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THE SIGNIFICANCE OF THE PROPORTION OF SEXES FOUND AMONG ANOPHELES IN VARIOUS RESTING PLACES

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There is a more or less general impression among field workers in malaria that the presence of a large proportion of males among Anopheles in a daytime resting place indicates nearness to a breeding If such should be the case, we would have in the proportion of sexes a valuable indicator of the location of breeding places and their For the past four years we have been accusnearness to dwellings. tomed to keep a record in our notes of the proportion of sexes and of the character of the resting places of Anopheles collected in a considerable variety of localities. Most of these collections were made in connection with studies in mosquito distribution and dispersal; but some of the more recent observations were made for the definite purpose of determining the significance of the proportion of sexes as regards the character of a resting place and its distance from a breeding place. It has seemed worth while to summarize our observations, and this is done in the accompanying tables.

In Table 1, which includes only Anopheles quadrimaculatus, our observations are classified according to the proportion of males found in each collection, and according to the type of resting place, regardless of its distance from the probable breeding place. In each observation the insects collected were identified in the laboratory. Since the sex percentages are calculated for each observation, the numbers included in them are of importance. No observation includes less than 10 Anopheles. Of the 300 observations contained in Table 1, 28.7 per cent include 10-24 Anopheles; 21.7 per cent, 25-50 Anopheles; 23.0 per cent, 51-100; 21.7 per cent, 101-500; and 6 per cent, over 500. In a general way, the different types of resting places are arranged in Table 1 according to the degree of accessibility, to the mosquitoes, of a source of blood.

The distribution of the observations in Table 1 indicates rather decisively that the more accessible the source of blood in a shelter the smaller the percentage of male *Anopheles quadrimaculatus* in it. In the seventh column under the heading "Resting places" are in-

cluded such places as hollow stumps and trees, spaces under bridges, empty buildings, and similar places not accessible to domestic animals. In such places the proportion of females containing blood as well as of females in general was relatively small. As regards the category "under human dwellings," nearly all of our collections were made under well-screened houses; and our series may show a smaller percentage of females than would a series including many of the poorer sort of dwellings.

Table 1.—Observations on Anopheles quadrimaculatus arranged according to the percentage of males in each observation and the character of the resting places

		Restin	ng places a	nd inciden	ce of obser	vations		
Per cent males	Barns known to house animals at night	Barns probably housing animals at night	In human dwell- ings	Under human dwell- ings	Chicken houses	Privies	Shelters with no con- venient source of blood	Total, all resting places
81-90 70-80 71-75 66-70 61-65 56-60 51-55 46-50 41-45 36-40 31-35 20-30 21-25 16-20 11-15 6-10 0-5		1 2 3 10 12 12 36	1 6 3 3 3	2 1 1 2 2 3 3 1	1 3 2 1 4 2 7	2 2 5 1 5 2 4 4 2	1 2 1 4 3 10 5 5 8 8 3 8 2 2 4 3	1 2 1 1 5 4 12 8 16 13 18 18 14 25 40 37 85
Number of ob- servations Number of mos-	81	76	14	19	20	25	65	300
Average num- ber of mos-	14, 013	3, 852	1, 074	944	4, 963	6, 534	3, 191	3 4, 571
quitoes per observation Per cent males	173. 0	50. 7	76. 7	4 9. 4	248. 1	261. 3	49. 0	115. 2
in each group	6. 7	13. 1	11. 2	28. 1	17. 8	31. 2	46.0	

In Table 2 Anopheles quadrimaculatus and Anopheles crucians are compared as regards the proportion of males found in different resting places. The total number of observations is less than that of Table 1, since only those observations are included in which both species occurred in the same resting place at the same observation. In our series the number of Anopheles crucians per observation was usually smaller than that of Anopheles quadrimaculatus. It also appears from Table 2 that the proportion of males of Anopheles crucians was generally smaller than that of Anopheles quadrimaculatus, and that this discrepancy was especially marked in occupied barns, where males of Anopheles crucians were found in only 3 out of 95 collections (total, 6 males to 548 females, or 1 male to 91 females); whereas in the case of Anopheles quadrimaculatus males occurred in 59 out of 95

collections (total, 699 males to 10,563 females, or 1 male to 15 females). No explanation occurs to us for the fewness of males of Anopheles crucians in blood-providing resting places, unless possibly Anopheles crucians is a comparatively "wild" species, and only females strongly attracted by blood seek resting places commonly frequented by the more domesticated Anopheles quadrimaculatus. Our observations were made almost wholly in fresh-water regions. Along the coast, where Anopheles crucians are often aggressive biters, different proportions of species and sexes might occur in resting places.

Table 2.—Observations on Anopheles according to the percentage of males in each observation and the character of the resting place.—A. crucians and A. quadrimaculatus compared

		Resting places and incidence of observations											
Per cent males.	Barns known to house animals at night		prol hot anin	Barns probably housing animals at night		In human dwellings		Chicken houses		Under human dwellings		Shelters with no convenient source of blood	
	Quad	Cru- cians	Quad	Cru- cians	Quad	Cru- cians	Quad	Cru- cians	Quad	Cru- cians	Quad	Cru-	
50-100 41-50 31-40 21-30 16-20 10-15 8-9 9-7 4-5 2-3		2	2 8 7 14 3 5 7	2 3 2 2 1 2 2 2 5	1 4	1	2 1		3 2 3 3 1 2	3 1 1 3 3	16 3 10 4 3 2 1 2	10	
)	11	92	21	52	1	6		5			5	1	
Number of observations Number of mosquitoes	95 11, 262	95 554	74 3, 556	74 2, 909	7 420	7 16	921	5 18	15 822	15 554	47 1, 287	41 55-	

In addition to the data given in Tables 1 and 2, certain special observations also indicate the relation between the character of a shelter and the proportion of sexes found in it.

In the course of some tests comparing man with domestic animals as an attraction for Anopheles, man-baited and pig-baited traps and a control trap with no animal bait were arranged at points equidistant from an Anopheles' breeding place. The average of four nights' observations gives a female percentage of from 92 to 100 per cent for both Anopheles quadrimaculatus and Anopheles crucians in the traps which had a source of blood, while the control trap gave only 50 to 54 per cent of females.

¹ Barber, M. A., and Hayne, T. B.: Public Health Reports, Vol. 39, No. 4, 1924, pp. 139-144.

A series of 5 daily observations were made in a barn which housed horses at night. The percentage of males ranged from 6.0 to 11.4 per cent on different days, and averaged 8.5 per cent. Later in the season this barn was converted into a chicken house, while remaining at the same distance from a breeding place—an irrigated rice field. As a chicken house the building apparently afforded less attraction for female *Anopheles*; for a series of six daily observations, made only three weeks after the first series, showed a male percentage which varied on different days from 13.1 to 29.6 per cent, and averaged 21.4 per cent.

The preponderance of females in blood-providing resting places is, of course, due to the fact that only females seek blood, and, once becoming engorged, they tend to remain during the following day in the shelter most convenient to the source of blood. During the warm months of the year and in localities where there is an abundance of shelters, there would not seem to be any other reason for their preference for occupied barns or dwellings. Probably the "wilder" the species, the less likely that females would remain in barns or dwellings after biting. It would be worth while to compare different species of Anopheles to determine whether the proportion of males found in blood-providing resting places is any indicator of the degree of domestication of a species.

In our series the numbers of $Anopheles\ punctipennis\ were\ too\ small$ to be of much significance.

Table 3.—Observations on A. quadrimaculatus arranged according to the percentage of males, the character of the resting places, and their distance from a breeding place

Resting place and dis-		Percentage of males and incidence of observations													
tance from a breeding place	0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-7
Shelters with no convenient source of blood: 0-100 yards.			1		1	3		3	4		1	1			
101-220 yards		;-						1		1	1		1		
In human dwellings: 0-100 yards 101-220 yards 440 yards	1	3	4	1				1							
Barns known to house animals at night: 0-100 yards 101-220 yards	14 10	7 3	3	2	1										
410 yards 880 yards	4	1	$\frac{2}{2}$	1	î		1	1	1						
1, 000 yards 34-mile	3		ĩ	1			î								
1, 200 yards	3	2	3	1						1					

In Table 3 observations are arranged according to percentage of males and distance from the probable breeding place. This table includes all the observations appearing in Table 1 in which the dis-

tance from a probable breeding place was known. Data for certain types of shelters are omitted either because of too few observations or because of too little variety in distance from a breeding place. In the case of privies, nearly all of the observations were made in places within 150 yards of a breeding place. The percentage of males in the different collections made at that distance was practically that shown in Table 1 for all distances. Practically the same statement can be made for our comparatively few observations made under occupied dwellings. Considering the three types of resting places included in Table 3, in barns housing animals the percentage of males shows a tendency to increase with increased distance, especially when we compare distances up to 220 yards with those of 440 and 880 yards. At 1,200 yards, however, evidence of such correlation ceases; and there is certainly no constant tendency in any category for the proportion of either sex to increase with distance. In human dwellings and in shelters not providing a source of blood, the number of observations is small, and these groups are included in order to show the great variety in the percentage of males found at a given distance. Repeated observations made in a certain occupied cabin situated within 150 yards of an irrigated rice field gave during the same season, percentages of male Anopheles quadrimaculatus varying from 2.5 to 16.3 per cent.

It is not always easy to determine the breeding place which most largely contributes to the population of a given shelter. In our observations, mostly made in an irrigated, rice-growing district, determinations were made easier during two seasons by droughts which eliminated nearly all breeding places except those in irrigated fields. In any case, the distances taken as a whole were determined definitely enough to bring out any marked correlation, should any exist, between sex proportions and distance.

All of the observations included in Tables 1, 2, and 3 were made during the warm months of the year, when the proportion of females was not affected by winter conditions. A series of observations carried or during several winters would indicate that in winter as well as in summer, females are especially attracted to shelters containing a source of blood. Pig traps would contain females almost exclusively, while many males could be found in the near-by woods (Georgia, January and February, 1921). As we have stated in a previous paper,² winter breeding of *Anopheles* may be going on, although very few or no males can be found in blood-providing resting places.

¹ Barber, M. A., Komp, W. H. W., and Hayne, T. B.: Public Health reports 3, vol. 39, No. 6, 1924, pp. 231-246.

SUMMARY

Our observations show clearly that the character of a resting place of Anopheles is an important factor in determining the proportion of the sexes found in it—the more accessible the source of blood, the larger the percentage of females—and this factor seems to be more important in the case of Anopheles crucians than in the case of Anopheles quadrimaculatus. Distance from a breeding place would seem to be a minor factor in our series, even if it operated at all.

It is to be kept in mind that the habits of Anopheles may show great variations according to locality; and it may be that under certain conditions the proportion of sexes would be a more reliable indicator of distance from a breeding place than it appears to be in our series. In a large proportion of our observations where the distance from a breeding place is recorded, the breeding was taking place in irrigated rice fields. It may be that in the case of a more restricted breeding area the proportion of the sexes would show some relationship to distance. Absence of any but blood-providing shelters might also increase the proportion of males in them. In any case, in determining the relation of distance from breeding place to the proportion of sexes found, the character of the resting place must be taken into consideration; and in view of the results of our observations it does not seem likely that a correlation of sex proportion and distance from a breeding place will be found sufficiently definite and universal to be a reliable guide to field workers.

CURRENT WORLD PREVALENCE OF DISEASE

REVIEW OF THE MONTHLY EPIDEMIOLOGICAL REPORT FOR NOVEMBER 15, 1924, ISSUED BY THE HEALTH SECTION OF THE LEAGUE OF NATIONS' SECRETARIAT

By DOROTHY WIEHL, Assistant Statistician, United States Public Health Service

The feature of the Monthly Epidemiological Report of the Health Section of the League of Nations for November 15, 1924, is an account of the epidemic in Japan of a "hitherto unidentified epidemic disease involving the central nervous system," an advance statement of which was reviewed in the Public Health Report for December 12, 1924, pages 3125–3129. Of interest in relation to this epidemic in Japan is a short survey of the present situation of the epidemic diseases of the central nervous system and of influenza presented in the Report for as many countries as possible.

