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OCCURRENCE OF TICK PARASITES IN NATURE IN SOUTHERN IDAHO¹

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Preliminary to releasing parasites (*Hunterellus hookeri* Howard) for the control of the Rocky Mountain wood tick (*Dermacentor andersoni* Stiles) we have been following the practice of making a survey of the region where it is intended to establish colonies. This has been done, primarily, to determine whether naturally established tick parasites are already present, the reared parasites not having been released until the year following that of the survey. Such surveys were made in four localities in 1931 and 1932 in Colorado, Idaho, and Oregon. Incidentally, these surveys have also supplied essential information on the tick fauna of the region, particularly with reference to the species present, their relative abundance, host relationships, and seasonal history. The numbers of tick lots collected in each of the several localities concerned were as follows: Conejos Canyon, Conejos County, Colo., 124 lots; Newton's ranch, Alamosa County, Colo., 73 lots; near Mayfield, Ada County, Idaho, 284 lots; near Burns, Harney County, Idaho, 262 lots.

Tick parasites were found in only one of the above areas. In animal parasite lot no. 8635 A, taken on a woodchuck trapped on June 28, 1932, near Mayfield, Idaho, by Carl Larson and Roger Cooley, there were 16 larvae, 20 nymphs, and 2 adults of *Ixodes hexagonus* var. *cookei* (Packard). Two of the fed nymphs showed parasitism; and from one, 8 adult parasites emerged. These were determined by A. B. Gahan and Dr. C. F. W. Muesebeck, of the United States National Museum, through Mr. F. C. Bishopp, of the United States Bureau of Entomology, as *Ixodiphagus texanus* Howard.

The finding of this particular parasite in southern Idaho is of considerable interest, since it has not previously been reported subsequent to its discovery in the rabbit tick, *Haemaphysalis leporis-palustris*.

¹ Contribution from the Rocky Mountain Spotted Fever Laboratory of the United States Public Health Service at Hamilton, Mont.

tris Packard in 1907. It was described at that time by Howard, the parasitized ticks having been found on a cottontail rabbit in Jackson County, Tex.

All attempts at tick control in this country and all of the biological studies by the writer in controlled thermal cabinets, have been made with *H. hookeri*. This parasite has been reared from ticks many times in various parts of the world—in France, India, Indo-China, Union of South Africa, South West Africa, Nigeria, Brazil, Cuba, and in Florida, Texas, and California in the United States. These data include the records for *Ixodiphagus caucurtei* du Buysson, which Gahan has recently shown to be a synonym of *H. hookeri*.

The living strain of *I. texanus* taken from Idaho has been held alive, and several generations have been reared in the Public Health Service Laboratory at Hamilton, Mont. So far as we have observed in the rearing of the two parasites in the laboratory, there are no striking biological differences.

MILK-SANITATION RATINGS OF CITIES

Cities for Which Milk-Sanitation Ratings of 90 Percent or More Have Been Reported by the State Milk Sanitation Authorities during the Period January 1, 1932, to December 1, 1933

The accompanying table gives the names of American municipalities for which milk-sanitation ratings of 90 percent or more have been reported by their respective State milk sanitation authorities from January 1, 1932, to December 31, 1933. The primary reason for announcing such ratings from time to time is to encourage the municipalities of the United States to attain and maintain a high level of excellence of the public health control of milk supplies. Another reason is to furnish the traveling public with some means of knowing the cities in which milk sanitation is properly done. It is emphasized, however, that the Public Health Service does not intend to imply that cities not on the list are necessarily doing poor milk control work. Some cities which are doing excellent milk control work are not included because arrangements have not yet been made for the determination of their ratings by the State milk-control authority. In other cases the ratings which have been determined by the State are now more than 2 years old and have therefore lapsed.

The rules under which a municipality is included in this list and in subsequent similar lists are as follows:

(1) All ratings must have been determined in accordance with the Public Health Service rating method, based upon the edition of the Public Health Service Milk Ordinance and Code current at the time of the rating.

(2) No city will be included in the list unless both its pasteurized milk and its raw milk ratings are 90 percent or more; provided, that cities in which only raw milk is sold will be included if the raw milk ratings are 90 percent or more.

(3) The rating published will be the latest rating submitted to the Public Health Service, but no rating will be published which is more than 2 years old.

(4) Additional supplementary lists of ratings will be published monthly, and complete revisions of the entire list semiannually.

(5) Occasional surprise checks will be made of the rating methods used by the State, and discounts will be applied if State ratings are found to be more than 5 percent too high.

(6) Ratings will be accepted for any city irrespective of the type of milk ordinance in force, provided that the ratings have been made in accordance with paragraph (1) above.

Cities included in the list presented here are urgently advised to bring their milk sanitation status to the level required by the 1933 code, since this edition will be used for ratings made in 1934. It is also urged that cities now on the list do not permit their ratings to lapse, as ratings more than 2 years old cannot be used.

Cities which are not now on the list should improve their milk supplies as much as possible and then request the State milk control authority to determine their ratings. Where the Public Health Service Milk Ordinance has not as yet been adopted, thoughtful consideration should be given to the advisability of its adoption, for the reason that the standard rating method is based upon the Grade A requirements of the Public Health Service Milk Ordinance, and it is obviously easier to satisfy these requirements if they are included in the local legislation. Copies of the Public Health Service Milk Ordinance and Code are available upon request.

State milk-control authorities which are not now equipped to determine municipal milk sanitation ratings are urged to so equip themselves as soon as possible in fairness to their cities. The personnel required is very small, as in most States one milk specialist will be sufficient for the rating work. The Public Health Service will, upon request from the State milk control authority, furnish assistance in standardizing the rating work.

Cities which are enforcing the Public Health Service Milk Ordinance and which have nevertheless failed to achieve ratings of 90 percent or more, should determine whether their low ratings resulted from failure to enforce the ordinance strictly, or from failure to bring their ordinance up to date with the latest revision in force at the time of the rating.

The ratings included in the accompanying table apply only to market milk. Family cow milk is not included, and consumers should,

therefore, not infer that the milk from neighborhood cows in such cities is of a high grade.

The first column of the table gives the rating of the pasteurized milk, the second column the rating of the raw milk, the third column the percentage of milk pasteurized, and the fourth column the date of completion of the rating.

A pasteurized milk rating of 90 percent means that the pasteurized milk sold in the city in question is of such a degree of excellence that the weighted average of the percentages of compliance with the various items of sanitation required for grade A pasteurized milk is 90 percent. Similarly, a raw milk rating of 90 percent means that the raw milk sold in the city in question is of such a degree of excellence that the weighted average of the percentages of compliance with the various items of sanitation required for grade A raw milk is 90 percent.

