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#### THE EVALUATION OF HEALTH SERVICES<sup>1</sup>

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#### UNITS OF VALUE

The saving of lives, or, to be more exact, the postponement of death, is commonly stated to be a purpose of health work. This end may be accomplished either by the prevention of disease or by the restoration of health. Maintenance, or, better still, the elevation, of physical and mental efficiency is less tangible as an accomplishment; yet the goal may be accepted as desirable in a highly competi-Economic values have a place in public health service tive system. and merit careful consideration. It is possible, however, to be much more objective by computing actual money saved to the individual or the extent to which property values have been increased by public health measures than by attempting to estimate the economic worth of the man whose life has been prolonged. Comfort and happiness still constitute the prime concerns of the general public, notwithstanding the fact that many health workers are reluctant about accepting responsibility for the administration of services designed to achieve these aims. Actually some students of welfare go so far as to say that happiness is the best summary measurement of accomplishment in health service.

There is no fundamental disagreement on the appropriateness of most of the foregoing purposes of health service when personal interest or the welfare of a friend or a relative is involved. Sympathy might also prompt extension of this interest to any person whom one regards as a replica or a complement of himself. On the other hand, if conservation of life entails coordinated community effort or the expenditure of public funds, differences of opinion regarding the propriety of such action may be encountered. The reasons are not difficult to understand.

Under varying types of social organization, different characteristics determine the usefulness of an individual. Consequently, it is not uncommon to find persons who question the advisability of organizing community resources to save all lives, irrespective of their economic or social importance. Some with a purely utilitarian point of view

<sup>&</sup>lt;sup>1</sup> Read before the Annual State Conference of Health Officers and Public Health Nurses, Saratoga Springs, N. Y., June 24, 1936.

would set limits beyond which life should not be prolonged through organized social effort. Others like to regard disease as nature's process for eliminating the weak and unfit. From another point of view, some diseases might even be considered beneficial. Specific immunity in a few instances can be obtained most effectively through an attack of the disease. The question therefore arises as to whether exposure to infection at a favorable time may not be the type of experience to which the human organism should be subjected.

These broad concepts regarding fundamental units of value could be pursued much further and perhaps with profit. Other considerations make it necessary for the practical health worker to fix on fairly well-defined objectives and to strive for their attainment. Measurement of progress toward these ends, however, must be related to a base line. In the instance of health service, the base line is the health problems of the individual or, if people are considered collectively, the problems of the community.

#### **DEFINITION OF PROBLEM**

The total problem is expressed by the amount of illness or disability present in a community and by the hazards to health which exist. One is a direct measure of the effect of a cause and the other is indirect, involving an expression of the danger to health.

Direct measurement.—Perhaps the oldest and most firmly established direct measure of health problems is mortality data. In most areas, deaths are now reported with a high degree of completeness. Death certificates form the basis for a fairly correct count of the people who die. The decedents may be classified according to residence, age, sex, color, and certain other characteristics. It must be recognized, however, that considerable improvement can be made in regard to the accuracy of causes of deaths as stated on the certificates. Another defect is that little or nothing is revealed concerning the underlying pathology or the train of circumstances which led up to the final illness.

The available data on morbidity are very meager. Health departments attempt to collect only information regarding the occurrence of communicable diseases and of a few other illnesses directly related to the environment. The incompleteness of communicable disease reports need not be dwelt upon. It is commonly recognized that the fragmentary information which normally comes to the attention of the health authority, in most jurisdictions, is seldom any more than a rough index from which to estimate the true incidence of these diseases. Some industries and sick-benefit organizations keep records on conditions which are compensable or which cause absence from work. The data on general illness which are available through these agencies have distinct value, but factors such as employment effect a high degree of selection in the individuals who are represented by the figures. Such data, therefore, do not form a reliable basis for judging the manifestation of disease in the general population.

Confronted with this situation, the United States Public Health Service and other agencies interested in the broad question of illness and disability in the general population have resorted to the family canvass method of study. Under this plan, a representative sample of families is visited for the purpose of collecting the desired types of information. This procedure has been followed for several years, but until recently the numbers of individuals included have been small and the samples have been selected from only a few areas, which may not be representative of the United States as a whole. A much more extensive study than any made heretofore is now being conducted under the auspices of the United States Public Health Service and is known as the National Health Inventory. Approximately 750,000 families, distributed over 19 States, are included in the sample. The findings in regard to illness will be related to environmental, social, and other factors which may have been operative in determining the nature and extent of disability or the amount and character of medical care which the people receive. The general principles, as well as the techniques involved, in the family-canvass method of study have been described by Pennell (1). The experience to date has demonstrated that this method is thoroughly adaptable to the needs and resources of a local health officer, provided its limitations are understood. Briefly stated, it is possible by using a representative sample of the population to obtain an expression of the amount of illness and disability according to broad categories, and the distribution of these conditions among various classes of people. Considerable refinement in diagnosis can be attained by checking with physicians and clinics.

There are more precise methods for determining illness and disability in selected groups or samples of the population, but these procedures are more expensive than the family canvass. Physical examination, especially of school children, may be cited as a method for revealing the more obvious types of physical defects or fairly well established disease processes. It is possible to estimate the amount of tuberculosis infection by the tuberculin test and to use the Wassermann or similar test for the same purpose with regard to syphilis, although active disease process may not always be revealed by either procedure. A census of patients under treatment by physicians, clinics, and other agencies at a given time may serve as a measure of prevalence for selected diseases. Blood smears, the spleen index, or a history of chills and fever are accepted methods for defining a malaria problem. Examination of stools for intestinal parasites is a procedure falling into the same category as those mentioned. Generally speaking, the more refined techniques are especially useful for

eliciting the presence of a single condition such as tuberculosis, syphilis, malaria, hookworm, or immunity to a specific disease.

Indirect measurement.-Diseases and disabilities, as stated previously, represent only that part of the problem which has become established in the population. Hazards to health constitute the remainder, but they cannot be expressed in exact terms of potential menace since it is not possible to anticipate what combination of circumstances may arise and make the several factors operative. Illness, therefore, is not predictable with any high degree of certainty so far as the individual is concerned; neither can a community be assured that disaster will always follow its failure to institute an obviously needed measure of sanitation. Nevertheless, the health official is in a perfectly tenable position if he recommends immunization against smallpox or diphtheria, even though there is no undue prevalence of either disease, since a low level of immunity in the population increases the possibility of those diseases appearing in epidemic proportions. Failure on the part of a community to purify its water supply, to pasteurize the milk, to safeguard the sanitary quality of the food, or to dispose of its wastes in a proper manner represents unnecessary exposures to risks, irrespective of what the disease experience of the population may have been. Conditions such as lead poisoning and silicosis are peculiar to certain types of industries, and their occurrence is determined very largely by failure to employ recognized preventive measures. There are obvious reasons for the close association of injuries with the rapid movement of traffic and with occupations where a large amount of unguarded mechanical equipment is used. Hazards such as those mentioned. and particularly those related to the physical environment. are tangible. Common experience dictates that the risks involved should not be assumed unnecessarily, irrespective of what the actuarial experience of a particular locality may be.

Statements regarding the effect of personal habits must, as a rule, be made with considerable caution. Aside from the results of gross intemperance and utter disregard for safety, the effect of personal habits on individual or community health is difficult to measure; still there is reason to believe that an individual can, to some extent, influence his health by the observance of accepted rules of hygiene. After a disease process has become established and the outcome is predictable within reasonable limits, a fairly reliable estimate can often be made concerning the influence which a therapeutic measure of known value may exert on the course of the disease. If a person is unwilling or unable to take advantage of such remedial measure, the danger to health created by the disease is increased to an appreciable extent. The problem, therefore, confronting the health agency is expressed by the actual illnesses and disabilities of a population, by the physical status of the people, and by the hazards peculiar to the environment in which they live or find employment. The condition found at any given time will furnish a base line from which to measure progress or retrogression.

#### CRITERIA OF PROGRESS

Accomplishment of specific objectives.-The efficiency of health organizations in accomplishing specific objectives is undoubtedly, from the standpoint of health administration, the subject most in need of evaluation. Any fact revealed by such studies should be of immediate practical use. Furthermore, most of the procedures involved in studies of this type are well within the resources of the average health department. Accomplishment may be measured by either of two methods. According to the first method, standards of performance commonly spoken of as representing good practice are accepted a priori as objectives, and activities in any type of service are rated according to percentage attainment of the quotas which have been established. The principle underlying this method of evaluation serves as the basis of the Appraisal Form for City Health Work (2) and the Appraisal Form for Rural Health Work (3). It may safely be assumed that all practical health workers are acquainted with these two forms, and nothing more need be said concerning the fields of usefulness for the forms or the limits within which they may be safely applied as instruments for the evaluation of health service.

The second method of measurement is no more than an extension of the first. The objectives are accepted in the same manner as described in the preceding paragraph, but the effectiveness and economy of different procedures for accomplishing desirable purposes constitute the subjects for measurement. This principle of evaluation may be explained to best advantage by stating a few problems in health administration, some of which have been studied (4, 5, 6).

It may be assumed that the health agency concerned should have knowledge of the occurrence of tuberculosis. The question then arises, How can the largest number of cases in the early stages of the disease be located without entailing undue costs?

Screening of dwellings has been demonstrated to be of considerable value in the prevention of malaria. To the mind of the administrator, this provokes three questions: What is involved in rendering mosquito-proof the common type of tenant house? In what way can the screening be accomplished most economically? How can people be induced to maintain the screens?

Presuming that the practice of a mother in caring for her infant can be improved by placing the mother under the guidance of a public health nurse, one may ask: Are all types of contacts between nurse and mother equally effective? What is the optimum number of contacts? Might not the same purposes be accomplished at a lower cost by using improved techniques in mass education instead of visits by or to the nurse?

These and many other questions could be raised with regard to each item of service that enters into a health program. An answer to any one of them would make the art of administration more exact. But there is a limit to which one can go with this type of inquiry, since the effect of many accepted practices has not been established on a scientific basis. This introduces the next and most difficult task in the evaluation of health procedures.

Effect of procedures.—If the true effect of clinical and public health procedures were known in all cases, the problem of appraisal would be very much simplified. For example, if it could be assumed that tonsils presenting certain physical characteristics should be removed, then a health agency might be rated on its efficiency in accomplishing that purpose. The questions, however, arise: What benefit will accrue to the individual as a result of the surgical operation? Even granting that there is a definite clinical syndrome which portends trouble to the individual, what assurance can be given that a large percentage of examiners will elicit the same findings and exercise judgment that is equally discerning? As a matter of fact, there is evidence (7, 8) which tends to show that physical examination is not an instrument of precision and that clinical judgment is variable.

The difficulty inherent in appraising a procedure such as tonsillectomy becomes even more involved if large numbers of individuals are concerned. The conclusions regarding the effect of this operation would be valid only under circumstances meeting the following requirements: A uniform method must be established for detecting the particular types of diseased tonsils which, under clearly defined circumstances, are certain to undermine health to a degree that is sufficient to justify the risk entailed by the operation itself. The appraiser of a community health service must also know the frequency with which each circumstance is encountered in the population. Since all of these requirements cannot be satisfied, due to insufficient knowledge, it is not possible to develop a method for appraising removal of tonsils that is mathematically exact. Perhaps some may feel that it is unfair to apply these criteria to such a controversial procedure as tonsillectomy.

Tonsillectomy has been selected to illustrate a principle, but in doing so the situation has not been overdrawn. This principle also applies to other broad procedures where action must be taken on the basis of clinical judgment. Physical examination and advice in matters of personal hygiene are subject to the same criticisms from the standpoint of their insusceptibility to exact appraisal. As a matter of fact, there is little on which to estimate the worth of such service except its volume, and the training, character, and integrity of the worker.

In a more restricted field, such as immunization, it is possible to measure the degree of immunity conferred by inoculation with an appropriate antigen. On the other hand, no one can state exactly the value of that protection to the individual, since the probability of his contracting the disease cannot be estimated. Meanwhile, he may have acquired immunity by some other natural process which perhaps is not understood. In any attempt to determine the value of immunization to large groups of the population, one is certain to encounter difficulties which are greater than those presented by the individual.

Items of sanitation might also be selected to illustrate the inexactness of knowledge concerning the effect of other public health procedures, but those already given should serve as a caution to persons who clamor for a simple but exact instrument for evaluating public health effort. This lack of precise information should not be used to discredit the mature judgment of qualified administrators who are capable of weighing the accumulated experience of the several professional groups participating in health service.