Lethargic encephalitis.—"Lethargic encephalitis has been unusually prevalent in 1924 only in Great Britain and Ireland; smaller outbreaks have occurred in Italy and Sweden, but the disease has been less prevalent than during the previous years elsewhere in the European continent and in North America," states the Report. The

following summarization of notifications of lethargic encephalitis in European countries during 1923 and 1924 is taken from the Monthly Epidemiological Report:

Cases of lethargic encephalitis notified in various countries, 1923-1924

1923 1924 1923 1924 1923 1924 1923 1924 1923 1924 Jan. 25.	Four weeks ended—		nd and ales		(land cities)		Ireland lfast)	Switz	erland	It	aly
Feb. 23.	Tour weeks chaca	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924
Sweden Denmark Finland Czechoslovakia Lithuania	Feb. 23. Mar. 22 Apr. 19 May 17 June 14 July 12 Aug. 9 Sept. 6 Oct. 4 Nov. 1 Nov. 29	151 184 145 96 73 54 29 36 52 50 53	150 397 806 1,066 862 477 266 236 187	11 4 6 10 3 2	2 5 8 95 232 144 46 33 20	2 2 5 2 2 3 0 2 1 1	1 0 1 124 71 13 4 5	68 41 7 9 5 3 2 3 0 4 5	11 12 14 17 8 5 7 0 4	35 70 45 27 15 8 6 4 7 15	50 150 150 75 30 18 20 13
Month 1923 1924 1923	Total	1,038				20	,	203	j	277	
1923 1924 1923 1924 1923 1924 1923 1924 1923 1924 1923 1924 January		Swe	eden	Den	mark	Fin	land	Czechos	slovakia	Lith	uania
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Month	1923	1924	1923	1924	1923	1924	1923	1924	1923	1924
	January. February March April May June July August September October November December	154 93 39 22 19 25 17 16 16	63 43 25 19 11 14 22	23 21 7 5 2 5 3 2 6	10 14 17 8 6 7	29 12 6 1 1 1 2 1 2	5 6 6 3 3	100 85 44 14 18 6 5 3 6	9 22 25 8 5 8 0	12 30 21 9 0 0 0 0	0 4 3 0 0 0

This year's epidemic of lethargic encephalitis in Great Britain and Ireland, though "the most severe on record" from the point of view of its incidence, has been less fatal than former outbreaks; "the case fatality rarely exceeded 20 per cent, while in former outbreaks it has been nearly 50 per cent." Another difference pointed out is that the oculo-lethargic type was less common than in the earlier epidemics, and many cases were characterized by myoclonic symptoms. The accompanying graph reproduced from the Monthly Epidemiological Report shows the severity of the recent epidemic and the higher level of incidence still being maintained.

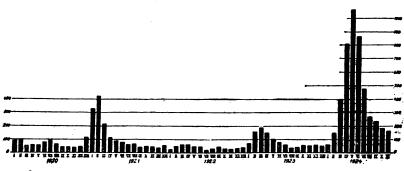
Acute poliomyelitis.—In the area where acute poliomyelitis is usually most prevalent, namely, in Scandinavia, Great Britain, and the United States, "although more cases have been notified than during the previous two years, the outbreaks have been far milder than the epidemics of 1911, 1912, and 1916." The severe outbreak

of poliomyelitis in Iceland, previously referred to in these reports, showed an incidence of about 2 cases per 1,000 population and a case fatality of 37 per cent, counting only the cases showing definite paralysis.

Epidemic cerebrospinal meningitis.—"Cerebrospinal meningitis has, in general, been less prevalent in 1924 than during the preceding years. Major outbreaks have been reported only from certain localities in Africa (Nigeria) and from Japan, where the above-mentioned epidemic appears to have been accompanied by a considerable number of true meningococcal meningitis" states the Report.

Influenza.—Although slight increases in influenza were indicated for a few countries, at the time when the Report went to press nothing unusual in the trend of the disease was suggested.

CASES OF LETHARGIC ENCEPHALITIS NOTIFIED IN ENGLAND AND WALES, JAN. 1920, TO OCT. 1924, BY PERIOPS OF FOUR WEEKS



Plague.—A serious epidemic of plague is reported from Nigeria, and the latest reports showed the number of cases still to be increasing. The first case is said to have occurred in July, followed by sporadic cases in August. The figures for September and October follow:

Cases of plague notified in Nigeria

Week ended—	Cases	Deaths
September, 8	6 30 63 104 150 204	6 29 62 93 135 172

The plague situation in general continues relatively favorable. In the Far East, India showed a slight increase in August over July, the month of the "annual minimum incidence." In Java the number of deaths from plague has increased steadily since June; 584 deaths were reported in the two weeks from September 9–22. In Hongkong, states the Report, "no case of plague has occurred for a whole

year, a circumstance which is unique in at least 20 years' experience." An account of the plague outbreak in California has already appeared in the Public Health Reports.

Cholera.—The second wave of cholera in India this year, which started toward the end of July, appears to have culminated in August. The decline was most marked in the Province of Bihar and Orissa, where 455 deaths from cholera were reported during the week September 21–27, as compared with 3,341 in the week August 3–9. Outside of India, cholera notifications in Asia were limited to sporadic cases.

Smallpox.—"The smallpox situation remains favorable in the greater part of Europe" states the Report. In Spain the number of deaths from smallpox has been increasing since May; 127 deaths were reported in August as compared with 75 in July and 38 in June.

The rapid decline of the smallpox incidence in the United States continued into August, but an increase in notifications is noted in September.

The largest increase in smallpox is indicated for Java, where 900 cases were reported for the 4 weeks ended September 6 as against 490 in the previous 4 weeks ended August 9.

Enteric fever and dysentery.—The usual autumn increase in enteric fever is found in the reports of most countries. The excess incidence in the Baltic region, which was noticeable during August, became more marked in September.

Dysentery has been prevalent chiefly in the countries of central and eastern Europe, and is relatively rare in western and northern Europe. It has been more prevalent in Poland this year than in 1923, but less so than in 1922. Germany, Czechoslovakia, and Italy show an improvement over last year.

Scarlet fever and diphtheria.—No serious epidemics of either scarlet fever or diphtheria were indicated in the September and October returns, though marked seasonal increases were shown for a number of countries.

Malaria.—Malaria incidence in Russia for the five months, January-May, 1924, is given for each of the official geographical regions of Russia in the Report and compared with the incidence for the same period in 1923. A shifting of the most intensely infected areas from the Volga towards the Don and the Dnieper is indicated.

DEATH RATES IN A GROUP OF INSURED PERSONS

COMPARISON OF PRINCIPAL CAUSES OF DEATH, OCTOBER AND NOVEMBER, 1924, AND NOVEMBER AND YEAR, 1923

The accompanying table is taken from the Statistical Bulletin for December, 1924, published by the Metropolitan Life Insurance Co., and presents the mortality experience of the industrial department of the company for November, 1924, as compared with October, 1924, and November, 1923. The rates are based on a strength of approximately 15,000,000 insured persons.

The death rate for this group continued low in November. The Bulletin states:

The November death rate of 7.8 per 1,000 is the lowest ever recorded for that month among Metropolitan industrial policyholders.

The November record for every important cause of death is favorable, and particularly so for typhoid fever, for the principal epidemic diseases of childhood, tuberculosis, organic heart disease, pneumonia, and puerperal diseases. Among deaths due to violent causes, suicides, and automobile accidents showed increases both over October, 1924, and November of last year. There were also more homicides than in October, but there was a decline in the rate as compared with November, 1923. For all accidents combined, the rate decreased both from the October figure and from that for November of last year.

Death rates (annual basis) for principal causes per 100,000 lives exposed, October and November, 1924, and November and year, 1923

[Industrial	department	Metropolitan	Tife Incuran	oo Co l
i i ii du de di iai	department.	MCHODOMIAN	Line misman	ce CO.I

	Rate	per 100,00	0 lives expo	sed 1
Cause of death	November, 1924	October, 1924	November, 1923	Year 1923
Total, all causes	776. 5	832.7	835. 2	928. 2
Typhoid fever		6. 2	5.0	5. 1
Measles		.8	2.3	9. 5
Scarlet fever	3.6	1.7	3.5	4.4
Whooping cough	4. 7 13. 5	4.8 11.0	5.8 17.6	7. 4 15. 5
DiphtheriaInfluenza		5.7	7.9	30. 3
Tuberculosis (all forms)		90.6	88.9	110. 1
Tuberculosis of respiratory system-	71.7	80.4	80.9	99. 7
Cancer		69.6	69.9	71.8
Diabetes mellitus	12.6	15.3	12.6	16. 0
Cerebral hemorrhage		58. 1	54.9	61. 2
Organic diseases of heart	106. 7	113. 9	117.6	127. 3
Pneumonia (all forms)	69. 1	56. 1	76. 2	83. 9
Other respiratory diseases	11.9	12.5	14.2	13. 9
Diarrhea and enteritis	26. 7	48. 0	27. 4	28. 2
Bright's disease (chronic nephritis)	58. 2	62.3	61.0	68. 8
Puerperal stateSuicides		14. 7 7. 2	14. 0 5. 9	17. 7
Suicides	7.7	7. 2	8.9	7. 3 7. 3
Other external causes (excluding suicides and homicides)		61.4	59.6	62. 9
Traumatism by automobile	17. 0	16. 9	16.5	15. 3
All other causes	166. 2	185. 7	182.0	179. 4

¹ All figures include infants insured under 1 year of age.

UNITED STATES CIVIL SERVICE EXAMINATIONS

The United States Civil Service Commission announces the following open competitive examinations:

PHYSIOTHERAPY AID-PHYSIOTHERAPY PUPIL AID-PHYSIOTHERAPY ASSISTANT

Examinations for the above-named positions will be held throughout the country on February 18, March 25, April 22, May 20, and June 24, 1925. They are to fill vacancies in the United States Veterans' Bureau and in the United States Public Health Service, at entrance salaries ranging from \$720 to \$1,320 a year.

The duties of physiotherapy aids will consist of administering physiotherapy in its several branches—massage, electrotherapy, hydrotherapy, mechanotherapy, thermotherapy; active, passive, resistive, and assistive exercises and remedial gymanstics; keeping daily record of the work and progress of each and every patient coming under direction and treatment; making the required reports of the activities of the reconstruction work in physiotherapy.

The duties of physiotherapy pupil aids will be the same as those for physiotherapy aid, except that they are pupils under the supervision and instruction of the chief aid in all the work above mentioned.

The duties of physiotherapy assistants will consist of administering to special cases the treatments of physiotherapy, as massage, electrotherapy, hydrotheraphy, thermotherapy, mechanotherapy; active, passive, assistive, and resistive exercises; remedial gymanstics; keeping a daily record of the work and progress of each patient under the appointee's direction and treatment; and making the required reports of the activities of the reconstruction work in physiotherapy.

GRADUATE NURSE-GRADUATE NURSE (VISITING DUTY)

Applications for graduate nurse and graduate nurse (visiting duty) will be rated as received until June 30, 1925. The examinations are to fill vacancies in the United States Veterans' Bureau and in the Indian and Public Health Service, at entrance salaries ranging from \$1,020 to \$1,680 a year.

Applicants for the position of graduate nurse must have been graduated at a recognized school of nursing requiring a residence of at least two years in a hospital having a daily average of 30 patients or more, giving a thorough practical and theoretical training, and must show evidence of State registration.