Cities having ratings of 90 percent or more according to last rating received during period Jan. 1, 1932, to Dec. 31, 1933

City	Pasteurized milk rating	Raw milk rating	Percentage of milk pasteurized	Date of rating
ALABAMA (27 cities)				
Andalusia.....		92	0	June 22, 1932
Athens.....		95	0	June 15, 1932
Atmore.....		93	0	Aug. 22, 1932
Auburn.....		94	0	July 7, 1932
Boaz.....		94	0	June 29, 1932
Cullman.....	99	92	28	Sept. 23, 1932
Decatur.....	94	90	44	Aug. 19, 1932
Flomaton.....		96	0	Aug. 22, 1932
Florence.....	92	90	35	July 7, 1932
Fort Payne.....		94	0	Oct. 7, 1932
Gadsden.....	99	95	24	Do.
Guntersville.....		91	0	June 29, 1932
Hartselle.....		96	0	Aug. 17, 1932
Huntsville.....	97	93	53	July 20, 1932
Montgomery.....	96	90	22	Aug. 26, 1932
Opelika.....	91	92	21	July 6, 1932
Russellville.....		93	0	Aug. 22, 1932
Scottsboro.....		96	0	June 27, 1932
Selma.....		93	0	Aug. 2, 1932
Stevenson.....		96	0	June 27, 1932
Sylacauga.....		93	0	Aug. 2, 1932
Talladega.....		92	0	Do.
Tallapoosa.....		98	0	Feb. 5, 1932
Tuscaloosa.....	97	95	75	July 28, 1932
Tuskegee.....	98	92	52	July 5, 1932
Wetumpka.....		90	0	Sept. 20, 1932
York.....		97	0	Aug. 23, 1932
ARKANSAS (1 city)				
Texarkana.....	98	96	33	Oct. 13, 1932
INDIANA (1 city)				
Frankfort.....	93		100	Mar. 11, 1933
KENTUCKY (3 cities)				
Bowling Green.....	92	91	22	Aug. 1933
Henderson.....	98	97	20	June 1933
Louisville.....	95	99.5	97	Sept. 1933

Cities having ratings of 90 percent or more according to last rating received during period Jan. 1, 1932, to Dec. 31, 1933—Continued

City	Pasteurized milk rating	Raw milk rating	Percentage of milk pasteurized	Date of rating
MISSISSIPPI (18 cities)				
Brookhaven.....		99	0	May 18, 1933
Cleveland.....	96	98	41	July 20, 1933
Columbus.....	99	96	59	July 12, 1933
Durant.....		99	0	May 22, 1933
Greenville.....	97	95	13	May 31, 1933
Greenwood.....	98	92	23	July 14, 1933
Hollandale.....		95	0	June 1, 1933
Indianola.....		92	0	June 2, 1933
Jackson.....	93	90	22	Aug. 11, 1933
McComb.....		94	0	June 21, 1933
Meridian.....	99	99	22	May 4, 1933
Natchez.....	92	96	16	May 17, 1933
Ocean Springs.....		92	0	July 7, 1933
Picayune.....	91	94	76	June 8, 1933
Ruleville.....		98	0	June 2, 1933
Shelby.....	92	95	63	June 10, 1932
Vicksburg.....	96	92	35	June 28, 1933
Yazoo City.....		95	0	May 24, 1933
NEW MEXICO (4 cities)				
Alamogordo.....		94	0	May 20, 1933
Artesia.....		90	0	May 23, 1933
Clayton.....		90	0	June 3, 1933
Las Vegas.....	90		100	Sept. 8, 1932
NORTH CAROLINA (24 cities)				
Albemarle.....		92	0	Oct. 31, 1933
Apex.....		97	0	Sept. 28, 1933
Beaufort.....		96	0	July 15, 1933
Canton.....		98	0	Oct. 19, 1933
Coats.....		97	0	Oct. 10, 1933
Dunn.....		95	0	Do.
Durham.....	96	92	78	Nov. 10, 1932
Elkin.....		93	0	Oct. 6, 1932
Erwin.....		95	0	Oct. 10, 1933
Granite Falls.....		92	0	Oct. 5, 1933
Hamlet.....		95	0	Oct. 20, 1933
Hendersonville.....	93	97	35	Oct. 3, 1933
High Point.....	94	95	60	Oct. 21, 1933
Hope Mills.....		99.5	0	Oct. 13, 1933
Lenoir.....		95	0	Oct. 4, 1933
Manteo.....		94	0	Sept. 19, 1933
Morehead City.....		93	0	July 15, 1933
Mt. Airy.....		99	0	Oct. 6, 1933
Rockingham.....		93	0	Oct. 19, 1933
Sanford.....		92	0	Oct. 28, 1932
Thomasville.....	93	90	30	Sept. 11, 1933
Waynesville.....		96	0	Oct. 21, 1933
Wilkesboro.....		93	0	Nov. 21, 1932
Winston-Salem.....	94	92	42	Sept. 30, 1933
OREGON (1 city)				
Portland.....	93	98	76	Dec. 2, 1932
SOUTH CAROLINA (1 city)				
Columbia.....	91	92	60	1932

Cities having ratings of 90 percent or more according to last rating received during period Jan. 1, 1932, to Dec. 31, 1933—Continued

City	Pasteurized milk rating	Raw milk rating	Percentage of milk pasteurized	Date of rating
TENNESSEE (3 cities)				
Covington.....		91	0	Nov. 2, 1932
Dyersburg.....		90	0	June 1, 1933
Memphis.....	90	98	73	July 1933

TEXAS (12 cities)				
Abilene.....	95	95	51	June 15, 1932
Amarillo.....	90	94	63	May 14, 1932
Austin.....	92	95	21	Sept. 12, 1932
Brenham.....		93	0	Apr. 1932
Dallas.....	93	93	78	June 1932
Graham.....	95	92	28	Do.
Jacksonville.....		92	0	Nov. 1932
La Feria.....		91	0	Jan. 27, 1932
Lubbock.....	90	91	17	Mar. 3, 1932
Sweetwater.....	93	96	74	June 27, 1932
Texarkana.....	95	93	36	Apr. 1932
Waco.....	91	91	32	Dec. 9, 1932

WASHINGTON (2 cities)				
Vancouver.....	90	93	25	Nov. 30, 1932
Walla Walla.....	93	94	56	Dec. 14, 1932

COURT DECISION RELATING TO PUBLIC HEALTH

Original birth certificate held admissible in evidence.—(Missouri Supreme Court, Div. No. 2; *State v. Shelby*, 62 S.W.(2d) 721; decided Aug. 12, 1933.) In a criminal case the State introduced in evidence the original birth certificate of the prosecuting witness. It was urged that it was error for the court to admit such certificate because it appeared from the assistant State registrar's testimony, as well as from the instrument itself, that the child's name was not written therein by the attending physician, but that it was written with a different ink, by a different hand, and at a time subsequent to the filling in of the other parts of the blank. The evidence strongly tended to show that the child's name was written in the same handwriting and with the same ink as the local registrar's signature. By State law the certificate was required to be preserved, and one part of the law detailed the procedure to be followed if the child had not been named at the date of filing the birth certificate. The supreme court said that it seemed to it, under the facts outlined and in view of the statutory provisions, that the trial court, in the absence of evidence to the contrary, might properly have indulged the presumption of right acting and performance of duty by officials charged with the enforcement of the law governing the registration of vital statistics with respect to the certificate in question and admitted it on that ground.