Ultimate purpose.--Attempts to go beyond a determination of the effect of a health procedure on the individual or to express some obvious advantage of health protection to the community immediately lead into the realms of social and economic philosophy. There, one is confronted with the riddle of the universe. On broad social purposes each citizen of a community is likely to place his own values. and these estimates are likely to have an emotional basis. His views concerning such questions may be tinctured with or even directed by personal interests, religious convictions, or political necessities. The underlying philosophy of the professional health worker is almost certain to be determined by the same subtle influences. Therefore nothing much in the way of advance from the standpoint of administrative practice is to be gained from speculations relative to the final benefits which mankind is to derive from efforts to conserve human life. After all, the health worker usually has definite work to perform, and he should be occupied primarily with doing the job in the most effective and economical manner, irrespective of what purpose may be back of life.

#### SUMMARY

In summary, it may be said that the evaluation of health service, when pursued to its final conclusion, deals with the very end and purpose of human existence and the utility of each individual in the social organization. Speculations on ultimate values lead only to controversies which contribute little to advancement in health administration.

There are a number of steps in the evaluation of health practices, and in many of these the local health worker can participate. The simpler procedures, and yet those which are most necessary from the standpoint of administration, involve a definition of the health problem and a periodic appraisal of the effectiveness and economy with which the worker directs his efforts toward the accomplishment of specific objectives. A few recognized procedures meet the most rigid requirements in scientific evaluation, while the effects of others are not so well established. The person, busy with routine duties, must of necessity accept as worthy of performance those items of service which carry the approval of careful observers. He can, however, become interested in the general subject of appraisal and lend support to fundamental studies which are designed to reveal the tangible effects of public health procedures on the lives of people.

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#### TIME CHANGES IN THE MORTALITY FROM ACCIDENTAL MECHANICAL SUFFOCATION AMONG INFANTS UNDER 1 YEAR OLD IN DIFFERENT GEOGRAPHIC REGIONS OF THE UNITED STATES, 1925–32<sup>1</sup>

#### Studies on the Fatal Accidents of Childhood No. 4

#### By WILLIAM M. GAFAFER, Senior Statistician, United States Public Health Service

In the first paper of the series (1-3) certain death registration area data were presented for the year 1930 which showed, among other things, the order of importance of various accidents as causes of death among children under 15 years of age, together with the effect of age changes upon this order. As would be expected, the leading cause of death among the accidental causes was by no means the same for each age. Thus accidental mechanical suffocation was the leading cause for infants under 1 year old. Indeed this cause claimed more than four times as many infants under 1 year as the toll exacted by burns, the specific cause immediately following suffocation in importance. Of the total number of 2,405 infants under 1 year that perished accidentally in 1930, 849, or 35 percent, were mechanically suffocated.

The third and fourth revisions (1920 and 1929) of the Manual of the International List of Causes of Death include under the title "Accidental Mechanical Suffocation" the following: Accidental asphyxia; asphyxia (accident); asphyxiation by falling earth; cave-in (unqualified); overlaid; and suffocation (unqualified) by abnormal atmospheric pressure, by bed clothes, by excavation, and in bed.

While infant mortality from accidental mechanical suffocation has been referred to during and since Biblical times,<sup>2</sup> the references in the medical literature to this cause of death are not as voluminous as might be thought. This is especially true with respect to articles with adequate statistical support. A careful search of the literature disclosed one paper to which reference may be appropriately made at this time, namely, the article by Templeman (4) which was published over 40 years ago. This publication deals specifically with overlaying and reports data on the suffocation in this manner of 258 infants in bed. As principal causes of this mortality the author records the ignorance and carelessness of mothers, intoxication, overcrowding, and, possibly, illegitimacy and the insurance of infants. All of the infants that died were under 9 months of age, over half of the deaths occurred during the cold months, and approximately half took place on Saturday nights when, after "receiving their week's wages on Saturday, many \* \* \* among whom these cases are

<sup>&</sup>lt;sup>1</sup> From the Office of Child Hygiene Investigations, U. S. Public Health Service.

<sup>&</sup>lt;sup>2</sup> For example, "This woman's child died in the night, because she overlaid it." 1 Kings III, 19. Quoted in Webster's New International Dictionary.

so common, indulge freely in drink and go to bed more or less intoxicated."

Because of the importance of mechanical suffocation among the accidental causes of death of infants under 1 year old, it is purposed in this paper to study primarily certain time changes in the mortality caused by it in different geographic regions of the United States. As in the previous papers, the period of time extends from 1925 through 1932. Comparable figures are available in published volumes of the Bureau of the Census, and mortality is measured in terms of deaths per 100,000 live births.

For the purpose of this inquiry the birth registration States of 1925, consisting of 33 States and the District of Columbia, are divided into 4 broad groups, each comprising a geographic region as indicated: A Northeastern (Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and the District of Columbia), a North Central (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Nebraska, North Dakota, Ohio, West Virginia, and Wisconsin), a Southeastern (Florida, Kentucky, Mississippi, North Carolina, and Virginia) and a Western (California, Montana, Oregon, Utah, Washington, and Wyoming). In the Southeastern region the white and colored deaths are held separate.

#### RELATION OF ACCIDENTAL CAUSES OF DEATH TO OTHER CAUSES IN 1932

With the use of the most recently published mortality statistics, figure 1 shows the percentage distribution of the deaths from various causes among infants under 1 year old that occurred in the death registration area in 1932.<sup>3</sup> The causes are arranged in order of importance, the cause accounting for the largest percentage of deaths appearing first. There were altogether 121,365 deaths, of which 27 percent were attributed to the leading cause, namely, premature birth. From premature birth to broncho-pneumonia and capillary bronchitis, which immediately follows, there is a sharp drop from 27 to 10 percent. Subsequently the percentage distribution declines rapidly to the accidental causes, from which 1,921 infants died, or more than 1.5 percent of the total number that died. Syphilis, with its 1,647 deaths, follows the accidental causes, and thereafter the distribution slowly declines.

<sup>&</sup>lt;sup>3</sup> The numbers 1-35 in figure 1 correspond to the different causes, as follows: 1, premature birth; 2, broncho-pneumonia and capillary bronchitis; 3, diarrhea and enteritis; 4, congenital malformation; 5, injury at birth; 6, ill-defined causes of death; 7, other diseases peculiar to early infancy; 8, lobar pneumonia and pneumonia unspecified; 9, all other causes; 10, congenital debility; 11, influenza; 12, whooping cough; 13, accidental, other, or undefined; 14, syphilis; 15, diseases of thymus gland; 16, intestinal obstruction; 17, convulsions; 18, bronchitis; 19, erysipelas; 20, diseases of stomach (cancer excepted); 21, diseases of ear; 22, dysentery; 23, simple meningitis; 24, measles; 25, diphtheria, 26, tuberculosis of meningets and central nervous system; 27, tuberculosis of respiratory system; 28, epidemic cerebrospinal meningitis; 29, rickets; 30, other forms of tuberculosis; 31, malaria; 32, diseases of mastoid process; 33, homicide; 34, tetanus; and 35, scarlet fover.

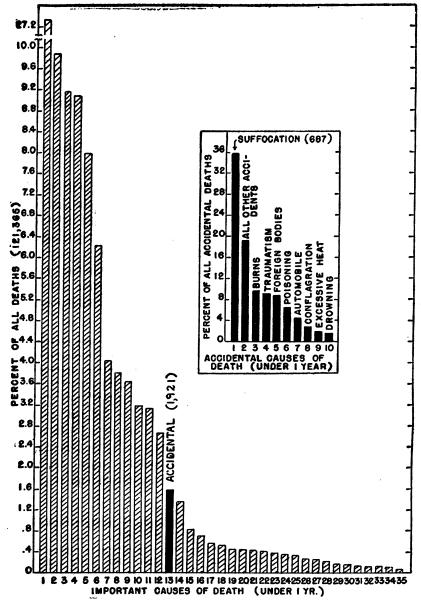


FIGURE 1.—Percentage distribution of the 121,365 deaths among infants under 1 year old, arranged in decreasing order of magnitude, death registration area, 1932. The numbers 1-35 indicato the order of importance of the causes, and refer to the causes themselves. (See footnote 3 for the causes that correspond to the different numbers.)

spond to the different numbers.) The insert shows the percentage distribution of the 1,921 accidental deaths according to specific causes. Number of deaths from sufficiention, 687. The insert in figure 1 shows how the 1,921 accidental deaths among infants under 1 year were distributed according to specific causes. The importance of accidental mechanical suffocation as a cause of death is well illustrated. In the death registration area in 1932, mechanical suffocation accounted for 687 infant deaths, or 36 percent of all accidental deaths among infants under 1 year. This percentage, which is almost four times the percentage for burns, the specific cause of death immediately following, is practically identical with the corresponding percentage found above for the death registration area in 1930.

#### MORTALITY FROM ACCIDENTAL MECHANICAL SUFFOCATION, BY GEO-GRAPHIC REGION, 1925-32

Table 1 gives the mortality per 100,000 live births from accidental mechanical suffocation among infants under 1 year old in the different geographic regions from 1925 through 1932. For the Southeastern region the colors are given separately. Before proceeding to the examination of the graphical presentation of the mortality rates it will be of interest to inspect the average annual mortality rates of the regions based upon the data for the entire 8 years. These have been calculated from the table and they may be arranged in descending order of magnitude, as follows:

Southeastern, colored	76. J
North Central	39. 8
Southeastern, white	38. 3
Western	33. 3
Northeastern	25.5

Thus the rate (deaths per 100,000 live births) for the colored of the Southeastern region is approximately from two to three times any of the remaining rates. The rates for the North Central region and for the white infants of the Southeastern region are similar, whereas the rates for the Western and Northeastern regions are definitely lower.

 TABLE 1.—Mortality from accidental mechanical suffocation, infants under 1 year
 old, by geographic region, 1925–32

Accidental mechanical suffocation (under 1 year)	1925	1926	1927	1928	1929	1930	1931	1932		
			<u>.</u>	North	eastern	•				
Number of deaths Per 100,000 live births	190 26. 0	224 81. 7	160 22. 4	185 26. 8	157 23. 7	166 25. 0	164 26. 1	134 22. 2		
	North Central									
Number of deaths. Per 100,000 live births	259 86. 5	824 46. 6	294 42. 3	259 88. 2	291 44.0	264 89. 5	212 83. 4	229 88. 1		

 TABLE 1.—Mortality from accidental mechanical suffocation, infants under 1 year
 old, by geographic region, 1925–32
 Continued

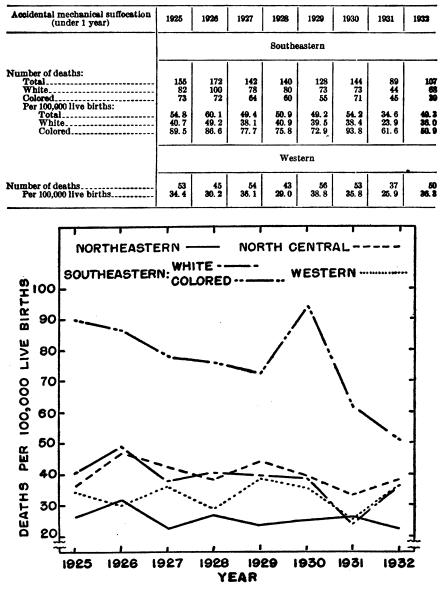


FIGURE 2.—Deaths from accidental mechanical sufficiation per 100,000 live births among infants under 1 year old in different geographic regions of the United States, 1925-32.

The annual mortality rates as given in table 1 are presented graphically in figure 2. The figure discloses a number of important facts which may be briefly recorded as follows: First, the consistently high mortality suffered during the entire period by the colored infants of the Southeastern region; second, with the exception of the 2 years, 1926 and 1931, the Northeastern region shows the lowest mortality; third, during the whole period the Western region is consistently lower than the North Central; fourth, the rates for the white infants of the Southeastern region show, relatively, considerable fluctuation, and hence no definite orderliness in relation to the other rates; and fifth, which is perhaps the most important fact, the time trends of mortality during the 8 years, while of unlike magnitude in the different regions, are practically level for all of the regions with the possible exception of the trends for the white and the colored infants of the Southeastern region, which are perceptibly declining and at approximately the same rate.

#### SUMMARY

This paper investigates time changes in the mortality from accidental mechanical suffocation among infants under 1 year old in different geographic regions of the United States from 1925 through 1932. Mortality is measured in terms of deaths per 100,000 live births.

The birth registration States of 1925, consisting of 33 States and the District of Columbia, are divided into 4 broad groups, each comprising a geographic region as follows: A Northeastern, a North Central, a Southeastern (white and colored), and a Western.

The data show that, during the 8 years under observation, the colored infants of the Southeastern region consistently suffered the highest mortality while, in general, the infants of the Northeastern region suffered the lowest mortality. The most important finding is that the time trends of the mortality for all of the regions, with the possible exception of those for the white and colored infants of the Southeastern region, are practically level, indicating that the force of the mortality from accidental mechanical suffocation in the Northeastern, North Central, and Western regions, while of unlike magnitude in the different regions, was practically constant during the 8 years 1925-32. On the other hand, the trends for the white and colored infants of the Southeastern region perceptibly declined and at rates of approximately the same magnitude.