Applicants for the position of graduate nurse (visiting duty) must meet the requirements for graduate nurse, and in addition must have had at least four months' postgraduate training in public health or visiting nursing at a school of recognized standing, or in lieu of such training, one year's experience under supervision in public health or visiting nursing.

Competitors will not be required to report for examination at any place, but will be rated on their education, training, and experience.

DIETITIAN

Applications for dietitian will be rated as received until June 30, 1925. The examination is to fill vacancies in the Veterans' Bureau and the Public Health Service, at entrance salaries ranging from \$1,020 to \$1,680 a year.

The duties of the position are to purchase the food supplies for all messes operated in the hospital; to plan all menus, both for patients on ordinary diets and those on diets with reference to special diseases; and to supervise the preparation and serving of all dietaries in the hospital, both to patients and personnel.

Competitors will not be required to report for examination at any place, but will be rated on their education, training, and experience.

Full information and application blanks may be obtained from the United States Civil Service Commission, Washington, D. C., or the secretary of the board of United States civil-service examiners at the post office or customhouse in any city.

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 WEEKLY STATE REPORTS

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

Reports for Week Ended January 10, 1925

	ALABAMA		CALIFORNIA	
	,	ases		ases
			Diphtheria	
			Influenza.	
			Lethargic encephalitis - Los Angeles	
			Measles	
			Plague (bubonic)—Los Angeles	. 1
			Poliomyelitis:	
			Los Angeles	
			Sacramento	
			Scarlet fever	158
- · · ·			Smallpox:	
			Los Angeles	
			Los Angeles County	
			Oxnard	
	 		Scattering	
	. 	7	Typhoid fever	19
Whooping corsh		14	COLORADO	
	ARIZONA		COLORADO	
Chicken nov	ARIZONA	6	(Exclusive of Denver)	
		2	Chicken pox	46
	litis.	1	Diphtheria	3
		14	Measles	
		19	Mumps	34
		19	Pneumonia	5
		13	Scarlet fever	6
		8	Smallpox	1
		1	Tuberculosis	78
Tuberculosis		1	Whooping cough	7
	ARKANSAS			
Cerebrospinal men	ingitis	1	CONNECTICUT	
		27	Cerebrospinal meningitis	3
Diphtheria		2	Chicken pox	121
		12	Diphtheria	52
Influenza		151	German measles.	34
Malaria		19	Influenza	3
		42	Lethargic encephalitis	1
		31	Measles	36
Pellagra		2	Mumps.	42
		13	Pneumonia (all forms)	114
		11	Poliomyelitis	1
		7	Scarlet fever	_
		14	Septic sore throat	4
		22	Tetanus	i
		(11		-

CONNECTICUT—continued	7	INDIANA—continue1	_
	Cases	-	lases
Tuberculosis (all forms)			. 120
Typhoid fever			. 7
Whooping cough	- 108		. 14
DELAWARE		Poliomyclitis-Rush County	. 1
Chicken pox	. 3	Scarlet fever:	
Diphtheria	_	Allen County	. 15
Influenza	. 2	Elkhart County	13
Measles		Huntington County	
		Lake County	
Scarlet fever		Kosciusko County	9
Tuberculosis		Marion County	12
Whooping cough	. 3	St. Jeseph County	33
FLORIDA		Scattering	76
Diphtheria	9	Smallpox:	10
Influenza		Marion County	07
Malaria		Continuing	25
Pneumonia		Scattering Tuberculasia	46
Scarlet fever		Tuberculosis	34
		Typhoid fever	15
Typhoid fever	. 5	Wheoping cough	21
GEORGIA		IOWA	
Chicken pox	23	Diphtheria	19
Conjunctivitis (infectious)		Scarlet fever.	
Diphtheria		Smallpox	
Dysentery	2	Cinampos	61
Hookworm disease	2	KANSAS	
Influenza		Comphania I manination	_
Malaria		Cerebrospinal meningitis	1
Mum ₁ 's	-	Chicken pox.	181
Pneumonia		Diphtheria	
		Influenza	11
Smallpox		Measles	2
Tuberculosis	7	Mumps	379
Typhoid fever		Pneumonia	47
Whooping cough	3	Scarlet fever	95
TI TINOTO		Septic sore throat	1
ILLINOIS		Smallpox	8
Cerebrospinal meningitis—Cook County	4	Tuberculosis	22
Diphtheria:		Typhoid fever	3
Cook county	88	Whooping cough	23
Madison County	8		
Scattering	-	LOUISIANA	
Influenza		Cerebrospinal meningitis	1
Lethargic encephalitis—Cook County	2	Diphtheria	14
Measles		Influenza.	
Pneumonia			33
Scarlet fever:	921	Malaria	4
Cook County	01-	Pneumonia	48
		Peliomyelitis	1
Kane County		Scarlet fever	21
La Salle County	14	Smallpov	41
St. Clair County		Tuberculosis	37
Vermilion County	8	Typhoid fever	26
Scattering	148	MAINE	
Smallpox:		Chicken pox	46
Madison County	8	Diphtheria	9
Scattering		Influenza	
Tuberculosis	176	Measles	13
Typhoid fever	27	Mumps	6
Whooping cough	301	Pneumonia	67
TEMAKA	i		13
INDIANA Chieken nov	9-9	Poliomyelitis	1
Chicken pox	3,3		34
=		Smallpox	1
Allen County		Tuberculosis	13
Marion County	20	Typhoid fever	7
Scattering	36	Vincent's angina	6
Influenza	79	Whooping cough	8

MARYLAND 1		MISSISSIPPI	
C	ases		ases.
Chicken pox		Diphtheria	
Diphtheria		Scarlet fever	
German measles		Smallpox Typhoid fever	
Impetigo contagiosa	. 1	Typnoid lever	10
Influenza		MISSOURI	
Let hargic encephalitis Measles			
Mumps		Cerebrospinal meningitis	
Ophthalmia neonatorum		Chicken pox	
Pneumonia (all forms)		Diphtheria Influenza Inf	
Poliomyelitis		Measles	
Scarlet fever		Mumps	
Septic sore throat	_	Pneumonia	
Tetanus.		Scarlet fever	
Tuberculosis	54	Septic sore throat	
Typhoid fever		Smallpox	
Whooping cough	54	Tuberculosis	60
MASSACHUSETTS		Typhoid fever	
		Whooping cough	. 7
Cerebrospinal meningitis			
Chicken pox		MONTANA	
Conjunctivitis (suppurative)		Diphtheria	
Diphtheria		Scarlet fever	
DysenteryGerman measles		Smallpox	
Hookworm disease		Typhoid fever	1
Influenza.		NEW JERSEY	
Lethargic encephalitis		-	945
Measles		Chicken pox	
Mumps		Influenza	
Ophthalmia neonatorum		Measles	
Pneumonia (lobar)		Paratyphoid fever	
Poliomyelitis		Pneumonia	
Scarlet fever		Scarlet fever	
Septic sore throat		Smallpox	4
Tetanus		Trachoma	1
Trachoma		Typhoid fever	
Tuberculosis (all forms)		Whooping cough	224
Typhoid fever		NEW MEXICO	
Whooping cough	99	Chicken pox	73
MICHIGAN		Diphtheria	
Diphtheria	85	German measles	1
Measles		Influenza	2
Pneumonia	146	Measles	30
Scarlet fever	312	Mumps	4
Smallpox		Pneumonia	20
Tuberculosis		Scarlet fever	8
Typhoid fever.		Tuberculosis	14
Whooping cough	104	Typhoid fever	4
MINNESOTA		NEW YORK	
Carebranial maningitie	1	(Exclusive of New York City and Rochester	٠,
Cerebrospinal meningitis		Cerebrospinal meningitis	, ı
Chicken pox		Diphtheria	129
Lethargic encephalitis		Influenza	
Measles		Lethargic encephalitis	3
Pneumonia	8	Measles	258
Poliomyelitis		Pneumonia	
Scarlet fever		Poliomyelitis	4
Smallpox	98	Scarlet fever	282
Tuberculosis	48	Smallpox	15
Typhoid fever	1	Typhoid fever	
Whooping cough	46	Whooping cough	266

¹ Week ended Friday.

NORTH CAROLINA		TEXAScontinued	
	Cases	C	ises
Cerebrospinal meningitis			21
Chicken pox			1
Diphtheria German measles			64
Measles		VERMONT	
Scarlet fever		Chicken pox	51
Septic sore throat		Diphtheria	3
Smallpox		Measles	8
Typhoid fever	2	Mumps	76
Whooping cough	90	Scarlet fever. Typhoid fever.	5 2
ОКІАНОМА		Wheoping cough	6
(Exclusive of Oklahoma City and Tul-	sa)	WASHINGTON	
Diphtheria	14		136
Smallpox		Diphtheria	
Typhoid fever	31	Measics	68
OREGON		Mumps	42
Chicken pox	32	Pneumonia	7
Diphtheria:	02	Scarlet lever.	57
Portland	12	Smallpox	
Scattering		Tuperculosis	21
Influenza	9	Whooping cough	5
Lethargic encephalitis			15
Measles		WEST VIRGINIA	_
Mumps		Diphtheria	9
Pneumonia		Scarlet feverSmallpox	19
Scarlet fever	22	Typhoid fever	10 4
Portland	17		*
Scattering		WISCONSIN Milwaukee:	
Tuberculosis		1	91
Typhoid fever			18
Whooping cough		German measles	
SOUTH DAKOTA		Influenza	2
	00	Lethargic encephalitis	1
Chicken pox Diphtheria		Measles	247
Measles		-	53
Mumps		Pneumonia	5
Pneumonia		Scarlet fever	26 7
Poliomyelitis	1	Smallpox Tuberculosis	23
Scarlet fever		Typhoid fever	1
Smallpox			37
Typhoid fever		Scattering:	
Whooping cough	12	Chicken pox 1	81
TEXAS		Diphtheria	41
Cerebrospinal meningitis	1		35
Chicken pox		Measles	
		Attimate	
Dengue	45	Mumps	
Diphtheria	65	Pneumonia	
Diphtheria	65 9	Poliomyelitis	1
Diphtheria Dysentery (epidemic) Influenza	65 9 473	Pneumonia	1 24
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis	65 9 473	Pneumonia	1
Diphtheria Dysentery (epidemic) Influenza Lethargie encephalitis Measles	65 9 473 1	Pneumonia	1 24 50
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps	65 9 473 1 85	Pneumonia Poliomyelitis Scarlet fever 1 Smallpox 7 Tuberculosis Typhoid fever	1 24 50 15
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever	65 9 473 1 85 32 1	Pneumonia. Poliomyelitis. Scarlet fever	1 24 50 15 3
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps	65 9 473 1 85 32 1	Pneumonia. Poliomyclitis Scarlet fever. 1 Smallpox Tuberculosis Typhoid fever. Whooping cough	1 24 50 15 3
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever Ophthalmia neonatorum	65 9 473 1 85 32 1 6	Pneumonia. Poliomyclitis Scarlet fever. 1 Smallpox Tuberculosis Typhoid fever. Whooping cough	1 24 50 15 3 50
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever Ophthalmia neonatorum Pellagra	65 9 473 1 85 32 1 6 61	Pneumonia. Poliomyelitis Scarlet fever	1 24 50 15 3 50
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever Ophthalmia neonatorum Pellagra Pneumonia Poliomyelitis Scarlet fever	65 9 473 1 85 32 1 6 61 2	Pneumonia Poliomyelitis Scarlet fever 1 Smallpox 1 Tuberculosis Typhoid fever 1 Whooping cough 1 WYOMING Chicken pox 1 Diphtheria 1 Measles 1 Mumps 1	1 24 50 15 3 50
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever Ophthalmia neonatorum Pellagra Pneumonia Poliomyelitis Scarlet fever Smallpox	65 9 473 1 85 32 1 6 61 2 31	Pneumonia Poliomyclitis Scarlet fever 1 Smallpox 1 Tuberculosis Typhoid fever Whooping cough WYOMING Chicken pox 1 Diphtheria Measles Mumps Pneumonia	1 24 50 15 3 50 36 4 2 1 5
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever Ophthalmia neonatorum Pellagra Pneumonia Poliomyelitis Searlet fever Smallpox Trachoma	65 9 473 1 85 32 1 6 61 2 31 10	Pneumonia Poliomyclitis Scarlet fever 1 Smallpox 1 Tuberculosis Typhoid fever Whooping cough WYOMING Chicken pox 1 Diphtheria Measles Mumps 1 Pneumonia Scarlet fever 1	1 24 50 15 3 50 36 4 2 1 5 7
Diphtheria Dysentery (epidemic) Influenza Lethargic encephalitis Measles Mumps Paratyphoid fever Ophthalmia neonatorum Pellagra Pneumonia Poliomyelitis Scarlet fever Smallpox	65 9 473 1 85 32 1 6 61 2 31 10	Pneumonia Poliomyclitis Scarlet fever 1 Smallpox 1 Tuberculosis Typhoid fever Whooping cough WYOMING Chicken pox 1 Diphtheria Measles Mumps Pneumonia	1 24 50 15 3 50 36 4 2 1 5

