

PUBLIC HEALTH REPORTS

VOL. 42

JULY 8, 1927

NO. 27

THE PUBLIC HEALTH SERVICE NURSING CORPS

By LUCY MINNIGERODE, *Superintendent of Nurses, United States Public Health Service*

After the armistice the question of caring for disabled service men became a vital and immediate problem. Up to that time these sick and wounded patients had been cared for in all Government hospitals, but the great majority were in Army and Navy institutions.

By an act of Congress approved March 3, 1919, the postwar care of these disabled ex-service men was assigned to the Public Health Service, and the service was confronted with the problem of providing, for immediate use, hospitals, physicians, and nurses. At that time there were 23 marine hospitals with a bed capacity of 1,500, which had to be expanded to care for several thousand sick and wounded patients. Fortunately, the Reserve Corps of medical officers could be expanded and there were many physicians available who had served with the military forces. Until this time, however, or rather until the outbreak of the war, graduate nurses were only occasionally employed in the Public Health Service; the nursing staff of the hospitals had consisted of male nurses and orderlies only. In undertaking the work in the extra-cantonment zones the immediate employment of public health nurses was necessary. These nurses were secured through the American Red Cross; and when that work was discontinued in June, 1919, 217 nurses were on duty. During this time a nurse was appointed as field director of nurses in extra-cantonment zones, but without jurisdiction over other nurses of the service.

In the Ellis Island hospital there had been nurses for a number of years. This hospital was conducted for sick immigrants and contained 650 beds, which were generally occupied. A few nurses had also been employed for public health work during the course of any given piece of work. The hospitals established in industrial plants had been staffed with nurses detailed from the Red Cross; but with the ending of mass production of war materials, these hospitals had been closed.

Such was the nursing situation when the Public Health Service was faced with the necessity for establishing a sufficient number of hospitals to care for the many thousand sick and wounded who were

returning to this country from the battle fields abroad. Machinery to put this project into operation was set up; search was made for available sites for hospitals; and physicians, nurses, dietitians, reconstruction aides and other personnel were needed. A superintendent of nurses was appointed. There were then on duty in the Public Health Service about 90 nurses. From this number was built up the present nursing service, with the close cooperation and help of the Red Cross. Just as nurses had been secured by thousands for the Army and Navy during the war, so were they secured by hundreds to meet this new demand. Recruiting among the returning nurses was inaugurated through the placement bureau in New York; and, as usual, a sufficient number responded to this new demand upon them. During the three years that this work of caring for ex-service patients was done by the Public Health Service, 87 hospitals in all were established and 1,800 nurses were on duty. It has always been a matter of pride to the Public Health Service, as showing the caliber of the nurses on duty, that, when the transfer of hospitals was made, practically over night, 1,442 nurses were transferred by the Public Health Service to the Veterans' Bureau, and many of those nurses are still in Veterans' Bureau hospitals to-day. This transfer left the Public Health Service with 25 hospitals and 356 nurses. The bed capacity of service hospitals had increased from 1,500 to 3,500, and two new hospitals had been acquired. It was during this period, also, that the Government established a national leprosarium for the care and treatment of lepers. For this purpose the already existing leprosarium at Carville, La., was obtained and is being operated now for the care and treatment of lepers. It has a bed capacity of 450. The nursing is done by Catholic Sisters, and the leprosarium is one of the show places of the State. It is about 90 miles from New Orleans, and every facility for treatment and for the alleviation of their unfortunate condition is made available for the patients.

Nurses are now on duty in all hospitals, in the larger relief stations, in quarantine stations, rural sanitation work, child hygiene, industrial hygiene, the collection of morbidity statistics, and in the trachoma-investigation work.

Trachoma investigation is one of the most interesting branches of work done by the Public Health Service, and it has been eminently successful in decreasing the number of cases wherever the work has been done. Small hospitals are established in communities where trachoma is prevalent, and the work is carried on in cooperation with State and local health agencies. The patients are cared for in the little hospital, generally a house converted temporarily to serve as a hospital. Two nurses are on duty in each hospital—one as house-keeper and one as treatment nurse. There is a chief nurse in charge of the nurses' work, and new appointees are given a course of instruc-

tion at headquarters at Rolla, Mo. The hospitals usually care for about 25 patients at a time. Each case is treated five times daily—twice by the doctor in charge, assisted by the nurse, and three times by the nurse. There is rarely any other nursing work to be done for them. The nurses change duties every two weeks. The work is interesting, and the nurses usually stay for several years. It is repaying in results accomplished and in the appreciation of patients for the help given.

While the duties of the nurses in the Army, Navy, and Veterans' Bureau are limited to the needs of soldiers, sailors, and ex-service men, the Public Health Service is responsible to some degree for the health conditions throughout the whole country. It works in close cooperation with State and local health officers and assists in any health emergency, with advice and personnel, whenever requested. In serious epidemics the Public Health Service is called upon to assist in the work of suppression and control, and its nurses might be detailed to such work.

Nurses in rural sanitation work are assigned to State health authorities or to county health officers. In the making of health surveys in any given city or community, nurses of the Public Health Service may be used.

While the Public Health Service is concerned with health in its broadest sense, its work in the various States is practically solely in an advisory capacity, and it is reasonable to believe that it will develop no extensive public health nursing work for some time to come. The hospital work is increasing steadily, and there are to be built several new hospitals which will be up-to-date institutions in every respect.

