
thaca N V		i i	Syracuse N Y		2
ackson ville. Ill		î	Taunton, Mass	1	
mestown, N. Y	i .		Terre Haute, Ind		2
efferson City, Mo		1	Toledo, Ohió		1
ersey City, N. J	1 .		Trenton, N. J	1	1
alamazoo, Mich		1	Troy, N. Y		1
ansas City, Kans	2 -		Washington, D. C		y
ansas City, Mo	3	8	Watertown, N. I	2	
carny, N. J	8 3 3	i	West Orongo N I		i
anamazoo, mich annsas City, Kans ansas City, Mo earny, N. J awrence, Mass			Wheeling, W. Va		i
exington, Ky		i	White Plains, N. Y		ĩ
awrence, Mass exington, Ky ima, Ohio. incoln, Nebr ong Beach, Calif. os Angeles, Calif ouisville, Ky owell, Mass		î	Terre Haute, Ind Toledo, Ohio Trenton, N. J Troy, N. Y Washington, D. C Watertown, N. Y West New York, N. J Wheeling, W. Va. White Plains, N. Y Wichita, Kans Wilmington, N. C Winona, Minn. Winston-Salem, N. C. Worcester, Mass Yonkers, N. Y Youngstown, Ohio		3
incoln, Nebr	1 .		Wilmington, N. C		1
ong Béach, Calif	1 .	<u>.</u>	Winona, Minn		1
os Angeles, Calif	15	9	Winston-Salem, N. C		1
ouisville, Ky	1 2 3 1	1	Worcester, Mass	2	3
	2	4 3 2	Youngstown Ohio		á
ynn, Massethuen, Mass	1	3	TOURSWAII, OHIO		•
PLDUPN MASS	11	2		-	

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POLIOMYELITIS (INFANTILE PARALYSIS).

Monthly State Reports-1920.

Place.	New cases reported.	Place.	New cases reported.
Arizona (Juno): Maricopa County— Phoenix	1	Ohio (February): Ashtabula County Summit County	1 1
Pinal County	<u>1</u>	Total	
Florida (June): Hillsborough County— Tampa.		Ohio (April): Hamilton County Summit County	2 1
Massachusetts (June): Essex County—		TotalOhio (May):	3
Lynn	1	Cuyahora County Hamilton County Marion County	1
LowellWalthamSuffolk County—	1	Total	3
BostonPlymouth County— Brockton	1	Virginia (May): Fairfax County Lee County Southampton County	1
TotalOhio (January):	6	Total	
Ashtabula County Franklin County Noble County	1 1 1	West Virginia (June): Harrison County	1
Total	3	Total	2

City Reports for Week Ended June 26, 1920,

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio	1 2	1	Marinette, Wis. New Haven, Conn. New York, N. Y. San Diego, Calif.	1 1	

RABIES IN ANIMALS.

City Reports for Week Ended June 26, 1920.

During the week ended June 26, 1920, there were reported four cases of rabies in animals at Cincinnati, Ohio, one case at Council Bluffs, Iowa, one at Dallas, Tex., and one at Oakland, Calif.

SCARLET FEVER.

See Telegraphic weekly reports from States, p. 1719; Monthly summaries by States, p. 1722; and Weekly reports from cities, p. 1736.

SMALLPOX. Monthly State Reports—1920.

Tailadega County	Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Bullock County 3	Alabama (June):			Ohio (February):		
Calman County 2	Bullock County			Allen County.	. 1	
Delails County	Clarke County	1		Ashland County	. 2	
Dekalb County	Dallas County	1 2		Auglaize County		
Jefferson County	Dekalb County	1		Butler County	. 14	
Mobile County	Etowah County			Carroll County	. 2	
Montgomery County	Mobile County	23		Clark County	. 2	· · · · · · · · · · · · · · · · · · ·
Morgan County	Montgomery County	2		Clermont County	. 4	
Talladega County	Morgan County	1		Clinton County.		
Tuscaloèsea County	Shelby County	6		Coshocton County	1	
Waker County	Tuscaloosa County			Crawford County	18	
Total	Walker County			Cuyahoga County	. 17	
Arizona (June):				Darke County	. 5	
Arizona (June): Cochise County Godia County 1 Maricopa County 1 Total. Total. 15 Lake County 1 Henry County 5 Huron County 5 Huron County 5 Huron County 5 Huron County 6 Hardin County 5 Huron County 5 Huron County 6 Hardin County 5 Huron County 6 Hardin County 5 Huron County 6 Hardin County 7 Lake County 1 Manic County 1 Miami County 1 Miami County 1 Miami County 1 Miami County 1 Montromery County 1 Miami County 1 Montromery County 1 Muskingum County 1 Muskingum County 1 Lake County 1 Prible County 2 Richland County 3 Prible County 4 Prible County 5 Richland County 1 Prible County 2 Richland County 3 Seloto County 4 Seloto County 5 Seloto County 6 Richland County 7 Ranklin County 9 Pricklaway County 1 Rose County 1 Rose County 1 Rose County 1 Rose County 2 Richland County 3 Shelby County 4 Warren County 7 Prinklin County 7 Ranklin County 9 Trumbull County 1 Trumbull County 1 Richland County 2 Richland County 2 Richland County 3 Shelby County 4 Warren County 1 Richland County 2 Richland County 2 Richland County 3 Richland County 4 Richland County 4 Richland County 5 Richland County 7 Richland County 1 Richland County 1 Richland County 2 Richland County 3 Richland County 4 Richland County 4 Richland County 5 Richland County 7 Richland County 7 Richland County 8 Richland Co	Total	106		Franklin County	1 2	
Cochise County	Arizona (June):			Hamilton County	6	
Maricopa County	Cochise County			Hardin County	38	
Pima County	Gila County			Henry County	5	
Total	Pime County			Jackson County	1 1	ļ
Total	Yavapai County	i		Jefferson County	6	
Maini County				Knox County		1
Maini County	Total	15		Lake County	1 2	
Maini County	Florida (June):			Lucas County	2	
Maini County	Duval County—			Mahoning County	46	
Ohio (January): Miami County 16 Allen County 1 Monroe County 15 Athens County 1 Montogram County 15 Brown County 3 Ottawa County 1 Brown County 9 Pickaway County 26 Champaign County 3 Preble County 24 Champaign County 2 Richland County 24 Champaign County 22 Richland County 12 Coshocton County 21 Rose County 24 Chaw County 21 Rose County 12 Cayahoga County 3 Sectod County 25 Darke County 8 Senca County 1 Delaware County 3 Stark County 2 Eric County 3 Stark County 2 Fairfield County 3 Summit County 47 Franklin County 4 Warren County 1 Hamilton County 24 Warren County 2 <tr< td=""><td>Jackson ville</td><td>2</td><td></td><td>Marion County</td><td>. 13</td><td></td></tr<>	Jackson ville	2		Marion County	. 13	
Alen County	Ohio (Tonnory):			Mercer County		
Ashland County	Allen County.	5		Monroe County.	8	
Brown County	Ashland County	1	l	Montgomery County	15	
Butler County	Athens County	. 15				
Champaign County	Brown County	3		Pickeway County	26	
Clark County	Champaign County.	š		Pike County	24	
Crawford County	Clark County			Preble County	1	
Scioto County 8	Coshocton County	22		Richland County	12	
Darke County	Cuvahoea County	21		Scioto County	26	
Stark County 3	Darke County	8		Seneca County	ĩ	
Franklin County 9	Delaware County			Shelby County	2.	-
Franklin County 9	Frie County			Summit County	47	
Guernsey County	Franklin County			Trumbull County	1	
Henry County	Guernsev County	3		Van Wert County	27	
Henry County				Warren County	12	
Huron County				w yandotte County		
Charlest County	Huron County			Total	490	1
Lake County	Jefferson County			01:- (351)		
Lawrence County	Loke County			Onio (Marcii): Allen County	7	
Licking County	Lawrence County			Ashland County.	2	
Mahching County	Licking County	1		Auglaise County		
Marion County	Logan County			Brown County	I 7	••••••
Marion County	Mahening County			l Carroll County i	30 1	
Mercer County	Marion County			Chambaigh County	41	
Montgomery County	Mercer County			Clark County	12	· · · · · · · · · · · · · · · · · · ·
Ottawa County	Miami County			Coshocton County	2	
Perry County 3 Cuyahoga County 12 Pickaway County 109 Darke County 27 Richland County 34 Fayette County 5 Ross County 18 Franklin County 6 Sandusky County 18 Hamilton County 24 Scioto County 18 Hancock County 5 Shelby County 1 Hardin County 29 Stark County 19 Harrison County 1 Summit County 22 Huron County 4 Tuscarawas County 1 Jackson County 1 Union County 2 Jefferson County 1 Van Wert County 14 Knox County 6 Warren County 1 Lawrence County 1 Wayne County 1 Lawrence County 3 Wayne County 1 Lawrence County 3 Lawrence County 3	Ottawa County	7		Crawtord County	30	
Pickaway County 109	Perry County			Cuyahoga County	12	
Ross County	Pickaway County			Darke County	27	
Sandusky County 5	Richland County				2	
Scioto County 18	Sandusky County					
Shelby County 1	Scioto County	18		Hancock County	5	
Summit County 22	Shelby County			Hardin County		•••••
Tuscarawas County	Summit County		·····	Huran County		
Union County 2 Jefferson County 11 Van Wert County 14 Knox County 6 Warren County 1 Lake County 1 Lawrence County 13 Lawrence County 3 3 3 3 3				Jackson County		
Van Wert County 14 Knox County 6 Warren County 47 Lake County 1 Wayne County 1 Lavernece County 13 Lavern County 3 3	Union County	2		Jefferson County	11	•••••
Wayne County 1 Lawrence County 13	Van Wert County			Knox County		••••••
Logan County 1 31	Warren County		·····	Lawrence County		
Total Lorain County 1	wayin county			Logan County i		
Lucas County 1	Total	621		Lorain County	1 [•••••

SMALLPOX—Continued.