Reports for Week Ended January 3, 1925

DISTRICT OF COLUMBIA		NEBRASKA—continued	ases
Ca	ses		
Chicken pox	42	Scarlet fever	_ 18
Diphtheria	7	Smallpox	. 8
Influenza	2	Typhoid fever	. 1
Measles	2	Whooping cough	. 6
Pneumonia	27		
Scarlet fever	33	NORTH DAKOTA	
	18	Chicken pox	. 11
Tuberculosis	18	Diphtheria	2
Typhoid fever	9	· -	
Whooping cough	17	Measles	
THOOPING CONGRESSIONS	••	Pneumonia	. 5
NEBRASKA		Poliomyelitis	. 2
Chicken pox	18	Scarlet fever	45
Diphtheria	18	Smallpox	. 5
Influenza	1	Tuberculosis	. 2

SUMMARY OF MONTHLY REPORTS FROM STATES

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

State	Cere- bro- spinal menin- gitis	Diph- theria	Influ- enza	Ma- laria	Mea- sles	Pella- gra	Polio- my- elitis	Scarlet fever	Small- pox	Ty- phoid fever
November, 1924 South Carolina December, 1924	1	399	140	2	1			7	25	5
Arizona Arkansas Connecticut Georgia Indiana Maine	2 1 1	19 35 293 120 237 43	443 42 92 289 28	173 7	179 25 71 96	15	1 0 2 3 6	55 67 824 28 462 149	25 42 0 17	7 90 33 16 50 20

Number of Cases of Certain Communicable Diseases Reported for the Month of October, 1924, by State Health Officers

State	Chick- en pox	Diph- theria	Mea- sles	Mumps	Scarlet fever	Small- pox	Tuber- culosis	Ty- phoid fever	Whoop- ing cough
Alabama	42	284	20	79	117	103	156	207	104
Arizona	12	7	i	29	30	4	55	5	8
Arkansas	39	62	80	30	56	50	1 22	123	83
California	563	910	109	267	513	327	772	141	307
Colorado	270	100	8	28	105		264	30	18
Connecticut	90	173	24	44	247		143	29	204
Delaware	6	9	1	5	28		10	10	4
District of Columbia	10	38	5		58	1	115	16	21
Florida	1	86	4	14	9		119	52	11
Georgia	21	280	3	69	34	8	40	67	27
Idaho		9			17			32	i
Illinois	893	557	181	323	891	187	1, 237	176	641
Indiana		422		۱'	444			124	0.1
Iowa	22	94	1	23	130	64		(2)	3
Kansas	288	408	12	200	380	7	208	` 61	118
Kentucky 3									
Louisiana		85	14		25	19	1 140	98	12
Maine	66	37	10	97	94	1	36	45	172
Maryland	148	197	16	64	148	6	227	138	275
Massachuetts	352	583	250	155	742		582	64	231
Michigan	504	504	324	123	833	56	428	94	291
Minnesota	455	532	44	!	711	257	295	29	74
Mississippi	171	205	98	427	64	72	280	297	439
Missouri	94	386	16	25	733	12	186	107	62
Montana	43	56	7	8	87	38	55	22	9
Nebraska +									
New Hampshire 3									
New Jersey	498	361	102		361	3	460	80	588
New York	1, 103	981	495	363	850	34	1, 836	288	1, 377
North Carolina		1, 110	133		276	7.	=, 500	122	446

Pulmonary.
 Reports not required by law.
 Reports received weekly.

Reports not received at time of going to press.

⁵ Reports received annually.

Number of Cases of Certain Communicable Diseases Reported for the Month of October, 1924, by State Health Officers--Continued.

State	Chick- en pox	Diph- theria	Mea- sles	Mumps	Scarlet fever	Small- pox	Tuber- culosis	Ty- phoid fever	Whoop- ing cough
North Dakota	54	25	91	2	116	17	15	12	86
Ohio			106	263	1, 186	276	633	230	435
Oklahoma	11	127	10	3 1	74	16	16	191	43
Oregon	121	203	8	17	107	29	43	26	3
Pennsylvania	1,522	1, 109	617	780	1, 396	28	496	311	1,077
Rhode Island		76	1		45			10	
South Carolina		479	1	15	12	11		23	20
South Dakota	4.5	39	4		164	31	-1	25	28
Tennessee	71	176	20		144	52	88	161	115
Texas 3									
Utah	405	78	186	10	34	21	7	162	47
Vermont	80	22	45	48	21		1.8	6	60
Virginia	238	600	257		294	3	1 420	99	597
Washington	303	160	23	110 -	163	71	1.53	67	37
West Virginia	122	159	22		183	9	24	152	41
Wisconsin	600	282	200	130	462	54		28	422
Wyoming	49	3	18	26	27	9	2	7	19

^{. 1} Pulmonary.

Case Rates per 1,000 Population (Annual Basis) for the Month of October, 1924

State	Chick- en pox	Diph- theria	Mea- sles	Mumps	Scarlet fever	Small- pox	Tuber- culosis	Ty- phoid fever	Whoop- ing cough
Alabama	0, 20	1.37	0. 10	0.38	0. 56	0. 50	0.75	1.00	0, 50
Arizona	. 36	. 21	. 03	. 87	. 90	. 12	1.65	. 15	. 21
Arkansas	. 25	. 40	. 51	. 19	. 36	.32	1.14	. 79	. 53
California.	1, 70	2, 75	. 33	.81	1, 55	. 99	2, 33		. 93
Colorado	3. 17	1.18	.09	. 33	1. 23		3. 10	. 35	. 21
Connecticut	.71	1.36	. 19	. 35			1, 12	. 23	1, 60
Delaware	. 30	. 46	. 05	. 25	1.42		. 51	. 51	. 20
District of Columbia	. 27	1.03	. 13		1, 56	. 03	3. 10	. 43	. 65
Florida	.01	. 95	.04	. 15	. 10		1.31	. 57	. 12
Georgia	.08	1.09	.01	. 27	. 13	. 03	. 16	. 26	i . iī
Idaho		. 22			. 42			. 79	
Illinois	1. 53	. 96	. 31	. 55	1, 53	. 32	2.12	. 30	1, 10
Indiana		1.64			1, 73			. 48	
Iowa	. 10	. 45	.00	.11	. 62	. 30		(2)	.01
Kansas	1.88	2.67	. 08	1, 31	2, 48	. 05	1, 36	. 40	. 77
Kentucky 4							1	• • •	!
Louisiana		. 54	.09		. 16	. 12	1.89	. 62	. 08
Maine	1.00	. 56	. 15	1, 47	1, 42	. 02	. 54	. 68	2, 60
Maryland	1, 15	1, 53	. 12	. 50	1, 15	. 05	1, 76	1.07	2.13
Massachusetts	1.02	1, 69	. 72	. 45	2.15	. 00	1.69	. 19	. 67
Michigan	1.46	1.46	. 94	. 36	2.42	. 16	1. 21	. 27	
Minnesota	2.12	2.48	. 21	. 90	3, 32	1. 20	1, 38	. 14	35
Mississippi	1, 13	1, 35	. 65	2.82	. 42	. 47	1. 85	1. 96	2.89
Missouri	. 32	1. 32	. 05	.09	2.50	. 04	. 64	. 37	. 21
Montana	. 81	1.05	. 13	.15	1. 63	.71	1. 03	.41	. 17
Nebraska 1				• • •	2. 05		1.00	• • • •	• • • •
New Hampshire 3					,				
New Jersey	1.71	1. 24	. 35		1, 24	.01	1. 58	. 27	2.02
New Mexico						.01	1	;	
New York	1. 19	1.06	. 53	.39	. 91	.01	1.98	.31	1, 48
North Carolina	. 64	4.81	. 58		1. 20		1. 00	. 53	1. 93
North Dakota	. 94	. 43	1, 58	. 03	2.02	. 30	. 26	. 21	1. 49
Ohio	1.98	1. 22	. 20	. 50	2. 25	. 52	1. 20	. 44	. 83
Oklahoma	. 06	. 68	. 05	. 02	. 40	. 09	. 09	1. 02	23
Oregon	1, 71	2.87	.11	. 24	1. 51	. 41	. 61	. 37	.01
Pennsylvania	1. 95	1.42	. 79	1.00	1. 79	. 04	. 64	40	1, 38
Rhode Island		1.42		2.00	. 84	 i		. 19	
South Carolina		3. 21		. 10	.08	. 07		. 15	. 13
South Dakota	. 80	. 70	. 07	. 10	2. 93	. 55	. 07	. 45	. 50
Tennessee	. 35	. 86	. 10		.71	. 25	43	. 79	. 56
Tennessee Texas ³		.00				. 20	. 1.,		
Ctah	9.87	1.90	4, 53	. 24	. 83	. 58	. 17	3. 95	1.14
Vermont	2.68	74	1, 51	1.61	. 70		1 27	. 20	2.01
Virginia	1. 16	2.92	1. 25		1. 43	.01	1 2. 05	. 48	2.91
Washington	2.46	1. 30	. 19	. 89	1.32	. 58	1. 24	. 54	. 30
West Virginia	. 91	1. 19	. 16		1. 37	.07	. 18	1.14	. 33
Wisconsin	2. 56	1. 20	85	.55	1. 97	. 23	. 68	. 12	1, 80
Wyoming.	2. 67								4

³ Reports received weekly.

Pulmonary.
 Reports not required by law.
 Reports received weekly.

Reports not received at time of going to press.
 Reports received annually.

PLAGUE IN LOS ANGELES, CALIF.

A case of human plague which occurred in Los Angeles, Calif., January 6, 1925, was confirmed January 12, 1925.

RODENT PLAGUE IN OAKLAND, CALIF.

During the week ended December 27, 1924, plague infection was found in four rats captured in Oakland, Calif.

RODENT PLAGUE IN NEW ORLEANS, LA.

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

Diphtheria.—For the week ended December 27, 1924, 35 States reported 1,379 cases of diphtheria. For the week ended December 29, 1923, the same States reported 2,643 cases of this disease. One hundred and five cities, situated in all parts of the country and having an aggregate population of nearly 28,900,000, reported 831 cases of diphtheria for the week ended December 27, 1924. Last year, for the corresponding week, they reported 1,368 cases. The estimated expectancy for these cities was 1,361 cases of diphtheria. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Measles.—Thirty States reported 1,099 cases of measles for the week ended December 27, 1924, and 8,686 cases of this disease for the week ended December 29, 1923. One hundred and five cities reported 584 cases of measles for the week this year and 2,591 cases last year.