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#### DEATHS DURING WEEK ENDED NOVEMBER 7, 1936

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

	Week ended Nov. 7, 1936	Correspond- ing week, 1935
Data from 86 large cities of the United States:         Total deaths.         Deaths per 1,000 population, annual basis.         Deaths under 1 year of age         Deaths under 1 year of age per 1,000 estimated live births.         Deaths per 1,000 population, annual basis, first 45 weeks of year.         Data from industrial insurance companies:         Policies in force.         Number of death claims.         Death claims per 1,000 policies in force, annual rate.         Death claims per 1,000 policies, first 45 weeks of year, annual rate.	8, 282 11. 6 578 52 12. 1 68, 553, 251 10, 197 7. 8 9. 8	7, 730 10.8 470 44 11.3 67, 689, 195 10, 029 7.7 9.6

#### **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 Weeks Ended November 14, 1936, and November 16, 1935

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Nov. 14, 1936, and Nov. 16, 1935

	Diph	theria	Influ	ienza	Me	asles	Meningococcus meningitis	
Division and State	Week ended Nov. 14,	Week ended Nov. 16,	Week ended Nov. 14,	Week ended Nov. 16,	Week ended Nov. 14,	Week ended Nov. 16,	Week ended Nov. 14,	Wcek ended Nov. 16
	1936	1935	1936	1935	1936	1935	1936	1935
New England States:								
Maina	2	1	1		10	85	0	
New Hampshire					3		Ó	
Vermont		1			1	49	0	1
Massachusetts	9	8			103	80	2	
Rhode Island	2	1			54	19	22	
Connecticut	1	3	5	3	22	52	ō	
Middle Atlantic States:				-			-	
New York	32	24	17	17	97	350	12	
New Jersey Pennsylvania	13	20	6	ġ	50	14	1	
Pennsylvania	50	62			44	69	3	
East North Central States:								
Ohio	57	89	32	52	16	63	4	
Indiana	39	75	13	23	4	18	ī	
Illinois	43	73	19	24	nī	14	6	
Michigan	25	36	2	1	34	13	ĭ	
Wisconsin	5	3	31	43	21	42	ó	
Wisconsin West North Central States:	, i	Ŭ		30			•	
Minnesota	14	7	1	1	41	45	1	
Iowa	4	23	4	3	2	10	2	
Missouri	32	23 76	56	73	4	81		
North Dakota	5	/0 1	6	13			0	
South Dakota	0		0	0	1	11	0	9
Nebraska		5			4	.2	0	9
Nebraska	5	17				47	1	
Kansas outh Atlantic States:	55	26	5	8	2	3	1	(
Delaware					_			
Delaware	1				5	125	0	
Maryland <sup>2</sup> District of Columbia	26	21	3	2	28	8	5	:
District of Columbia	11	15		1		1	3	(
Virginia	60	72			23	26	5 3 7 8 4	1
West Virginia North Carolina <sup>3</sup>	35	42	59	20	23	14	8	
North Carolina <sup>3</sup>	123	74	7	8	34	9	4	1
South Carolina 4	19	15	313	147	6	1	2	
Georgia 4	64	. 41					Ō	
Florida	6	21	3	1		4	2	
eet South Central States	1						-	
Kentucky	29	44	15	1	7	7	6	(
Tennessee	50	61	52	16	3	4	Ğ	2
Alabama 4	65	44	27	31	i l	ē	ĭ	
Mississippi 2 4	19	10			-	-	il	č

See footnotes at end of table.

#### 1649

0	ses of certain communicable diseases reported by telegraph by State health officer for weeks ended Nov. 14, 1936, and Nov. 16, 1935—Continued	.8
-		_

	Diphtheria		Influ	lenza	Me	asles	Monins meni	ococcus ngitis
Division and State	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1930	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935
West South Central States: Arkansas	10	12	12	13	i			0
Louisiana Oklahoma <sup>5</sup> Texas <sup>4</sup>	16 17 17 30	32 25 155	10 42 121	13 6 50 92	8 4 15	10	1 1 0 3	1 0 1
Mountain States: Montana	2		5	3	47	22 3	0	0 0 1 2 0 <b>2</b> 0
Idaho Wyoming	i	13	4	1	4	3 5	3 0	1
Colorado New Mexico Arizona Utah <sup>2</sup>	9	13			2	3	1	2
New Mexico	4	6	58		5	18	0	0
Arizona Utah i	5	1	58	32	87 13	13	0 2	2
Pacific States: Washington					6	92	0	
Oregon California	2 61	1 49	20 31	28 52	7 19	153 140	2 3	2 2 0
Total	1, 064	1, 309	970	756	789	1, 681	93	63
First 46 weeks of year	23, 949	31, 702	147, 875	110, 893	276, 130	707, 329	6, 769	5, 001
· · · · · · · · · · · · · · · · · · ·	Polion	yelitis	Scarle	t fever	Sma	llpox	Typhoi	d fever
Division and State	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935
New England States: Maine	0	3	21	12	0	0	0	0
New Hampshire	0	1	4	10	0	0	0	0
Vermont	0	1 10	105	13 175	0 0 0	0	1	4
Rhode Island	0	5	14	12	ŏ	0	1	0
Connecticut	Ó	3	38	27	0	0	0	2
Middle Atlantic States: New York	7	22	271	390	0	o	14	11
New Jersey Pennsylvania	1 6	8 2	53 324	95 395	0 0	0	5 44	7 14
East North Central States: Ohio	10	0	270	441	1	o	30	11
Indiana	0	4	161	176 451	1	2	1 24	0
Illinois Michigan	25 5	4 3 6 2	286 231	171	11	2 3 0	9	68
Wisconsin West North Central States:	5 1	2	203	311	ī	16	1	5
West North Central States:		.	121	238	2	0	1	1
Minnesota Iowa	2	1 2 2 0 1	67	84	õ	2	7	9
	6	2	103	125	1	4	23	3
Missouri		0	57 37	- 48 35	10	426	23 3 2 0	1 9 3 2 0
Missouri	2	1					51	š
Missouri North Dakota South Dakota	2 2 6 2 0 1	1	33	77	0	72	01	U
Missouri North Dakota South Dakota Nebraska Kansas	2 0 1 4	1 0 0			1	72 11	6	0 7
Missouri North Dakota South Dakota Nebraska Kansas South Atlantic States:	1	ő	, <sup>33</sup> , <sup>90</sup>	77	1	72 11 0	6	
Missouri North Dakota South Dakota Nebraska Kansas South Atlantic States: Delaware Marviand <sup>3</sup>	1 4 0 3	0000	33 90 7 71	77 140 6 80	1	0	6	
Missouri North Dakota South Dakota Nebraska Kansas South Atlantic States: Delaware Maryland <sup>2</sup> District of Columbia	1 4 0 3	0000	33 90 7 71 12	77 140 6 80 8	1	0	6	
Missouri North Dakota South Dakota Nebraska Kansas Bouth Atlantic States: Delaware Maryland <sup>2</sup> District of Columbia Vicerinia	1 4 0 3	0000	33 90 7 71 12	77 140 6 80 8 74	1	0 0 0	6 1 8 0 7 7	
Missouri North Dakota South Dakota Nebraska Kansas South Atlantic States: Delaware Maryland <sup>1</sup> District of Columbia Virginia	1 4 0 3	0000	33 90 7 71 12 53 72 94	77 140 6 80 8 74 132 56	1 0 0 0 0 0	0 0 0 1 0	6 1 8 0 7 7	
Missouri	1 4 0	ő	33 90 7 71	77 140 6 80 8 74 132	1 0 0 0 0	0 0 0 0 1	6	0 7 312 16 6 3 5 6

See footnotes at end of table.

99429°-36-2

#### November 27, 1936

#### 1650

	Polion	nyelitis	Scarle	et fever	Sma	lipox	Typhoid fever	
Division and State	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935	Week ended Nov. 14, 1936	Week ended Nov. 16, 1935
East South Central States: Kentucky	3	3	47	59	0	0	19	14
Tennessee	10	4	68	96	Ĭ	ĭ	22	ii
Alabama 4	1	2	31	27	0	0	6	10
Mississippi <sup>3</sup> <sup>4</sup> . West South Central States:	3	0	26	13	0	0	3	6
Arkansas	7	0	19	7	0	0	14	
Louisiana	2	2	17	8	i i	ŏ	6	<b>2</b> 11
Oklahoma I	25	Ī	23	13	Ī	ŏ	ğ	ii
Texas 4	3	0	47	66	1	Ō	10	27
Mountain States:							1	
Montana	0	0	50	120	8	277	5	4
Idaho Wyoming	0 1	0	31 15	63		0	7	2
Colorado	10	4	42	44	1	2 7	0 0 5	1
New Mexico		ō	14	86 23	Ó	ó		ő
Arizona	ī	ŏ	29	17	ŏ	ŏ	ĭ	ő
Utah <sup>2</sup>	Ō	Ó	13	83	i	Ŏ	ō	ŏ
Pacific States:								
Washington	1	1	46	52	0	33	1	3
Oregon	Ō	6	37	53	0	0	0	5
California	8	12	211	250	0	0	6	14
Total	161	122	3, 613	4, 927	48	439	327	275
irst 46 weeks of year	4,075	10, 268	208, 439	216, 863	6, 579	6, 313	13, 348	16, 271

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Nov. 14, 1936, and Nov. 16, 1935—Continued

<sup>1</sup> New York City only. <sup>9</sup> Week ended earlier than Saturday.

Week ended earlier than osturday.
 Rocky Mountain spotted fever, week ended Nov. 14, 1936: North Carolina, 1 case.
 Typhus fever, week ended Nov. 14, 1936, 35 cases, as follows: South Carolina, 1; Georgia, 24; Alabama, 3; Mississippi, 1; Texas, 6.
 Exclusive of Oklahoma City and Tulsa.

#### SUMMARY OF MONTHLY REPORTS FROM STATES

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

State	Menin- gococ- cus menin- gitis	Diph- theria	Influ- enza	Mala- ria	Mea- sles	Pel- lagra	Polio- mye- litis	Scarlet fever	Small- pox	Ty- phoid fev <b>er</b>
October 1936 Idaho Indiana Iowa Nebraska New Jersey New Mexico. North Dakota West Virginia Wyoming	1 15 6 2 6 1 1 1	3 145 28 7 55 26 4 171 2	21 117 7 1 44 6 9 67	  3 32 	169 12 15 8 127 80 5 19 4	   1 	3 22 27 5 5 9 5 19 2	156 356 252 94 140 58 100 348 36	6 4 20 7 0 27 0 5	14 83 22 3 19 86 8 90 3

#### 1651

#### October 1936

Anthrax: C: New Jersey Chicken pox: Idaho Indiana New Jersey New Jersey New Mexico.	43 110 123 43 327		18 30 24 19 24	Tetanus:     O       New Jersey.     Trachoma:       Iowa     Iowa       North Dakota     Trichinosis:       New Jersey.     Tularaemia:       Iowa     Iowa	. 3 . 6
West Virginia	65 4 1 2 3 9 2 12 15 1 3 1 1 1	North Dakota West Virginia. Wyoming. Ophthalmia neonatorum: New Jersey. Paratyphoid fever: New Jersey. West Virginia. Wyoming. Puerparal septicemia: New Mexico. Rables in animals: Indiana. New Jersey. New Mexico. Rables in man: New Jersey. Scables: Idaho. Septic sore throat: Idaho. Nebraska. New Mexico.	15 10 6 1 2 1 1 48 9 6 1	Undulant fever: Indiana Iowa New Jersey New Mexico West Virginia Wyoming Vincent's infection: Idaho Indians North Dakota Whooping cough: Idaho Indiana Iowa Nebraska New Jersey New Mexico North Dakota West Virginia Wyoming	15 6 1 1 2 1 17 13 64 93 30 379 12 2 66

PLAGUE INFECTION IN SAN BERNARDINO COUNTY, CALIF.

Plague infection has been reported proved, by animal inoculation, in fleas taken from 24 ground squirrels, *Citellus beecheyi fisheri*, shot October 10, 1936, in Holcomb Valley, 6 miles north of Pine Knot, in San Bernardino County, Calif.

#### 1652

#### CASES OF VENEREAL DISEASES REPORTED FOR SEPTEMBER 1936

These reports are published monthly for the information of health officers in order to furnish current data as to the prevelance of the venereal diseases. The figures are taken from reports received from State and city health officers. They are preliminary and are therefore subject to correction. It is heped that the publication of these reports will stimulate more complete reporting of these diseases.