But the court said that there was another and more compelling reason why the action of the trial court in admitting the certificate was proper. By statute it was provided that a properly certified copy of the record of any birth registered under the law should be prima facie evidence in all courts and places of the facts therein stated. Reference was made by the court to the recent case of *State v. Worden*, 56 S.W.(2d) 595, 598, in which it was said:

Since original [birth] certificates * * * are required by the statute * * * to be permanently kept, such a certificate becomes an official record which is always admissible in evidence. A copy of a public paper required to be filed, certified by the officer intrusted with its custody, is admissible in evidence if the original is admissible. * * *

The court stated that it necessarily followed that the converse of the latter proposition was true, that is, if the certified copy was admissible, the original was certainly likewise admissible. Said the court:

* * * It would be anomalous, indeed, to hold inadmissible an original document a certified copy of which is by statute made prima facie evidence, and we decline to so hold.

MORTALITY SUMMARY FOR LARGE CITIES, 1933

Number of deaths, death rates, and infant mortality for a group of 86 large cities in the United States for the 52-week period Jan. 1 to Dec. 30, 1933, and comparison with 1932

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

City	Total deaths	Death rate ² (per 1,000 estimated population)	Deaths under 1 year ¹	Provisional infant mortality rate 1933 ³	Infant mortality rate 1932	Actual mortality in calendar year, 1932		
						Total deaths	Death rate ⁴ (per 1,000 estimated population)	Deaths under 1 year
Total (86 cities).....	408,972	11.0	29,776	53	55	413,958	11.2	32,847
Akron.....	1,970	7.3	152	43	46	1,985	7.5	183
Albany.....	1,835	14.0	104	43	40	1,765	13.5	118
Atlanta.....	3,935	13.6	415	82	60	3,879	13.7	375
White.....	2,021	10.8	201	64	56	2,049	10.9	194
Colored.....	1,914	19.5	214	113	92	1,830	19.1	181
Baltimore.....	10,785	13.1	824	61	62	10,775	13.1	870
White.....	8,230	12.2	546	53	53	8,063	12.0	572
Colored.....	2,555	16.7	278	87	94	2,712	18.1	298
Birmingham.....	3,100	10.9	310	70	65	3,211	11.6	322
White.....	1,541	8.7	140	57	40	1,553	9.0	143
Colored.....	1,559	14.4	170	86	87	1,658	15.7	179
Boston.....	10,888	13.9	938	56	59	10,924	13.9	1,024
Bridgeport.....	1,591	10.8	100	43	47	1,530	10.4	123
Buffalo.....	7,104	12.0	661	68	67	7,258	12.4	692
Cambridge.....	1,401	12.2	104	42	37	1,384	12.1	140
Camden.....	1,526	12.8	160	57	68	1,714	14.4	208
Canton.....	924	8.4	60	40	69	1,004	9.3	109
Chicago.....	34,632	9.7	2,270	51	49	34,360	9.8	2,415
Cincinnati.....	6,531	14.0	400	56	55	6,781	14.7	413
Cleveland.....	9,093	9.8	585	43	53	9,821	10.6	797
Columbus.....	4,013	13.3	304	64	61	4,096	13.7	285
Dallas.....	3,154	10.8	390	78	79	3,044	10.8	392
White.....	2,422	9.8	329	78	69	2,204	9.2	298
Colored.....	732	17.0	61	77	121	840	20.0	124

See footnotes at end of table.

Number of deaths, death rates, and infant mortality for a group of 86 large cities in the United States for the 52-week period Jan. 1 to Dec. 30, 1933, and comparison with 1932—Continued

City	Total deaths ¹	Death rate ² (per 1,000 estimated population)	Deaths under 1 year ³	Provisional infant mortality rate 1933 ⁴	Infant mortality rate 1932	Actual mortality in calendar year, 1932		
						Total deaths	Death rate ⁴ (per 1,000 estimated population)	Deaths under 1 year
Dayton	2,424	11.6	156	60	64	2,428	11.7	181
Denver	3,982	13.4	264	52	69	4,326	14.7	336
Des Moines	1,504	10.2	85	30	57	1,788	12.3	150
Detroit	12,340	6.9	1,160	61	52	12,990	7.5	1,849
Duluth	1,031	10.1	67	41	52	1,149	11.3	84
El Paso	1,441	13.2	314	126	92	1,462	13.7	238
Erie	1,253	10.4	81	33	54	1,311	11.0	119
Evansville	1,145	10.7	86	62	44	1,114	10.5	64
Fall River ⁵	1,562	13.6	119	57	53	1,312	11.4	111
Flint	1,301	7.4	169	56	61	1,227	7.2	200
Fort Wayne	1,190	9.6	50	26	49	1,199	9.9	89
Fort Worth	1,788	10.3	177	70	66	1,765	10.3	178
White	1,420	9.4	137	62	58	1,361	9.2	129
Colored	368	15.9	40	130	106	404	17.6	49
Grand Rapids	1,605	9.1	138	52	40	1,545	8.9	117
Hartford	2,135	12.4	190	78	54	2,034	12.0	201
Houston	3,564	10.5	308	61	62	3,479	10.7	321
White	2,501	9.4	229	59	39	2,149	8.4	148
Colored	1,063	14.8	79	79	127	1,330	19.1	173
Indianapolis	4,851	12.8	319	59	61	4,760	12.7	365
White	4,096	12.4	261	65	68	4,011	12.2	299
Colored	755	16.1	58	82	83	749	16.2	66
Jersey City	3,429	10.7	280	41	64	3,537	11.0	363
Kansas City, Kans.	1,533	12.3	104	47	69	1,587	12.8	134
White	1,175	11.4	67	34	54	1,264	12.3	103
Colored	358	16.7	37	147	89	323	15.4	31
Kansas City, Mo.	5,124	12.1	292	53	57	5,131	12.3	331
Knoxville	1,295	11.3	144	70	75	1,343	12.0	158
White	1,027	10.8	109	59	71	1,046	11.2	135
Colored	268	14.1	35	150	104	297	16.2	23
Long Beach	1,464	8.7	66	30	36	1,534	9.5	72
Los Angeles	14,657	10.1	874	55	56	14,712	10.6	944
Louisville	3,849	12.5	307	58	67	4,295	13.9	355
White	2,887	11.1	242	54	61	3,317	12.7	278
Colored	962	20.1	65	74	102	978	20.5	77
Lowell ⁶	1,326	13.3	102	57	67	1,298	12.9	130
Lynn	1,023	9.9	64	39	42	1,039	10.1	66
Memphis	4,289	16.0	437	104	96	4,344	16.5	442
White	2,121	12.8	215	85	76	2,169	13.3	213
Colored	2,168	21.2	222	134	127	2,175	21.6	229
Miami	1,231	11.2	86	53	58	1,242	11.4	102
White	854	9.9	53	45	45	866	10.2	58
Colored	377	15.6	33	74	91	376	15.5	44
Milwaukee	4,893	8.0	387	45	47	5,210	8.6	442
Minneapolis	5,015	10.3	303	42	53	5,187	10.8	421
Nashville	2,386	15.1	256	81	78	2,412	15.4	261
White	1,551	13.5	173	75	77	1,564	13.7	193
Colored	835	19.5	83	98	81	848	19.8	68
New Bedford ⁷	1,324	11.8	90	55	56	1,244	11.0	97
New Haven	2,090	12.9	95	43	43	2,039	12.5	134
New Orleans	7,483	15.6	633	94	75	7,750	16.3	685
White	4,400	12.9	339	68	61	4,685	13.9	354
Colored	3,083	22.2	344	108	99	3,065	22.4	331
New York	75,157	10.3	5,511	52	51	74,501	10.3	5,598
Bronx Borough	11,044	7.7	730	47	41	10,619	7.7	682
Brooklyn Borough	25,793	9.5	2,094	48	47	25,428	9.5	2,096
Manhattan Borough	27,951	16.2	2,067	63	63	28,182	15.9	2,160
Queens Borough	8,078	6.4	488	44	42	7,964	6.6	509
Richmond Borough	2,291	13.4	132	52	42	2,308	13.8	151
Newark, N.J.	4,927	11.0	328	41	41	4,670	10.4	361
Oakland	3,098	10.2	144	37	40	3,130	10.5	159
Oklahoma City	2,060	9.6	226	63	64	2,091	10.2	210
Omaha	2,681	12.2	165	39	42	2,720	12.4	178
Paterson	1,711	12.3	120	45	49	1,721	12.4	138
Peoria	1,156	10.2	80	50	56	1,199	10.8	94
Philadelphia	23,785	12.0	1,450	49	52	23,743	12.0	1,668
Pittsburgh	7,447	10.9	639	54	66	8,647	12.7	867
Portland, Oreg.	3,510	11.2	134	35	34	3,422	11.0	133
Providence	3,121	12.1	265	54	60	3,312	12.9	312