Monthly State Reports—1920—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
hio (March)—Continued			Ohio (April)—Continued.		i
Mahoning County	61		Van Wert County	. 6	
Marion County	21		Warren County	- 6	
Medina County	4		Williams County	2	
Mercer County Miami County	2 21		Total	780	
Montgomery County	18		Total	180	
Morrow County	- 2		Ohio (May):		
Muskingum County	2 1		Ohio (May): Allen County	40	1
Ottawa County Paulding County	6		Ashiand County	5	
Paulding County	5		Ashtabula County	7	
Pickaway County	58 1		Athens County	3	
Pike County	4		Auglaize County Belmont County	i	
Ross County	6		Butler County	17	
Scioto County	37		II Champaign County	- 14	
Seneca County	3		Clark County	2	
Shelby County	1		li Ciermont County	1	
Stark County	36		Coshocton County	4	
Summit County	62 3		Crawford County	63	
Trumbull County Union County	2		Cuyahoga County	8 24	
Van Wert County	7		Defiance County	5	
Warren County	7 5		Delaware County	ĭ	
Washington County	1		Erie County	22	
Williams County	1		Franklin County	18	
Wyandot County	1		Greene County	1]'
(Poto)	630		Hamilton County	31	
Total	638		Hardin County	10	
hio (April):			Henry County	1	
Allen County	18	l	Huron County	6	
Ashland County			Jackson County	ĭ	
Ashtabula County	1		Jefferson County	2	
Athens County	1		Knox County	2	
Auglaise County	5		Lake County	3	
Brown County			Lawrence County	12	
Butler County Carroll County			Licking County	9	
Champaign County			Lorain County Lucas County	6	
Clark County.	10		Mahoning County	97	•••••
Clinton County	7		Marion County		
Coshocton County	15		Medina County	2	
Crawford County	83		Mercer County	3	
Cuyahoga County	13		Miami County	2	
Darke County	16		Montgomery County	10 14	• • • • • • • • •
Erie County Franklin County	13 3		Morrow County Muskingum County	9	• • • • • • • • •
Greene County.			Ottowa County	2	•••••
Hamilton County	21		Pickaway County	15	
Hardin County	19		Pike County	6 !	
Henry County	4		Portage County	16	
Highland County	2		Putnam County	5	
Huron County	9 2		Richland County	13	• • • • • • • • • • • • • • • • • • • •
Jackson County	1	••••••	Ross County	9	•••••
Knex County.	3		Sanaca County	i l	••••••
Lawrence County	1.		Shelby County	۱į	
Licking County	1		Stark County	38	••••••
Lorain County	9		oummit county	87	
Mahoning County Marion County	143		Trumbull County	9	• • • • • • • • •
Marion County	35		Tuscarawas County	7	
Meigs County	1 2		Van Wert County	1 6	••••••
Miami County	5		Williams County	ĭ	••••••
Miami County Montgomery County	20		Wood County	ē	
Morrow County	3		_		
Muskingum County	1 .		Total	736	• • • • • • • • •
Ottawa County	3		ļ þ		
Pickaway County	68		***		
Portage County	3 8	·····	Virginia (May):	- 1	4
Richland County Ross County	13	·····	Alexandria County— Alexandria	1	:
Scioto County	27	I	Alleghany County	5	
Senoca County	4		Covington	2	· · · · · · · · · · · ·
Shelby County	2 .		Bedford County	2 3	
Stark County	43		Botetourt County	6 .	
		11	Troutville	12	-
Summit County Trumbull County	62		Campbell County	2	

SMALLPOX—Continued.

Monthly State Reports-1920-Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Virginia (May)—Continued. Elisabeth City County— Hampton	1 1 2 13 1 13 5		Virginia (May)—Continued. Wise County	6 2 26 4 4 14	da
Norfolk County	10 8		Total	339	
Norfolk Page County Patrick County Princess Anne County Pulaski County Pulaski. Roanoke Vinton Rockbridge County Bridgewater Harrisonburg Russell County Clinchfield Scott County Smyth County Smyth County Smyth County Cedar Bluff North Tazewell Warwick County Newport News Washington County	10 77 13 8 6 10 1 1 1 3 3 7 7 7 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		West Virginia (June): Boone County Brooke County Cabeil County Fayette County Greenbrier County Harrison County Jackson County Lewis County McDowell County Marion County Marion County Mercer County Mineral County Mineral County Monongalia County Preston County Raleigh County Randolph County Taylor County Tucker County Wayne County Wayne County Wyoming County Wyoming County	1 14 10 2 1 12 1 5 2 1 33 4 14 5 2 1 1 10 10 10 10 10 10 10 10 10 10 10 10	
Bristol	1 5		Total.	138	

City Reports for Week Ended June 26, 1920.

Place.	Cases. Deaths.		Place.	Cases.	Deaths.	
Akron, Ohio	13		Duluth, Minn	1		
Alexandria, La	1		East St. Louis, Ill	7		
Alton III	1		Evanston. III	2		
Appleton, Wis	11		Everett. Wash	2		
Atlanta, Ga	8		Fargo, N. Dak	2		
Baltimore, Md	1		Fort Scott. Kans	3		
Battle Creek, Mich	. 2		Fort Smith, Ark	2.	v	
Beatrice, Nebr	5		Fort Wayne, Ind	1		
Bedford, Ind	1		Great Falls, Mont	1	1	
Berkelev. Calif	ĩ		Greeley Colo	5		
Birmingham, Ala	2		Green Bay, Wis	5		
Boise, Idaho	ī		Huntington, Ind	Ž		
anton, Ohio.	6		Hutchinson, Kans	· 2		
edar Rapids, Iowa			Indianapolis, Ind	2	1	
entralia III	ī		Towa City, Towa	2	25	
Centralia, Ill	Ž.		Jacksonville, Ill	8		
Charleston, W. Va	2		Janesville, Wis	ĭ	1	
hicago III	- 1		Joplin, Mo	ī		
incinnati Ohio	2		Kancas City, Kans.	ã	1	
Chicago, Ili	3		Kansas City, Mo.	ě		
Clinton, Iowa	ĭ		Kenosha, Wis	5		
Colorado Springs, Colo			Knoxville, Tenn	2		
John Bus, Ohio	- 1		Kokomo, Ind.			
Jouncil Bluffs, Iowa	- 1			ĭ		
Delles Tor	- 1	•••••	Langester Ohio			
Dallas, Tex	- 4		Lawrence Vane		3.2	
Danville, Ill			Lancaster, Ohio Lawrence, Kans. Leavenworth, Kans.	5		
Denver Colo	20		Leavenword, Mans			
Denver, Colo	48		Lexington, KyLima, Ohio	21		
Des Moines, Iowa Detroit, Mich	8		Lima, Onio Lincoln, Nebr	21		

SMALLPOX—Continued,

City Reports for Week Ended June 26, 1920-Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Legansport, Ind	1		Riverside, Calif		
Long Beach, Calif	2		Roanoke, Va		
Long Beach, Calif	7		Rock Island, Ill	3	
Lynchburg, Va	3	1	Sacramento, Calif	1	
Manitowoc, Wis	ī		St. Joseph, Mo	2	
Marinette, Wis			St. I.ouis, Mo	1	l
Marien Ohio	3		St. Paul, Minn		1
Marshalltown, Iowa	. 4		Salt Lake City, Utah		1
Milwaukee. Wis	. 6		San Francisco, Calif	2	
Minneapolis, Minn	22		Santa Barbara, Calif	2	1
Mishawaka, Ind	- 1		Seattle, Wash	10	
Missoula, Mont	ī		Sioux City, Iowa	5	
Mobile, Ala	ī		Sioux Falls, S. Dak	í	
Nashville, Tenn	5		South Bend, Ind	ā	
Newcastle, Ind	ĩ		Spokane, Wash	13	
New Orleans, La	,		Springfeld, Ill	-3	
Oklahoma City, Okla	;		Springfield, Obio	7	
Omaha, Nebr			Superior, Wis	ŝ	·····
	10		Tacoma, Wash	3	
Oshkosh, Wis			Toreka, Kans		
Paducah, Ky Parsons, Kans	•		Vancouver, Wash	ž	
rarsons, Kans	3		Wallcouver, wash	9	
ekin, Ill	22		Waco, Tex	ŝ	
Portland, Oreg			Wausau, Wis	14	
Pueblo, Colo	į		Wichita, Kans	2	
Quincy, 111	4		Winona, Minn		
Racine, Wis	1		Winston-Salem, N. C	ò	
Red Wing, Minn	9		Yakima, Wash	1	
Reno, Nev	3		Youngstown, Ohio	1	

TETANUS.

City Reports for Week Ended June 26, 1920.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Chicago, Ill. Dallas, Tex. Mobile, Ala. Salt Lake City, Utah	1	1	Savannah, Ga. Schenectady, N. Y. Springfield, Mass. Waterbury, Conn.		1

TUBERCULOSIS.

See Telegraphic weekly reports from States, p. 1719, and Weekly reports from cities, p. 1736.

TYPHOID FEVER.

Monthly State Reports-1920.

Place.	New cases reported.	Place.	New cases reported.
Alabama (June). Autauga County. Baldwin County Barbour County Butler County Calhoun County. Chilton County. Dallas County Geneva County Lauderdala County Lown les County Marengo County Marengo County	1 1 3 3 1 1 1 24 1 3 2 4	Alabama (June)—Continued. Mobile County. Montgomery County. Morgan County. Pike County. Russell County. Shelby County. Talladega County. Tallapoosa County. Tuscaloosa County. Walker County. Winston County.	3 1 2 1 1 4 1 3 1 1

TYPHOID FEVER—Continued.