#### **Reports from States**

reported month         case rate population         reported month         case rate population         reported month         reported population           labama 1		8 <b>y</b> 1	ohilis	Gone	orrhea
rirona		reported during	case rates per 10,000	reported during	Monthly case rates per 19,000 population
rhamss.       241       1.21       142         alfornis.       1,358       2.41       1,464       2         connecticut.       196       1.15       123       .         strict of Columbia.       196       3.30       221       2         strict of Columbia.       196       3.30       221       2         storida       227       1.41       983       .         orgia       1,278       3.82       572       1         abo       1,17       1.43       1,181       1         inois       1,177       3.82       572       1         abo       102       30       116       .       .         musiana       117       1.43       1,181       1       .         atno       117       1.43       1,181       1       .         musiana       127       50       187       .       .         atno       27       .       .       .       .       .         atno       127       .       .       .       .       .       .         atno       .       .       .       .       .       .	Alabama <sup>1</sup>				
alifornia       1,258       2.41       1,454       2         nonecticut       196       1.15       123       1         elaware       196       1.15       123       1         elaware       196       3.30       221       2         forida       227       1.41       93       -         orida       127       1.41       93       -         aho       1.8       3.82       572       1         aho       1.8       3.83       31       -         inois       1.17       1.43       1.181       1         mass       1.102       30       1.16       -         wa *       331       1.16       257       -         ano *       331       1.16       257       -         uisiana       331       1.16       257       -         aine *       44       52       58       -       -         assochusetts       663       1.06       571       1       -         ississippid       1,715       8.75       2.300       12       -         issestippid       1,715       8.75       2.300       12 <td>Arizona</td> <td></td> <td></td> <td></td> <td>1.92</td>	Arizona				1.92
alorado <sup>3</sup> 115       133         claware       196       4.26       61         barret cof Columbia       196       4.26       61       1         strict of Columbia       127       1.41       93       3         strict of Columbia       1,17       1.43       1,181       1         inois       1,117       1.43       1,181       1         idiana       127       50       187       1         wa <sup>3</sup> 31       1.16       257       1         uisiana       121       57       72       1         aine <sup>4</sup> 52       68       1       257       1         uisiana       106       509       334       2       334       2         assachusetts       663       1.96       509       1       1       1       1       1       1       1       1       1       1       1       1       1       1					.71
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	California	1,358	2. 41	1, 484	2.63
elaware       100       4.26 $51$ 1         istrict of Columbia       227       1.41       98       221       3         sorgis       1.273       3.82       572       1         inois       1.273       3.82       572       1         inois       1.117       1.43       1.181       1         inois       1.117       1.43       1.181       1         wa *       127       50       187       3         ansss       80       47       49       3         wa *       121       57       72       3         ansss       331       1.16       257       1         uisiana       121       57       72       3         aryland       849       6.09       334       2         asschusetts       663       1.06       571       1         innesota       364       765       2.390       12         issouri       212       54       245       5         ostaaa *       13       12       24       245         sesska       31       22       24       24         ow langey 4	Colorado *				
istrict of Columbia       190       3.30       221       4         iorida       227       1.41       98       .         aho       18       38       31       .         inois       1,17       1.43       1,181       .         diana       102       30       116       .       .         diana       102       30       116       .       .       .         mass       50       .47       49       .	Connecticut	198	1.15	123	.72
istrict of Columbia       190       3.30       221       3.30         oorida       227       1.41       96       .         abo       1.273       3.82       572       1.         abo       18					1.99
orida       227       1.41       93         soorgia       1,273       3.82       572       1.         abo       13       .33       31       .         inois       1,117       1.43       1,181       1.         inois       1,117       1.43       1,181       1.         wa *       122       .30       116       .         wa *       127       .50       187       .         ansss	District of Columbia	196			2.72
borgis       1,278       3.62       572       1.         abo       13       38       31       .         inois       1,17       1.43       1,181       1.         diana       102       .30       116       .         ansas       102       .30       116       .       .         ansas       80       .47       49       .       .       .         ansas       331       1.16       257       .					. 59
ab5       18       38       31         inois       1, 117       1.43       1, 181       1.         inois       1, 117       1.43       1, 181       1.         wa*       102       .30       116					1.71
inois       1, 117       1, 43       1, 181       1.         diana       102       30       116       1.         anss       803       .47       409       .         anss       803       .47       409       .         usisiana       121       .57       72       .         aryland       849       5.09       334       2.         assachusetts       843       1.06       571       1.         insessingpt       .       306       1.16       331       1.         ississingpt       .       .       .       .       .       .         ississingpt       .					.65
dians.       102       30       116         wa <sup>1</sup>			1.49		
wa $^3$ 127       50       187         ansss       30       47       49         usisana       121       .57       72         usisana       121       .57       72         aryland       849       5.09       334       2.         assochusetts       463       1.06       571       1.         innesota       306       1.16       331       1.         ississippi       1.715       8.75       2.390       122         issouri       212       .54       245       245         ontans <sup>1</sup> 21       .54       .62       .7         ww Hampshire       31       .23       .22       .7       .7         ww Mexico       43       1.19       46       1.       .7         of <sup>3</sup> .11       .11       .11       .11       .11       .11       .11       .11       .11       .11       .11       .11       .11					1. 51
anss.       86       47       49         mtucky       331       1.16       257         aine <sup>3</sup> 44       52       68         aryland       44       52       68         assochusetts       443       50       9         assochusetts       463       1.06       571       1.         ichigan       633       1.36       705       1.         innesota       306       1.16       331       1.         ississippi       1.16       231       1.       1.         ississippi       2.2       54       245       245         ontana *       31       23       52       2.         evada *       31       23       52       2.         ww Hampshire       14       28       7       .         ww Yersey '-       .					.34
mtucky       331       1.16       257         uuisiana       121       .57       72         aryland       849       5.09       334       2         aryland       849       5.09       334       2         aryland       633       1.06       571       1         ichigan       633       1.36       705       1         ichigan       633       1.36       705       1         ississippi					.74
nuisiana       121       57       72         aine $3$ aryland       52       68       .         aryland       849       5.09       334       2         assochusetts       463       1.06       571       1.         innessota       306       1.16       331       1.         ississippi       1.715       8.75       2.800       12         ississippi       1.715       8.75       2.800       12         ississippi       1.715       8.75       2.800       12         ontana *       45       .85       65       1.         own and *       31       .23       .52					. 27
aine *       44       52       58         aryland       849       5.09       334       2         assachusetts       463       1.06       571       1         ichigan       633       1.36       705       1         innesota       306       1.16       331       1         ississippi       1,715       8.75       2,290       12         issouri       212       54       245       .         ontana *       45       .85       65       .         ontana *       45       .85       65       .         ontana *       .					. 90
aryland       849       5.09       334       2         assachusetts       463       1.06       571       1.         innesota       306       1.16       331       1.         ississippi       1.715       8.75       2.800       12         issouri       212       54       245       245         ontana <sup>1</sup> 45       85       65       1.         braska       31       -22       54       245         owtana <sup>1</sup> 45       85       65       1.         wada <sup>1</sup> 31       -23       52       -         ww Hampshire       31       -23       52       -         ww York       7,196       5.58       2,260       1.         orth Dakota       13       .19       66       1.         oi <sup>3</sup> -       541       81       325       -         clahoma <sup>3</sup> 66       167       -       -       -         oid <sup>3</sup> -       541       81       325       -       -         clahoma <sup>3</sup> 66       167       -       -       -       -       -       -					. 34
assichusetts.       463       1.06       571       1.         ichigan.       306       1.36       705       1.         innesota.       306       1.16       331       1.         ississipt       1.16       331       1.       1.         ississipt       22       54       245       245         ontana *       45       85       65       1.         braska       31       23       52       .         wW dat       31       23       52       .         wW Hampshire.       14       .       28       7       .         wW Mexico.       7.196       5.58       2.200       1.         wrth Carolina.       1.821       5.33       674       1.         orth Dakota.       1.3       1.9       61       1.         orth Dakota.       1.3       19       51       1.         orth Carolina *       277       164       .       .         orth Dakota.       8       1.44       65       .         orde Island.       98       1.44       65       .         uth Carolina *       297       1.48       396 <t< td=""><td>Maine 3</td><td></td><td>. 52</td><td>58</td><td>. 69</td></t<>	Maine 3		. 52	58	. 69
assichusetts.       463       1.06       571       1.         ichigan.       306       1.36       705       1.         innesota.       306       1.16       331       1.         ississipt       1.16       331       1.       1.         ississipt       22       54       245       245         ontana *       45       85       65       1.         braska       31       23       52       .         wW dat       31       23       52       .         wW Hampshire.       14       .       28       7       .         wW Mexico.       7.196       5.58       2.200       1.         wrth Carolina.       1.821       5.33       674       1.         orth Dakota.       1.3       1.9       61       1.         orth Dakota.       1.3       19       51       1.         orth Carolina *       277       164       .       .         orth Dakota.       8       1.44       65       .         orde Island.       98       1.44       65       .         uth Carolina *       297       1.48       396 <t< td=""><td>Asrvland</td><td>849</td><td>5.09</td><td>334</td><td>2.00</td></t<>	Asrvland	849	5.09	334	2.00
ichigan       633       1.36       705       1         innesota       306       1.16       331       1         ississippi       1,715       8,75       2,290       12         issouri       212       54       245       .         ontana *       45       .85       65       .         ovada *       31       .23       .       .         wada *       31       .23       .       .         wada *       .       .       .       .         waw Hampshire	assachusetts	463	1.06		1.31
innesota       306       1.16       331       1         ississipid       1,715       8.75       2,390       12         ississipid       212       .54       245       245         ontana *       31       .23       52       .2         ow Hampshire       31       .23       52       .2         ww Harpshire       14       .28       7       .         ww Verkey !					1. 51
ississippi					1.26
issouri       212       54       245         ontans 1       45       85       65       1         braska       31       -23       52       -         ow Hampshire       14       .28       7       -         ow Vaca 1       .23       .23       .23       .23         ow Hampshire       14       .28       7       -         ow Mersey 1       .19       46       1       .         ow Mexico       43       1.19       46       1         orth Carolina       1,821       5.33       674       1         of 3       .19       51       .       .       .         clahoma 3					
ontains *         45         85         65         1.           byrasks         31         -23         52         .         .           ww da *         .					
bbraska					. 63
avada *       14					1. 22
aw Hampshire.       14       .28       7         aw Jersey 1		31	. 23	52	. 38
w Jersor 1					
w Jerséy 1       48       1.19       46       1.         w Mexico.       7,196       5.58       2,260       1.         th Carolina.       1,821       6.33       674       1.         th Dakota.       13       .19       51       5 $o^3$ 641       81       325       5         ahoma 3       66       .66       167       5         gon       43       .43       118       1         nsylvania 4       274       .27       154       .         ob Island       98       1.44       65       .         th Dakota       8       .12       45       .         nessee 3	w Hampshire	14	. 28	7	. 14
w Mexico					
w York       7,196       5,58       2,260       1.         th Carolina       1,821       5,33       674       1.         th Dakota       13       .19       51       .         io <sup>3</sup> 641       .81       325       .         iahoma <sup>1</sup> .66       .66       167       .         igon       43       43       118       1.         unsylvania <sup>4</sup> .274       .27       154       .         ode Island       .98       1.44       65       .         th Carolinin <sup>3</sup> .297       1.48       396       1.         inessee <sup>3</sup>		48	1 19	46	1. 14
rth Carolina       1,821       5.33       674       1         rth Dakota       13       19       51       1         ito 3       541       81       325       1         iahoma 4       106       66       167       1         ogon       43       43       118       1         nnsylvania 4       274       27       154       1         ode Island       98       1.44       65       1         oth Carolina 3       297       1.48       396       1         nth Carolina 4       8       12       45       1         nessee 4       515       1.77       268       1         rmont       33       88       32       1         ginia       467       1.77       277       1         st Virginia       194       1.19       424       2       1         st Virginia       214       1.18       117       4					1.75
th Dakota					1.97
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					.73
homa *       166       .66       167       .         on       43       43       118       1.         sylvania 4					
yon     43     43     118     1       nsylvanla 4     274     27     154     1       nsylvanla 4     274     27     154     1       nsylvanla 4     65     1     1     1       nc farolinn 3     297     1.48     396     1       n Dakota     8     12     45     1       nessee 3     515     1.77     268     1       s.     275     .45     104     1       na     33     .88     32     5       nont     33     .88     32     5       inia     194     1.19     424     2       t Virginia     214     1.18     117     6       onsin 5     26     .09     167     6					. 48
isylvania 4					. 67
le Island	0II				1.17
h Carolina 3					. 15
h Dakota     8     .12     45       nessee 3     515     1.77     268       s     275     .45     104       a     .88     32     .6       a     .88     32     .6       nat     .88     32     .6       y					. 95
essee 3     515     1.77     268       2     275     .45     104       ont     33     .88     32       nia					1.97
ssee 3         515         1. 77         268         .					. 67
s     275     .45     104     .1       2     .001     .33     .88     32     .6       nia     .101     .101     .101     .101       ington     .104     .101     .101     .101       Virginia     .101     .101     .101     .101       nsin b     .101     .101     .101     .101       214     1.18     .117     .101       205     .009     .167     .101					. 92
h *	85	275	. 45	104	. 17
mont.         33         88         32         1           ginia.         467         1.77         277         1           shington         194         1.19         424         2           st Virginia.         214         1.18         117         .6           sconsin 5.         26         .09         167         .6					
rginia		32	. 88	32	. 85
asbington 194 1.19 424 2.6 sst Virginia 214 1.18 117 . isconsin \$ 26 .09 167 .1					1.05
est Virginia					2.60
isconsin <sup>b</sup>					
					. 64
yoming *		26	. 09	167	. 57
	ming *[				
al	al	22,087	1, 86	15, 101	1.27

See footnotes at end of table.