See footnotes at end of table.

Number of deaths, death rates, and infant mortality for a group of 86 large cities in the United States for the 52-week period Jan. 1 to Dec. 30, 1933, and comparison with 1932—Continued

City	Total deaths ¹	Death rate ² (per 1,000 estimated population)	Deaths under 1 year ¹	Provisional infant mortality rate 1933 ^{3,4}	Infant mortality rate 1932	Actual mortality in calendar year, 1932		
						Total deaths	Death rate ⁴ (per 1,000 estimated population)	Deaths under 1 year
Richmond.....	2,529	13.6	189	62	64	2,616	14.1	216
White.....	1,522	11.4	96	51	49	1,544	11.6	109
Colored.....	1,007	19.2	93	81	90	1,072	20.3	107
Rochester.....	3,771	11.2	249	51	48	3,888	11.6	260
St. Louis.....	10,562	12.6	529	41	56	11,035	13.3	724
St. Paul.....	2,804	9.9	182	41	39	2,983	10.7	195
Salt Lake City.....	1,496	10.2	139	44	42	1,585	10.9	136
San Antonio.....	3,306	13.1	537	100	103	3,454	14.0	530
San Diego.....	2,233	13.2	128	49	47	2,252	13.8	122
San Francisco.....	8,208	12.2	274	40	39	8,224	12.4	293
Schenectady.....	1,039	10.8	65	46	54	981	10.2	81
Seattle.....	4,142	10.9	164	34	43	4,153	11.0	212
Somerville.....	973	9.1	62	51	47	930	8.7	63
South Bend.....	833	7.3	57	39	50	836	7.5	77
Spokane.....	1,375	11.7	72	37	40	1,342	11.5	75
Springfield, Mass.....	1,721	11.0	120	44	57	1,683	10.9	150
Syracuse.....	2,398	11.0	139	39	49	2,521	11.7	187
Tacoma.....	1,394	12.8	53	28	48	1,380	12.7	84
Tampa.....	1,226	11.1	83	54	52	1,182	10.9	89
White.....	852	9.7	60	48	42	878	10.3	57
Colored.....	374	16.1	23	81	89	304	13.4	32
Toledo.....	3,434	11.3	236	56	62	3,444	11.4	272
Trenton.....	1,835	14.8	115	48	58	1,754	14.1	146
Utica.....	1,432	13.9	92	53	60	1,526	14.8	110
Washington, D.C.....	7,835	16.0	659	66	73	7,937	16.1	740
White.....	4,791	13.4	318	48	56	5,001	14.0	380
Colored.....	3,094	22.6	341	99	108	2,936	21.6	360
Waterbury.....	919	9.0	74	55	43	1,040	10.2	80
Wilmington, Del. ⁵	1,529	14.4	103	47	62	1,490	14.0	136
Worcester.....	2,471	12.4	164	51	53	2,379	12.0	181
Yonkers.....	1,082	7.5	86	50	46	1,194	8.4	90
Youngstown.....	1,613	9.1	125	49	62	1,659	9.5	175

¹ Based upon telegraphic reports received each week from city health officers.

² Allowance has been made for the extra day which must be added to the 52 weeks to give a period of 365 days.

³ Infant mortality rate is based upon deaths under 1 year as returned each week, and estimated live births, 1933.

⁴ Based upon deaths which occurred within the calendar year.

⁵ Mortality rates based upon population Apr. 1, 1930; decreased 1920 to 1930; no estimate made.

NOTE.—For the cities for which deaths are shown by color, the percentages of colored population in 1930 were as follows: Atlanta, 33, Baltimore 18, Birmingham 38, Dallas 17, Fort Worth 16, Houston 27, Indianapolis 12, Kansas City, Kans. 19, Knoxville 16, Louisville 15, Memphis 38, Miami 23, Nashville 28, New Orleans 29, Richmond 29, Tampa 21, and Washington, D.C. 27.

DEATHS DURING WEEK ENDED JAN. 6, 1934

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

	Week ended Jan. 6, 1934	Corresponding week, 1933
Data from 86 large cities of the United States:		
Total deaths.....	9,344	9,776
Deaths per 1,000 population, annual basis.....	13.0	13.6
Deaths under 1 year of age.....	630	676
Deaths under 1 year of age per 1,000 estimated live births.....	59	57
Data from industrial insurance companies:		
Policies in force.....	67,833,275	69,164,524
Number of death claims.....	10,178	11,377
Death claims per 1,000 policies in force, annual rate.....	7.8	8.6

¹ Data for 81 cities.

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 Jan. 13, 1934, and Jan. 14, 1933

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Jan. 13, 1934, and Jan. 14, 1933

Division and State	Diphtheria		Influenza		Measles		Meningococcus meningitis	
	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933
New England States:								
Maine.....	1	1	9	1,341	5	-----	0	0
New Hampshire.....	1	-----	-----	-----	85	-----	0	0
Vermont.....	3	3	-----	-----	33	-----	0	0
Massachusetts.....	20	22	-----	263	1,209	140	2	0
Rhode Island.....	1	4	-----	79	2	1	1	0
Connecticut.....	7	5	12	471	10	100	0	0
Middle Atlantic States:								
New York.....	54	69	116	1,533	652	1,160	5	11
New Jersey.....	27	39	26	444	110	308	1	1
Pennsylvania.....	84	111	-----	-----	946	360	4	2
East North Central States:								
Ohio.....	75	62	100	870	239	559	1	3
Indiana.....	41	46	75	452	170	16	9	4
Illinois.....	60	86	19	245	147	77	10	9
Michigan.....	14	23	7	173	46	378	0	5
Wisconsin.....	9	10	49	4,943	157	158	2	3
West North Central States:								
Minnesota.....	11	6	1	88	97	224	0	2
Iowa.....	13	22	15	1,208	63	-----	0	5
Missouri.....	73	46	7	104	433	79	1	4
North Dakota.....	-----	8	5	2,470	134	65	0	0
South Dakota.....	5	12	1	148	340	5	1	0
Nebraska.....	12	14	-----	216	17	9	0	3
Kansas.....	20	10	1	2,027	29	25	2	2
South Atlantic States:								
Delaware.....	5	11	3	13	12	2	0	0
Maryland.....	16	15	26	1,235	51	6	0	2
District of Columbia.....	13	10	5	11	101	7	0	1
Virginia.....	43	22	-----	-----	309	176	4	5
West Virginia.....	23	12	39	2,094	17	223	0	1
North Carolina.....	51	17	49	1,193	1,382	144	0	1
South Carolina.....	15	10	684	3,016	334	20	0	0
Georgia.....	12	12	-----	1,507	849	4	0	0
Florida.....	14	9	3	84	11	4	0	0