Scarlet fever.—Scarlet fever was reported for the week as follows: Thirty-five States—this year, 2,762 cases; last year, 3,436 cases. One hundred and five cities—this year, 1,354 cases; last year, 1,510 cases; estimated expectancy, 1,014 cases.

Small pox.—For the week ended December 27, 1924, 35 States reported 654 cases of small pox. Last year, for the corresponding week, they reported 645 cases. One hundred and five cities reported small-pox for the week as follows: 1924, 228 cases; 1923, 193 cases; es-

timated expectancy, 88 cases. These cities reported 26 deaths from smallbox for the week this year, 25 of which occurred at Minneapolis.

Tuphoid fever.—Three hundred and sixty-one cases of typhoid fever were reported for the week ended December 27, 1924, by 34 States. For the corresponding week of 1923 the same States reported 255 cases. One hundred and five cities reported 197 cases of typhoid fever for the week this year and 54 cases for the week last year. The estimated expectancy for these cities was 52 cases.

Influenza and pneumonia.—Deaths from influenza and pneumonia (combined) were reported for the week by 105 cities as follows: 1924. 931 deaths; 1923, 801 deaths.

City reports for week ended December 27, 1924

The "estimated expectancy" given for diphtheria, poliomyclitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence how many cases of the disease under consideration may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics, or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during nonepidemic years. If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1915 is included. In obtaining the estimated expectancy, the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

	Chin	Diph	theria	Influ	uenza				Scarle	t fever
Division, State, and city	Chick- en pox, cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported	Measles, cases reported	Mumps, cases re- ported	Pneu- monia, deaths re- ported	Cases, esti- mated expect- ancy	Cases re- ported
NEW ENGLAND										
Maine:							1	1	_	
Lewiston		1 2	1	0	0	1		4	1	1
Portland New Hampshire:	16	. 2	3	0	0	0	32	4	3	1
Concord	0	0	0	0	0	0	0	4	1	١.
Nashua	ŏ	Ö	ő	ŏ	ő	2	ŏ	2	i	1 0
Vermont:	,		v			-		-	•	U
Barre	0	0	0	0	0	0	4	0	1	2
Burlington	2	1	0	0	0	0	1	3	2	ē
Massachusetts:		:								
Boston	38	67	38	8	3	41	4	21	46	79
Fall River	3	4	5	0	0	0	0	1	3	1
Springfield	6	5	3	2	1	43	8	1	7	44
Worcester Rhode Island:	10	4	2	2	0	2	0	4	9	13
Pawtucket	0	3 '		0	0	0	0	1	1	
Providence	ŏ:	13	$\frac{2}{5}$	0	ő	ő	. 0	4	9	2 9
Connecticut:	0	191				U	. • i		,	9
Bridgeport	0	8	6	1	2	0	0	1	5	13
Hartford.	ĭ	ğ	11	ō	ō	ĭ	ĭ	ô	7	13
New Haven	17	7	î	ŏ	ŏ	25	Ô	5	6	28
MIDDLE ATLANTIC	i			_	-					
	i				;		1	1		
New York:	!				_		1			
Buffalo	17	31	8	2	1	43	4	6	22	20
Rochester	152	230	170	11	18	29	9	215	153	197
Syracuse	6	14 9	$\frac{3}{2}$	0	1	4 2	4	3	11	27
New Jersey:	10	9	- 1	0	0	4	1	7	12	10
Camden	6 :	4	3	0	0	7, 12	0	6	3	8
Newark	32	22	6	11	2	35	ĭ	10	18	19
Trenton	3	9	2	Ô	õ	8	ô	il	2	3
Pennsylvania:			- 1	- 1	- 1	-	"	- 1	- :	
Philadelphia	69	79	71.		3	46	24	75	53	105
Pittsburgh	67		27		2	56	15	28	25	56
Reading	7 .	6	2	0	0	0	4	0	1	0
Scranton	0	5	1 1	0	0	0	0 1	7	3	2

		Diph	theria	Infl	uenza				Scarle	t fever
Division, State, and city	Chick- en pox, cases re- ported	Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported	Mea- sles, cases re- ported	Mumps, cases re- ported	Pneu- monia, deaths re- ported	Cases, esti- mated expect- ancy	Cases re- ported
E. NORTH CENTRAL										
Ohio: Cincinnati Cleveland Columbus Toledo	16 69 13 25	19 42 8 12	6 31 3 16	2 7 0 0	4 4 1 0	1 1 0 1	1 4 0 0	9 15 7 3	12 35 8 15	12 27 9 14
Indiana: Fort Wayne Indianapolis South Bend Terre Haute	0 69 6 8	4 20 1 3	7 3 1 0	0 0	0 1 0 0	0 1 3 0	0 2 0 0	2 7 1 4	3 10 4 2	5 4 7 2
Illinois: Chicago Cicero Springfield Michigan:	83 1 3	167 3 2	69 0 5	8 0 1	7 0 0	101 1 0	8 0 0	71 5 0	134 1 1	137 2 1
Detroit Flint Grand Rapids Saginaw Wisconsin:	41 10 6 0	80 11 6 3	39 1 3 2	0 0 0 0	2 0 1 0	2 0 5 0	3 0 1 0	32 0 2 4	74 8 6 3	65 4 16 0
Madison Milwaukee Racine Superior	6 24 8 0	$\begin{bmatrix}2\\24\\2\\1\end{bmatrix}$	2 7 4 0	0 2 0 0	2 0 0	0 68 1 2	52 19 4 0	12 1 2	2 34 5 2	3 12 4 0
W. NORTH CENTRAL			.		,					
Minnesota: Duluth Minneapolis St. Paul	2 84 31	2 21 18	0 15 7	0 0 0	0 0 0	0 0 1	0 0 7	2 4 9	5 26 16	12 52 24
Iowa: Davenport Des Moines Sioux City Waterloo	3 0 4 2	1 5 3 0	0 7 0 0	0 0 0 0		0 0 0 1	0 0 1		2 8 3 4	0 2 0 1
Missouri: Kansas City St. Joseph St. Louis North Dakota:	10 3 26	14 4 81	3 3 42	3 0 0	3 0 0	0 0 3	1 0 3	12 2	12 3 30	49 1 80
Fargo	8	0	0	0		0	0	0	1	2 1
Aberdeen Sioux Falls Nebraska: Lincoln	0	1 2	0	0	0	0	0 '	0	2 2	0 1
Omaha Kansas:	8	6	4	0	0	Ö	0	9	6	2
Topeka Wichita	28 14	7	3	0	0	0	64 2	2 2	3	0 1
SOUTH ATLANTIC										
Delaware: Wilmington Maryland:	3	2	1	0	0	0	0	7	3	2
Baltimore Cumberland Frederick District of Colum-	0	37 1 2	32 1 0	43 0 0	2 0 0	2 0 0	3	30 1 0	25 1 0	21 1 0
bia: Washington Virginia:	21	20	7	4	3	4		18	19	28
Lynchburg Norfolk Richmond Roanoke	10 10 1 4	2 3 8 2	1 3 7 0	0 0 0	0 0 0	0 0 0	22 55 0 0	2 5 6 2	0 2 5 1	0 1 2 3
Vest Virginia: Charleston Huntington Wheeling	7 0 10	1 2 2	1 3 0	1 0 0	0	6 0 5	1 0 0	1 3	2 1 1	2 0 0

	Chick-	Dipht	theria	Influ	ienza			Pneu-	Scarle	t fever
Division, State, and city	en pox, cases re- ported	esti- mated	Cases re- ported	Cases re- ported	Deaths re- ported	Mea- sles, cases re- ported	Mumps, cases re- ported	monia, deaths re- ported	Cases, esti- mated expect- ancy	Cases re- ported
SOUTH ATLANTIC-										
continued North Carolina:										İ
Raleigh Wilmington	9 3	0	1 0	0	0 0	0	0	2 0	1	0
Winston-Salem South Carolina:	ī	1	1	Ö	Ŏ	ő	Ö	ĭ	î	ő
Charleston	1	2	1		1	0	0	0	0	2
Columbia Greenville	0	1 0	0	0	0	0	2 0	5	0	0
Georgia: Atlanta	0	4	4	1	1	0	0	14	5	3
Brunswick	0	0 2	3						0	l
Savannah Florida:	İ			0	0	0	2	2	1	0
St. Petersburg Tampa	0	0 2	1 2	0	0	0	0	0 2	0	0
EAST SOUTH				ĺ			ĺ		ļ	
CENTRAL Kentucky:								İ		
Covington	1	. 2	0	0	0	0	0	4	2	0
Louisville Tennessee:	5	11	2	0	. 1	0	1	4	5	4
Memphis Nashville	1 3	. 8	3	0	0 2	0	0	9	3	10 1
Alabama:	0	3	0	2						
Birmingham Mobile	1	1	ő	0	4 2	0	0	10 6	4 1	6 1
Montgomery		1							0	
WEST SOUTH CENTRAL										
Arkansas:	0	3	0	•					_	
Fort Smith Little Rock	0	2	0 0	0	1	0 2	0	2	1 2	2 3
Louisiana: New Orleans	6	14	9	10	2	0	0	16	3	6
Shreveport Oklahoma:	1		1	0	Ō	Ŏ	ő	7		ŏ
Oklahoma	2	2	2	. 0	1	0	o l	1	3	.2
Tulsa Texas:	6	4	0	0		0	0		2	1
DallasGalveston	10 0	11	8 0	0	0	1 0	0	$\frac{2}{2}$	2 0	1 0
Houston San Antonio		3 2	4 3	0	0	ő		5	2	1
MOUNTAIN	0	-	"	0	١	0	0	11	1	1
Montana:		,	!			İ	ļ			
Billings Great Falls	8	0	0	0	0	0	1 0	1	1	8
Helena Missoula	ŏ	0	0	ő	0 !	0	ŏ	1	0	0
daho:		i	-	1	0	0		0	1	2
Boise	2	0	0	0	0	0	0	0	1	0
Denver	17 9	10	11 2	0	1 0	0	33	16	9	9 1
New Mexico:			0			!	1	!	1	
Albuquerque Ari sona:	0	1	i	0	0	0 !	0	0	0	0
Phoenixtah;	0 !		2	0	0	0	0	5		0
Salt Lake City_ Sevada:	44	2	1	0	0	1 .	7	4	5	2
Reno	0	0	0	0	0	0	0	0	0	1
PACIFIC		İ	İ				-	ļ		
		1	i		1			:	- 1	_
Vashington:	36	6	12	0 !	. 1	I (111	,	7 (7
Vashington: Seattle	36 18	6 4	12	0		12	10 - 0 -		5	7 2
Vashington: Seattle Spokane Tacoma 'alifornia:		3	6 4	0	0	12 0		5	5 3	2
Vashington: Seattle	iS.	4	6	0	0 2 0	12	0	5 20 3 8	5	2