	Syp	hilis	Gono	rrhea
	Cases reported during month	Monthly case rates per 10,000 population	Cases reported during month	Monthly case rates per 10,000 population
Akron, Ohio <sup>1</sup>				
Atlanta, Ga.1				
Baltimore, Md.1				
Birmingham, Ala Boston, Mass	146 204	5.17 2.58	51 225	1.81
Buffalo, N. Y. <sup>1</sup>	.201	2.08	220	2.85
Chicago, Ill	632	1.77	886	2.48
Cincinnati, Ohio <sup>1</sup>	002		000	4. 10
Cleveland, Ohio 1				
Columbus, Ohio 1				
Dallas, Tex	83	2.87	22	.76
Dayton, Ohio <sup>1</sup>				
Denver, Colo	50	1.69	47	1.58
Detroit, Mich. <sup>1</sup>				
Houston, Tex.	249	7.44	74	2. 21
Indianapolis, Ind. <sup>1</sup>				
Jersey City, N. J. <sup>1</sup>				
Los Angeles. Calif		2.52	368	2.57
Louisvile, Ky		10. 21	257	7.93
Memphis, Tenn. <sup>1</sup>	001	10. 21	201	1.00
Milwaukee, Wis, <sup>1</sup>				
Minneapolis, Minn	60	1.23	125	2.57
Newark, N. J. <sup>1</sup>				
New Orleans, La. <sup>1</sup>				
New York, N. Y	6, 149	8.42	1, 446	1.98
Oakland, Calif	36	1. 19	55	1.81
Omaha, Nebr.1				
Philadelphia, Pa. <sup>1</sup> Pittsburgh, Pa. <sup>1</sup>				
Portland. Oreg. <sup>1</sup>				
Providence, R. I. <sup>1</sup>				
Rochester, N. Y. <sup>1</sup>				
St. Louis, Mo	248	2.97	66	. 79
St. Paul. Minn	17	. 60	44	1.56
San Antonio, Tex	9	. 36	29	1.15
San Francisco, Calif. <sup>1</sup>				
Seattle, Wash	103	2.71	197	5.19
Syracuse, N. Y.1				
Toledo, Óhio	41 196	1.35	28	. 92
	1981	8.94	221	4.45

#### Reports from cities of 200,000 population or over

<sup>1</sup> No report for current month.
<sup>2</sup> Not reporting.
<sup>3</sup> Incomplete.
<sup>4</sup> Includes only those cases that enter the clinic conducted by the State department of health.
<sup>4</sup> Only cases of syphills in the infectious stage are reported.
<sup>5</sup> Reported by the Jefferson Davis Hospital; physicians are not required to report venereal diseases.
<sup>7</sup> Reported by the Social Hygiene Clinic.

#### 1654

#### WEEKLY REPORTS FROM CITIES

#### City reports for week ended Nov. 7, 1936

This table summarizes the reports received weekly from a selected list of 140 cities for the purpose of showing a cross section of the current urban incidence of the communicable diseases listed in the table. Weekly reports are received from about 700 cities, from which the data are tabulated and filed for reference.

	Diph-	Inf	luenza	Mea-	Pneu-	Scar- let	Small-	Tuber-	Ty- phoid	Whoop-	Deaths,
State and city	theria cases	Cases	Deaths	sles cases	moni <b>a</b> deaths	fever cases	pox cases	culosis deaths	fever cases	ing cough cases	all causes
Maine: Portland	0		0	0	• 7	• 2	0	1	0	0	40
New Hampshire: Concord	0		0	0	1	0	0	0	0	0	8
Manchester Nashua Vermont:	0		0	0 0	1	0 1	0	1	0	0	20
Barre Burlington Rutland	0		0	0	 0 1	0	0	0 0	0	0	 14 8
Massachusetts: Boston	1		0	4	21	29	0	12	2	96	231
Fall River	0		Ó	0	3	1	0	0	Ō	0	23
Springfield Worcester	O O		8	20	0	1	0	0	1	8 31	25 54
Rhode Island:	ľ		ľ	~	<b>1 1</b>			-	U	01	01
Pawtucket Providence Connecticut:	0		0	0	0 5	0 8	0	0 4	0 0	0 7	22 68
Bridgeport Hartford	1 0		0	11	05	1 22	0	02	0	03	29
New Haven	ŏ		Ŏ	10	8	2	ŏ	1	ŏ	9	41 51
New York: Buffalo	0	l	0	9	6	13	0	6	0	11	136
New York	18	8	1	33	85	76	0	84	07	66	1, 411
Rochester Syracuse	0		0 1	1	5 1	3 1	0	3 0	0	3 29	76 37
New Jersey: Camden	4		0	0	0	0	0	2	1	3	36
Newark Trenton	0 0		0 1	Ŭ O	4	4	Ŏ	4 1	Õ	26 0	73 38
Pennsylvania: Philadelphia	2 7		5	3	21	53	0	26	3	136	444
Pittsburgh Reading	0	1	1 0	3 3 0	31 1	45 5	0	6 1	0	19 21	186 18
Scranton	0			0		3	0		0	1	
Ohio: Cincinnati	5		0	1	19	5	0	4	1	11	142
Cleveland	5 1	9	0	2	11	23 8	أف	14	20	82	211
Columbus	- 2		0	1	3	8	Õ	1	0	5	88
Toledo Indiana:	1	1	1	1	7	3	0	5	1	6	76
Anderson	0		. 0	Ő	1	4 2 7 4	0	0	0	0	8
Fort Wayne Indianapolis	0 1		1	0 3 0	9	7	0	1	0	0	26
Muncie	0		Ō	ŏ	1	4	ŏ	1	1	1 0	96 12
South Bend	0		0	0	2	1	0	0	0	8	18 14
Terre Haute	Ó		0	0	Ō	2	0	0	0	Ö	14
Illinois:	0		0	0	2	1	0	ol	0	0	16
Alton Chicago	6	7	3	5 0	40	122	Ó	35	1	47	635 11
Elgin	Ő		Ō	0	2	0	0	0	0	5	11
Moline	0		0	1	02	1	0	0	00	1	7 18
Springfield Michigan:	0		Ů	1	Z	۳	U	٧	۲	•	15
Detroit	12	1	0	1	19	74	0	16	2	68	276
Flint	0		0	2	3	7	0	0	0	3	21
Grand Rapids.	0		0	4	1	5	0	1	0	8	35
Wisconsin: Kenosha	0		0	0	0	Б	0	0	0	ol	5
Madison	0		0	0	1	52	0	Ó	0	13	5 13 105
Milwaukee	0	2	2	0	9	23	0	3	0	33	105
Racine	1		Ō	0	0	3	Ő	2	0	1	14
Superior	0		0	1	0	1	0	۷	0	8	4
Minnesota:								_			
Duluth	0		0	0	1	19	0	8	0	6	25
Minneapolis St. Paul	19 0	····-i	0	02	10	13 10	8	8	0	7 9	103 57
St. 1 aui		* 1	1.	21		10.1	ų i			91	

#### City reports for week ended Nov. 7, 1936—Continued

	Dinh	Inf	luenza	Mea-	Pneu-	Scar-	Small-	Tuber-	Ту-	Whoop-	Deaths.
State and city	Diph- theria cases	Cases	Deaths	sles cases	monia deaths	let fever cases	pox cases	culosis deaths	phoid fever cases	ing cough cases	all causes
lows:											
Cedar Rapids Davenport	0					0			0		
Des Moines	i i			Ō		3	Ó		Ó	0	31
Sioux City Waterloo				0		2 3			0	3	
Missouri:	-			-		0			U	0	
Kansas City	2		0	1	14	10	0	3	0	2	92
St. Joseph St. Louis	2		0	2	10	18	0	3	1	7	198
North Dakota:									0	0	
Fargo Grand Forks	0		0	0	1	1	0	0	ŏ	ŏ	12
Minot	Ō		0	Ó	0	0	0	0	0	0	8
South Dakota: Sioux Falls	0	1	0	0	0	0	0	0	0	0	13
Nebraska:											
Omaha Kansas:	0		0	1	12	2	0	2	0	0	63
Lawrence	0	2	1	0	1	Q	0	0	0	0	10
Topeka Wichita	0	1	1 1	0 0	2 3	1 7	0	0 1	0 0	0 0	22 21
Delaware: Wilmington	1		0	0	3	0	0	0	0	3	25
Maryland: Baltimore	4	7	3	5	12	20	0	19	3	68	229
Cumberland	0		0	1		1	0	1	0 0	6 U	11
Frederick District of Colum-	U			v	Ů	-	Ů	v	U	0	6
bia:		3		E	1.0	10	0	10	1	07	1
Washington Virginia:	15	3	0	5	16	18		18		27	177
Lynchburg	0		0	1	. 0	3	0	1	0 0	3	17
Norfolk Richmond	05		01	0	1 6	3	0	$\frac{2}{1}$	2	0	51
Roanoke	Ĭ		Ō	Ŏ	3	ĩ	Ó	Ō	Ū	i	23
West Virginia: Charleston	1	1	0	0	3	0	0	0	0	0	14
Huntington	3			0		5	0		0	0	
Wheeling North Carolina:	0		0	0	1	2	0	0	0	3	17
Gastonia	1		0	0	0	0	0	0	0	0	
Raleigh Wilmington	4		0	0	0	2	0	0		2	14
Winston-Salem.	ō		ŏ	ŏ	Ž	3	Ŏ	ĭ	Ŏ	2 0	16
South Carolina: Charleston	5	1	0	0	2	3	0	2	0		21
Columbia	0		1	Ó	6	0	0	0	Ō	0	31
Florence	0		0	0	3 0	0 1	0	2 1	0	0 0	11 8
Greenville Georgia:				-					-		
Atlanta	9	12	0	0	4	12 1	0	4	0	0	93 5
Brunswick Savenneh	2	1	·	ŏ	ĭ	î	ŏ	ō	Ŏ	ĭ	30
Florida:	1	1	0	0	0	0	0	0	0	0	19
Miami Tampa	i		ŏ	ŏ	1	ŏ	ŏ	ŏ	ŏ	1 1	18
Kentucky:	Ι.		0	0	0	3	0	2	0	0	1.5
Ashland Covington	10		Ó	0	Ó	0	0	0	0	0	15 13
Lexington	0		0	5	1	0	0	2	2	0	24
Tennessee: Knorville	5		0	1	2	0	0	1	0	0	21
Memphis	4		0	Ő	15	12 2	0	4	0	1	122
Nashville Alabama:	0		°	0	4				-		64
Birmingham	4	1	1	0	7	3 1	0	22	8	0	62 21
Mobile Montgomery	i			Ŭ		Ō	ŏ		ŏ	ŏ	
Arkansas:				_			0		0	0	
Fort Smith Little Rock	20		0	0	5	3 0	Ŭ	3	ŏ	ŏ	8
Louisiana:						-					
New Orleans Shreveport	11 0	4	0	0	21 7	4 0	0 0	71	0 0	1 0	148 36
Oklahoma: Oklahoma City	1	10	0	Q	7	4	0	2	0	0	47
Tulsa	Ī	·	·	0	0	5	0 1	0	41	0 1	••••••