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Jan. 13, 1934, and Jan. 14, 1933—Continued

Division and State	Diphtheria		Influenza		Measles		Meningococcus Meningitis	
	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933
East South Central States:								
Kentucky.....	20	34	7	4, 134	7		2	3
Tennessee.....	26	23	70	1, 630	437	9	2	4
Alabama.....	33	30	50	1, 119	137	4	2	5
Mississippi.....	14	10					0	0
West South Central States:								
Arkansas.....	9	13	65	1, 187	681	6	0	0
Louisiana.....	21	22	16	560	22	2	3	2
Oklahoma.....	39	21	72	1, 410	232		2	3
Texas.....	232	108	1, 262	3, 054	1, 135	543	4	1
Mountain States:								
Montana.....	1	6	4	2, 250	4	194	0	0
Idaho.....			3	3	24	6	0	0
Wyoming.....		2			41	20	0	0
Colorado.....	5	11		108	11	10	0	0
New Mexico.....	8	12	3	4	124	3	0	0
Arizona.....	2	3	21	51	16		4	0
Utah.....	1	2		5	606		0	0
Pacific States:								
Washington.....	3	4		58	400	3	0	0
Oregon.....	2	3	31	527	27	25	0	0
California.....	48	61	48	756	635	108	3	5
Total.....	1, 187	1, 082	2, 804	42, 064	12, 529	5, 188	65	87

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933
New England States:								
Maine.....	2	0	19	45	0	0	1	0
New Hampshire.....	0	0	35	26	0	0	0	0
Vermont.....	0	0	12	17	0	0	0	0
Massachusetts.....	1	0	260	416	0	0	3	3
Rhode Island.....	0	0	23	41	0	0	0	0
Connecticut.....	0	0	62	114	0	1	0	1
Middle Atlantic States:								
New York.....	2	0	687	747	0	0	7	7
New Jersey.....	0	1	165	265	0	0	5	1
Pennsylvania.....	0	2	709	594	0	0	13	6
East North Central States:								
Ohio.....	0	1	554	682	0	7	2	4
Indiana.....	0	0	188	108	2	2	0	1
Illinois.....	0	1	528	488	3	12	7	2
Michigan.....	2	0	335	408	1	0	1	3
Wisconsin.....	0	0	137	101	18	4	0	0
West North Central States:								
Minnesota.....	1	0	66	94	1	2	1	0
Iowa.....	0	0	72	30	2	16	0	0
Missouri.....	1	0	147	118	2	0	3	2
North Dakota.....	0	0	10	3	1	1	2	0
South Dakota.....	0	0	18	19	1	0	2	32
Nebraska.....	0	0	39	22	2	2	0	0
Kansas.....	0	0	121	73	4	1	3	1
South Atlantic States:								
Delaware.....	1	0	12	15	0	0	1	0
Maryland.....	0	1	110	101	0	0	5	1
District of Columbia.....	0	0	16	21	0	0	1	0
Virginia.....	0	0	123	66	0	0	5	1
West Virginia.....	1	0	67	47	0	0	5	3
North Carolina.....	0	0	115	65	0	2	2	1
South Carolina.....	3	0	9	8	0	1	6	2
Georgia.....	0	0	14	17	0	0	7	3
Florida.....	0	0	8	8	0	0	2	4

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Jan. 13, 1934, and Jan. 14, 1933.—Continued

Division and State	Poliomyelitis		Scarlet fever		Smallpox		Typhoid fever	
	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933	Week ended Jan. 13, 1934	Week ended Jan. 14, 1933
East South Central States:								
Kentucky.....	0	3	66	35	1	0	2	3
Tennessee.....	0	0	72	44	0	2	9	6
Alabama ¹	1	1	24	22	1	2	3	8
Mississippi ²	1	0	13	7	0	2	0	0
West South Central States:								
Arkansas.....	0	0	13	9	2	12	5	1
Louisiana.....	0	0	28	16	5	5	9	5
Oklahoma ³	0	1	24	49	0	2	2	4
Texas ⁴	0	0	249	113	6	15	21	8
Mountain States:								
Montana.....	0	0	16	16	0	0	0	0
Idaho.....	0	0	6	7	0	4	2	1
Wyoming.....	0	0	18	18	2	1	1	0
Colorado.....	0	0	14	23	3	0	0	1
New Mexico.....	0	0	34	14	0	0	4	3
Arizona.....	2	0	22	10	0	1	0	0
Utah ⁵	0	0	10	14	1	1	0	0
Pacific States:								
Washington.....	5	1	36	28	8	5	0	3
Oregon.....	0	0	60	16	8	1	0	0
California.....	8	1	343	174	6	24	11	6
Total.....	31	13	5,709	5,374	80	128	153	127

¹ New York City only.

² Week ended earlier than Saturday.

³ Rocky Mountain spotted fever, week ended Jan. 13, 1934, North Carolina, 1 case.

⁴ Typhus fever, week ended Jan. 13, 1934, 33 cases, as follows: Georgia, 14; Florida, 1; Alabama, 3; Texas, 15.

⁵ 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	Ma- laria	Meas- les	Pel- lagra	Polio- mye- litis	Scarlet fever	Small- pox	Ty- phoid fever
<i>December 1933</i>										
District of Columbia	3	52	9	-----	125	1	2	75	0	9
Florida.....	1	57	9	33	39	1	1	16	0	8
New Jersey.....	5	101	97	-----	333	-----	2	580	0	17
New York.....	16	273	-----	6	3,297	-----	24	2,090	1	42
North Dakota.....	3	25	-----	-----	125	-----	0	137	0	9
Ohio.....	7	291	207	3	486	-----	9	2,120	5	22
Vermont.....	-----	4	-----	-----	297	-----	0	69	0	3

<i>December 1933</i>		Dysentery:	Cases	Lead poisoning:	Cases
Anthrax:	Cases	Florida.....	5	New Jersey.....	1
New York.....	1	New Jersey (amoebic).....	6	Ohio.....	5
Chicken pox:		New York (amoebic).....	11	Lethargic encephalitis:	
District of Columbia.....	44	New York (bacillary).....	25	New York.....	5
Florida.....	61	North Dakota.....	5	North Dakota.....	1
New Jersey.....	1,283	Ohio.....	19	Ohio.....	2
New York.....	3,584	Food poisoning:		Mumps:	
North Dakota.....	182	Ohio.....	10	Florida.....	4
Ohio.....	2,516	German measles:		New Jersey.....	160
Vermont.....	226	New Jersey.....	18	North Dakota.....	4
Diarrhea and enteritis:		New York.....	104	Ohio.....	108
Ohio (under 2 years)....	22	Ohio.....	120	Vermont.....	76