The establishment of the section of Government nursing services has brought the Government nursing service very close to the American Nurses' Association, which, with the *American Journal of Nursing*, has given both support and assistance to the superintendents of nurses in the Government service.

The United States Government employs more nurses in its varied services than any other organization in the world, and it is well worthy of the support of nurses throughout the country; and since it cares for the defenders of our country in times of stress, for the merchant seamen who carry supplies in time of war, for the civilian employees on transports, for Coast Guard personnel, life-saving personnel, lighthouse keepers, and other Government workers, we feel that the best the nursing profession has to give should be made available for these services.

In addition to nurses there are on duty in most of the Public Health Service hospitals dietitians and physiotherapists, whose qualifications must meet a definite standard established by the service. These

groups are on the same basis as nurses, and all receive the same pay and are appointed to the same grades.

In the Public Health Service 356 nurses, 40 aides, 21 dietitians, and 3 hospital social workers are all combined in the Nursing Corps under the superintendent of nurses. This has been found desirable, in view of the limited number of workers. There is practically no friction among the workers at the stations. The work goes smoothly, the personnel are friendly, a homelike spirit pervades the service—all desirable considerations when different fields of endeavor are being developed.

Professional qualifications for appointment of nurses in the Public Health Service are the same as those for appointment in the Army and Navy. However, the Army and Navy Nursing Corps are established by legislation, whereas the Public Health Service nurses are civilian employees and must be appointed under the Civil Service Commission.

The five established Government nursing services—Army, Navy, Public Health Service, Veterans' Bureau, and Indian Bureau—work in very close cooperation, and all maintain the highest professional standards.

The Public Health Service is composed of highly qualified medical personnel, qualified in every field of medical work—curative, preventive, and investigative. In the field of public health, experts in every branch have been developed.

We, in Government service, believe that the Government offers an unusual field of opportunity to nurses who desire permanent work in their chosen profession.

A circular of information, which is sent to applicants for appointment in the Public Health Service Nursing Corps, a civil service application blank, and a blank for information regarding experience will be sent on application to the Surgeon General, United States Public Health Service, Washington, D. C.

SUMMARY OF PROVISIONAL BIRTH, DEATH, AND INFANT MORTALITY FIGURES IN THE BIRTH REGISTRATION AREA, 1926¹

The Department of Commerce announces that birth rates for 1926 were lower than for 1925 in 26 of the 28 States for which figures for the two years are shown in the following summary. The highest 1926 birth rate (26.4 per 1,000 population) is shown for Florida and the lowest (14.2) is for Montana.

¹ Exclusive of Idaho, Massachusetts, Mississippi, North Carolina, Utah, and Vermont, from which complete transcripts for 1926 have not been received.

Death rates for 1926 were higher than for 1925 in 23 of the 28 States shown for both years. The highest 1926 death rate (15.3 per 1,000 population) is shown for Florida and the lowest (7.8) for Montana.

Infant mortality rates for 1926 were generally higher than those for 1925, as 21 of the 28 States show higher rates in 1926. For States the highest 1926 infant mortality rate (92.9) appears for Delaware and the lowest (51.6) for Oregon.

Infant mortality rates are shown for both years for 48 cities of 100,000 population or more in 1920. For 27 of these cities the 1926 infant mortality rates were higher than those of the preceding year, the highest 1926 rate (107.4) being for Richmond, Va., and the lowest (38.7) for Portland, Oreg.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
Total	1,597,903	961,752	116,333	20.1	21.1	12.1	11.7	72.8	71.5
STATES									
Arizona.....	8,394	5,554	1,003	18.9	(?)	12.5	(?)	119.5	(?)
California.....	82,443	58,769	5,187	19.1	20.4	13.6	13.6	62.9	68.7
Connecticut.....	28,077	18,319	2,101	18.1	18.9	11.4	11.2	72.3	73.3
Delaware.....	4,199	3,435	390	17.5	19.6	14.3	13.1	92.9	90.5
Florida.....	34,798	20,090	2,609	26.4	23.3	15.3	13.3	75.0	74.2
Illinois.....	133,942	85,329	9,295	18.6	19.1	11.8	11.5	69.4	72.5
Indiana.....	62,788	40,015	4,542	20.1	20.8	12.8	12.5	72.3	67.9
Iowa.....	44,477	25,194	2,644	18.4	19.7	10.4	10.0	59.4	56.0
Kansas.....	35,137	19,100	2,293	19.3	20.3	10.5	10.2	65.3	61.7
Kentucky.....	59,986	29,821	4,568	23.8	25.3	11.8	11.3	76.2	70.5
Maine.....	16,390	11,355	1,314	20.7	22.2	14.4	13.7	80.2	76.3
Maryland.....	32,839	22,653	2,853	20.8	21.7	14.3	13.9	86.9	90.0
Michigan.....	98,782	54,083	7,625	22.5	23.2	12.3	11.5	77.2	75.3
Minnesota.....	52,451	25,769	3,011	19.8	20.6	9.7	9.7	57.4	60.3
Montana.....	9,845	5,391	757	14.2	15.2	7.8	7.7	76.9	70.9
Nebraska.....	27,825	12,450	1,608	20.1	21.3	9.0	9.1	57.8	57.7
New Hampshire.....	8,721	6,660	678	19.2	20.8	14.7	14.5	77.7	76.2
New Jersey.....	72,402	44,878	5,075	19.7	20.6	12.2	11.7	70.1	68.9
New York.....	222,882	151,346	15,662	19.7	20.6	13.4	12.8	70.3	67.6
North Dakota.....	14,522	5,222	1,003	22.6	22.6	8.1	7.9	69.1	71.6
Ohio.....	123,688	78,692	9,419	18.7	19.6	11.9	11.4	76.2	69.6
Oregon.....	14,754	9,810	762	16.8	17.9	11.2	11.2	51.6	51.1
Pennsylvania.....	207,689	120,538	17,134	21.6	22.7	12.5	12.2	82.5	82.0
Rhode Island.....	13,592	8,791	1,112	19.6	21.2	12.7	12.1	81.8	72.8
Virginia.....	57,796	30,818	4,814	22.9	24.6	12.2	11.8	83.3	80.8
Washington.....	23,970	15,630	1,347	15.6	16.4	10.2	10.1	56.2	56.4
West Virginia.....	43,936	18,143	3,595	26.3	27.7	10.9	10.5	81.8	79.8
Wisconsin.....	55,666	30,161	3,844	19.3	20.1	10.5	10.3	69.1	67.2
Wyoming.....	4,388	1,902	333	18.6	21.1	8.1	8.3	75.9	63.9
REGISTRATION CITIES									
Arizona:									
Phoenix.....	1,417	1,216	129	33.7	(?)	28.9	(?)	91.0	(?)
Tucson.....	813	923	119	29.6	(?)	33.6	(?)	146.4	(?)