#### 1656

State and site	Diph- theria	•	luenza	Mea- sles	Pneu-	Scar- let	Small-	Tuber-	Ty-	Whoop- ing	Deat
State and city	Cases		Deaths	S163 C8363	monia deaths	fever cases	pox cases	deaths	fever cases	cough cases	caus
Texas:											
Dallas.	2	5	5	0	8	4	0	1	0	1 1	
Fort Worth	3		0	Ó	8	2	1 0	1	1	0	
Galveston	Ó		Ó	Ó	17	Ō	Ó	1	Ó	Ó	
Houston	1		0	0	7	2	0	3	1	0	
San Antonio	0		2	Ó	4	0	Ó	3	0	0	
Montana:											
Billings	0		0	0	1	1	1	0	0	0	
Great Falls	0		0	0	22	0	0	0	Ó	4	
Helena	0		0	0		0	0	0	0	0	
Missoula	0		0	1	1	0	0	0	0	0	
daho: Boise											
Colorado:											
Colorado		1		•						1 1	
Springs	0		0	0	0	0	0	0	0	0	
Denver	2		1	1	4	10	0	2	0	34	
Pueblo	0		0	0	0	0	1	0	1	0	
New Mexico:		1	<u> </u>								
Albuquerque	0		0	1	2	2	0	8	0	0	
Itah:		ł								-	
Salt Lake City_	0		0	0	0	6	0	1	0	3	
levada: Reno											
Vashington:									-		
Seattle	0		3	2	7	2	0	1	2	3	
Spotone	ŏ		ŏ	ĩ	3	23	ŏ	ō	ő	ı i	
Spokane Tacoma	ŏ		ŏ	ō	2	ő	ŏ	ŏ	ĭ	ō	
regon:	v		v	, v	-	v		v	-		
Portland	0	2	1	0	7	7	0	0	3	1	
Salem	ĭ		-	ŏ		il	ŏ	Ť	ŏ	2	
California:	-			Ť		- 1	° I		° I	-	
Los Angeles	15	6	0	3	18	23	0	21	0	53	3
Sacramento	3		0	4	5	37	Ó	0	1	2	-
San Francisco.	4		. 0	$\bar{2}$	5	17	0	7	0	22	1
						1					
					11			1			
	 	Mening	ococcus	Polio-	1			:	Mening	ococcus	Polid
State and city		Mening menin	ococcus ngiti <b>s</b>	Polio- mye-		State a	nd city	:	Mening menir	ococcus ngitis	mye
State and city	-	menin	ngiti <b>s</b>	mye- litis		State a	nd city	-	menir I	ngitis	mye litis
State and city	-	Mening menin Cases	ococcus ngitis Deaths	mye-	-	State a	nd city	-	Mening menir Cases	ococcus ngitis Deaths	mye litis
	-	menin	ngiti <b>s</b>	mye- litis					menir I	ngitis	mye litis
		menin	ngiti <b>s</b>	mye- litis	14 1	rict of ( Washin	Columbi		menir I	ngitis	mye litis
assachusetts: Boston ew York:		menin Cases	Deaths	mye- litis cases	Virg	rict of ( Washin inia:	Columbi gton		Cases 5	Deaths	mye litis
assachusetts: Boston ew York: New York Syracuse		Cases	ngitis Deaths	mye- litis cases	Virg J Flor	rict of ( Washin inia: Norfolk ida:	Columbi gton		Cases 5 1	Deaths 2 0	mye litis
lassachusetts: Boeton ew York: New York Syracuse ew Jersey:		menin Cases 2 9 0	Deaths 1 2 0	mye- litis cases 0	Virg Flor	rict of ( Washin inia: Norfolk ida: Miami	Columbi gton		Cases 5	Deaths	mye litis
Iassachusetts: Boston w York: New York Syracuse ew Jersey: Newark ennsylvania:		menin Cases 2 9 0 2	Deaths Deaths 1 2 0 0	mye- litis cases 0 1 1	Virg Flor Tenn	rict of ( Washin, inia: Norfolk ida: Miami_ nessee: Memph	Columbi gton	ia: 	Cases 5 1	Deaths 2 0	mye litis
lassachusetts: Boeton ew York: New York Syracuse w Jersey: Newark ennsylvania: Philadelphia Pittsburkh		menin Cases 2 9 0	Deaths 1 2 0	mye- litis cases 0	Virg Flor Tenn	rict of ( Washin, inia: Norfolk ida: Miami_ nessoo: Memph unsas:	Columbi gton	a: 	menir Cases 5 1 1	Deaths 2 0 1	mye litis
lassachusetts: Boeton w York: New York Syracuse ew Jersey: Newark ennsylvania: Philadelphia Pittsburgh		menin Cases 2 9 0 2 0 2	Deaths Deaths 1 2 0 0 0 0 0	mye- litis cases 0 1 1 1 1 0	Virg Flori Tenn Arks	rict of ( Washin inia: Norfolk ida: Miami_ nessee: Memph unses: Fort Sm siana:	Columbi gton is		menir Cases 5 1 1 0 0	Deaths 2 0 1 1 0	mye litis
Iassachusetts: Boeton ew York: New York Syracuse ew Jersey: Newark nnsylvania: Philadelphia Pittsburgh hio: Cincinnati diana:		menin Cases 2 9 0 2 0	Deaths Deaths 1 2 0 0 0	mye- litis cases 0 1 1 1	Virg Flor Ten Arka Loui	rict of ( Washin, inia: Norfolk da: Miami_ nessee: Fort Sm siana: New Or homa:	Columbi gton is ith leans		The second secon	Deaths Deaths 2 0 1 1	Polic mye litis case
lassachusetts: Boeton Wew York: Syracuse ew Jersey: Newark ennsylvania: Philadelphia Philadelphia Philadelphia Cincinnati Cincinnati Indianapolis		menin Cases 2 9 0 2 0 2	ngitis Deaths 1 2 0 0 0 0 0 0 0 1	mye- litis cases 0 1 1 1 1 0 0 0	Virg Flori Ten Arks I Loui Okla	rict of ( Washin inia: Norfolk ida: Miami_ nessee: Memph msss: Fort Sm msss: Fort Sm siana: New Or homa: Dklahon	Columbi gton is iith leans na City	a: 	menir Cases 5 1 1 0 0	Deaths 2 0 1 1 0	mye litis
Iassachusetts: Boeton w York: New York. Syracuse w Jersey: Newark Philadelphia Pittsburgh Cincinnati diana: Indianapolis Springfield		menin Cases 2 9 0 2 0 2 1	1 Deaths 1 2 0 0 0 0 0 0 0	mye- litis cases 0 1 1 1 1 0 0 0	Virg Flori Tem I Arks I Loui	rict of ( Washin inia: Norfolk ida: Mami- nessee: Mamph ansas: Fort Sm Siana: New Or homa: Dklahor Culsa	Columbi gton is	a: 	menir Cases 5 1 1 0 0 1	2 0 1 1 0 0	mye litis case
Iassachusetts: Boston Wew York: Syracuse ew Jersey: Newark Philadelphia Philadelphia Philadelphia Philadelphia itainan Philadelphia Philadelphia Springfield Indianapolis Springfield		menin Cases 2 9 0 2 0 2 1 0 3	1 Deaths 1 2 0 0 0 0 0 0 0 0 1 0	mye- litis cases 0 1 1 1 1 0 0 0 0 1	Virg Flori Tenn I Arka I Okla O Texa	rict of ( Washin, inia: Norfolk ida: Miami_ nessee: Miami_ nsas: Fort Sm siana: New Or homa: Dkiahor Fulsa S:	Columbi gton is is lith leans na City	ia: 	menir Cases 5 1 1 0 0 1 1 0	Deaths 2 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mye litis
Iassachusetts: Boeton Swy York: New York: Syracuse ew Jersey: emsylvania: Philadelphia Pittsburgh Dittsburgh Cincinnati diana: Indianapolis Springfield Detroit		menin Cases 2 9 0 2 0 2 1 0	ngitis Deaths 1 2 0 0 0 0 0 0 0 1	mye- litis cases 0 1 1 1 1 0 0 0	Virg J Flor J Tenn J Loui I Okla ( ) Texa F	rict of ( Washim inia: Norfolk da: Miami_ nessee: Memph msas: Fort Sn siana: New Or homa: New Or homa: New Or homa: Siana: New Or homa: New Or homa:	Columbi gton is iith leans na City	ia: 	menir Cases 5 1 1 0 0 1 1	Deaths 2 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mye litis case
Iassachusetts: Boston		menin Cases 2 9 0 2 0 2 1 0 3 1	ngitis Deaths 1 2 0 0 0 0 0 0 1 0 0 0	mye- litis cases 0 1 1 1 1 0 0 0 1 0 0 4	Virg Flori Tenn I Arks Loui Cola Okla C Texa F Mon	rict of ( Washin, inia: Norfolk dia: Miami_ nessee: Memph nsas: Fort Sm siana: New Or homa: Dklahor Sulsa- s: Ioustor tana:	Columbi gton is iith leans na City	ið:  	menin           Cases           5           1           0           0           1           0           0           1           0           0           1           0           0	Deaths 2 0 1 1 1 0 0 0 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 0 1	mye litis case
Iassachusetts: Boeton ew York: Syracuse ew Jersey: Newark ennsylvania: Philadelphia Philadelphia Philadelphia Pittsburgh Cincinnati Cincinnati Indianapolis Springfield Detroit innesota: Minneapolis		menin Cases 2 9 0 2 0 2 1 0 3	1 Deaths 1 2 0 0 0 0 0 0 0 0 1 0	mye- litis cases 0 1 1 1 1 0 0 0 0 1	Virg J Flori J Tenn J Loui I Okla Okla C Texa I Mon	rict of ( Washin inia: Norfolk ida: Nerfolk Memph msss: Fort Sn siana: New Or homa: Dklahor Fulsa s: Ioustor tana: Missout	Columbi gton is is lith leans na City	ið:  	menir Cases 5 1 1 0 0 1 1 0	Deaths 2 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mye litis case
Iassachusetts: Boeton ew York: New York. Syracuse w Jersey: Newark Philadelphia Philadelphia Ditsburgh Cincinnati diana: Indianapolis Springfield Detroit innesota: Minneapolis issouri:		menin Cases 2 9 0 2 0 2 1 0 3 1 0	ngitis Deaths 1 2 0 0 0 0 0 0 0 1 0 0 1 0 0 1	mye- litis cases 0 1 1 1 1 0 0 0 1 0 0 4 0 0 4	Virg Flori I Arks I Loui Okia G Texa F Mon	rict of ( Washin, inia: Norfolk (da: Memph msas: Fort Srr Siana: New Or homa: Dklahor Fulsa- s: Ioustor tana: Missoul: on:	Columbi gton is iith leans na City	ið:  	menin           Cases           5           1           0           0           1           0           0           0           1           0           0           1           0           0           1           0           0           0	Deaths 2 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	mye litis case
Iassachusetts: Boeton Syracuse Wark Mew York Syracuse Wark Mowark Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Philadelphia Cincinnati Indianapolis Springfield Lichigan: Detroit Innespolis Kansas City		menin Cases 2 9 0 2 0 2 1 0 3 1	ngitis Deaths 1 2 0 0 0 0 0 0 1 0 0 0	mye- litis cases 0 1 1 1 1 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0	Virg J Flor J Tenn Loui Loui Loui J Okla G Texa F Mon Toreg J Calif	rict of ( Washin, inia: Norfolk dia: Miami- nessee: Memph Sort Sn siana: New Or homa: New Or homa: New Or homa: Neahor Siana: Aussoul: on: ani: ortian:	Columbi gton is ith leans na City		menin           Cases           5           1           0           0           1           0           0           1           0           0           1           0           0	Deaths 2 0 1 1 1 0 0 0 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 0 1	mye litis case
Iassachusetts: Boeton ew York: New York. Syracuse ew Jersey: Newark Philadelphia Philadelphia Pittsburgh Cincinnati diana: Indianapolis Springfield Detroit innesota: Minnespolis issouri:		menin Cases 2 9 0 2 0 2 1 0 3 1 0 3 1 0 0 0	ngitis Deaths 1 2 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	mye- litis cases 0 1 1 1 1 0 0 0 1 0 0 4 0 0 4	Virg J Flor J Tenn Loui Loui Loui J Okla G Texa F Mon Toreg J Calif	rict of ( Washin, inia: Norfolk dia: Miami- nessee: Memph Sort Sn siana: New Or homa: New Or homa: New Or homa: Neahor Siana: Aussoul: on: ani: ortian:	Columbi gton is iith leans na City		menin           Cases           5           1           0           0           1           0           0           0           1           0           0           1           0           0           1           0           0           0	Deaths 2 0 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	mye litis case

#### City reports for week ended Nov. 7, 1936-Continued

Epidemic encephalitis.—Cases: New York, 2; Philadelphia, 1; Detroit, 1; Charleston, S. C., 1. Pellagra.—Cases: Boston, 1; Wilmington, N. C., 1; Savannah, 1; Birmingham, 1; Mobile, 1. Rabies in man.—Deaths: St. Louis, 1. Typhus feer.—Cases: Charleston, S. C., 1; Atlanta, 2; Savannah, 2; Montgomery, 1; Houston, 1. Smallpor.—Deaths: Munice, Ind., 1.