Ophthalmia neonatorum:	Cases	Tetanus:	Cases	Undulant fever:	Cases
New Jersey	1	New York	6	Florida	1
New York	2	Ohio	3	New Jersey	4
Ohio	71			New York	23
Paratyphoid fever:		Trachoma:		Ohio	1
New Jersey	1	Ohio	5		
New York	8	Trichinosis:		Vincent's infection:	
Ohio	1	New Jersey	10	New York	79
Puerperal septicaemia:		New York	19		
Ohio	3	Ohio	1	Whooping cough:	
Rabies in animals:		Tularaemia:		District of Columbia	70
New Jersey	11	Ohio	37	Florida	11
New York	1	Typhus fever:		New Jersey	485
Septic sore throat:		Florida	1	New York	1,656
New York	31	Ohio	1	North Dakota	36
Ohio	226	New York	1	Ohio	914
				Vermont	257

1 Exclusive of New York City.

WEEKLY REPORTS FROM CITIES

City reports for week ended Jan. 6, 1934

State and city	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Small-pox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths all causes
	Cases	Deaths								
Maine:										
Portland	0	0	0	3	1	0	0	0	10	18
New Hampshire:										
Concord	0	0	1	0	0	0	0	0	0	10
Manchester	0	1	0	2	1	0	0	0	0	15
Nashua	0	0	1	0	3	0	0	0	0	
Vermont:										
Barre	0	0	8	1	0	0	0	0	0	3
Burlington	0	0	0	0	4	0	0	0	7	8
Massachusetts:										
Boston	3	2	234	35	42	0	10	0	27	264
Fall River	0	0	0	2	2	0	0	0	2	30
Springfield	0	0	1	3	1	0	0	0	12	44
Worcester	0	0	256	6	11	0	1	0	0	58
Rhode Island:										
Pawtucket	1	0	0	0	2	0	0	0	0	12
Providence	0	0	0	15	6	0	2	0	7	81
Connecticut:										
Bridgeport	0	2	2	6	7	0	2	0	5	48
Hartford	0	1	0	0	3	4	0	0	1	49
New Haven	0	4	0	0	5	0	0	0	1	33
New York:										
Buffalo	2	1	168	23	15	0	5	0	13	152
New York	38	26	14	20	189	202	0	83	3	1,653
Rochester	1	0	0	7	9	0	1	0	6	86
Syracuse	0	0	0	12	8	0	0	0	25	55
New Jersey:										
Camden	0	1	18	4	9	0	1	0	0	44
Newark	0	9	0	3	9	12	0	4	1	109
Trenton	0	0	2	5	5	0	0	0	1	29
Pennsylvania:										
Philadelphia	2	12	9	304	51	57	0	28	0	43
Pittsburgh	15	5	4	11	20	29	0	9	1	23
Reading	1	1	2	3	4	0	1	0	4	28
Scranton	0	0	1	1	0	6	0	0	4	
Ohio:										
Cincinnati	8	2	0	262	17	28	0	10	0	13
Cleveland	10	41	5	0	38	51	0	9	0	73
Columbus	0	0	2	6	19	0	4	0	0	99
Toledo	0	1	1	67	10	26	0	1	0	7
Indiana:										
Fort Wayne	2	0	1	1	7	0	1	0	0	21
Indianapolis	3	0	5	18	12	0	3	0	19	
South Bend	0	1	0	2	1	0	0	0	0	17
Terre Haute	0	1	29	3	2	0	0	0	0	14
Illinois:										
Chicago	2	3	4	18	64	162	0	36	1	126
Springfield	0	0	0	0	1	0	0	0	0	8
Michigan:										
Detroit	8	7	1	6	28	80	0	12	0	71
Flint	1	0	0	5	26	0	1	1	0	31
Grand Rapids	1	0	2	6	2	0	0	0	0	24
Wisconsin:										
Kenosha	0	0	0	0	16	0	0	0	0	5
Milwaukee	2	3	3	1	9	11	0	1	0	58
Racine	0	0	0	0	10	0	1	0	0	6
Superior	0	0	0	0	2	0	0	0	2	18

City reports for week ended Jan. 6, 1934—Continued

State and city	Influenza		Meas-les cases	Pneu-monia deaths	Scar-let fever cases	Small-pox-cases	Tuber-culosis deaths	Ty-phoid fever cases	Whoop-ing cough cases	Deaths all causes
	Cases	Deaths								
Minnesota:										
Duluth.....	0	0	0	5	0	0	2	0	0	25
Minneapolis.....	3	0	3	16	15	0	0	3	3	114
St. Paul.....	0	5	1	10	7	1	1	2	14	67
Iowa:										
Des Moines.....	1		0		19	0		0	0	38
Sioux City.....	4		0		0	0		0	0	2
Waterloo.....	0		24		1	0		0	1	
Missouri:										
Kansas City.....	5	1	1	27	36	0	7	0	9	150
St. Joseph.....	0	0	0	9	2	0	1	1	0	33
St. Louis.....	29	1	1	266	27	19	6	1	35	232
North Dakota:										
Fargo.....	0	0	91	2	0	0	0	0	0	8
Grand Forks.....	0	0	0	0	0	0	0	0	0	
South Dakota:										
Sioux Falls.....	0	0	101	0	0	0	0	0	0	7
Nebraska:										
Omaha.....	1	0	29	12	7	2	0	0	11	54
Kansas:										
Topeka.....	0	0	0	0	2	0	0	0	6	3
Wichita.....	1	0	0	2	6	0	4	0	4	41
Delaware:										
Wilmington.....	2	0	3	6	3	0	0	0	2	38
Maryland:										
Baltimore.....	1	18	3	2	32	31	0	16	0	266
Cumberland.....	2	0	0	2	4	0	0	0	1	6
Frederick.....	0	0	0	0	3	0	0	0	0	8
District of Columbia:										
Washington.....	8	1	0	60	18	13	0	10	0	7
Virginia:										
Lynchburg.....	7	0	0	0	4	0	0	1	0	11
Richmond.....	0	1	1	3	6	0	1	0	0	57
Roanoke.....	2	0	0	2	5	0	0	0	1	15
West Virginia:										
Charleston.....	2	1	0	0	1	0	0	0	0	13
Huntington.....	0	0	0	8	0	0	0	0	0	
Wheeling.....	0		1		6			0	7	
North Carolina:										
Raleigh.....	0	1	0	1	1	0	0	0	5	17
Wilmington.....	0	0	1	0	0	0	0	0	1	7
Winston-Salem.....	4	2	0	318	1	4	0	0	1	12
South Carolina:										
Charleston.....	0	9	0	0	4	0	0	0	0	24
Columbia.....	0	0	0	1	0	0	0	0	0	6
Greenville.....	0	0	0	3	0	0	1	0	0	34
Georgia:										
Atlanta.....	4	33	2	39	14	6	5	0	2	92
Brunswick.....	0	0	10	0	0	0	0	0	0	2
Savannah.....	0	15	0	10	4	1	1	0	0	32
Florida:										
Miami.....	0	0	0	0	0	0	1	0	3	24
Tampa.....	4	0	0	3	1	0	3	0	0	30
Kentucky:										
Ashland.....	1	4	0		2	0		0	0	
Lexington.....	0	0	0	1	0	0	2	0	0	21
Louisville.....	5	0	0	14	24	0	1	0	7	78
Tennessee:										
Memphis.....	7	0	18	12	7	0	3	0	0	88
Nashville.....	0	1	45	4	3	0	3	1	4	45
Alabama:										
Birmingham.....	4	2	1	6	6	0	5	0	0	67
Mobile.....	0	0	1	8	0	0	2	0	0	22
Montgomery.....	3	2	7		0	0		0	5	
Arkansas:										
Fort Smith.....	0		9		0	0		0	0	
Little Rock.....	1	0	33	5	0	0	1	0	0	7
Louisiana:										
New Orleans.....	12	5	4	5	13	3	14	0	1	159
Shreveport.....	2	0	0	0	0	2	5	0	0	27
Oklahoma:										
Tulsa.....	2		3		0	0		0	2	
Texas:										
Dallas.....	6	3	3	0	13	8	5	0	0	78
Fort Worth.....	10	1	0	3	7	0	1	0	1	44
Galveston.....	1	0	0	1	3	0	1	0	0	19
Houston.....	10	0	1	11	5	0	6	1	0	87
San Antonio.....	9	6	0	12	6	0	11	0	0	86