Monthly State Reports—1920—Continued.

Place.	Now cases reported.	Place.	New cases reported.
Arizona (June).		Ohio (January)—Continued. Franklin County. Guernsey County. Hamilton County.	
Arizona (June). Coconino County	2	Franklin County	. 2
Graham County	Ī	Guernsey County	2
Gila County	1	Hamilton County	1 . 4
Maricopa County	5	Highland County	i
manopa comity		Tefferson County	1 5
Total	9	Highland County Jefferson County Lake County Lawrence County Lewrence County	2 4 4 9 2 2 4 4 3 3 1 1 2 6 3 3 4 4 3 1 3
		Lawrence County	į į
Florida (June): Alachua County		Lawrence County Licking County Lucas County Mahoning County. Moior County	2
Alachua County	1	Lucas County	4
De Soto County	9	Mahoning County	3
Duval County—			3
Jacksonville	8 2 8	Muskingum County. Preble County. Ross County. Stark County.	
Escambia County	2	Preble County	1 1
Pensacola	8	Ross County	2
Hillsborough County—	_	Stark County	6
Tampa. Jeffersen County Lee County. Manastee County.	6	Summit County. Trumbull County. Tuscarawas County. Union County. Wood County.	3
Jefferson County	1	Trumbull County	j 4
Lee County	1	Tuscarawas County	3
Manatee County	4	Union County	1
Okaleesa County	1	Wood County	3
Pasco County	3		<u> </u>
Okalessa County Pasco County Pinellas County	1 1 4 1 3 2	Total	97
Polk County	7 1	10001	
Putnam County	7	Ohio (February):	
Putnam County	1 1	Delmont Country	1
Water Southly	<u>*</u> [Belmont County	
Total	52	Brown County	
10601	52	Brown County. Clermont County. Columbiana County.	551111122221111162111222
Samuel Manager (Trans)		Columbiana County	1
fassachusetts (June):		Crawford County	1
Bristol County—	_	Crawford County	1
Fairhaven (town)	2	Franklin County	1
Fan River	10		2
Taunton	1	Guernsey County	2
Essex County—	Í	Hamilton County	2
Gloucester	2	Hardin County	ī
7	10	Henry County	ī
Lvnn	ĩ	Guernsey County Hamilton County Hardin County Henry County Jackson County	•
Lawrence Lynn Hampden County— Holyoke Springfield W. Springfield (town). Middlesex County— Cambridge Everett Lowel		To Town County	•
Holzoka	1	Jeferson County Lake County Lawrence County	
Springfield		Tarrence County	
W Compagald (town)	1	Lawrence County	
w. Springiteia (town)	1	Lorain County	2
Middlesex County—	_	Monroe County Montgomery County Scioto County	1
Cambridge	1	Montgomery County	1
Everett	1	Scioto County	1
40W0H	3	Stark County Tuscarawas County Wood County	2
Newton	2 !	Tuscarawas County	2
Waltham	2	Wood County	14
Norfolk County-	- 1		
Brookline (town)	1	Total	51
Brookline (town) E. Milton (town) Foxboro (town) Needham (town)	1		
Foxboro (town)	î l	Ohio (March): Allen County Ashta'sula County	
Needham (town)	2	Allen County	2
Quincy	3 ∥	Allen County Ashts'ula County Clark County Cle mont County Clinton County Clinton County Columbiana County	ī
Quincy Plymouth County—	~	Clark County	· i
Brockton	1	Clarmont County	5
P.emouth (town)	i II	Clinton County	. 5
Suffack Country	- 1	Calumbiana County	1
Brockton Pymouth (town) Suffork County— Boston.	4.1	Complement County	
	14		0
Worcester County—	- 4	Erie County	
Grafton (town)	1	Fairfield County Franklin County	1
Worcester	1	Franklin County	1
jr		Guernsey County	2
Total	61	Hamilton County Henry Connty Jefoson County	3
ļ=		Henry Connty	2
hio (January):	. 1	Jefferson County	3
Adams County	4	LAKA CAINEV	1
Allen County Athens County Belmont County	4	Lawrence County Lo an County Lorain County Lorain County Lucas County	5
Athens County	4	Loran County	ĭ
Belmont County	ااۋ	Lorain County	2
Butler County	ĭ∥	Luces County	5
Clermont County	5	Mahaning County	2
Columbiana County	2	Mismi County	4
Clermont County	ž II	Mantage County	
Crawlord County	3	Montgomery County	2 2 1 6 1 1 1 2 3 2 3 1 5 1 2 2 2 1 1 1
Cuyahoga County	4	Mahoning County Miami County Mont somery County Mont amery County	ļ
	o il	Muskingum County	1
Darke County	اا م	musamsum country	-
Darke County	4 8 1 3 2 3 4 2 1	Portare County	ī

TYPHOID FEVER—Continued.

Monthly State Reports-1920-Continued.

Place.	New cases reported.	Place.	New case reported
Dhio (March)—Continued.		Ohio (May)—Continued.	
Phio (March)—Continued. Richland County	2	Miami County	
Ross County	1	Montgomery County	
Shally County	1 1	Morgan County	:
Stark County Summit County Trumbull County Tuscarawas County	3	Ottowo County	1 :
Summit County	1	Preble County Putnam County Richland County	1
Trumbull County	3	Putnam County] :
Tuscarawas County	2	Richland County	100
		H KOSS CONDEV	1 :
Total	60	Sandusky County	1 :
		Seneca County	i :
Ohio (April):		l Stark County	
Allen County	1	Summit County Trumbull County Tuscarawas County) :
Ashland County	2	Trumbull County	·
Ashtabula County	1 3	Tuscarawas County	i i
Belmont County	3	Wood County	
Belmont County	1	Wyandot County	1
Clark County	1 1	·	
Clermont County	1	Total	12
Clinton County	4		
Columbiana County	2	, , , , , ,	
Cuyahoga County	- 11	Virginia (May):	10
Franklin County	1	Accomac County	ibit.
Greene County.	4	Alexar dria County—	23.
Guernsov County	1	Virginia (May): Accomac County Alexardria County— Alexandria Alethany County—	Test1
Hamilton County	6	Alleghany County— Clifton Forge. Lowmoor.	-
Highland County	2	Clifton Forge	
Jefferson County	17	Lowmoor	
Lake County. Lawrence County.	9	Both County	1.0
Lawrence County	8 17	Millhoro	. :
Lorain County	17	Botetourt County Buchanan County	
Lucas County.	3	Buchanan County	
Madison County	4	Hurley	
Mahoning County	2	Campbell County—	
Marion County	ī	Lynchburg	· ·
Medina County.	3	Culpeper County	
Meigs County	3 1	Culpeper County Elizabeth City County—	•
Meigs County	î	Phoebus	
Miami County	3	Floyd County	
Miami County Montgomery County	2	Floyd County	
Muskingum County	ī	Clover	
Portage County	3 2 1 3 2 2 4 4 2	Hanover County	
Putnam County	2	Henrico County	
Richland County	2	James City County—	
Ross County	4	Williamsburg	
Sandusky County	4	King and Queen County	
Scioto County	2	Loudoun County	
Stark County	3	Nelson County	
Stark County	10 [New Kent County	1
	II	Norfolk County	2
Total	136	Norfolk	
		Nottoway County	
hio (May):	١. ا	Page County	1
Allen County	1	Princess Anne County	1
Ashtabula County	2	Rockbridge County	1
Athens County	1 2	Rockingham County	1
Butler County	2	Scott County Shenandoah County	1
Carroll County	1	Shenandoah County	1
Champaign County	1	Smyth County—	
Clark County	4	Saltville	1
Columbiana County	7	Surry County Sussex County Tazewell County—	2
('invahoga ('onntv	10	Sussex County	2
Defiance County		Tazewell County—	
Delaware County	1 2 2	Tazewell County— Graham North Tazewell	1
Erie County	2	North Tazewell	4
Franklin County	1	Pocahontas	i
Gallia County.	ī	Warwick County-	-
Grooms County	2	Newport News	4
Guernsey County Hamilton County	.5	Washington County	i
Hamilton County	4	Washington County	í
Hardin County	· il	Wise County—	•
Hardin County	$\tilde{2}\parallel$	Big Stone Gap	1
Highland County	6	Big Stone GapStonega	í
Huron County	ž	Wythe County—	-
Huron County	3 H	Max Meadows	1
Lawrence County	4 1 2 6 2 3 5	York County	í
Lorain County	14	,	
Lucas County.	3	Total	78

TYPHOID FEVER—Continued. Monthly State Reports—1920—Continued.

Place.	New cases reported.	Place.	New cases reported.
West Virginia (June): Berkeley County. Braxton County. Brooke County. Greenbrier County. Hancock County. Harrison County. Kanawha County. McDowell County. Maron County. Marshall County.	8 1 3 1 1 11	West Virginia (June) — Continued. Mineral County Monroe County Ohio County Pendleton County Preston County Randolph County Summers County Webster County	3 3 1 1 3

City Reports for Week Ended June 26, 1920.