#### FOREIGN AND INSULAR

#### CANADA

Provinces—Communicable diseases—2 weeks ended October 31, 1936.— During the 2 weeks ended October 31, 1936, cases of certain communicable diseases were reported by the Department of Pensions and National Health of Canada as follows:

Disease	Prince Ed- ward Island	Nova Scotia	New Bruns- wick	Quebec	Ontario	Mani- toba	Sas- katche- wan	Al- berta	British Colúm- bia	Total
C erebrospinal meningitis Chicken pox Diphtheria Dysentery Erysipelas Influenza Lethargic enceph- alitis Measles Mumps Paratyphoid fever Pneumonia Poliomyelitis Scarlet fever Tuberculosis Typhoid fever Undulant fever Whooping cough	    	4 5  15  14  6	3 	1 350 119 222 8 	1 449 18 	103 8 7 3 1 112 23 2 23 2 2 65 164 55 5 5 7	155 3 	48 2 5    	1 151 5 10 7 134 68 	$\begin{array}{c} 3\\ 1,260\\ 163\\ 22\\ 22\\ 23\\ 23\\ 23\\ 23\\ 23\\ 326\\ 5\\ 338\\ 117\\ 968\\ 1\\ 1368\\ 967\\ 5\\ 660\\ \end{array}$

#### CHILE

Typhus fever—January-August 1936.—The following table shows the number of deaths from typhus fever, with rates per 100,000 inhabitants, in Chile for the period January to August 1936, inclusive:

Month	Deaths	Deaths per 100,000 inhabi- tants	Month	Deaths	Deaths per 100,000 inhabi- tants
January	77	20	May	46	12
February	65	18	June	37	10
March	62	16	July	44	11
April	29	8	August	61	16

#### 1658

#### JAMAICA

Communicable diseases—4 weeks ended October 31, 1936.—During the 4 weeks ended October 31, 1936, cases of certain communicable diseases were reported in Kingston, Jamaica, and in the island outside of Kingston, as follows:

Disease	Kingston	Other localities	Disease	Kingston	Other localities
Cerebrospinal meningitis Chicken pox Diphtheria Dysentery Erysipelas	 6 1	1 19 1 2 2 2	Leprosy Puerperal fever Tuberculosis Typhoid fever	1 	1 1 79 64

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

From medical officers of the Public Health Service, American consuls, International Office of Public Health, Pan American Sanitary Bureau, health section of the League of Nations, and other sources. The reports contained in the following table must not be considered as complete or final as regards either the list of countries included or the forms for the particular countries for which reports are given.

### CHOLERA

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[C ind	Cases:
<u>0</u>	Cases:
	dicates cases;

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	Mor	-	Mor	Tuna						Week	Week ended	1					
Flace	Apr. 25, 1936	May 30, 1936	June 27, 1936	July 25, 1036		Aug	August 1936		<u> </u>	Bej	September 1936	r 1936		õ	October 1936	86	
						<b>80</b>	15		8	2	51	10	8	3	10 17	<del>`</del>	*
Afghanistan															A		
Batticalon	0														8	_	ł
	24,028	21, 278	15, 291			1, 339 4,	128	544	100	675	286			$\frac{11}{11}$		$\frac{11}{11}$	::
	11, 745 137 65	10, 654 202 202	7, 672 262 152	2200 751 75	2628	2, 283 42 30 30 42 30 42 2, 283 42 2, 283 2, 2,	នួនន	हु 8 ध म	30 38 37 30 38 39	5°8	2, 556 76 47	82	<b>4</b> 8	888	38 38 38	100	88
	145 24	1386	2562 <sup>22</sup>	1, 923 795	604 313	2200 2200	761 307	718 320	388	345	395	751 325	313	327 3	24		
	799 357	1,012	089 971	1, 349	28	1- 388	87	18 591 1,	377 1,	1.22	19	683 1, 683	1.1	1, 1	1101	10 918	617 677
	1, 677 758 5	1,556 787 2	2, 064 902	3, 654 1, 621	1, 284 610	563		1,411 1,668	716 1,	1, 341 1, 678 4	*==8;		-			-	- i i.
	- 61 61	~~ ~	15	1	1 2	•	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6	6				•    -	•		69	° .
Punjab. Rangoon Sind State.	æ4	19	<sup>331</sup> 31	418 3	195 10	115 115 3	- 1887	<b>*</b> 88 -	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	78 9	-4 10	- <u>s</u>	6182	9			-
	641-	2	1-00-44	20 117 117	33	32		13	5			<b>≈</b> *		13			
-	rted.			1			<u>.</u> •	Buspected	cted.								:

FEVERContinued
<b>YELLOW</b>
AND
FEVER,
TYPHUS
SMALLPOX,
PLAGUE,
CHOLERA,

CHOLERA-Continued

[ C indicates cases; D, deaths, P, present]

		Mer	. 1	Mar	Ţ					Wee	Week ended-	1				
Place		Apr. 25,	26- May 30, 1936	31- 31- 1986	28- July 26, 1936		Augus	August 1936		đ	September 1936	r 1936		ŏ	October 1936	88
							۲۱ ۵۵	16 23	8	N)	ព	10	8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10 17	2
Indochina (see also table below): Bentre Pnom-Panh	00															
Släm: Bang tok Provinces.		89	1 238	88	88	15	•	32 32 28	8	8		e l	2	a		
On vessels: B. S. Kutterng at Penang from Calcutta			1	1										<u>     </u>		
C. C. Chanana at Calculus Irold Childrengong					-			_					$\frac{1}{1}$		-	
894	2	May 1936			June 1936			July 1936	5		August 1936	1936		19g	September 1936	1336
	1-10	11-20	21-31	1-10	11-20	21-30	1-10	11-20	21-31	1-10	11-20		21-31	1-10	11-20	21-31
Indochina (French) (see also table above): Cambodia <sup>3</sup>		60 69												96	-10	<u></u>
D	11				44	1	~~~									

Reports incomplete.

PLAGUE

										Weel	Week ended-						
Place	Mar. 29-Apr. 25, 1936	Apr. 26- May 30, 1936	May 31 June 27,	June 28- July 25,		×	August 1936	936		Š	September 1936	ər 1936		0	October 1936	1936	
		1			-	∞	15	ន	8	2	12	19	8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	10	17	8
ment. table below.) le below.) tbis below):	€2 ₩	F								1							•
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	22 22 82	11	22 m		118	12 13	ଛିକ୍ଷ	101 T	17 15	18 17	17	88	188	13	21	11	-
Plague-infected rats Hatton Manar Mathiya Southany	oro ∞	0000	0000					· • • • • • • • • • • • • • • • • • • •		1						-	~
	1 604 602	553	88	317	88			<u> </u>									
Balausi. Balada del Morro Guayaquil Plagueinfacted rats.	11					1 2			1		-					• 3 • 3	1944
I Including plague in the United States and its possessions. <sup>3</sup> A puppeded <sup>3</sup> A pupped July 20, 1086, states that 23 cases of maximum of barra with 18 daethe wave amovial in Eac David. Presil	sions.	emain o	with 18	deethe u		- tad	[ und und	Paulo	Broel								

1661

\* A report dated July 29, 1936, states that 23 cases of pneumonic plague with 18 destha were reported in Sao Paulo, Brazil. \* A report dated Aug. 20, 1836, states that 5 cases of plague were reported at Kirla Frovince, Manchurla, China. \* For 3 weeks.

FEVER-Continued
YELLOW
AND
FEVER,
TYPHUS
SMALLPOX,
PLAGUE,
CHOLERA,

PLAGUE-Continued [O indicates cases; D, deaths; P, present]

										Week	Week ended-						
Place .	Mar. 29-Apr. 25, 1936	Apr. 26- May 30, 1 1936	June 27,	July 25,		Aug	August 1936			ß	September 1936	sr 1986			October 1936	r 1936	
	<b>.</b> .				1	80	15	ន	8	20	ន	91	8	~~~~	9	11	র
e-infected rats	Ф.8J	£l ⇔	P <sup>1</sup> 64	д		Р.		<u>Р</u> ,		<u>А</u>	8	<u>р</u> ,	-	A -		P4	
Girga Province.			T														
Hawaii Territoury: Plague-infected rats: Hawaii Itanuc Hamakua district: 7 Hawai Pramakua Mill cactor 10							-			-	- -						
Pasuhau sect 7 Pohakes sector iaui Island—Wailuku District—Keahua Region	4	64		3		-	61		6		2	9	10	9			3
Baseline Contraction Contracti	1, 225 5 5	88 <b>4</b> 888 80	8 <sup>2</sup> 80	267 288 0	174	163 87 3	162 118 2	187	214	14388	88 88						
	478	11 8	401	<b>6</b> 9			90	-0	-	40	-70	85	ลล	11	9	8.3	-
Contral Provinces and Berat	828	200g		2°4%	-42	888	12	***	887	228	22	8	52		324	8	207
Paragoon Distriction rats Distriction Control Plagno-Intected rats Distriction (Control Plagno-Internet) Control Plance Control Plance Control Control Plance Control	8	4 <sup>201</sup> 1	3	81	- 8 -	R			-			-	6			T	
	101	-						Π	Π					Π	Ī		

Madagascar. (See table below.) Malta	3		3		1	5					-	6				-
Jelow.)	8		-		-											
Tunisia: Tunis Plague-intected rais Union of states: United States:	<b>0</b> 12	9	32		75		°.			9			8	8	-	
1 100			135		9											
Santa Cruz County — Plague-infected squirrels Santa Ross		<u></u>	02 d.r	=												
Utah: Beaver County																
o. s. routenne at marsaure non boue and runtppe Ville S. S. Delambre at Liverpool from Montevideo, Buenos Aires, Resario, Santos, and Las Palmas-Plague- infected rats									3	8						
<sup>3</sup> Suspected. <sup>4</sup> A report dated Sept 3, 1336, states that 2 plague-infected rats were reported in Marseille, France. <sup>6</sup> A report dated Sept 3, 1336, states that 2 plague-infected rats were reported in Marseille, France. <sup>6</sup> A report dated Sept 3, 1336, states that 2 plague-infected rats were reported in Marseille, France. <sup>6</sup> A report dated Sept 3, 1336, states that 2 plague-infected rats were reported in Marseille, France. <sup>6</sup> A report dated Sept 3, 1336, states that 2 plague-infected rats, model Septici, as follows: Week ended Nov. 7, 1 plague-infected rats, no location given; week ended Oct. 31, 2 plague-infected rats, and week ended Nov. 7, 1 plague-infected rat, in Paaubau sector. <sup>8</sup> For 2 week more normal for California as follows: Week ended Nov. 7, 1 plague-infected rat, in Paaubau sector. <sup>9</sup> Plague-infected frats for 2 week ended Nov. 7, 10 state Carts	ed rats wer itory, Hawr r; week end as follows:	i reporte di Island do Oct. 3 Weak er	d in M , Hame 11, 2 pla	arseille, kkua Dii gue-infe	France strict, a: cted rai	s follow ts, and	s: Week e.	it ended nded N	1 Aug. 8	2 plague- plague-	le-infect infected infa Cin	ed rats, rat, in	no loca Paauha tv: An	tion gi tu secto	ven; w K. 104 pl	96

\* Plague-infected fleas have been reported in California as follows: Week ended June 27, 1386, 3 lots in Modoc County, and 7 lots in Santa Cruz County; Aug. 18-21, 104 plague-infected thes onlevel from ground sources in San Bernardino County, and according to information dated Nov. 10, 31 fleas taken from 24 Fisher squirrels shot in Edoomb Valley, alley, alley, alley, and according to information dated Nov. 10, 31 fleas taken from 24 Fisher squirrels shot in Edoomb Valley, alley, alley also in San Bernardino County have been proved positive for plague. A report dated Oct. 13, 1936, states that fleas taken from 24 Fisher squirrels shot in Edoomb Valley, also in San Bernardino County have been proved pusitive for plague infected.