¹ Birth registration area exclusive of Arizona, Idaho, Massachusetts, Mississippi, North Carolina, Utah, and Vermont for both years. Arizona and Idaho were not in the registration area in 1925. The 1926 data for the remaining 5 States are incomplete.

² Not in the registration area in 1925.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—
Continued

Area	Number, 1926		Rate per 1,000 population				Deaths under 1 year per 1,000 births		
	Births	Deaths		Births		Deaths		1925	
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
California:									
Alameda.....	605	360	24	18.7	16.5	11.1	10.0	39.7	53.2
Bakersfield.....	660	310	55	25.8	30.0	12.1	16.6	87.9	86.5
Berkeley.....	863	671	32	12.7	13.5	9.9	9.5	37.1	49.2
Eureka.....	414	271	27	30.4	31.8	19.9	20.4	65.2	53.6
Fresno.....	1,116	512	65	18.5	21.1	8.5	9.1	58.2	69.6
Glendale.....	788	597	38	30.8	33.5	23.3	24.5	48.2	40.7
Long Beach.....	1,948	1,221	90	19.9	23.4	12.5	13.8	46.2	50.2
Los Angeles.....	18,100	12,204	1,080	(*)	(*)	(*)	(*)	59.7	66.6
Oakland.....	4,392	2,804	277	16.8	17.7	10.7	10.2	63.1	52.8
Pasadena.....	1,156	880	42	19.8	22.7	15.1	14.5	36.3	45.8
Pomona.....	333	247	22	21.2	22.9	15.7	14.2	66.1	51.1
Richmond.....	370	152	20	15.7	16.5	6.4	5.5	54.1	48.4
Riverside.....	622	454	41	(*)	(*)	(*)	(*)	65.9	92.2
Sacramento.....	1,955	1,373	113	26.6	28.2	18.7	19.3	57.8	76.4
San Bernardino.....	849	536	75	36.0	38.6	22.7	22.8	88.3	89.9
San Diego.....	2,361	1,848	108	21.5	23.2	16.8	16.7	45.7	54.9
San Francisco.....	8,345	7,662	415	14.7	15.5	13.5	13.3	49.7	55.5
San Jose.....	911	569	52	20.6	20.3	12.9	11.4	57.1	46.2
Santa Ana.....	555	281	19	26.9	30.0	13.6	13.9	34.2	59.8
Santa Barbara.....	550	335	42	22.2	23.0	13.5	14.1	76.4	76.2
Santa Cruz.....	240	235	13	22.0	22.0	21.5	18.1	54.2	41.7
Santa Monica.....	689	383	42	34.1	30.7	19.0	18.6	61.0	80.4
Stockton.....	885	614	55	18.2	19.0	12.7	12.3	62.1	71.0
Vallejo.....	249	185	10	9.0	8.8	6.7	6.5	40.2	63.8
Connecticut:									
Ansonia.....	228	170	26	11.8	14.9	8.8	8.2	114.0	95.1
Bridgeport.....	3,056	1,692	223	(*)	(*)	(*)	(*)	73.0	53.6
Bristol.....	675	262	55	26.6	24.0	10.3	8.9	81.5	82.5
Danbury town.....	524	400	35	23.5	23.5	17.9	16.4	66.8	91.4
Derby.....	412	176	31	32.4	33.8	13.9	15.1	75.2	80.6
East Hartford town.....	137	103	12	9.8	10.8	7.4	6.8	87.6	68.0
Enfield town.....	246	113	20	18.8	21.9	8.6	8.4	81.3	81.6
Fairfield town.....	134	120	14	8.9	12.3	7.9	6.6	104.5	55.9
Greenwich town.....	495	254	29	19.1	18.1	9.8	10.4	58.0	52.5
Hartford.....	4,136	2,129	301	25.2	24.7	13.0	12.8	72.8	71.9
Manchester town.....	391	166	13	18.2	21.5	7.7	10.1	33.2	66.5
Meriden.....	700	476	54	19.1	20.8	13.0	12.8	77.1	54.4
Middletown.....	574	530	35	24.8	25.2	22.9	24.0	61.6	57.1
Milford town.....	113	134	12	8.0	9.8	9.5	10.1	106.2	53.0
Naugatuck.....	120	92	10	7.2	8.0	5.5	5.9	83.3	45.8
New Britain.....	1,563	637	127	22.5	24.2	9.2	9.3	81.3	103.2
New Haven.....	3,706	2,212	199	20.4	21.3	12.2	12.1	53.7	66.0
New London.....	796	416	47	26.8	25.5	14.0	14.6	59.0	68.6
Norwalk.....	638	459	50	21.2	21.6	15.2	13.7	78.4	54.4
Norwich town.....	748	523	60	24.4	25.2	17.0	16.4	80.2	88.3
Orange town.....	369	272	21	18.3	19.9	13.5	13.7	56.9	46.0
Stamford town.....	1,116	625	73	23.4	24.2	13.1	12.5	65.4	73.0
Stonington town.....	128	138	8	11.6	14.5	12.5	10.1	62.5	31.8
Stratford town.....	172	131	15	10.2	13.0	7.8	7.4	87.2	42.9
Torrington town.....	484	240	33	18.3	18.8	9.1	7.6	68.2	65.4
Wallingford town.....	98	123	5	7.8	11.2	9.8	10.2	51.0	57.1
Waterbury.....	2,231	1,194	182	(*)	(*)	(*)	(*)	81.6	82.8
Windham town.....	297	185	19	20.3	22.2	12.7	13.7	64.0	74.5
Delaware:									
Wilmington.....	2,102	1,615	183	17.0	19.2	13.0	11.8	87.1	87.0
District of Columbia:									
Washington.....	8,918	7,388	758	16.9	17.7	14.0	13.6	85.0	87.4