City reports for week ended December 27, 1924—Continued

•		s	mallp	ox	ls re-	Туј	phoid 1	lever	cases	
Division, State, and city	Population July 1, 1923, estimated	Cases, estimated expectancy	Cases reported	Deaths reported	Tuberculosis, deaths	Cases, estimated expectancy	Cases reported	Deaths reported	Whooping cough, reported	Deaths, all causes
NEW ENGLAND Maine:										
Lewiston Portland New Hampshire:	33, 790 73, 129	0	0	0	0	0	0 2	0	<u>2</u>	19 23
Concord Nashua Vermont:	22, 408 29, 234	0	0	0	0 2	0	0	0	0	13 10
Barre	1 10, 008 23, 613	0	0	0	0	0 0	0	0	0 1	3 11
Boston Fall River Springfield Worcester	770, 400 120, 912 144, 227 191, 927	0 0 0 0	0 0 0 0	0 0 0 0	17 1 0 3	1 0 0 0	1 1 0 1	0 0 0	14 0 3 0	237 33 22 46
Rhode Island: Pawtucket Providence	68, 799 242, 378	0	0 0	0	0	0	0	0	0 4	22 60
Connecticut: Bridgeport Hartford New Haven	1 143, 555 1 138, 036 172, 967	1 0 0	0 0 0	0 0 0	0 3 1	0 0 0	2 0 0	0. 0 0	0 2 4	33 32 37
MIDDLE ATLANTIC										
New York: Buffalo. New York. Rochester. Syracuse. New Jersey:	536, 718 5, 927, 625 317, 867 184, 511	1 0 0 0	0 0 0 0	0 0 0 0	2 92 4 0	1 12 1 1	3 96 3 0	0 15 1 0	19 75 0	145 1, 422 59 37
Camden	124, 157 438, 699 127, 390	0	0 0	0 0 0	2 5 0	1 1 0	0 2 2	0	0 43 6	24 106
Philadelphia Philadelphia Pittsburgh Reading Scranton	1, 922, 788 613, 442 110, 917 140, 636	0 1 0 0	1 0 0 0	0 0 0 0	42 12 4 0	3 1 1 0	4 3 0 3	0 0 3 0	39 3 .10	34 489 166 85
EAST NORTH CENTRAL Ohio:				Ì				-		
Cincinnati Cleveland Columbus Toledo Indiana:	406, 312 888, 519 261, 082 268, 338	1 2 0 1	0 0 2 1	0 0 0	7 14 12 4	1 1 0 0	0 3 0 0	1 0 0 0	3 9 0 6	150 173 79 61
Fort Wayne Indianapolis South Bend Terre Haute	93, 573 342, 718 76, 709 68, 939	0 3 0 1	0 14 0 5	0 0 0 0	2 7 0 0	1 0 0 0	3 1 0 0	0 0 0	0 4 0 0	21 87 8 20
Illinois: Chicago	2, 886, 121 55, 968 61, 833	1 0 1	0	0	35 1 0	4 0 0	15 0 0	3 0 0	107 1 0	627 11 25
Michigan: Detroit Flint Grand Rapids Saginaw	995, 668 117, 968 145, 947 69, 754	3 1 1 0	2 0 0	0 0 0	19 0 1 0	2 0 0 0	8 0 1 0	2 0 0	18 0 5 0	234 18 30 25
Wisconsin: Madison Milwaukee Racine Superior	42, 519 484, 595 64, 393 139, 671	0 2 1 2	0 1 3 0	0 0 0	6 1 1	0 1 0	0 2 0 0	0 0	5 4 1 0	6 107 7 10

Population Jan. 1, 1920.

²Pulmonary only.

		5	Smallp	ox	hs re-	Typ	ohoid f	ever	cases	
Division, State, and city	Popula- tion July I, 1923, estimated	Cases, estimated expectancy	Cases reported	Deaths reported	Tuberculosis, deaths re	Cases, estimated expectancy	Cases reported	Deaths reported	Whooping cough, reported	Deaths, all causes
WEST NORTH CENTRAL					1					
Minnesota: Duluth Minneapolis St. Paul	106, 289 409, 125 241, 891	1 8 13	0 60 6	0 25 1	0 5 5	0 1 1	0 1 0	0 0 0	1 0 2	19 97 65
Iowa: Davenport. Des Moines. Sioux City. Waterloo.	61, 262 140, 923 79, 662 39, 667	1 1 0 0	1 2 1 8			0 0 0	0 0 0 0		3 0 0	
Missouri: Kansas City St. Joseph St. Louis North Dakota:	351, 819	2 1 1	· 0 0 11	0	2 0 21	1 0 2	0 0 6	0 0 0	4 0 1	(0 31
Grand Forks South Dakota: Aberdeen	24, 841 14, 547 15, 829	1	0	0	0	0 0	0	0	0 0 0	8
Sioux Falls Nebraska: Lincoln		0	0	0	0	0	0	0	0	5
Omaha Kansas: Topeka	204, 382 52, 555	0	13 0	0	1	0	0 2 0	0	3 - 2	48 28
Wichitasouth atlantic	79, 251	0	0	0	0			U I	2	28
Delaware: Wilmington	117, 728	0	0	0	0	1	2	0	1	30
Maryland: Baltimore Cumberland Frederick	773, 580 32, 361 11, 301	0 0 0	0 0 0	0 0 0	14 0 0	3 0 0	1 1 0	1 1 0	20 0	204 17 0
District of Columbia: Washington Virginia:	¹ 437 , 571	0	0	0	10	1	5	1	7	148
Lynchburg Norfolk Richmond Roanoke	30, 277 159, 089 181, 044 55, 502	0 1 0 0	0 0 0 0	0 0 0	0 3 7 0	0 0 1 0	0 0 0 2	0 0 0	0 1 1 0	13 56 15
West Virginia: Charleston Huntington Wheeling North Carolina:	45, 597 57, 918 1 56, 208	0 0 0	6 0 0	0	0	0 1 0	3 0 0	0	2 0 2	11 20
Raleigh Wilmington Winston-Salem South Carolina:	29, 171 35, 719 56, 230	0 0 1	4 1 1	0	3 0 0	0 0	2 0 0	0 0 0	1 1 0	10 15 5
Charleston Columbia Greenville Georgia:	71, 245 39, 688 25, 789	1 0 0	0 0 1	0	0 ;	0 0	0 0	0 0 0	0 3 0	21 27 0
Atlanta Brunswick Savannah	222, 963 15, 937 89, 448	2 0 0	1	0	7	0 0 0	0	0	4 -	73 25
Florida: St. Petersburg Tampa	24, 403 56, 050	0	0	0	1	0	1 0	6 1	1 0	13 24

¹ Population Jan. 1, 1920.

		8	Small	юх	ns re-	Ту	phoid	fever	cases	
Division, State, and city	Population July 1, 1923, estimated	Cases, estimated expectancy	Cases reported	Deaths reported	Tuberculosis, deaths	Cases, estimated expectancy	Cases reported	Deaths reported	Whooping cough, reported	Deaths, all causes
EAST SOUTH CENTRAL										
Kentucky: Covington Louisville Tennessee:	57, 877 257, 671	0	0	0	2 3	0	0 3	0	0 2	20 55
Memphis Nashville Alabama:	170, 067 121, 128	1	1 0	0	3 3	0	0	0	0	64 31
Birmingham	195, 901 63, 858 45, 383	1 1	30 0	0	1 0	0 1 0	0	0	0	50 25
WEST SOUTH CENTRAL	10,000	Ů								
Arkansas: Fort Smith Little Rock Louisiana:	30, 635 70, 916	0 1	0	0	<u>2</u>	0	0	0	1 0	
New Orleans	404, 575 54, 590	1	0 1	0	21 0	1	6 0	2 0	1 0	178 28
OklahomaTulsa	101, 150 102, 018	2 1	0 0	0	4	0	0 0	0	0	20
Texas: Dallas Galveston Houston San Antonio	177, 274 46, 877 154, 970 184, 727	0 0 1 0	1 0 2 0	0 0 0 0	7 0 6 6	1 0 0 0	0 0 0 0	0 0 0 0	5 0	45 14 51 73
MOUNTAIN Montana:									_	
Billings Great Falls Helena Missoula	16, 927 27, 787 112, 037 12, 668	0 1 0 0	0 5 0 0	0 0 0 0	0 0 1 1	0 0 0 0	0 0 0	0 0 0	13 0 0	7 10 7 8
Idaho: Boise Colorado:	22, 806	0	0	0	0	0	0	0	0	4
Denver Pueblo	272, 031 43, 519	5 0	0 0	0	12 1	0	0	0	1 0	98 10
New Mexico: AlbuquerqueArizona:	16, 648	0	0	0	2	0	0	0	0	4
Phoenix	33, 899	3	0	0	4	0	0	0	0 2	29 21
Nevada: Reno	126, 241 12, 429	0	0	0	0	0	0	0	0	4
PACIFIC										
Washington: Seattle Spokane Tacoma	1 315, 685 104, 573 101, 731	1 9 1	7 0 1	0	0	1 0 0	1 0 0	ō	0 0 0	21
California: Los Angeles Sacramento San Francisco	666, 853 69, 950 539, 038	2 1 0	26 5 3	0	33 3 19	2 0 0	3 0 1	3 0 0	0	244 24 166

¹ Population Jan. 1, 1920.

	sp	rebro- inal ingitis	enc	hargic epha- itis	Pel	lagra		liomy (infant)aralys	ile
Division, State, and city	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, est. ex- pectancy	Cases	Desths
NEW ENGLAND									
Massachusetts: Boston Fall River Springfield Worcester MIDDLE ATLANTIC	0 0 0 0	0 0 0 0	3 1 0 0	0 1 1 2	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0
New York: Buffalo New York. New Jersey:	0	0	0 6	0 6	0	0	0 1	1 10	0
Camden Newark	0 3	0 0	1 0	1 0	0	0 0	0	0	0
Pennsylvania: Philadelphia	0	0	2	. 2	0	0	0	0	0
EAST NORTH CENTBAL Ohio: Cleveland	0	0	1	0	0	0	0	0	0
Chicago	0	0	3 2	0 2	0	0	0	0	0
WEST NORTH CENTRAL									
Minnesota: Minneapolis	0	0	0 1 0	1 0	0 0 0	0	0	0 0	0
Missouri: Kansas City St. Louis North Dakota: Grand Forks	0	0	1 0 0	1 0	0	0	0	0 0 2	0
MIDDLE ATLANTIC Maryland:								-	
Baltimore	0	0	0	0	0	0	0	1	0
RoanokeSouth Carolina: Columbia	0	0	0	0	0	3	0	. 0	0
Tennessee: Memphis	0	0	0	0	0	1	0	0	0
WEST SOUTH CENTRAL Texas: Houston	2	0	0	0	0	0	0	0	0
MOUNTAIN Montana: Helena	0	1	o	0	0	0	0	0	. 0
Nevada: Reno	0	0	0	0	0	0	ó	1	0
PACIFIC California:									•
Los Angeles San Francisco	1	0	0	0	0	0	0	1	0

¹ Population Jan. 1, 1920.

The following table gives a summary of the reports from 105 cities for the 10-week period ended December 27, 1924. The cities included in this table are those whose reports have been published for all 10 weeks in the Public Health Reports. Eight of these cities did not report deaths. The aggregate population of the cities reporting cases was estimated at nearly 29,000,000 on July 1, 1923, which is the latest date for which estimates are available. The cities reporting deaths had more than 28,000,000 population on that date. The number of cities included in each group and the aggregate population are shown in a separate table below.