City reports for week ended Jan. 6, 1934—Continued

State and city	Diphtheria cases	Influenza		Measles cases	Pneumonia deaths	Scarlet fever cases	Small-pox cases	Tuberculosis deaths	Typhoid fever cases	Whooping cough cases	Deaths all causes
		Cases	Deaths								
Montana:											
Billings.....	0		0	0	0	0	0	0	0	0	8
Great Falls.....	0		0	0	1	1	0	0	1	0	3
Helena.....	0		0	0	0	0	0	0	0	0	3
Missoula.....	0		0	0	1	0	0	0	3	0	6
Idaho:											
Boise.....	0		0	0	3	0	1	0	0	4	5
Colorado:											
Denver.....	3	29	0	1	4	14	0	3	0	47	88
Pueblo.....	0		0	0	0	1	0	2	0	2	11
New Mexico:											
Albuquerque.....	0		0	0	2	4	0	2	0	9	15
Utah:											
Salt Lake City..	0		2	553	2	7	0	2	0	20	30
Nevada:											
Reno.....	0		0	0	1	0	0	0	0	0	3
Washington:											
Seattle.....				297	1	0			0	7	29
Spokane.....	0	1	1	0	1	1	0	0	0	10	29
Tacoma.....	1		0	0	1	1	0	0	0		
Oregon:											
Portland.....	1		0	0	6	9	0	0	1	5	67
Salem.....	0	3	0	0	0	0	0	0	0	4	
California:											
Los Angeles.....	13	15	0	3	18	48	0	16	1	38	329
Sacramento.....	0	2	1	4	10	3	0	4	0	0	41
San Francisco....	0	3	3	6	15	9	0	15	0	10	186

State and city	Meningococcus meningitis		Polio-myelitis cases	State and city	Meningococcus meningitis		Polio-myelitis cases
	Cases	Deaths			Cases	Deaths	
Massachusetts:				Illinois:			
Boston.....	1	1	0	Chicago.....	5	1	0
New York:				Missouri:			
New York.....	2	1	0	Kansas City.....	1	0	0
New Jersey:				North Carolina:			
Newark.....	1	0	0	Winston-Salem.....	1	0	0
Pennsylvania:				Arkansas:			
Philadelphia.....	1	1	0	Little Rock.....	1	0	0
Indiana:				Utah:			
Indianapolis.....	0	1	0	Salt Lake City.....	1	0	0

Nonresident.

Typhus fever.—Cases: Pawtucket, R.I., 1; Wilmington, N.C., 1; Atlanta, 1; Savannah, 2; Miami, 1; Mobile, 1. Deaths: Baltimore, 1.

Lethargic encephalitis.—Cases: Detroit, 1; St. Louis, 3; Washington, 1; Atlanta, 1.

Pellagra.—Cases: Winston-Salem, 1; Memphis, 1; Los Angeles, 1.

Rabies in man.—Memphis, 1 death.

FOREIGN AND INSULAR

BELGIUM

Vital statistics—1930, 1931, and 1932.—The following statistics have been published by the Central Office of Statistics, for Belgium:

	1930	1931	1932
Number of births per 1,000 inhabitants.....	18.65	18.15	17.57
Number of deaths per 1,000 inhabitants.....	12.83	12.77	12.73
Number of marriages per 1,000 inhabitants.....	8.89	8.14	7.60

NOTE.—The population of Belgium was estimated as 8,092,004 in 1930, 8,159,135 in 1931, and 8,213,449 in 1932.

CUBA

Provinces—Communicable diseases—4 weeks ended September 30, 1933.—During the 4 weeks ended September 30, 1933, cases of certain communicable diseases were reported in the Provinces of Cuba, as follows:

Disease	Pinar del Rio	Habana	Matanzas	Santa Clara	Cama-guey	Oriente	Total
Diphtheria.....	1	2	—	—	7	—	10
Malaria.....	14	2	42	247	4	25	334
Measles.....	1	—	—	2	—	—	3
Tuberculosis.....	9	90	28	70	32	21	250
Typhoid fever.....	1	6	7	52	9	15	90

IRISH FREE STATE

Vital statistics—Third quarter 1933.—The following statistics for the Irish Free State for the third quarter ended September 30, 1933, are taken from the quarterly return of marriages, births, and deaths, issued by the registrar general:

	Number	Rates per 1,000 population
Population.....	2,992,000	—
Marriages.....	3,553	4.80
Births.....	14,923	20.00
Total deaths.....	8,267	11.10
Deaths under 1 year.....	826	(1)
Deaths from:		
Cancer.....	774	1.03
Diarrhea and enteritis (under 2 years).....	210	—
Diphtheria.....	91	—
Influenza.....	92	.12
Measles.....	4	—
Puerperal sepsis.....	18	.1.21
Scarlet fever.....	13	—
Tuberculosis (all forms).....	783	1.05
Typhoid fever.....	21	—
Typhus fever.....	1	—
Whooping cough.....	67	—

¹ Deaths under 1 year per 1,000 births, 55.

² Per 1,000 births.