Place. Cases.		Deaths.	Place.	Cases.	Deaths.	
Albany, N. Y	2	i	Kansas City, Mo	2		
Alexandria, La	2		La Salle, Ill	1		
Alexandria, Va	1	1	Lawrence, Mass	2	l	
Atlanta, Gá	1	l	Logansport, Ind	1	1	
Baltimore, Md	4	1 2	Long Beach, Calif	1	l	
Beaumont, Tex	2	2	Lorain, Ohio	3	I 	
Billings, Mont	1	1	Los Angeles, Calif	5		
Birmingham, Ala	4		Louisville, Ky	3 -		
Boston, Mass	6		Mattoon, Ill.	3		
Brockton, Mass	i î		Minneapolis, Minn	2		
Burlington, Vt	ī		Missoula, Mont	2		
Rutler Pa	l î		Mobile, Ala	5		
Butler, Pa	•	i	Nashville, Tenn			
Chamborehura Pa	1	•	New Orleans, La.			
Chambersburg, Pa Charleston, S. C	5	• • • • • • • • • •	New York, N. Y.			
The electon W Vo	7	••••••	Norwich, Conn			
Charleston, W. Va Chicago, Ill	7		Oakland, Calif.			
Cincago, III	2	i	Oil City Da			
Cincinnati, Ohio	2 2	1	Oil City, Pa	2		
Colorado Springs, Colo	2	• • • • • • • • •	Oklahoma City, Okla	2		
Columbus, Ohio	1		Petersturg, Va	1	2	
Covington, Ky	2		Phi a lelphia, Pa	5	2	
Dallas, Tex	11	1	Pittsburgh Pa	3		
Detroit, Mich	1	1	Portland, Me	4		
Durham, N. C	1		Providence, R. I	1 1		
East Chicago, Ind	• • • • • • • • • • • •	1	Quincy, Mass	1		
East St. Louis, Ill	1	1	Roanoke, Va	3	1	
El Paso, Tex		1	Rutland, Vt	1		
Eugene, Oreg	1		Sacramento, Calif	1		
Everett, Wash	1		St. Louis, Mo	2 1		
Fairmont, W. Va	1		Sanford, Me	1		
Fall River, Mass	2		Sault Ste. Marie, Mich	1 !		
Freemont, Ohio	1 '		Savannah, Ga	. [1]	1	
Jalesburg, Ill		1	Springfield, Mass Stockton, Calif			
lens Falls, N. Y		ī!	Stockton, Calif.	īl		
Hammond Ind		2	Toledo, Ohio	2		
Johoken N. J	1	- !	Topeka, Kan:	5		
Tolvoke Mass	î		Vancouver, Wash			
Covington, Ky Dallas, Tex Detroit, Mich. Durham, N. C. East Chicago, Ind. East St. Louis, Ill El Paso, Tex Eugene, Oreg. Everett, Wash Fairmont, W. Va. Fail River, Mass. Freemont, Ohio Jalesburg, Ill Jiens Falls, N. Y Hammond, Ind Hoboken, N. J. Holyoke, Mass. Huntington, Ind Hutchinson, Kans. amestown, N. Y.	i	1	Waco, Tex	= 1		
Futchingon Kans	5	-	Washington, D. C.	= 1		
Hutchinson, Kansamestown, N. Y	1		Wheeling, W. Va.	5.1	1	
ersey City, N. J.	1		Wilm noton Del	- 1	1	
oplin. Mo.	12		Wilmington, Del	••••••	1	
Kansas City, Kans	10		W HILLIE BOIL, 14. C		-	
vansas ∩ità, vans	1 :			i		

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS. City Reports for Week Ended June 26, 1920.

•	Popula- tion as of July 1, 1917			theria.	Mea	asics.		arlet ver.		iber- losis.
City.	(estimated by U. S. Census Bureau).			Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, S. Dak	15, 926	3	l				1	<u> </u>		
Adams, Mass	14,406	2	1				·····			
Akron, Ohio	93,604 28,433	35	5		5		6		3	
Alameda, Calif Albany, N. Y	106, 632	1	. 11		44		3		2	
Alexandria, La	16, 232 17, 959		. 2		3				2	
Alexandria, I.a. Alexandria, Va Allentown, Pa	65, 100	7	. 5		ii		· · · · i			
Alliance, Ohio Alton, Ill Amesbury, Mass Anaconda, Mont	19, 581 23, 783 10, 200	3	ļ		1		1			1
Amachury Mass	23,783	3 4	i		7 7		····i			· · · · · · · · .
Anaconda, Mont	10, 631	ď	<u>.</u>		4		ļ . .		ļ	
Ann Arbor, Mich Anniston, Ala Ansonia, Conn	15,041	12			6				••••	[
Ansonia. Conn	14, 326 16, 954	3	i		1	• • • • • • • • • • • • • • • • • • • •			1'	
Appleton, Wis Arlington, Mass Asbury Park, N. J Ashtabula, Ohio	18,005				1		4			
Arungton, Mass	13, 073	2	1		4 15		. 4	• • • • •		
Ashtabula, Ohio	14,629 22,008	5		::::	10					
	. 196, 144	59			8		2		3	2
Atlantic City, N. J. Attleboro, Mass.	59, 515 19, 776	12 7	3		11	• • • • • •	2	• • • • • •	*****	3
Auburn, Me	16,607	5								
Auburn, Me Auburn, N. Y	37, 823	12	5		49	1				1
Aurora, Ill. Baltimore, Md	34, 795 594, 637	5 166	7	2	13 103	·····2	11		28	19
Bangor, Me	26, 958		ļ .		4		î			
Barberton, Ohio	14, 187	6			3					
Barre, Vt	12, 401 17, 544	9			1		1		····2	2
Battle Creek, Mich.	30, 159		2		17		5			.
Baton Rouge, La Battle Creek, Mich Bayonne, N. J Beatrice, Nebr	72, 204	<u></u> -	2		4				5	
Beaumont Tex	10, 437 28, 851	10 13								•••••
Beaver Falls, Pa	28, 851 13, 749				9					.
Beatmen, refer Beaumont, Tex Beaver Falls, Pa Bedford, Ind. Belleville, N. J. Beloit, Wis.	10,613	3]	
Beloit. Wis	12, 797 18, 547		·		30	•••••	1		•••••	
Benton Harbor, Mich Berkeley, Calif Berlin, N. H	11,099	1			2		ĩ			
Berkeley, Calif	60, 427	11 3	2				2		1	1
Rethlehem Po	13, 832 14, 353	3	3		12					
Beverly, Mass	22, 128	1								
Billings, Mont	15, 123 54, 834	8 15			16		2			• • • • •
Birmingnam, Ala	189, 716	41	4		5		2		ii i	5
Bloomfield, N. J.	19,013	1 9			23					· · · · · •
Bloomington, Ill Bloomington, Ind	27, 462 11, 661	4	•••••	-			2		1	
Boise, Idano	35, 951	2]	7		i			
Boston, Mass	767, 813 22, 060	162	28 2	3	102		44	1	43 1	20
Braddock, Pa	1 14, 544		2		9					
Brazil, Ind. Bridgaport, Conn	10, 472 124, 724	1							2	
Bridgaport, ConnBristol, Conn	124, 724 16, 318	32	6		2		6		1	3 2
Brockton, Mass	69, 152	11	i i		ĭ.		i l		2 .	
Brookline, Mass. Brunswick, Ga. Buffalo, N. Y	33, 525	8			23 .		2 .		ī.	
Buffalo. N. Y	10, £84 475, 781	1 98	••••• •	2				···i		10
Burlington, lowa	25, 144				4 .		i .			.1.
Burlington, Vt	21,802	5	-	-		-			1 .	
Butler, Pa Butte, Mont	28, 677 44, 057	10	4	i	5 . 18 .		1 .		2 -	····i
Cadillac, Mich	10, 158	10 2 5								
Cairo, III	15, 995 114, 223	5 23	1	-			3 .		;-	5
Canton, Ill	12 674	0	.		24		ა .		6	
Canton, Ohio	62, 536	16	1	1	6 .				4	····i
Carbondale, PaCarlisle, Pa	19, 597		1 .		13 .		····2			••••
Carnegie, Pa	62, 566 19, 597 10, 795 11, 963 38, 033				7 .	::::: .		<u>i</u> .		· · · · · ·
Cedar Rapids, Iowa	38,033		1.							
Centralia, Ill	11,838	5	.			1-				

¹ Popu:ation Apr. 15, 1910.

City Reports for Week Ended June 26, 1920—Continued.