FEVER-Continued
<b>YELLOW</b>
<b>UND</b>
FEVER,
TYPHUS
SMALLPOX,
PLAGUE,
CHOLERA,

**PLAGUE**—Continued

[C indicates cases; D, deaths; P, present]

				2		1 (append	C Intucatos (assos) 10, acavus, 1, present						
Place	April 1936	May 1936	June 1936	July 1936	August 1936	August Septem- 1936 1936	Place	April 1936	May 1936	June 1936	July 1936	August Septem- 1936 1936	Septem- her 1936
Argentina: Balta Province	88811 I 89 0	2 2 1 1 47	885	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	28883333833338333383333333333333333333	9 9 9 1 9 7 9	Peru Lambayeque Department. Cibertad Department. Cima Department. Callao. Callao. Plague-infected rata. Senegal: Senegal: Dakar 4. Criveouane 4. Criveouane 4. South-West Africs: O v a m bo- ciano.	N COLL 0 H	3 2 3 3 1 <b>1 4 9</b>	6 1 11 0314	* * *	© ⊣0 <u>0</u> ,0 Ψ	©©≂N <u>A</u> N
19 Pneum	13 Pneumonic plague.	ge			13 Froi	n January	13 From January to Aug. 31, 1936.	r. B.	14 Reports incomplete.	complete			

				SMALLPOX	XO												
	Mar.	Are.	Mav	June						Week	Week ended-						
Place	ళ <mark>ద</mark> శ్	May - May	June 27,	% <u>ਚ</u> ੋੜ		ηų	August 1936	9		~	eptem	September 1936		Ŭ	October 1936	1936	
	1836	1936	1836	1936	-	80	15	33	8	8	12	19	8	3	10	11	54
Ageria: Constantine Department. Constanterument. Argon. (See table below.) Argentua. (See table below.) Argentua. (See table below.) Belital Congo. (See table below.)	1		010	<b>7</b> 8													
Bahi: Bahi: Porto Alecte (alastrim). British East Africa: Tanganyika	ŝ	P 23	19	9	9 5	=	614	41-00-		8	3 12			100		6	
le below):		8	-					=									
Amoy. Anton Darten Porten Rangelow Hankow.		Ö <sup>d</sup> ø4	8 00 4 -		5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A.		4		4							
Houg Kong. Nanking Stangkai Statobu	-684-				14 1			-					-			4	1
ie below.) o table below). uil		. 8						3 113	60			9,7 \$	-	3.15			
<sup>1</sup> For	weeks.							For S	For 3 weeks								

SMALLPOX

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November 27, 1936

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FEVER-Continued
YELLOW
AND
FEVER,
TYPHUS
SMALLPOX,
PLAGUE,
CHOLERA,

# SMALLPOX-Continued

[C indicates cases; D, deaths; P, present]

	Mar.	Anr.	Маv	June						Week	Week ended-	1					1
Flace	\$ <sup>4</sup> 2%	May 70,000	31- June 27,	쐮뒫뙺		Ψn	August 1936	36		Be	September 1936	r 1936		ŏ	October 1936	1936	
	1936,	1836	1936	1936		80	15	22	8	2	12	19	8		10	17	34
Finland				6	6	-			-								
				8													
-London and																	
Greece: Salonita	8	37	34	13													
	34, 748	36, 861	16, 397	ې ۲	,			936	1,090	935	934						
Assam Bombay Presidency.	9, 091 2, 859	9, 910 270 2, 747			394 152	248 17 47	23 <b>1</b> 82	17 E	200 20 20 20 20 20 20 20 20 20 20 20 20	378	- 107 107	12	24	13	28	=8	-
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	1,552	155 567	823					° I '	800	CI 4	~	- 01		010	40.	-	
	2, 826 2, 826	3, 043	1. 10 10 10 10					8 8 <u>9</u>	~ឌ	•9	-	15 -	13	កដ្ឋ	44 60	3	11
		9									3			•			
Presidency	1, 236	1, 226	962	752	217	249	88 88	221	229	20	IFI	$\frac{1}{1}$	22			2	
Madrae.	112	3.05				7	2	8  -	<b>3</b>		;r	109-			•	- -	1
	30.5	3-1;			•	<u> </u>	"   	•		•	•				• •	•	
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	38.4	540	-40			9		4-	- 9	19	19	20	-1 <b>30</b>	21-1-	1	4	<b></b>
	' &'	, ŭ		00	<u> </u>			•						•			
Pondichery Province	10101	61-1		100												ÎÌ	

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	8, 1936 13, 1936 1, 1936 11, 1936 11, 1936 11, 1936
	May May June June June Aug.
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	Case Case Case Case Case
	weeks
	<ul> <li>For 5 wceks</li> <li>8</li> <li>1</li> <li>1</li> <li>1</li> <li>1</li> <li>1</li> </ul>
	<ul> <li>Imported.</li> <li>S-Continued.</li> <li>Auoji Maru at Nagasaki from Dairen Bhudan at Kolo from Shanghal.</li> <li>Jinkun at Kolo from Madras.</li> <li>Maya Maru at Moji from Madras.</li> <li>Maya Maru at Moji from Shanghal.</li> <li>Talamba at Rangcon from Calcutta</li> </ul>
	asaki f n Shar i from nn Ma n from n from
	I. Nag the from the from the from ang from ang from ang from ang from the from the from the from the from the from the from the from the from the f
	<ul> <li>Imported.</li> <li>Continued uoji Maru E hutan at Ko huta at Pen ohna at Pen atamba at R</li> </ul>
	<ul> <li>Imported.</li> <li>Vessels—Continued.</li> <li>S. S. Atroji Maru at S. S. Bhutan at Kol S. S. Jinkei Maru at S. S. Jinkei Maru at S. S. Vaga Maru at S. S. Talamba at Rab</li> </ul>
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	0 <sup>11</sup>
	1936 1936 1936 1936 1936 1936
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ks. Apr. 2, 1 Apr. 13, 1 Apr. 13, 1 Apr. 20, 1 Apr. 23, 1 May 4, 1
11 1222900 I III III	6
\$ 510 10 10 10 10 10 10 10 10 10 10 10 10 1	<sup>3</sup> For 4 wcc case case case case
	- 555555
Irdochina (see also table below): Prom. Fenh Iran Teheran Tran Teheran Irad Barhdad Barha Japan Negasaki	<ol> <li>For 2 weeks.</li> <li>On vessels:</li> <li>S. Hokuryo Maru at Moji from Tientsin</li> <li>S. Lioturyo Adviates to Colscholi from Rangoon</li> <li>S. Egra at Rangoon from Calcutta</li> <li>S. City of London at Suez from Calcutta</li> <li>S. Manipura at Port Sudan from Calcutta</li> <li>S. Kasagi Maru at Moji from Shonghai</li> </ol>

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER-Continued

SMALLPOX—Continued

[C indicates cases; D, deaths; P, present]

Sep- tember 1936	
August 1936	нон 0 100
July 1936	1 1 3 3 16
June 1936	ο
May 1936	12883 14 280 00 288 14 10 10 10 10 10 10 10 10 10 10 10 10 10 1
April 1936	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Place	Merico-Continued. Chihuahua State-Chihuahua Jalizoo State-Cuadalajara. Jalizoo State-Cuadalajara. D Lower California. D Merico State. Merico State. Merico State. Cuentaro State. Sonora State. Concestano State. Sonora State. Concestano State. Sonora State. Peru. Peru. Peru. Cortugal (see also table above). C Salvador.
Bep- tember 1986	∞d1= 2 ∞
August 1936	21 21 21 21 21 21 21 21 21 21 21 21 21 2
July 1936	8882 23 31 23 888 0 0
June 1936	0 88 88 88 8 8 8 8 8 8 1 1 8 8 0 1
May 1936	12 12 31 12 31 12 183 19 19 19
April 1936	29 7 7 8 135 135 135 135 231 30
Place	Angola

TYPHUS FEVER

										Ŵ	Week ended-	led –							
Pisce	Mar. 29-Apr. 25, 1936	Apr. 26-May 30, 1936	May 31- June 77 1096		July 1936	836			Augu	August 1936			Sej	September 1936	er 1036		Oet	October 1936	88
			0001 11	*	Ħ	81	52			15	<u>ี</u>	8	2	13	10	8	ŝ	9	11
Algeria: Algeria: Department Constantine Department Constantine Department Constantine Constantine Constantine Corran Department Austrolland Bigaria Bigaria Bigaria Bigaria Colona Bigaria Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Bigaria Colona Colona Colona Colona Colona Colona Colona Colona Bigaria Colona	47 47 47 47 47 47 47 47 47 47 47 47 47 4	842-2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2888 27 9 1 2 2 3 8 2 1 2 2 8 8 2 1 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2	12 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	16         16           1         1           1         1           1         1	8000		30 75 1 1 1		2		5 I I I I I I I I I I I I I I I I I I I		<u>a</u>					
<sup>1</sup> For 2 weeks.			<sup>2</sup> For 6 wecks.	cks.				<sup>3</sup> For 5 weeks	weeks					For 3	For 3 weeks.				

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CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER-Continued

# TYPHUS FEVER-Continued

[C indicates ca, es; D, deaths; P, present]

										в	Week ended-	- beb							
Place	Mar. 29-Apr. 25, 1936	Apr. 26-May 30, 1936	MRY 31- June 27, 1936		July 1936	1936			guA	August 1936	5		δ.	ptemb	September 1936		Octob	October 1936	
		`		4	Ħ	18	25	1	<b>20</b>	16	8	क्ष		ន	10	*	e0	9	11
Egypt—Continued. Come Province	00	-																	
		- 61				-			- 	-				Ī	Ī				
	563	521	336	80	2	20	14	80	17	2	5	-		6	-	-	8	3	1
Funtand. (See table Delow.) Greece (see also table below): Salonika (	•	5	4	1					-	٦	٦	T	1	1	1	1	-		
					-	1			-		-	1	*		63	-	4	63	4
Lungary	500	51	17	80		Ī		4					- 01	Ì	0	3			~
									+		+		Ì			~			
Irish Free State: Galway County:			• •				   	   		<u> </u>									
			-			-	Ť					$\frac{1}{1}$	Ì						
Mayo County-Dingio	20C	1				Ī	$\frac{1}{1}$					5	-	~				~	
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	100	8	2	3	-	~		4	1 4 ,	1	.0	63	0	1	9	4	Ī	4	
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lso table below)	8	8		2		Ī		$\frac{1}{1}$			$\frac{1}{1}$	$\overline{1}$	T	-					
	100	80	13	12	-4		210	생	ы	<b>69 1</b>	010	3	-4 14	-	91	60		69.64	61 a
low.)	A						>	-	-	,	, , →		,	,		•		,	
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April         May         Jume         July         August         Septem- lig86         Place         April         May         Jume         June         June	Rumatia. (See table below.) Spain. (See table below.) Ertaits Sectlemants: Singapare- frunds.) Tungta. Tungta. Turkay. (See table below.) Union of South Artica. (See table below.) Vurgalayta. (Ree table below.) On vessel: At Rotterdam from Algters	below:) CO 000 bata			60 m	4	<b>6</b> 21	41 1	2				2 5 207		0 1-1		31
75         33         46         47         29         Metrico-Continued.           392         225         34         1         3		April 1886	May 1936	June 1836			Septem- ber 1936		Pla	- 8	-	April 1936	May 1936	June 1936	July 1936	August	ber 1936
	Altyla Manchuria Harbin Manchuria Harbin Manchuria Harbin Manchuria Manchuria Manchuria Manchuria Manchuria Manchuria Marteo State Marteo State		22888888888888888888888888888888888888	\$8 8 <b>*8</b>	2284 × 88 + 100 × 88 + 4	800	80 <sup>1</sup>	Merico-C Pueble Rualis Ruaret Romator Panama C Panama C Panama Union of S Natal Natal Natal Natal Natal	Oontinue a State: taro State uil: Potos a State a ate a State a State	Pd. Pd. B. Statie: f B. Statie: f I. Cea: f. fea: f. fea:				3-17-18 3-18-18 2-18-18	88 8388 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	16 19 29 49 10	<b>°</b>

FEVER-Continued
YELLOW
AND YE
FEVER,
TYPHUS
SMALLPOX,
PLAGUE,
CHOLERA,

## YELLOW FEVER

[C indicates cases; D, deaths; P, present]

	Mar.	Apr.	Mav						M	Week ended	ded							
Place	8 <sup>4</sup> 24	26- 30, x	31- June 27,		July 1936	1936		Aug	August 1936			ž	September 1936	er 1936		Oct	October 1936	36
	1936	1936	1936	4	.=	8	52	  	15	8	8	2	13	19	8	°.	10	11
Bolivia: Santa Craz Department. <sup>1</sup> Brazil: 3 Amatons State Marenbio State Martinas Garaes State Martinas Garaes State Matio Grosso State Matio Grosso State Matio Grosso State Matio Grosso State Matio Grosso State Matio Grosso State Matio Grosso State Matio Grosso State Matio Grosso State Para State Colonitia Restrypo 4 Nuclearization of Meta- Banomey Cundinamores Department. <sup>4</sup> D Banomey Martinas Catabar Martinas Martinas Colonitia Restrypo 4 Nuclearization Martin Province Martin Province		2 20 10						· · · · · · · · · · · · · · · · · · ·										

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Yellow fover has been reported in Banta Cruz Department, Bolivia, as follows: For the months of April, 1 case; May, 1 case; June, 2 cases.
 Yellow fover has been reported in the city of 580 Panil., Brazil.
 Includes 1 case of yellow fover the states of the city of 580 Panil., Brazil.
 Yellow fover has also been reported in the city of 580 Panil., Brazil.
 Yellow fover has also been reported in the city of 580 Panil., Brazil.
 Yellow fover has also been reported in Colombia as follows: Boyaces Department, Jan. 4 to May 15, 9 deaths; Restrepo, June 4 to July 26, 6 deaths; Villavicencio, January, Juce, and July, 6 deaths; Santander Department, June and July, 6 deaths.
 Burbing the week ended Nov. 14, 1936, 1 case of yellow fever was reported in Calabar, Nigeria.
 During the week ended Oct. 31, 1936, 1 case of yellow fever was reported in Calabar.
 During the week ended Oct. 31, 1936, 1 case of yellow fever was reported in Segou. French Sudan.

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