* Includes Venice.

* Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—
Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Florida:									
Jacksonville.....	3, 168	2, 258	263	23.1	18.6	16.5	14.3	83.0	77.7
Key West.....	371	226	31	27.1	23.2	16.5	15.2	83.6	94.3
Miami.....	3, 381	1, 730	299	26.2	34.9	13.4	20.0	88.4	99.1
Pensacola.....	707	521	80	(*)	27.4	(*)	18.5	113.2	119.6
St. Petersburg.....	1, 036	679	56	21.4	29.6	14.0	24.3	54.1	81.9
Tampa.....	2, 776	1, 632	239	27.2	23.8	16.0	13.4	86.1	76.8
Illinois:									
Alton.....	728	397	60	26.8	24.4	14.6	14.6	82.4	91.6
Aurora.....	1, 091	594	62	26.7	25.4	14.5	13.1	56.8	71.2
Belleville.....	501	372	31	18.3	18.7	13.6	12.8	61.9	43.7
Berwyn.....	330	172	17	16.8	16.0	8.7	8.7	51.5	79.2
Bloomington.....	553	432	42	18.0	19.6	14.1	14.2	75.9	78.7
Blue Island.....	390	207	25	28.9	29.2	15.3	13.6	64.1	80.3
Cairo.....	251	297	29	16.1	14.4	19.0	19.3	115.5	129.5
Canton.....	216	195	18	19.6	21.5	17.7	17.3	83.3	105.9
Centralia.....	271	158	16	18.8	19.4	11.0	11.1	59.0	51.3
Champaign.....	407	217	23	22.0	22.5	11.7	13.0	56.5	92.9
Chicago.....	59, 988	35, 623	4, 006	19.7	19.9	11.7	11.5	66.8	74.8
Chicago Heights.....	384	238	44	17.0	17.4	10.5	10.5	114.6	117.2
Cicero.....	522	360	39	8.0	9.6	5.5	5.6	74.7	84.0
Danville.....	870	620	81	23.1	22.6	16.5	15.4	93.1	105.1
Decatur.....	1, 275	755	93	23.2	20.9	13.7	12.2	72.9	65.7
East St. Louis.....	1, 471	924	148	20.3	20.4	12.8	12.5	100.6	94.9
Elgin.....	619	758	45	18.2	19.2	22.3	21.4	72.7	48.8
Evanston.....	1, 724	623	89	38.2	34.8	13.8	13.0	51.6	43.2
Forest Park.....	71	135	4	5.2	7.0	9.9	6.8	56.3	32.6
Freeport.....	485	359	39	23.2	23.5	17.2	14.9	80.4	53.4
Galesburg.....	545	404	43	21.8	23.1	16.2	13.7	78.9	64.7
Granite City.....	595	257	54	32.0	30.7	13.8	12.3	90.8	109.1
Herrin.....	276	170	23	20.1	19.2	12.4	12.3	83.3	102.0
Jacksonville.....	353	635	23	22.1	21.2	39.7	32.1	65.2	68.2
Joliet.....	810	593	75	19.8	18.4	14.5	13.0	92.6	95.0
Kankakee.....	447	294	37	23.8	25.1	15.6	13.4	82.8	83.9
Kewanee.....	381	237	36	19.0	19.2	11.8	10.1	94.5	71.2
La Salle.....	301	184	27	20.6	22.3	12.6	11.6	89.7	96.8
Lincoln.....	219	255	26	17.5	19.2	20.4	21.5	118.7	79.8
Mattoon.....	334	211	22	22.3	22.4	14.1	13.5	65.9	81.8
Maywood.....	159	139	14	10.9	10.7	9.5	8.6	88.1	85.5
Moline.....	662	359	40	19.2	19.0	10.4	10.2	60.4	42.0
Murphysboro.....	169	150	21	13.1	15.9	11.6	23.6	124.3	105.5
Oak Park.....	2, 531	824	89	47.3	44.4	15.4	14.8	35.2	35.1
Ottawa.....	305	204	14	25.8	24.4	17.3	14.0	45.9	74.7
Pekin.....	281	151	20	20.7	24.1	11.1	11.6	71.2	71.9
Peoria.....	1, 503	1, 108	93	18.2	18.6	13.4	13.8	61.9	72.5
Quincy.....	767	605	55	19.3	20.5	15.5	15.0	72.7	91.5
Rock Island.....	410	404	20	10.0	10.0	9.9	8.1	48.8	75.2
Rockford.....	1, 664	835	101	21.2	20.6	10.7	8.9	60.7	52.9
Springfield.....	1, 317	1, 094	99	20.4	21.8	16.9	17.5	75.2	85.4
Streator.....	415	224	25	27.5	26.4	14.8	15.0	60.2	82.7
Urbana.....	165	133	13	14.3	18.3	11.6	13.0	78.8	77.3
Waukegan.....	465	278	43	20.9	18.8	12.5	9.7	92.5	63.0
Indiana:									
Anderson.....	740	434	56	21.4	21.4	12.5	11.9	75.7	64.6
Bloomington.....	403	215	38	31.5	34.5	16.8	16.7	94.3	103.4
Clinton.....	154	107	19	10.9	13.9	7.6	10.7	123.4	121.7
Crawfordsville.....	179	167	9	16.9	17.8	15.8	13.0	50.3	69.5
East Chicago.....	1, 128	456	135	23.8	23.5	9.6	9.0	119.7	112.8

* Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926		Rate per 1,000 population				Deaths under 1 year per 1,000 births		
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Indiana—Continued.									
Elkhart.....	644	359	37	23.3	22.3	13.0	12.7	57.5	67.9
Elwood.....	262	138	22	24.3	26.1	12.8	12.6	84.0	59.9
Evansville.....	1,675	1,259	117	17.6	17.5	13.2	12.4	69.9	67.1
Fort Wayne.....	2,278	1,251	122	22.8	24.3	12.5	11.8	53.6	63.8
Frankfort.....	225	161	19	16.9	18.5	12.1	14.1	84.4	82.6
Gary.....	2,167	1,068	212	26.6	26.0	13.2	13.4	97.8	95.1
Hammond.....	1,356	598	103	25.9	25.3	11.4	10.1	76.0	76.1
Huntington.....	299	168	20	17.2	21.7	10.3	11.6	71.4	92.8
Indianapolis.....	6,960	5,145	526	18.7	19.2	14.0	13.8	74.7	69.5
Jeffersonville.....	249	181	24	24.7	25.9	17.9	17.8	96.4	80.2
Kokomo.....	751	398	62	19.6	20.9	10.5	10.4	82.6	75.0
Lafayette.....	667	544	58	27.8	28.6	22.7	19.3	87.0	73.4
La Porte.....	451	225	32	25.1	23.0	12.5	13.3	71.0	67.0
Logansport.....	340	274	14	14.5	17.2	11.7	11.3	41.2	65.5
Marion.....	466	336	35	17.5	19.7	12.6	12.2	76.1	67.4
Michigan City.....	535	296	40	26.4	27.3	14.6	14.4	74.8	70.3
Mishawaka.....	765	288	58	45.3	45.1	17.0	15.7	75.8	79.7
Muncie.....	814	515	53	18.7	19.3	11.8	11.1	65.1	70.8
New Albany.....	527	368	51	22.9	23.7	16.0	14.0	96.8	45.9
New Castle.....	383	203	43	22.0	20.5	11.7	10.6	112.3	68.8
Peru.....	238	188	22	18.7	20.4	14.8	12.2	92.4	84.9
Richmond.....	469	358	40	15.1	14.6	11.5	10.9	85.3	74.2
South Bend.....	2,210	992	157	27.1	29.2	12.1	12.1	71.0	62.0
Terre Haute.....	1,133	922	69	16.8	17.9	12.8	14.5	60.9	102.2
Vincennes.....	381	280	38	20.6	24.3	15.1	16.4	99.7	94.4
Whiting.....	231	75	26	18.5	17.3	6.0	6.6	112.6	128.0
Iowa:									
Boone.....	234	162	20	18.1	19.0	12.6	11.5	85.5	53.5
Burlington.....	566	387	36	21.0	20.2	14.3	14.7	63.4	65.7
Cedar Rapids.....	875	550	49	16.8	18.2	10.6	10.7	56.0	69.9
Clinton.....	397	367	23	14.6	16.5	13.5	15.2	57.9	87.4
Council Bluffs.....	904	521	64	22.1	25.3	12.7	13.3	76.8	84.4
Davenport.....	918	742	52	(¹)	18.2	(¹)	13.3	56.6	53.5
Des Moines.....	2,919	1,710	202	26.0	22.1	11.7	10.7	69.2	60.0
Dubuque.....	806	616	57	19.4	22.1	14.8	15.1	70.7	76.2
Fort Dodge.....	501	280	46	22.4	21.1	12.5	12.6	91.8	76.6
Fort Madison.....	275	182	22	24.5	23.4	16.2	15.4	80.0	133.1
Iowa City.....	467	431	44	28.3	30.5	26.1	30.0	94.2	94.4
Keokuk.....	349	262	20	24.1	23.9	18.1	18.8	57.3	57.6
Marshalltown.....	306	299	41	17.8	23.3	17.4	18.4	134.0	81.4
Mason City.....	507	277	35	21.6	23.7	11.8	10.2	60.9	59.6
Muscatine.....	322	232	19	18.9	18.9	13.6	14.0	59.0	50.3
Ottumwa.....	564	375	47	20.6	22.5	13.7	13.3	58.3	65.8
Sioux City.....	1,701	969	141	21.8	23.4	12.4	11.8	82.9	88.9
Waterloo.....	742	436	51	20.1	20.3	11.6	10.2	68.7	49.6
Kansas:									
Arkansas City.....	297	186	21	20.2	27.3	12.7	13.2	70.7	60.4
Atchison.....	270	187	20	17.3	18.3	12.0	13.6	74.1	62.3
Chanute.....	218	162	21	22.2	20.2	16.5	14.0	96.3	44.1
Coffeyville.....	325	169	22	19.2	21.9	10.0	10.4	67.7	93.0
Eldorado.....	220	132	22	23.2	25.5	13.9	11.6	100.0	62.0
Emporia.....	351	199	20	28.1	24.7	15.9	17.6	57.6	72.6
Fort Scott.....	228	226	22	18.9	22.3	18.8	18.1	97.3	53.4
Hutchinson.....	495	268	30	18.5	19.2	10.0	11.3	60.6	58.2
Independence.....	222	155	15	20.5	20.1	14.2	12.0	67.3	59.4
Kansas City.....	2,476	1,560	209	21.2	23.1	13.6	14.3	84.4	47.5
Lawrence.....	269	184	12	21.1	19.0	14.9	14.9	46.2	38.3
Leavenworth.....	272	245	20	12.4	14.4	11.2	12.7	73.5	116.7
Parsons.....	228	242	23	15.4	19.5	16.2	14.9	100.4	55.2
Pittsburg.....	361	139	22	18.5	18.4	7.1	9.1	69.9	59.7
Salina.....	383	195	26	23.2	22.7	11.8	12.7	67.9	76.3
Topeka.....	1,253	809	82	22.2	23.1	14.3	14.4	65.4	68.8
Wichita.....	1,914	1,156	164	20.7	23.8	12.5	12.4	80.5	66.7