City. (esti	1, 1917	deaths	3		Mes	ısles.	fer	erlet ver.		ber- osis.	
l Ce	by U. S.	U.S. all causes.		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Chambersburg, Pa	12,475		. 2	 	. 4	ļ	ļ				
Charleston, S. C	61,041 31,060	. 25		·	3	ļ	····i		<u>2</u>	3	
Chelsea, Mass	48, 405	9	2		5		2		10		
Chester, Pa	41,857 22,863		. 1		7						
	22, N63 47, 201	2 482	81	10	264	. i	76	3	228	45	
Chicopee, Mass.	29.950 I	3					:	ļ			
Chicopee, Mass. Cincinnati, Ohio 4 Clarksburg, W. Va. Cleveland, Ohio 6	14, 248 12, 960 92, 259	86	9		33	1	11	1	11	11	
Cleveland, Ohio. 6	92, 259	145	14	i	32		18	i	38	23	
	97 679 1		.				1				
Clinton, Mass 1 Coatesville, Pa Coffeyville, Kans Cohoes, N Y	13,075 14,998	2			1 10	• • • • • •			1		
Coffeyville, Kans	14,998 18,331 25,292	7			3		i		1	1	
Colorado Springs Colo	25, 292 38, 965	5 14			6				3	1 8	
Columbia, S. C.	35.165 L								1		
Colorado Springs, Colo Columbia, S. C. Columbus, Ohio. Concord, N. H.	20, 135 22, 858	. 60 10	2	[]	12 30	1	3	1	5 2	3	
Connellsville, Pa.	15 876				30				î		
Corpus Christi, Tex	10,789	5								1	
Council Bluffs, Iowa	13,321 31,838	4 7	i			•••••	1			·····ż	
Covingion, Ky	59,623	9					2		2	3	
Cumberland Md	26,773 26,686	6 6	1		4		····i			i	
Cumberland, Md. 2 Dallas, Tex 12 Danvers, Mass 1	29,738	51	1		13		2		10	5	
Danvers, Mass	10,037 .	•••••					3		1		
Danville, Ill. 3 Danville, Va. 2	32,909 20,183	11			4	•••••			•••••		
Danville, Va. Davenpert, Iowa Dayton, Ohio 12 Decatur, Ill 4	19,618 28,539 11,483		1		1		i				
Docatur III	28,539	34 6			2		3		1	·····ż	
Dedham, Mass 1	10.618	6					3				
Denver, Colo	58,439 14,052	63	6		89		2		•••••	14	
Detroit, Mich.	9,648	183	79	9	39	2	45	2	49	17	
Dedham, Mass. 1 1 2 2 2 2 2 2 2 2	19,648 13,276	5								1	
Dubuis, ra	4,994 7,677	12	····i			•••••	7		4	i	
Durham, N. C	26, 160	12					i			2	
	30, 286 10, 656 .	5			····¡· ·		-	-		1	
Easton, Pa	IN 854 I		i		17		i i				
East Orange, N. J	3,761	10	;-		28 .		1 .		1	1	
	7,312 8,887	14	1		9		1		1	3	
	8.562	4			27 .					i	
Elkhart, Ind 2	8,830 . 2,273	4	3	1	4		6		9	4 1	
El Paso, Tex	9,149 1,028	49	2	i i		i .				1Ô	
Elwood, Ind	1,028 2,603	6 3	····i	-	3	-		-		••••	
Erie, Pa	6,592		2		43		5		5		
Eugene, Oreg. 1	4,257	0									
Evanston, Ill. 2	5, 142 9, 304	8	•••••				···i			1	
Everett, Mass 4	0,160	10							i		
Eureka, Calif. 1. Evanston, Ill. 2. Everett, Mass. 4. Everett, Wash. 3. Fairmount, W. Va. 12. Fall River, Mass. 12. Fargo, N. Dak. 11. Findlay, Ohio. 11. Findlay, Ohio. 12. Ford du Lac, Wis. 22. Fort Scott, Kans. 14.	7, 205 6, 111			•••••	37 .		····i·				
Fall River, Mass	9,828	27	···i		23 .		4	·····	4		
Fargo, N. Dak	7,872	9	1		16 .						
Flint, Mich 5	4,858 7,386	6 14	••••2		5 .	•••••	···· ₇ · -	···i·	1.	••••	
Fond du Lac, Wis	1,486		ī		6						
Fort Smith, Ark	0,564 9,390	2	•••••	-	···i-		···i·	-		•••••	
Fort Wayne, Ind. 78	8.014	20	i		42		2			<u>;</u>	
Fort Smith, Ark. 22 Fort Wayne, Ind. 77 Fostoria, Ohio. 16 Framingham, Mass 16 Freeport III	0,959 4,149	5 8			12		3 .	·····[·	;- -	••••	
Freeport, Ill.	9,844	3			14		····· ·	::::1	1	••••	

¹ Population Apr. 15, 1910.

City Reports for Week Ended June 26, 1920-Continued.

·	Popula- tion as of July 1, 1917	Total deaths	Diph	theria.	Me	asles.	Sca	arlet ver.	Tu	ber- osis.
City.	(estimated by U. S. Čensus Bureau).	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Frement, Nebr. Fremont, Ohio. Fresno, Calif.	10,080 11,034 36,314 24,629	4 1 9					2			
Colvector Toy	42,650 17,534	6 12 1 3			1 25				1	i 1
Gardner, Mass Glens Falls, N. Y Gloucester City, N. J Grand Rapids, Mich Great Falls, Mont.	17, 160 11, 375 152, 861 1 13, 948 11, 942	36 11 3	3	2	1 32 3		3 8		1 2	i
Greely, Colo	12, 251 20, 171	5 7	i		2 36		3 2		1 1	i
Greensboro, N. C. Greensburg, Pa. Greenwich, Ccnn Hackensack, N. J. Hammond, Ind	15, 881 19, 594 17, 412	3 10 12	1 1 3		1 2 24		4 1		1	
Harrison, N. J. Hartford, Conn. Hayorhill Mass	73,276 17,345 112,831 49,180	32 14	 2 3		8 7 17 27		2 6 1	i	1 2 3	4
Hibbing Minn	28, 981 17, 550 78, 324 66, 503	12 13	3 2 11 1	1	2 1 17		1 2		4 5	i
Hoboken, N. J. Holyoke, Mass. Huntington, Ind. Huntington, W. Va. Hutchinson, Kans. Indianapolis, Ind.	10,982 47,686 21,461	6 14 74	1 1 4	2	8		i		2 4	2
Ironton, Ohio	283,622 11,626 14,679 15,095	1 4			92 4 3 7		8			 1
Isnpeming, Mich	16,710 112,448 16,017 15,506	1 6 9	1		11 1		1		1 1 2	· · · · · · · · · · · · · · · · · · ·
Ithaca, N. Y Jacksonville, Ill. Jamestown, N. Y Janesville, Wis. Jefferson City, Mo. Jersey City, M. J Johnstown, Pa Kalamazoo, Mich Kankakee, Ill Kansas City, Kans Kansas City, Mo.	37,431 14,411 13,712 312,557	12 4	21		17 7 13		2 2 9		113	1
Johnstown, Pa Kalamazoo, Mich Kankakee, Ill	70,437 50,408	17 3	3		15 7	i	1 4 1		1	i
Kansas City, Mo. Kearny, N. J. Keene, N. H. Kenosha, Wis.	102,096 305,816 21,325 10,725 32,833	78 10 1	5		11 12 9 4		2 1 2		4 6 2 4	3 1
Knoxville, Tenn Kokomo, Ind Lackawanna, N. Y	21,929 16,219	6 5	1		11 3 2 7		2		1	i
Knoxville, Tenn Kokomo, Ind. Lackawanna, N. Y La Crosse, Wis La Fayette, Ind. Lancaster, Ohio. Lancaster, Pa La Salle, Ill. Lawrence, Kans	31,833 21,481 16,086 51,437	7 2	2 9		10				1	i
Lammonee Mose	12,332 13,477 102,923	3 3 19 4	ı		8 2 64		2	1	1	3
Leavenworth, Kans. Leavington, Ky Lima, Ohio Lincoln, Nebr.	1 19, 363 41, 997 37, 145 46, 957	15 15 15	1 3		5 7 3				1 1 4	3 3 1
Little Rock, Ark. Lockport, N. Y Logansport, Ind. Long Beach, Calif. Long Branch, N. J.	58,716 20,028 21,338 29,183	2 3 10	2		3 1		1		11	·····
Long Branch, N. J. Lorain, Ohio. Los Angeles, Calif. Louisville, Ky. Lowell, Mass.	15,733 38,266 535,485 240,808 114,386	1 156 56	53	1	1 4 112 15		1 3 1		2 75 11	18 5
Lowell, Mass.	114, 386	26	3	1	35	1	2	1	10	5 3

¹ Population Apr. 15, 1910.

City Reports for Week Ended June 26, 1929—Continued.