Summary of weekly reports from cities, October 19 to December 27, 1924

DIPHTHERIA CASES

	1924, week ended—										
	Oct. 25	Nov.	Nov.	Nov. 15	Nov. 22	Nov. 29	Dec.	Dec.	Dec. 20	Dec. 27	
Total .	988	965	1, 128	1, 112	1, 115	970	1, 058	1, 063	1, 102	831	
New England. Middle Atlantic East North Central West North Central. South Atlantic East South Central West South Central	89 228 176 149 172 41 36	27 40	78 304 279 128 148 35 46	82 312 247 147 109 26 59	84 314 227 160 129 32 45					76 294 181 81 666 58 25	
Mountain Pacific	$\frac{23}{74}$	28 78	$\frac{38}{72}$	36 94	27 97	17 44	18 87	33 94	26 86	$\frac{22}{73}$	

MEASLES CASES

						1		1	1	
Total	197	241	310	322	400	364	613	706	779	584
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central	0	32 112 70 7 6 0	36 144 91 7 13 2	41 135 102 10 4 2	49 154 131 14 11 2	59 156 114 5 7	66 207 269 12 + 10	104 238 279 17 19 1	78 227 2 428 3 9 5 11 2	112 235 186 5 6 17 8 0
Mountain Pacific	2 14		$\frac{\hat{2}}{14}$	4 23	- 4 34	18	47	5 43	6 114	2 24

SCARLET FEVER CASES

Total	938	1, 021	1, 153	1, 097	1, 238	1, 283	1, 488	1, 735	1,722	1, 354
New England. Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	121 213 214 253 57 14 17 13 36	96 298 256 216 57 24 15 19 40	114 354 270 225 67 29 25 19 50	135 330 262 220 58 14 18 20 40	155 365 303 228 72 17 14 24 60	176 389 307 245 63 10 20 15 58	219 389 346 297 4 83 7 28 27 31 68	1 235 513 415 302 124 19 35 17 75	222 529 2 415 3 290 3 106 42 40 25 9 53	206 445 310 226 65 8 22 14 20

¹ Figures for Worcester, Mass., estimated. Reports not received at time of going to press.

¹ Figures for Worcester, Mass., estimated. Rep 2 Figures for Fort Wayne, Ind., estimated. 4 Figures for Norfolk, Va., estimated. 4 Figures for Winston-Salem, N. C., estimated. 5 Figures for Brunswick, Ga., estimated. 6 Figures for Memphis, Tenn., estimated. 6 Figures for Memphis, Tenn., estimated. 7 Figures for Montgomery, Ala., estimated. 8 Figures for Los Angeles and Secramento, Cali 9 Figures for Los Angeles and Sacramento, Calif., estimated.

Summary of weekly reports from cities, October 19 to December 27, 1924-Contd.

SMALLPOX CASES

				192	24, wee	k ende	d			
	Oct. 25	Nov.	Nov.	Nov.	Nov.	Nov. 29	Dec.	Dec. 13	Dec. 20	Dec. 27
Total	134	134	138	192	188	213	319	236	248	22
ar Theologic							-			
New England. Middle Atlantic East North Central. West North Central South Atlantic East South Central. West South Central. West South Central. Mountain Pacific	0 5 19 64 3 11 2 3 27	0 2 16 70 1 9 2 0 34	0 4 6 82 3 8 2 1 32	0 0 11 100 7 12 8 7 47	0 5 14 85 6 21 6 2 49	0 9 19 114 3 13 7 1 47	0 9 13 201 4 22 7 29 4 2 39	10 18 123 19 31 3 2 39	0 3 2 20 3 101 5 8 55 11 3 9 47	299 6 12 8 34 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Т	YРПО	OID F	EVEF	CAS	SES					
Total	136	106	124	107	133	161	255	237	307	197
New England	6	5	7	5	.5	9	12	16	12	7
Middle Atlantic	40	35	23	33	46	90	140	134	199	113
East North Central	14 5	11 9	14 9	11 3	15 8	10	30 4	43	² 45	33
South Atlantic	22	13	21	10	14	15	4 27	8 17	5 15	'18
East South Central	21	12	14	20	14	19	718	10	9	5
West South Central	12	6	18	11	13	8	13	ii	12	i
Mountain	10	5	9	8	2	2	1	2	1	(
Pacific	6	10	9	6	16	6	10	6	97	5
	NFLU 18	ENZA	DEA	THS	41	56	63	91	84	81
Total	10		. 30							
New England	1	1	5	.0	2	2	7	12	6	6
Middle Atlantic	9	21	23	17	17	15	21	43	33 2 12	27 22
East North Central	5 0	5	5	5	7 0	15 3	13	18	3 4	22
South Atlantic	2	3	3	4	6	7	45	11	8 11	67
East South Central	ō	ĭ	ĭ	4	ž	5	74	4	4	8 9
West South Central	0	3	1	7	3	5	6	7	8	3
Mountain	0	0	0	1	4	2	3	3	5	1
Pacific	1	1	0	5	0	2	2	1	91	3
Pl	NEUM	IONIA	DEA	тнѕ						
Total	479	593	636	676	646	701	831	863	917	850
ì						F0	 -	1.45		
New England	27	42 270	33	35 294	38	300	51	1 45 397	54	46 251
Middle ÅtlanticEast North Central	227 77	95	305 109	116	301 122	126	371 -155	168	377 2 195	351 170
West North Central	20	28	29	32	36	34	29	40	3 29	42
South Atlantic	65	87	75	83	57	83	4 91	86	5 120	6 101
East South Central	13	21	24	46	36	43	7 39	38	52	8 36
izast south Centhan	17	21	22	34	20	21	32	35	32	45
West South Central										
	16 17	6 23	8	10	15 21	13 23	22	21 33	29	23 36

¹ Figures for Worcester, Mass., estimated. Reports not rece 2 Figures for Fort Wayne, Ind., estimated.
3 Figures for Topeka, Kans., estimated.
4 Figures for Norfolk, Va., estimated.
5 Figures for Winston-Salem, N. C., estimated.
6 Figures for Brunswick, Ga., estimated.
7 Figures for Memphis Tenn., estimated.
8 Figures for Montgomery, Ala., estimated.
9 Figures for Los Angeles and Sacramento, Calif., estimated.

Number of cities included in summary of weekly reports and aggregate population of cities in each group, estimated as of July 1, 1923

Group of cities	Number of cities reporting cases	Number of cities reporting deaths	Aggregate population of cities reporting cases	Aggregate population of cities reporting deaths
Total	• 105	97	28, 898, 350	28, 140, 934
New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central West South Central West South Central Mountain Pacific	12 10 17 14 22 7 8 9 6	12 10 17 11 22 7 6 9 3	2, 098, 746 10, 304, 114 7, 032, 535 2, 515, 330 2, 566, 901 911, 885 1, 124, 564 546, 445 1, 797, 830	2, 098, 746 10, 304, 114 7, 032, 535 2, 381, 454 2, 566, 901 911, 885 1, 023, 013 546, 445 1, 275, 841

FOREIGN AND INSULAR

HAWAII

Plague-infected rodent, Honokaa.—A plague-infected rodent was found December 9, 1924, 1 mile north of Honokaa Village, Hawaii.

NETHERLANDS EAST INDIES

Epidemic plague—Macassar—Soerabaya.—Epidemic plague was reported present at the port of Macassar, Celebes Island, October 29, and at the port of Soerabaya, Island of Java, November 4, 1924.

RUSSIA

Communicable diseases—January to June, 1924.—During the period January 1 to June 30, 1924, communicable diseases were reported in Russia as follows: Anthrax (Siberian), 3,733 cases; measles, 101,000 cases; smallpox, 9,683 cases; typhoid fever, 43,000; typhus fever, 92,000 cases; recurrent fever, 32,000 cases. For the corresponding period of the year 1923, cases were reported as follows: Anthrax, 2,436; measles, 64,744; smallpox, 37,240; typhoid fever, 61,068; typhus fever, 215,000; recurrent fever, 202,000.

UNION OF SOUTH AFRICA

Pneumonic plague—De Aar, Cape Province.—November 25, 1924, a localized outbreak of epidemic pneumonia was reported at De Aar, Cape Province, Union of South Africa. Twenty-three cases and 14 deaths had been reported. The first death occurred October 25. On November 26 the disease was stated to be pneumonic plague. Plague infection was reported among veld rodents in the vicinity. The town of De Aar is an important railway junction.

VENEZUELA

Epidemic paratyphoid fever—Puerto Cabello.—Epidemic paratyphoid fever was reported present at Puerto Cabello, Venezuela, December 10, 1924. It was stated that a large number of cases had occurred with few deaths.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER

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

Reports Received During Week Ended January 16, 19251

CHOLERA

Dlaca				
Place	Date	Cases	Deaths	Remarks
Y- 31.		1	1	No. at too of any
India	N'ov 92-90		8	.: Nov. 2-8, 1924: Cases, 2,980 : deaths, 1,613.
Calcutta Madras	Nov 23-Dec 6	27		
Rangoon	Nov 9-29	5	2	
Indo-China	1101. 5 25	i		Aug. 1-31, 1924; Cases, 7; deaths, 6
Drovingo	1	1		August, 1923: Cases, 13; deaths, 6
Anam	A 110 1-31	1	1	10 native, and 1 fatal case
Cambodia	do	2		European.
Coohin-Chine	do	4	3	
Anam		<u>.</u>	i	İ
		GUE		
British East Africa:				1
Kenya—				1
Uganda.,	. Aug. 1-31	79	62	
Celebes:				t .
Macassar	. Oct. 29			Epidemic.
China:	i			1
Nanking Hawaii	Nov. 23-Dec. 6			Present.
Hawaii	1			Dec. 9, 1924: Plague-infected ro-
				dent found in vicinity of Hono-
	1			kaa village.
India	1			Nov. 2-8, 1924; Cases, 2,380;
Modroe (Procidonay)	Nov 92-Dec 6	182	100	deaths, 1,791.
Madras (Presidency) Rangoon	Nov. 0.90	9	128	deaths, 1,791.
Indo-China	NOV. 9-29	v į	4	
				Aug. 1-31, 1924: Cases, 13; deaths,
Province—		_	_	8. Corresponding period, 1923:
Anam	Aug. 1-31	2	2	Cases, 23; deaths, 21.
		9 1	6	
Coehin-China	.'do	2		
Java:		i		
Java.				
Cheribon district	Oct. 21-Nov. 3	3	4	
Cheribon district Pekalongan district	Oct. 21-Nov. 3do	3	4 24	
Cheribon district	1 1	1		
Cheribon district Pekalongan district Socrabaya district— Socrabaya	1 1	1	24	Epidemic. Seaport.
Cheribon district	1 1	1		Epidemic. Seaport.
Cheribon district	1 1		24	Epidemic, Seaport,
Cheribon district. Pekalongan district Socrabaya district Socrabaya. Socrabaya.	Nov. 4SMAL		24	Epidemic. Seaport.
Cheribon district. Pekalongan district Socrabaya district Socrabaya. Socrabaya.	Nov. 4SMAL	LPOX	24	Epidemic. Scaport.
Cheribon district Pekalongan district Soerabaya district— Soerabaya Soerabaya Brazil: * Pernambuco	Nov. 4SMAL		24	Epidemic. Seaport.
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa:	SMAL Nov. 16-22	LPOX 21	24	Epidemic. Seaport.
Cheribon district	SMAL Nov. 16-22	LPOX	24	Epidemic. Seaport.
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya. Brazil: Pernambuco. British South Africa: Northern Rhodesia.	Nov. 16-22 Nov. 4-10	21 4	24	Epidemic. Seaport.
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco Pernambuco Portish South Africa: Northern Rhodesia Egypt: Alexandria	Nov. 16-22 Nov. 4-10	LPOX 21	24	Epidemic. Seaport.
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain:	Nov. 4	21 4 1	24	Epidemic. Seaport.
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne	Nov. 4-10. Nov. 26-Dec. 2 Dec. 7-13	21 4	24	
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain:	Nov. 4	21 4 1	24	Nov. 2-8, 1924: Cases, 818; deaths,
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India	Nov. 4	21 4 1 3 .	4	
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India	Nov. 4	21 4 1 3	4	Nov. 2-8, 1924: Cases, 818; deaths,
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India	Nov. 4	21 4 1 3 1 19	4	Nov. 2-8, 1924: Cases, 818; deaths,
Cheribon district. Pekalongan district Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras	Nov. 4	21 4 1 3	4 4 1 12 12 12	Nov. 2-8, 1924: Cases, 818; deaths,
Cheribon district. Pekalongan district. Socrabaya district— Socrabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon	Nov. 4	21 4 1 3 1 19	4	Nov. 2-8, 1924: Cases, 818; deaths, 177.
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China	Nov. 4	21 4 1 3	4 4 1 12 12 12	Nov. 2-8, 1924: Cases, 818; deaths, 177.
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia. Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon ndo-China. Province—	Nov. 4	21 4 1 3	4 4 1 12 12 12	Nov. 2-8, 1924: Cases, 818; deaths, 177.
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia. Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon ndo-China. Province—	Nov. 4	21 4 1 3	4 4 1 12 12 12	Nov. 2-8, 1924: Cases, 818; deaths, 177. Aug. 1-31, 1924: Cases, 145; deaths, 54, August, 1923; Cases.
Cheribon district. Pekalongan district. Socrabaya district— Socrabaya district— Socrabaya. Permambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China Province— Anam Cambodia	Nov. 4	21 4 1 3	24 4 4 12 12 12 5 9	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Socrabaya district— Socrabaya district— Socrabaya. Permambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China Province— Anam Cambodia	Nov. 4	21 4 1 3	24 4 1 12 12 5 9	Nov. 2-8, 1924: Cases, 818; deaths, 177. Aug. 1-31, 1924: Cases, 145; deaths, 54, August, 1923; Cases.
Cheribon district. Pekalongan district. Socrabaya district— Socrabaya district— Socrabaya. Permambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China Province— Anam Cambodia	Nov. 4	21 4 1 3 1 19 22 15 15 141 24 72	24 4 4 12 12 12 5 9	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin	Nov. 4	21 4 1 3	24 4 4 1 12 12 12 15 8 8 30	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin ava:	Nov. 4	21 4 1 3 1 19 22 15 15 141 24 72	24 4 4 1 12 12 12 15 8 8 30	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin ava:	Nov. 4	21 4 1 3	24 4 4 1 12 12 12 15 8 8 30	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin ava:	Nov. 4	21 4 1 3 1 1 199 22 15 41 24 72 8 8 1 1	24 4 4 1 12 12 12 15 8 8 30	Nov. 2-8, 1924: Cases, 818; deaths, 177. Aug. 1-31, 1924: Cases, 145; deaths, 54, August, 1923: Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin ava:	Nov. 4	21 4 1 3 1 19 22 15 15 14 1 24 72 8 1 1 2 1 12 1 12 1 12 1 12 1 12 1 1	24 4 4 12 12 12 5 5 8 8 30 7	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41 (European, 1).
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin ava:	Nov. 4	21 4 1 3 3 1 1 1 1 2 2 1 1 5 1 1 2 1 2 4 1 2 2 1 5 8 1 1 1 2 2 9	24 4 4 1 12 12 12 15 8 8 30	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon Indo-China. Province— Anam Cambodia Cochin-China. Tonkin ava:	Nov. 4	21 4 1 3 3 1 1 19 22 15 41 24 72 8 8 1 12 9 8 1 12 9 8 1	24 4 4 1 12 12 12 5 8 30 7	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41 (European, 1).
Cheribon district. Pekalongan district. Socrabaya district— Socrabaya. Brazil: * Pernambuco British South Africa: Northern Rhodesia. Egypt: Alexandria Great Britain: New Castle on Tyne. India Bombay Calcutta Madras Rangoon Indo-China Province— Anam Cambodia Cochin-China Tonkin. ava: Batavia district— Buitenzorg Cheribon district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district	Nov. 4	21 4 1 3 3 1 1 1 1 2 2 1 1 5 1 1 2 1 2 4 1 2 2 1 5 8 1 1 1 2 2 9	24 4 4 12 12 12 5 5 8 8 30 7	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41 (European, 1).
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon ndo-China. Province— Anam Cambodia Cochin-China Tonkin ava: Batavia district— Buttenzorg Cheribon district Pasoeroean district Pekalongan district Soerabaya district Mexico:	Nov. 4	21 4 1 3 3 1 1 19 22 15 41 24 72 8 8 1 12 9 8 1 12 9 8 1	24 4 4 1 12 12 12 5 8 30 7	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41 (European, 1).
Cheribon district. Pekalongan district. Soerabaya district— Soerabaya district— Soerabaya. Brazil: Pernambuco British South Africa: Northern Rhodesia Egypt: Alexandria Great Britain: New Castle on Tyne India Bombay Calcutta Madras Rangoon ndo-China. Province— Anam Cambodia Cochin-China Tonkin ava: Batavia district— Buttenzorg Cheribon district Pasoeroean district Pekalongan district Soerabaya district Mexico:	Nov. 4	21 4 1 3 3 1 19 22 15 15 12 1 24 72 8 8 1 1 12 9 8 8 72 -	24 4 4 1 12 12 12 5 8 30 7	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41 (European, 1).
Cheribon district. Pekalongan district. Socrabaya district— Socrabaya. Brazil: * Pernambuco British South Africa: Northern Rhodesia. Egypt: Alexandria Great Britain: New Castle on Tyne. India Bombay Calcutta Madras Rangoon Indo-China Province— Anam Cambodia Cochin-China Tonkin. ava: Batavia district— Buitenzorg Cheribon district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district Pekalongan district	Nov. 4	21 4 1 3 3 1 1 19 22 15 41 24 72 8 8 1 12 9 8 1 12 9 8 1	24 4 4 1 12 12 15 9 8 30 7	Nov. 2-8, 1924; Cases, 818; deaths, 177. Aug. 1-31, 1924; Cases, 145; deaths, 54, August, 1923; Cases, 177 (European, 20); deaths, 41 (European, 1).

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

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued Reports Received During Week Ended January 16, 1925—Continued

SMALLPOX-Continued.

Place	Date	Cases	Deaths	Remarks
Portugal:				Andrew Control of the
Lisbon	Dec. 7-13	. 9		
	Nov. 30-Dec. 6	. 2	1	T
Russia	·			Jan. 1-June 30, 1924: Cases 9,683. Corresponding period
				1923: Cases, 37,240. Officially reported.
Spain:	1	i		
	Nov. 27-Dec. 10			
Madrid	Dec. 14-20		17	
Union of South Africa: Cape Province	Nov. 9-15	1	1	Outbreaks,
Transvaal	do			Do.
114110 + (441111111111111111111111111111111111				150.
	TYPHU	S FEVE	R	I
Algeria:	Nov. 1-30	1		
Egypt:	!	i		
	Oct. 22-28	3	2	
Mexico:	Dec. 23-29		1	
Movino City	Nov. 29-Dec. 6	14		
Palestine		14		Nov. 26-Dec. 8, 1924: Cases, 4.
1 dieseme				In district of Jerusalem
Rumania:				and the contraction of the contraction
	Dec. 1-10			
Russia				Jan. 1-June 30, 1924: Cases,
				92,000. Corresponding period,
The make over				1923: Cases, 215,000.
Turkey:	Nov. 29-Dec. 5		1	
Union of South Africa:		i		
Cane Province	Nov. 9-15	1		Outbreaks.
Orange Free State	Nov. 9-15			Do.
Transvaal	do			Do.
Yugoslavia:		1		
Belgrade	Nov. 24-Dec. 7	4		

Reports Received From December 27, 1924, to January 9, 1925 1

CHOLERA

Place	Date	Cases	Deaths	Remarks
Ceylon:	Nov. 16-22	1		
India				Oct. 19-Nov. 1, 1924: Cases, 5,300
Calcutta Madras	Oct. 26-Nov. 15	27 14	21 11	deaths, 3,219.
Siam: Bangkok		2		
	PLA	GUE		
Azores: Ponta Delgada		GUE 9	5	
	Dec. 6-12		5	One plague rodent.

¹ From medical officers of the Public Health Service, American consuls, and other sources. For reports received from June 28 to Dec. 26, 1924, see Public Health Reports for Dec. 26, 1924. The tables of epidemic diseases are terminated semiannually and new tables begun.

CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued Reports Received from December 27, 1924, to January 9, 1925—Continued

DI A	CHE	Cont	irmed.

Place	Date	Cases	Deaths	Remarks
Egypt				Jan. 1-Dec. 2, 1924; Cases, 361.
				Corresponding period, year 1923—cases, 1,448.
City—	1	1.		
Alexandria Port Said	Dec. 1	- 1		
Suez	Dec. 3	. i		
India Rangoon	Oct 26-Nov 8	3	4	Oct. 19-Nov. 1, 1924 Cases, 5,260; deaths, 3,942.
Java:	:	1	-	
Cheribon Pekalongan	. Oct. 14-20		10	
Tegal	do	-		
Madagascar Tananarive Province	Oct 16-31	36	33	□ Oct. 16-31, 1924; Cases, 36; deaths, 33.
rananarive rown		-) 2	1 2	Bubonic.
Other localities Straits Settlements:	do	_ 34	31	
Singapore	Nov. 9-15	. 1	1	ticemic, 9.
	SMA	LLPOX		
Bolivia:	i	1		
La Paz	Nov. 1-30	12	7	1
British South Africa: Northern Rhodesia	Oct. 28-Nov. 3	24		In notives
'anada:	000. 25-1000. 5	1 21	1 -	In natives.
British Columbia— Vancouver	Dec. 14-20	11		
Manitoba—	Dec. 14-20	1 11		i
Winnipeg	Dec. 7-13	4		
	Nov. 9-22		1	Present.
Antung	Nov. 17-23	1		
Foochow	Nov. 2-8			Do.
Guayaquil	Nov. 16-30	2		
Egypt: Alexandria	Nov. 12-18	1		
ibraltar	Dec. 8-14	î		
reat Britain: England and Wales	Nov. 23-Dec. 6	184		
ndia				Oct. 19-Nov. 1, 1924: Cases, 1,425;
Bombay	Nov. 2-8 Oct. 26-Nov. 15	4	3	deaths, 326.
Karachi	Nov. 16-22	$\frac{53}{2}$	34	
Madras Rangoon	do	10	4	
raq:	Oct. 26-Nov. 8	17	4	
Bagdad	Nov. 9-15	1	1	
ava: East Java—				
Soerabaya		212	71	_
West Java Province—				Oct. 26-Nov. 7, 1924: Cases, 2.
Batam	Oct. 14-20	2		One locality.
Batavia Cheribon	Nov8-14 Oct. 14-20	1		Do
Pekalongan	Oct. 14-20	12		Two localities.
lexico:	Nov. 23-29	1		
Mexico City Vera Cruz	Dec. 1-14	1	6	
pain:	J.			
Cadiz Malaga	Nov. 1-30 Oct. 31-Nov. 13		34 40	
Valencia	Nov. 30-Dec. 6	2	UF	
vria: Aleppo	Nov. 23-29	1		
unis:	1	1		
Tunisnion of South Africa:	Nov. 25-Dec. 15	33	23	
Orange Free State	Nov. 2-8			Outbreaks.
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CHOLERA, PLAGUE, SMALLPOX, AND TYPHUS FEVER—Continued Reports Received from December 27, 1924, to January 9, 1925—Continued TYPHUS FEVER

Date	Cases	Deaths	Remarks
Nov. 1-30	2		
		4	10 cases (estimated) present Nov. 22.
	3	2	
	29		
Nov. 12-24	3		Sept. 28-Oct. 4, 1924; Cases, 28;
Nov. 15-21	,		deaths, 1.
Nov. 16-22	3 1		
	Nov. 1-30 Nov. 16-29 Nov. 25 Oct. 1-14 Nov. 9-29 Nov. 12-24	Nov. 1-30 2 Nov. 16-29 Nov. 25 Oct. 1-14 3 Nov. 9-29 29 Nov. 12-24 3 Nov. 15-21 3	Nov. 1-30 2 Nov. 16-29 4 Nov. 25 1 Oct. 1-14 3 2 Nov. 9-29 29 Nov. 12-24 3 Nov. 15-21 3

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