¹ Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—
Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926 1925	
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Kentucky:									
Ashland.....	814	337	76	32.3	35.9	13.4	15.4	93.4	90.1
Covington.....	1,473	973	120	25.2	25.8	16.6	15.7	81.5	65.8
Henderson.....	297	235	35	23.6	20.6	18.7	17.2	117.8	115.8
Lexington.....	898	960	98	18.9	21.3	20.2	20.9	98.0	79.9
Louisville.....	6,227	4,733	586	20.0	20.2	15.2	14.3	94.1	80.9
Newport.....	495	317	44	16.9	19.1	10.8	11.4	88.9	94.6
Owensboro.....	509	366	41	22.9	24.8	16.5	15.6	80.6	98.9
Paducah.....	599	491	57	23.0	20.1	18.8	18.3	95.2	142.0
Maine:									
Auburn.....	253	200	25	13.8	15.3	10.9	11.7	98.8	86.6
Augusta.....	280	340	27	19.0	21.8	23.1	20.8	96.4	81.5
Bangor.....	598	558	43	22.3	21.7	20.8	18.6	71.9	71.7
Bath.....	148	166	11	()	()	()	()	74.3	107.8
Biddeford.....	537	277	49	28.9	32.0	14.9	15.2	91.2	76.0
Lewiston.....	921	619	108	25.9	27.9	17.4	17.3	117.3	121.0
Portland.....	1,404	1,154	106	18.4	21.6	15.1	14.8	75.5	64.5
Sanford town.....	422	168	36	35.8	34.7	14.2	11.2	85.3	54.6
Waterville.....	405	213	25	27.7	29.9	14.6	12.8	61.7	53.4
Maryland:									
Annapolis.....	244	172	18	18.6	19.8	13.1	11.4	73.8	75.1
Baltimore.....	16,461	12,210	1,359	20.4	21.5	15.1	14.6	82.6	81.5
Cumberland.....	949	511	86	27.6	27.9	14.9	15.1	90.6	83.5
Frederick.....	365	254	27	30.2	28.7	21.0	21.5	74.0	81.4
Hagerstown.....	703	446	69	22.0	21.0	13.9	11.5	98.2	89.7
Michigan:									
Adrian.....	305	232	26	24.2	23.6	18.4	16.1	85.2	78.0
Alpena.....	324	176	27	29.2	26.5	15.9	15.5	83.3	78.2
Ann Arbor.....	736	953	72	32.4	32.4	42.0	31.9	97.8	105.7
Battle Creek.....	972	624	80	22.3	20.8	14.3	13.9	82.3	94.3
Bay City.....	1,078	630	76	21.9	21.8	12.8	12.9	70.5	66.7
Benton Harbor.....	371	214	10	25.9	26.7	15.0	15.2	27.0	77.5
Detroit.....	34,115	16,225	2,875	26.4	25.7	12.6	11.0	84.3	80.1
Escanaba.....	427	226	27	32.6	34.6	17.2	16.3	63.2	63.9
Flint.....	3,312	1,295	280	24.4	23.7	9.5	7.7	84.5	74.4
Grand Rapids.....	3,534	1,773	235	22.7	23.6	11.4	11.5	56.5	68.5
Hamtramck.....	1,097	418	130	12.5	17.5	4.8	4.3	118.5	74.1
Highland Park.....	1,708	625	96	22.2	22.1	8.1	7.7	56.2	51.9
Holland.....	285	129	19	21.4	24.7	9.7	8.5	66.7	52.6
Ironwood.....	316	143	34	17.9	21.3	8.1	8.7	107.6	64.7
Ishpeming.....	227	151	22	21.6	20.6	14.4	12.5	96.9	60.2
Jackson.....	1,221	753	99	20.5	18.9	12.6	12.5	81.1	86.4
Kalamazoo.....	1,277	978	95	23.4	23.6	17.9	17.6	74.4	72.8
Lansing.....	1,617	767	111	22.1	23.2	10.5	10.5	68.6	81.5
Marquette.....	359	201	28	26.6	28.5	14.9	14.0	78.0	82.9
Monroe.....	395	187	40	26.9	26.3	12.7	10.6	101.0	77.5
Muskegon.....	1,146	582	91	25.9	26.4	13.1	11.8	79.4	91.5
Owosso.....	318	226	29	21.9	25.8	15.6	15.4	91.2	78.3
Pontiac.....	1,175	610	86	23.6	22.3	12.2	14.1	73.2	76.3
Port Huron.....	731	451	59	23.8	24.2	14.7	13.3	80.7	101.8
Saginaw.....	1,603	1,083	150	21.9	21.7	14.8	12.8	93.6	81.7
Sault Ste. Marie.....	312	178	25	25.8	24.5	14.7	14.5	80.1	114.9
Traverse City.....	187	330	12	17.1	21.1	30.2	30.4	64.2	64.9
Wyandotte.....	711	302	62	28.1	27.8	11.9	12.3	87.2	91.0
Minnesota:									
Austin.....	285	121	16	23.4	26.6	9.9	9.5	56.1	57.0
Duluth.....	2,413	1,195	142	21.4	20.2	10.6	10.0	58.8	66.4
Faribault.....	305	210	9	24.4	26.7	16.8	18.0	29.5	45.7
Hibbing.....	433	137	38	23.5	26.8	7.4	9.8	76.4	57.8
Mankato.....	488	202	21	32.2	31.2	14.5	16.3	48.9	70.1

† Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Minnesota—Continued.									
Minneapolis.....	9,195	5,002	518	21.2	22.2	11.5	11.6	56.3	60.5
Rochester.....	447	900	30	25.3	24.8	50.8	50.8	67.1	61.3
St. Cloud.....	624	222	48	32.2	31.1	11.4	13.4	76.9	92.3
St. Paul.....	5,683	3,053	318	22.9	24.1	12.3	12.7	56.0	58.0
Virginia.....	303	130	17	18.5	17.9	7.9	7.6	56.1	80.1
Winona.....	422	255	16	21.6	22.2	13.1	10.7	37.9	32.4
Montana:									
Anaconda.....	239	149	20	18.8	20.1	11.7	11.2	83.7	89.8
Billings.....	362	198	37	19.6	24.8	10.7	11.7	102.2	91.7
Butte.....	668	673	57	15.5	15.4	15.6	13.9	85.3	89.1
Great Falls.....	672	302	49	21.7	23.0	9.8	9.3	72.9	58.1
Helena.....	272	179	10	22.6	17.1	14.9	13.6	36.8	87.4
Missoula.....	334	248	23	26.4	30.3	19.6	16.9	68.9	52.1
Nebraska:									
Grand Island.....	382	232	36	24.0	24.0	14.6	14.5	94.2	96.3
Hastings.....	353	216	37	26.7	25.9	16.4	14.0	104.8	74.2
Lincoln.....	1,287	800	83	20.8	21.7	12.9	12.9	64.5	64.4
North Platte.....	238	117	14	16.6	16.1	8.2	8.7	58.8	90.5
Omaha.....	4,572	2,778	288	21.2	23.2	12.9	13.3	63.0	67.3
New Hampshire:									
Berlin.....	540	171	42	28.4	27.8	9.0	9.3	77.8	87.0
Concord.....	432	557	28	19.1	20.6	24.6	21.7	64.8	60.5
Dover.....	268	230	18	20.6	21.8	17.7	17.8	67.2	63.4
Keene.....	275	200	20	22.9	27.4	16.7	17.3	72.7	61.3
Laconia.....	271	171	24	23.8	24.4	15.0	20.3	88.6	119.6
Manchester.....	1,666	956	151	19.8	22.1	11.4	11.1	90.6	100.1
Nashua.....	785	385	52	26.2	26.6	12.8	14.0	66.2	86.0
Portsmouth.....	255	192	27	16.9	22.1	12.7	13.1	105.9	76.0
New Jersey:									
Asbury Park.....	186	178	22	13.4	16.6	12.8	10.5	118.3	52.9
Atlantic City.....	1,292	1,225	101	24.0	23.1	22.8	20.2	78.2	75.5
Bayonne.....	1,922	732	142	21.1	24.3	8.0	8.0	73.9	68.2
Belleville.....	354	223	30	18.2	18.3	11.4	12.3	84.7	80.9
Bloomfield.....	276	211	24	10.3	10.2	7.9	7.2	87.0	41.4
Bridgeton.....	378	279	26	26.3	23.6	19.4	16.5	68.8	82.4
Camden.....	3,046	1,768	264	23.3	24.1	13.5	13.8	86.7	87.2
Cartaret.....	243	95	21	16.1	20.4	6.3	5.4	86.4	77.2
Clifton.....	568	224	34	15.7	15.8	6.2	6.1	89.9	51.0
East Orange.....	301	451	19	4.9	4.7	7.3	7.6	63.1	67.4
Elizabeth.....	2,531	1,308	197	(¹)	(¹)	(¹)	(¹)	77.8	59.6
Englewood.....	681	278	37	49.3	47.6	21.7	21.7	58.6	60.7
Garfield.....	589	160	39	23.1	26.9	6.3	5.7	66.2	66.5
Glocester.....	210	128	18	14.3	17.1	8.7	8.7	85.7	102.6
Hackensack.....	835	417	43	41.5	48.2	20.7	21.3	51.5	61.1
Harrison.....	289	132	30	17.5	18.4	8.0	8.8	103.8	82.8
Hoboken.....	1,250	898	89	(¹)	19.5	(¹)	13.3	71.2	63.3
Irlington.....	613	371	33	17.7	18.0	10.7	9.9	53.8	71.9
Jersey City.....	6,926	3,802	463	21.8	21.9	12.0	11.7	66.8	68.2
Kearny.....	560	301	31	17.4	17.1	9.4	9.1	55.4	63.7
Long Branch.....	636	462	47	46.4	44.9	33.7	34.6	73.9	85.1
Millville.....	300	195	26	18.5	18.9	12.0	11.4	86.7	82.5
Montclair.....	324	302	23	9.6	11.0	9.0	8.8	71.0	88.2
Morristown.....	592	375	43	47.0	45.4	29.8	28.6	72.6	90.9
New Brunswick.....	1,022	572	67	26.3	25.8	14.7	13.0	65.6	61.3
Newark.....	10,473	5,464	736	22.8	24.0	11.9	11.7	70.3	67.6
Orange.....	1,760	631	88	49.2	50.3	17.6	17.5	50.0	50.0
Passaic.....	1,600	725	89	22.9	25.6	10.4	10.5	56.6	66.3
Paterson.....	2,905	1,830	187	20.3	21.7	12.8	12.0	64.4	63.1
Perth Amboy.....	985	486	83	20.5	23.0	10.1	10.3	84.3	98.7