. '	Popula- tion as of July 1, 1917	Total deaths	Diph	theria	. Mea	ısles.		arlet ver.		ıber- losis.
City.	(estimated by U. S. Census Bureau).	from all causes.	Свяев.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ludington, Mich	10,566	2			<u></u> .			ļ		1 1
Lynchburg, Va Lynn, Mass	33,497 104,534 48,299 20,795	17	7	·	23		6	-	1 4	1 2
McKeesport, Pa.	48, 299	.			2			.	i	
McKeesport, Pa. McKees Rocks, Pa.	20, 795			.	1			.		
Madison, Wis	31,315 17,709				1					·
McKees Rocks, Pa. Madison, Wis. Mahanoy City, Pa. Malden, Mass. Manchester, Conn. Manchester, N. H. Manitowoc, Wis. Mankato, Minn. Marinette, Wis. Marion, Ind. Marjon, Ohio. Marquette, Mich.	52, 243 15, 859	9	8		15	i	i	1	1	1
Manchester, Conn	15,859	.2	3		5	i	1		3	· <u>-</u>
Manitowoc Wis	79,607 13,931	17	3		18	1	6		3	.1
Mankato, Minn	10, 365	2			2				i	1
Marinette, Wis	1 14,610 19,923 21,129			·	1					ļ
Marion, Ohio	21, 129	6	····i			• • • • • •			i	1
Marquette, Mich	12 555	2 5			18				ļ . .	
Marquette, Mich. Marshalltown, Iowa. Martinsburg, W. Va. Medford, Mass. Melrose, Mass.	14,519	5	1							
Martinsburg, W. Va	12,984 26,681	3	<u>2</u>		2 33		1		3	
Melrose, Mass	17 721	3			4		· · · · i			
Meriden, Conn	29. 431		1				2			1
Metnuen, Mass	14,320 15,890	4	1		7 1		1		····· <u>·</u> ·	
Middletown, Ohio	16,384	3					2		ĩ	
Melrose, Mass. Meriden, Conn Methuen, Mass. Middletown, N. Y. Middletown, Ohio. Milwaukee, Wis. Minneapolis, Minn Mishawaka, Ind Missoula, Mont. Mobile, Ala. Monessen, Pa.	445,008	95	6	3	187		19	1	20	13
Minneapolis, Minn	373,448 17,083	84 4	6		89	1	7		14	10
Missoula, Mont.	19,075	3			4		• • • • • •			
Mobile, Ála	19,075 59,201	20	1				1			i
Monessen, Pa	23,070 10,346	3					2 2			
Monmouth, Ill	27, 687	2			13	•••••	2		3	
Montgomery, Ala. Morgantown, W. Va. Morristown, N. J. Moundsville, W. Va. Mount Carmel, Pa. Mount Vernon, N. Y. Muncie, Ind.	27, 687 44, 039	22					4		ž	2
Morgantown, W. Va	14,444	5			4					
Moundsville, W. Va	13,410 11,515	2								1
Mount Carmel, Pa	11,515 20,709 37,991								1	
Mount Vernon, N. Y	37,991	2	2		1					
Muncie, ind	25, 653	5 6					2	• • • • • •		i
Nashua, N. H.	17,713 27,541 118,136 418,789	9			21				8	2
Nashville, Tenn	118, 136	40	ا٠٠: ١٠٠		9		1		6	2 6 6
Newark, N. J	121,622	82 25	21		102	2	14 5		37 8	6 5
New Britain, Conn	55.385	10			3		6	2		ĭ
Muncie, Ind Muscatine, Iowa Nashua, N. H Nashville, Tenn Newark, N. J New Bedford, Mass New Britain, Conn New Britsin, Conn New Brunswick, N. J Newburyport, Mass New Castle, Ind New Hounn	25,855 15,291	<u>.</u> .							2	
New Castle Ind	15, 291	5			11		····i		• • • • • • •	· · · · · · ·
New Castle, Ind. New Haven, Conn. New London, Conn. New Orleans, La. Newport, R. I. Newton, Mass. New York, N. Y. Niagara Falls, N. Y. Norristown, Pa. North Adams, Mass.	159 975	26	5		16		6		17	·····2
New London, Conn	21, 199 377, 010 30, 585 44, 343				2				1	1
New Orleans, La	377,010	120	1		16		3		29	10 1
Newton, Mass.	44.313	12			32		ĭ		2	2
New York, N. Y		1,026	279	20	253	6	75	i	335	103
Niagara Falls, N. Y	38,466	10	1		6	• • • • • •	7		1	1
North Adams, Mass	31,969 1 22,019 20,006	7	····iˈ		13					
Northampton, Mass	20,006	9	. 2	1	9					•••••
North Attleboro, Mass	11.248	1	2		2		•••••			•••••
North Tonawanda, N. Y	15,684 14.060	i	2					j		
North Adams, Mass. North Anthropton, Mass. North Attleboro, Mass. North Braddock, Pa. North Tonawanda, N. Y. Norwalk, Conn. Norwich, Conn. Norwoid, Ohio. Oakland, Calif. Oak Park, Ill. Doll City. Pa.	14,060 27,332	5	1						i	
Norwich, Conn	21 (23)	3 8	2		····;· ·		•••••			•••••
Oakland, Calif.	23,269 206,405 27,816	56	5		1		5			·····ż
Oak Park, III	27,816	6		i	11					
Oil City, Pa	20, 162	20	1		2 .			•••••	¦	•••••
Oklahoma City, Okla Olean, N. Y	97,588 13,927	20		•••••		· · · · · · · · · · · · · · · · · · ·		•••••		
Omaha, Nebr	177, 777 33, 636	25			14		7		3	2
Orange, N. J	33,636	7	1	•••••	6 5			•••••	3	1
USHAUSH, WIS	36,549	! -	1		D 1.		I 1.			•••••

¹ Population Apr. 15, 1910.

City Reports for Week Ended June 26, 1920—Continued.

	Popula- tion as of July 1, 1917	Total deaths	Diph	theria	Me	asles.		rlet ver.		iter- osis.
City.	(estimated by U. S. Census Bureau).	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Paducah, Ky	25, 178				1		1	ļ	ļ	.,
Parkersburg, W. Va Parsons, Kans	21,057 15,952	4	1				2			
Pasadena, Calif	49,620	13			9	1			2 2	i
Pasadena, Calif	74,478	18	2	1.	13		1			1
Paterson, N. J. Pawtucket, R. I. Peekskill, N. Y.	140, 512 60, 666	14	4		52		1		4	·····;
Peekskill, N. Y	19,034 10,973	5		i]
Pekin, Ill	10,973				1					
Peoria, Ill. Perth Amboy, N. J. Petersburg, Va. Philadelphia, Pa. Phillipsburg, N. J. Phoenixville, Pa. Picus, Ohio	72,184 42,646	14 5	1 3		28 9		2		5	
Petersburg, Va	25, 817 1, 735, 514 15, 879 11, 871	11	2		19		1	1 2	5 1	
Philadelphia, Pa	1,735,514	380 5	47	5	137	10	49	2	74	42
Phoenixville Pa	11.871	3			i					, 1
Piqua, Ohio	14,273	2								
Pittsburgh, Pa	586,196		14		233		14		25	·
Plainfield, N. J.	39,678 24,330	4 1			9 2				3	
Plattsburg, N. Y	· 13,111	3								2
Pittsburgh, Pa. Pittsfield, Mass. Plainfield, N. J. Plattsburg, N. Y. Plymouth, Mass. Plymoth, Pa	14,001	2								-
	19,430 18,006	8	¦			• • • • • • • • • • • • • • • • • • • •	····i		1	
Pontiac, Mich. Port Chester, N. Y. Port Huron, Mich.	16,727	10			4					!
Port Huron, Mich	1 18,863	6	1				1		1	1
Portland, Me Portland, Oreg	64,720 308,399	13 58	2		18 61		2 5	• • • • • •	4	1 6
Portemouth N H	11,730				16					
Pottstown, Pa Pottsville, Pa Poughkeepsie, N. Y Providence, R. I	16,987		1		3					-
Poughkeensie N .Y	22,717 30,786 259,895	9	¦		4		1			-
Providence, R. I.	259,895	61	13		33		14			5
Pueblo, Colo	55,084		2		26		1			2
Quincy, III	36,832 39,022	7 8	1		1 14		1 3		i	-
Racine, Wis	47,465		····i	í	17		7			
Providence, R. I Pueblo, Colo Quincy, Ill Quincy, Mass Racine, Wis Rahway, N. J Reading, Pa Redlands, Calif Reno, Nev Richmond, Ind Richmond, Ind	10,361	1								
Reading, Pa	111,607 14,573	6	2							····· <u>ż</u>
Reno, Nev	15, 514	5	1		1				i	
Richmond, Ind	25,080	8	3						<u>-</u> -	2
Richmond, Va. Riverside, Calif. Roanoke, Va.	158, 702 20, 493	46 9	2 3		64		2		7 1	4 1
Roanoke, Va.	46, 282	6	3						i	5
Redchester, IV. I	264,714	63	21	1	16		6	1	16	3
Rock Island III	55,739 29,452	10 5	1	1	2 4		3	1	3	
Rocky Mount, N. C.	12,673	7								
Rock Island, Ill. Rocky Mount, N. C. Rome, Ga. Rome, N. Y Rutland, Vt	15,607				<u>.</u> .				1	
Rutland Vt	24,259 15,038	6	• • • • • •		30		2			
Sacramento, Cant	15,038 68,984				1		i		5	2
St. Cloud, Minn. St. Joseph, Mo.	12,013		1							
St. Louis, Mo.	86, 498 768, 630	31 143	1 47	1 1	50		1 12		40	2 8
St. Paul, Minn	768,630 252,465 49,346	53	6	1	23	1	9		12	3
Salem, Mass	49,346	. 10	14	1	9				2	•••••
Salem, Oreg. Salt Lake City, Utah.	21,274 121,623	20	·····2	1	33		····2		····i	,1
San Bernardino, Calif	17,616	3			!				i	i
San Diego, Calif	56,412	25	1		2		1		3	2
Sanford, Me.	20, 226 11, 217	4 2	•••••	• • • • • • •	2					i
San Francisco, Calif	471,023	108	7	3	8		8		36	8
Santa Barbara, Calif	15,360	5							1	· · · · · ·
Santa Cruz, Calif	15, 150 13, 839	5 3	1		14	•••••			····i	· · · · •
Sault Ste. Marie, Mich	14, 130	1					2		1	
Savannah, Ga	69, 250 103, 774	30	1	• • • • • •	;;;.				1	4
Schenectady, N. Y	149,541	12	3		113 12		····2	•••••	3	1
Scranton, Pa. Seattle, Wash.	366,445		9		28		8			
Shamokin, Pa	21,274	- 1	1 1		1	1	1	- 1	- 1	

¹ Population Apr. 15, 1910.

City Reports for Week Ended June 26, 1920—Continued.