JAMAICA

Communicable diseases—4 weeks ended December 30, 1933.—During the 4 weeks ended December 30, 1933, 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
Chicken pox.....	2	28	Poliomyelitis.....	1	1
Diphtheria.....		4	Puerperal fever.....		6
Dysentery.....	9	9	Scarlet fever.....	1	
Erysipelas.....		1	Tuberculosis.....	21	45
Leprosy.....		2	Typhoid fever.....	23	65

PUERTO RICO

Notifiable disease—4 weeks ended December 30, 1933.—During the 4 weeks ended December 30, 1933, cases of certain notifiable diseases were reported in the municipalities of Puerto Rico, as follows:

Disease	Cases	Disease	Cases
Chicken pox.....	25	Pellagra.....	1
Diphtheria.....	47	Puerperal fever.....	2
Dysentery.....	136	Ringworm.....	4
Filariasis.....	5	Syphilis.....	16
Framboesia.....	1	Tetanus.....	4
Influenza.....	220	Trachoma.....	23
Malaria.....	1 28, 536	Tuberculosis.....	469
Measles.....	173	Typhoid fever.....	30
Mumps.....	38	Whooping cough.....	339
Ophthalmia neonatorum.....	3		

¹ Includes results from a special survey.

Philippine Islands: 1	May 1933		June 1933		July 1933			August 1933		September 1933			October 1933		
	1-10	11-20	1-10	11-20	1-10	11-20	21-31	1-10	11-20	21-31	1-10	11-20	21-30	1-10	11-20
Antique Province.....															
Bohol Province.....	80		1	6	1	26	6	10	2	31	39	6	6	8	6
Cebu Province.....	38		3	1	1	12	3	31	21	14	25	41	25	51	6
Cebu.....	2	90	26	39	22	16	16	10	23	18	7	23	16	16	10
Cebu.....	2	39	20	28	14	9	4	4	16	12	4	13	10	9	1
Cebu.....	1		1	9	6	3	6	1	11	4	1	10	9	1	1
Cebu.....	1		1	7	2	3	1	2	1	6	1	1	1	1	1
Nega.....															
Iloilo Province.....															
Iloilo.....			1	1											
Iloilo.....			1	1											
Iloilo.....			1	1											
Leyte Province.....															
Occidental Negros Province.....	2		2	1											
Occidental Negros Province.....	2		2	1											
Occidental Negros Province.....	19		6	1											
Occidental Negros Province.....	9		7	1											
Occidental Negros Province.....															
Samar Province.....	7		31	32	11										
Samar.....	6		20	20	8										
Samar.....															
Samar.....															
Siam:															
Bangkok.....	1														
Provinces.....	28		1												
Provinces.....	14		1												

Place	May 1933		June 1933		July 1933			August 1933		September 1933			October 1933		
	1-10	11-20	1-10	11-20	1-10	11-20	21-31	1-10	11-20	21-31	1-10	11-20	21-30	1-10	11-20
Indo-China (French) (see also table above):															
Cambodia.....	11	14	17	23	31	14									
Cochin-China.....	8	10	9	12	17	6	3	1							
Cochin-China.....	5	5	9	6	4	5	6	2	2	12	3	2	2	2	2
Cochin-China.....	4	8	6	4	8	4	5	2	3	3	2	1	1	1	1

1 During the week ended Jan. 13, 1934, cholera was reported in the Philippine Islands as follows: Bohol Province—Antequera, 3 cases, 2 deaths; Calape, 11 cases, 9 deaths; Clarin, 1 case, 1 death; Corles, 11 cases, 6 deaths; Loon, 23 cases, 8 deaths; Mariboc, 3 cases, 1 death; Tubigon, 11 cases, 11 deaths. Cebu Province—Arao, 6 cases, 3 deaths; Balaamban, 1 case, 1 death; Carcar, 2 cases, 4 deaths; Naga, 2 cases, 1 death; San Fernando, 1 case, 1 death; Sibonga, 1 case, 2 deaths. Iloilo Province—Ajuy, 1 case, 1 death. Oriental Negros Province—Bals, 11 cases, 2 deaths; Panaditan, 3 cases; Poblacion, 1 case; Tanjay, 6 cases, 7 deaths.

* Reports incomplete.

CHOLERA, FLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

PLAGUE—Continued

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

Place	June 1933	July 1933	August 1933	September 1933	October 1933	November 1933	December 1933	January 1934
Argentina (see also table above)		7						
Bolivia	C	3	6	4	C			
British East Africa (see also table above):	D	25	2	1	D			
Kenya	C			5	C			
Uganda	C	6	3	13	C			
Ecuador	C	47	91	97	71			
Indo-China (see also table above):	C							
Cambodia	D	5	3	6	16	8		
Cochin-China	C	2	5	1				
Madagascar							100	
Peru							132	18
Senegal:							92	7
Dakar							6	1
Medina							57	5
Tiivaouane							39	3
							31	4
							23	10
							1	1
							5	1
							2	1

* Incomplete reports.

SMALLPOX

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

Place	Week ended—											
	May 28—June 25, 1933			June 25—July 30, 1933			July 30—Aug. 27, 1933			August 27—Sept. 30, 1933		
	7	14	21	28	4	11	18	25	2	9	16	23
Algeria:												
Algiers Department												
Constantine Department												
Arabia: Muscat—Oman Sultanate						1						
Belgian Congo												
Bolivia. (See table below)												
Brazil: Porto Alegre (alastirim)	6		1	1	4	1						
British East Africa: Tanganyika	10		6	21	4	28	35	132				

Mexico (see also table below):	June 1933		July 1933			August 1933			September 1933			October 1933			November 1933			
	Place	1933	1-10	11-20	21-31	1-10	11-20	21-31	1-10	11-20	21-30	1-10	11-20	21-31	1-10	11-20	21-31	
Coahuila.....	C																	
Juarez. ¹	C		1	12														
Mexico, D. F.....	C		5	1														
Monterrey.....	D			1														
Saltillo.....	D		3															
San Luis Potosi.....	D		1	8														
Torreón.....	D			1														
Vera Cruz.....	D																	
Morocco. (See table below.)	C																	
Nigeria.....	C		675	361	113	74	92	268	103									
Nyasaland. (See table below.)	C		13															
Palestine.....	C		3															
Paraguay: Asunción.....	C		26	20	10	8	12	25	6	6								
Persia.....	C		63	7	11	2	1	2	2	2								
Teheran.....	D		21	17	3	2	1	6	3	3								
Peru. (See table below.)	C		8	6	1	1		2	2	2								
Poland.....	C		1					1	1									
Portugal (see also table below):	C																	
Lisbon.....	C		3	3	3													
Oporto.....	C		2	1														
Siam.....	C		5	1														
Sierra Leone.....	C		2															
Spain.....	C		45	6	260			1 118	1 530	1 48								
Sudan (Anglo-Egyptian).....	C		50	29	16	4			27	13	14	1	15	5	1	40	17	
Syria.....	C		1															
Belrut.....	C		6	14	21													
Provinces.....	C		4	9	11	7	16	18	2	19	14		6	18		12	8	12
Turkey. (See table below.)	C																	
Union of South Africa: Orange Free State.....	C		P															
On vessels:																		
S. S. Ferncoer at Vancouver.....	C		4															
S. S. Arracon at Newport.....	C			1														
S. S. Clan Macquarrie at Suez.....	C																	
S. S. Sikh at Madras.....	C			1														
S. S. Lichtenfels at Suez from Calcutta.....	C			1														
S. S. Shahlehan at Madras.....	C			1														
S. S. Rohna at Penang from Madras.....	C			1														

¹ For 3 weeks. ² Dec. 18, 1933: 90 cases of smallpox were reported in Juarez, Mexico, with 18 deaths occurring from Dec. 1 to 16, 1933.