City.	tion as of July 1, 1917	Total deaths	Diph	theria. Me						Tuber- culosis.	
	(estimated by U. S. Census Bureau).	from all causes.	Ca3e3.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Sharon, Pa	19,156		1 1		12 17		3				
Shenandoah, Pa	28,907 29,753		1		1 11		3				
Sioux City, Iowa	58,568	<u>.</u>					2				
Sioux Falls, S. Dak	16,887 88,618	20	6	····i	111		3		1 6		
South Bend, Ind	70, 967 14, 465	10		l . .	7				2	2	
Southbridge, Mass	14,465	1			! 1						
Spokane, wash	157,656 62,623	. ii	2		8 15		1	• • • • • •		····;	
Springfield, Mass	108.668	22	4	1	32		7		3	i	
Springfield, Mo	41, 169	17								4	
Stamford, Conn	41, 169 52, 236 31, 810	10	····i		25		4	• • • • • •	2	2	
Staunton, Va.	11.823	5									
Shenandoah, Pa Sioux Citv, Jowa Sioux Falls, S. Dak Somerville, Mass South Bend, Ind. Southbridge, Mass Spokane, Wash Springfield, Ill. Springfield, Moss Springfield, Mo. Springfield, Ohio Stamford, Conn Stamton, Va Steelton, Pa Steubenville, Ohio.	15,759	9	2				2				
Steubenville, Ohio Stockton, Calif Sunbury, Pa Superior, Wis Syracuse, N. Y Tacoma, Wash	28, 259 36, 209	12			3		····i			;	
Sunbury, Pa	16.661		3		4		3				
Superior, Wis	47, 167 158, 559 117, 446	11			<u></u>		1		2		
Tacoma Wash	158,559	53	9	1	154 35				. 4	3	
Taumon, mass	36.610	12			2		· · · i		1		
Terre Haute, Ind	67,361	16								1	
Tiffin, Ohio	12,962 202,010	6 49	·····2	i	18	• • • • • •	20	····i	7		
Toledo, Ohio Topeka, Kans. Trenton, N. J. Troy, N. Y. Tucson, Ariz.	49,528	10			23		20		i	3	
Trenton, N. J.	49,528 113,974 78,094 17,324	28	3		1 1		5		4	1	
Tueson Ariz	78,094	20 14		· · · · · ·	2		5	;	2		
Uniontown, Pa	21,600	14			2			1		• • • • • •	
Uniontówn, Pa. Vallejo, Calif	13,873	3			ī						
Vancouver, Wash	13,895		2				6				
Waco. Tex	15, 054 34, 615	8	4		4						
Vancouver, Wash Virginia, Minn Waco, Tex Waltham, Mass	31,011	7	2	····i	8		5				
Warren, Pa	15,083				4		1				
Washington, D. C	269,282 22,076	87	11	2	9		14		25 5	6	
	82, 201		1		5 2		7	···i	4		
Watertown, Mass	15, 188	2			8		1		i		
Watertown, N. Y	30, 404 19, 666	3	1		1		3		····i	- 	
West Chester, Pa	13,403				8		3				
Waterbury, Conn. Watertown, Mass. Watertown, N. Y. Wausan, Wis. West Chester, Pa. Westfield, Mass. West Noboken, N. J. West New York, N. J. West Orange, N. J. White Plains, N. Y. Wichita, Kans.	13, 403 18, 769	3			ĭ .				2		
West New York N I	44,886 19,613	4 3	1	1		•••••			2	·····	
West Orange, N. J.	13,964	3		:	5				2	i	
Wheeling, W. Va.	43.657	16			24		3			î	
White Flains, N. Y	23,331	37		•••••	2 15	• • • • •	1	1	1	i	
winte Plains, N. Y. Wichita, Kans. Wilkes-Parre, Pa. Wilkinsburg, Pa. Williamsport, Pa. Wilmington, Del. Wilmington, N. C. Winche iter, Mass.	73, 597 78, 334	31			10		3		2		
Wilkinsburg, Pa	23,899				1		3				
Williamsport, Pa	34, 123 95, 369	23			.1				j	•••••	
Wilmington, N. C.	30, 400	19			11		4		····2	3	
Winche ter, Mass.	10,812	4			2						
Winona, Minn. Winston-Sa!em, N. C. Winthrop, Mass. Woburn, Mass.	1 18, 583	7			1		.		ا		
Winthrop, Mass	33, 136 13, 105	18			9	· • • • •	3	•••••	2	3 1	
Woburn, Mass.	16,076	5									
worcester, Mass	166, 106	43	4		7		10		6	4	
Yakima, Wash Yonkers, N. Y	22,058 103,066	17	••••		16 17		2 .		10	3	
York, Pa	52,770	11	4		11		2		10	3	
Youngstown, Ohio	112,282 31,320	16	2		ii .		2 1	i		2	
Zanesville, Ohio	31,320	8				1 .	.			1	

¹ Population Apr. 15, 1910.

FOREIGN AND INSULAR.

COLOMBIA.

Yellow Fever-Buenaventura.

The occurrence of a fatal case of yellow fever was reported at the port of Buenaventura, Republic of Colombia, June 3, 1920.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

	June 11-	June 11–20, 1920.			
Diseases.	New cases.	Deaths.	ing under treat- ment June 20, 1920.		
Cerebrospinal meningitis			12		
Cerebrospinal meningitis. Chicken pox.	. 3				
Leprosy - Malana Measles Scarlet fever Typhoid fever	17 18	1 2 2 4	10 220 55 9		

¹ From abroad 2.

Precautions Against Importation of Plague.

The following regulations relative to precautions against the importation of plague have been ordered by the department of health at Habana to be observed by handlers of merchandise at the docks:

- 1. To swab the floors of the houses daily, leaving them damp, with a disinfecting solution which has for its base "cresol" or a similar substance.
- 2. To immediately stop up rat holes or any crevices in floors or wall that might serve as a shelter for these rodents.
- 3. To deposit refuse exclusively in zinc receptacles that have covers which close hermetically.
- 4. To keep the floors free from all particles of food that might serve as food for mice, as well as to see that sacks, barrels, cases, and crates are unbroken and without apertures through which their contents might be spilled around.
- 5. The merchandise shall be placed apart from the wall, in order to admit a man to pass.

GIBRALTAR.

Influenza Made Notifiable-Reported Prevalence.

Influenza was made notifiable at Gibraltar in November, 1919. During the months of November and December 22 cases were notified. During the year 1919 three fatalities from influenza were reported.

² From the interior 11.

From the interior 33.

The type of the disease is stated to have been milder than during the outbreak of 1918 and the duration of the disease shorter. The total number of deaths due to the influenza epidemic among the civil population in the year 1918 was stated to be 100.

GREECE.

Further Relative to Plague-Piræus.

Under date of July 9, 1920, 3 new cases of plague were reported at Piræus, Greece.

ITALY.

Plague—Catania.

Plague was reported present at Catania, Island of Sicily, Italy, June 24, 1920, with 2 fatalities. Two new cases were reported July 3, 1920.

MEXICO.

Summary of Plague-Vera Cruz.

Plague was officially announced to be present at Vera Cruz, Mexico, May 29, 1920, the date of the first case being determined approximately as April 21. The total number of cases notified from the beginning of the outbreak to July 11 was 47. During the week ended July 11, 4 human cases were notified and 26 rodent cases were confirmed.

NEW ZEALAND.

Influenza—Dunedin.

During the two weeks ended May 17, 1920, 321 cases of influenza were notified at Dunedin, New Zealand. (Population, census of October, 1916, 68,716.)

RHODESIA.

Brushes-Importations from Japan Prohibited.

According to information dated May 27, 1920, in consequence of the discovery of anthrax germs in a consignment of shaving and tooth brushes imported from Japan the importation into Southern Rhodesia of such brushes manufactured in Japan has been prohibited.

SALVADOR.

Status of Yellow Fever.1

Under date of June 24, 1920, the status of yellow fever in the infected region of Salvador (Sonsonate) was reported as follows: Actual cases, 49; fatalities, 17. Yellow fever was reported present at Sonsonate May 26, with 1 fatal case; and from May 22 to June 9, 5 cases with 2 fatalities.

¹ Public Health Reports, June 4, 1920, p. 1369, and July 2, 1920, p. 1643.

SWITZERLAND.

Influenza-1918-19.

Statistics of the Federal Sanitary Service of Switzerland for the years 1918 and 1919, show in 1918 a total of 664,463 cases of influenza, and in 1919, 86,058 cases.

SYRIA.

Plague-Beirut.

Plague was reported present at Beirut, Syria, June 30, 1920.

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

Reports Received During Week Ended July 16, 1920.1

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India: Calcutta Philippine Islands: Provinces	May 16-22	60	59	May 23-29, 1920: Cases, 4; deaths,
Cagayan	May 23-29	4	4	4.
	PLA	GUE.		. •
Greece:	July 9	3		
India	l	l . .		May 9-15, 1920: Cases, 1,386;
Calcutta Karachi	May 16-22 May 23-29do	1 6	1 7	deaths, 1,169.
Madras Presidency Italy:	do	7	10	
Catania	June 24	2	2	
Mexico:	l *.			
Vera Cruz Straits Settlements:	May 29–July 11	47	29	
Singapore Syria:	May 9-15	3	1	
Beirut	June 30			Present.
	SMAL	LPOX.		
Algeria:	1			
Department— Algiers	Tumo 1 11	7		
Constantine	ldo	í		
Oran	do	10		
Brazil: Pernambuco	Apr. 12-May 2	34		
Santos	Mar. 24-28		1	
Canada: Ontario				•
Cornwall	June 25–30	.2		
M003ejaw	June 26-30	1		
Colombia: Santa Marta	June 13-19			Present.
Greece: Saloniki	Apr. 28-May 30	11		
India:			•••••	
KarachiMadras.	May 23–29	4	3 5	•
Italy:			•	
MessinaNaples	May 31-June 6 June-6-12	1 2	·····i	Province, cases, 21; deaths, 3.
Palermo	June 12-18	í		
Japan: Kobe	May 31-June 6	2	1	
Portugal:	· ·	- 1		
Lisbon	June 6-12	••••••	. 2	
Valencia	June 6-12	3	1	
Tunis	June 7-13	6	1	

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

Reports Received During Week Ended July 16, 1920-Continued.

TYPHUS FEVER.

Place.	Date. Cases.	Deaths.	Remarks.
Algeria:	•		
	11		
Great Britain: DublinJune 6-		. 1	
Japan: Nazasaki	-301		
Portugal: Oporto	May 29 10	4	
	13 19	4	

Colombia:				
Buenaventura	June3	1	1	
Salvador: Sonsonate	Reported June 21	49	17	

Reports Received from June 26 to July 9, 1920.1

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Chungking	. May 16–22		551	
India	.	1		Apr. 11-24, 1920: Deaths, 2,964.
Calcutta		137	132	
Rangoon	May 2-8	3	2	
Indo-China:		Ì		
Saizon	. Apr. 23-May 16	56	41	Report for May 9 not received.
Java:				-
West Java				Apr. 29-May 5, 1920: Cases, 4
Batavia	Арг. 29-Мау 5	4	2	deaths, 2.
Siam:				,
Bangkok	Apr. 25-May 8	303	165	
Philippine Islands:				
Manila	May 9-15	1	1	'
Provinces				May 9-15, 1920: Cases, 3; deaths, 2
Albay	May 9-15do	2	1	
_ Cagayan	do	1	1	
Turkey:	l			
Amassia				Asiatic Turkey.
Kaiseri	Dec. 22	1		Do.
Karassi	Jan.3	1		Do.
Mamuret-ul-Aziz		1	1	Do.
Panderma	DecJan	16	6	
Rodosto		1		European Turkey.
Smyrna	Dec. 22	3	2	Asiatic Turkey.

PLAGUE.

•		1		1
Brazil:		l	l	ļ
Bahia	Apr. 25-May 22	8	2	ł
Ceylon:		1	_	
Colombo	May 2-8	1	1	l
Chile:	•		_	
Antofagasta	May 17-June 13	4	l	

¹ From medical officers of the Public Health Service. American consuls, and other scurces. For reports received from Dec. 27, 1919, to June 25, 1929, see Public Health Reports for June 25, 1920. The tables of epidemic diseases are terminated semiannually and new tables begun.

Reports Received from June 26 to July 9, 1929—Continued.

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt		·		Jan. 1-May 20, 1920: Cases, 241
Cities—		1		deaths, 138.
Suoz	May 13-13	. 10	5	Three cases pneumonic.
Provinces—	· · ·	1		
Assiout	May 15-18	. 5	3	
Kench	May 18	. 1		
Minich	May 15	. 2	1	Septicemic.
reat Britain:	'	1		1
Liverpool	June 26	. 1		•
reece:	i	1		
Pirous		. 1		,
ndia		.1		Apr. 18-May 8, 1920: Cases, 6,522
Bombay	Apr. 18-May 15	. 52	44	deaths, 5,254.
Calcutta	May 2-15	. 19	13	Report for May 8 not received.
Karachi	May 9-32	. 34	28	
Madras Presidency	do	45	34	
Rangoon			30	•
ido-China:		1	"	· · · · · · · · · · · · · · · · · · ·
Saigon	May 10-16	. 1	1	
Va:		1 -	•	
East Java				Apr. 15-21, 19.0: Cases, 4; deaths
,		1		3. Surabaya Residency.
exico:				
Vera Cruz	June 14–20	. 11	1	
eru			Ī	Mar. 1-31, 1920: Cases, 46; deaths
Callao		. 6	3	29. Apr. 1-30, 1920: Cases, 36
Do			4	deaths, 13. In coastal depart
Lima (city)] 3	ments.
Do	Apr. 1–30		4	monw.
Lima (country)	Mar. 1-31		l íl	
Do	Apr. 1–30		l • 1	
Mollendo	Mar. 1-31		9	
Paita	do		Ž	-
Do	Apr. 1–30.	2	- 1	
Salaverry			3	
Do	Apr. 1-3)		ı "I	
San Pedro			1	
Truillo		5	2	
Do			ı îl	
iam:			• •	
Bangkok	Apr. 25-May 1	. 3	3	
traits Settlements:	Apr. 20-1103 1	1 3	· °	•
	do	4	4	
nmgohore	·····[······uu·········	2	7 1	

SMALLPOX.

Algeria: Departments— Algiers Oran.	May 11-31do.	16 30		Data for departments of Con- stantine and South Territories not available. City of Algiers, Apr. 1-30, 1920: One case.
Brazil:			ł	
Bahia	Apr. 25-May 22	3	3	
Pernambuco	Mar. 29-Apr. 11	23		
Rio de Janeiro	May 9-22	3		
Canada:	,			
Alberta-				
Calgary	June 3-9	1		
Manitoba—	•			
Winnipeg	May 29-June 5	3		
New Brunswick—	•			
Gloucester	May 31-June 5	1		
Nova Scotia—	· .			·
Sydney	do	2		
Ontario—	_ '			
Kingston	June 6-19	3		
Hamilton	June 13-19	2		•
Ottawa	June 6-23	32		
North Bay	June 23-29	1		
Peterborough	Apr. 18-June 19	26		
Toronto	June 6-19	13		4
Quebec—				
Montreal	June 13-19	1		

Reports Received from June 26 to July 9, 1920—Continued.

SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Saskatchewan—	June 13-19	1		ĺ
Regina	l .	1 *		
Colombo	May 9-15	. 1		# -\$ - \$ - \$ -
Chile: Antofagasta	May 17-23	1		One case in interiori.
China:	1	1		-016-1
AmoyAntung	May 2-20	2	6 2	
Chun;king	May 2-20. May 9-30. May 2-22.			Present.
Foothow	Мау 9-22			Do.
Nanking Tsinanfu	do	i		Do.
Chosen:	:	i		r (
Chemulpo Do	Mar. 1-31 Apr. 1-30	22 18	10 11	*
Fusan	Mar. 1-31	7	2	
Do Seoul	Apr. 1-30	6	3	
Do	Mar. 1-31 Apr. 1-30	120 109	45 18	
Colombia:				_
Barranquilla Santa Marta	May 16-29 May 31-June 5	• • • • • • •		Do. Do.
Egypt: Alexandria			**********	20.
Alexandria Cairo	May 14-27 Apr. 2-8	26 4	10	
Port Said	do	6	2	•
France:		_		
BrestGreat Britain:	May 15-21	1	•••••	
Glasgow	May 25-June 12	84	16	
Greece: Saloniki	Apr. 12-18	1		War 10 92: Doothe 4
India		1		May 10-23: Deaths, 4. Apr. 11-24, 1920: Deaths, 2,775.
Bombay	Apr. 26-May 1	32	12	May 9-15, 1920: Cases, 26; deaths,
Karachi	May 2-15 May 9-22	82 6	74 5	11.
Madras	do	1ĭ	5	
RangoonIndo-China:	Apr. 25-May 8	13	4	• .
Saigon	May 10-16	7	2	
Italy:	_		-	To Domines
Genoa. Messina	May 17-23 May 9-23	12 57	6	In Province. Province, May 17-23, 1920: Cases,
Milan	Mar. 1-31	24	5	44; deaths, 6.
NaplesPalermo	May 23-29 May 11-June 1	4 7	1	
Japan:	_	• 1	•••••	
Kobe Taiwan	May 9-23 May 1-20	5	2	
Tokyo.	Apr. 21-May 10	10 5	. 5 4	• •
Java:	•	-	_	
West JavaBatavia	Apr. 16-May 5	5	·····i	Apr. 16-May 5, 1920: Cases, 53; deaths, 10.
Manchuria:		١	-	
Mukden	May 2-8	••••••	•••••	Present.
Guadalajara	May 1-31	1		
Mazatlan	May 19-25		1	
San Luis Potosi	May 31-June 6	••••••	1	
St. Johns	June 5-11	3		Reported at two other localities.
Portugal: Lisbon	May 16-June 5	1	3	
Russia:	May 10-June J	•••••	9	
Vladivostok	Jan. 1-Apr. 30	248	77	
Spain: Barcelona	May 19-June 12		4	
Valencia	May 23-June 5	7		
Vigo Switzerland:	May 31-June 6	••••••	1	
Geneva	May 9-15	7 .		ুন্ধ । ও প নতাত (
runis:		1		
Tunis	May 25-June 6	3	4	
Curkey:	1		I	

Reports Received from June 26 to July 9, 1920-Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:	1	1 .	i	
Departments—	35 35 35	1	J	·
Algiers	May 11-30			1
Constantine	May 21-30			
Oran	May 11-30	108		
Chile:	1	1		
Caleta Coloso	May 10-16		. 2	1
Valparaiso	May 2-22		. 9	1
Chosen:	35 1 4 00		١.	
Seoul	Mar. 1-Apr. 30	. 4	1	
Egypt:	1 4 14 05			ļ
Alexandria	Apr. 14-27		30	
Cairo	May 2-8	123	44	
Port Said	do		1	
Great Britain:	35 00 Tune 7	2		
Dublin	May 23-June 5	2		
Glasgow	May 30-June 5		1	
Greece:	A 10 10 '	126	7	
Saloniki	Apr. 12-18	120		
Mexico:	35 01 Toma 6	ł		·
Chihuahua	May 31-June 6		1	B
San Luis Potosi	June 8-14		•••••	Present.
Russia:		i	1	7 1 1 00 1000 0 1 001
Vladivostok		[Jan. 1-Apr. 30, 1920: Cases, 1,264;
m 1		1	1	deaths, 144.
Tunis:	35 04 7 0			
Tunis	May 24-June 6	14	2	
Turkey: Constantinople	May 16-22	14		
	YELLOW	FEVE	R.	•
			ı	
Brazil:		l		
Bahia	Apr. 25-May 22	3	l	
fexico:				
Vera Cruz	June 22		2	
Peru				Mar. 1-31, 1920: Cases, 128. Apr.
				1-30, 1920: Cases, 64.
Callao	Apr. 1-30	1		At quarantine station. From
		_		s. s. Huallaga,
Catacaos	Mar. 1-31	14		
Do	Apr. 1-30	2		
La Huaca	Mar. 1-31	9		
Morropon	Apr. 1-30	37		
Munueila	Mar. 1-31	12		
Do	Apr. 1-30	5		
Paita	Mar. 1-31	81		
Do	Apr. 1-30	14		
Piura	Mar. 1-31	ī		
Do	Apr. 1-30	4		
Salitral	Mar. 1-31	2		
Sullana	do	9		
Do	Apr. 1-30	i		
Salvador:	•	- 1		
Sonsonate	May 22-June 9	5	2	