¹ Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
New Jersey—Continued.									
Phillipsburg.....	353	247	29	18.9	21.6	13.1	11.0	81.0	69.8
Plainfield.....	968	467	57	20.5	29.0	14.4	13.5	59.5	64.2
Rahway.....	251	174	15	20.6	24.2	14.3	13.5	59.8	55.0
Summit.....	324	192	16	27.0	27.4	16.0	14.4	49.4	50.0
Tronton.....	2, 042	1, 890	228	22.0	23.3	14.1	14.2	77.5	79.8
Union City ⁴	1, 035	468	44	16.3	17.1	7.4	6.6	42.5	37.9
West New York.....	628	223	28	15.4	17.3	5.5	5.7	44.6	51.6
West Orange.....	161	114	15	8.7	8.4	6.1	7.0	93.2	45.8
New York:									
Albany.....	2, 501	1, 989	152	21.0	21.4	16.7	15.7	60.8	75.5
Amsterdam.....	713	437	57	20.0	23.6	12.3	11.1	79.9	70.9
Auburn.....	640	525	46	(*)	21.7	(*)	14.4	71.9	73.6
Batavia.....	514	317	33	32.1	30.4	19.8	17.1	64.2	63.2
Beacon.....	173	203	8	14.7	13.7	17.2	13.6	46.2	44.0
Binghamton.....	1, 468	1, 225	108	20.1	21.0	16.8	14.7	73.6	71.4
Buffalo.....	12, 371	7, 779	1, 037	22.7	23.2	14.3	13.8	83.8	86.3
Cohoes.....	459	319	42	19.6	20.4	13.6	12.5	91.5	79.8
Corning.....	345	246	27	22.0	24.9	15.6	11.8	78.0	45.9
Cortland.....	341	259	20	24.4	26.3	18.5	19.5	58.7	65.8
Dunkirk.....	443	238	32	22.2	21.3	11.9	11.1	72.2	63.5
Elmira.....	1, 014	810	106	20.7	21.9	16.5	15.2	104.5	83.2
Fulton.....	296	170	28	23.5	26.6	13.5	14.1	94.6	56.7
Geneva.....	349	226	23	21.5	25.2	14.0	13.1	65.9	74.8
Glens Falls.....	407	350	25	22.5	21.6	19.3	17.5	61.4	80.5
Gloversville.....	387	407	27	17.5	16.7	18.4	16.8	69.8	64.9
Herkimer.....	249	132	12	22.6	23.3	12.0	12.0	48.2	63.0
Hornell.....	296	218	24	18.6	18.8	13.7	12.8	81.1	54.1
Hudson.....	400	281	32	33.9	34.6	23.8	24.5	80.0	100.7
Ilion.....	104	129	7	15.6	15.5	12.3	11.6	42.7	74.1
Ithaca.....	428	355	34	22.2	21.2	18.4	15.6	79.4	72.3
Jamestown.....	911	574	50	20.6	23.3	13.0	12.1	54.9	64.3
Johnstown.....	116	153	11	10.8	12.0	14.3	10.5	94.8	62.0
Kingston.....	558	526	41	19.6	20.9	18.5	19.5	73.5	83.3
Lackawanna.....	929	373	105	44.9	45.9	18.0	17.1	113.0	119.6
Little Falls.....	223	157	15	17.9	20.1	12.6	13.6	67.3	72.0
Lockport.....	487	305	28	22.4	21.6	14.1	15.1	57.5	81.0
Middletown.....	353	436	24	17.0	16.2	21.0	20.0	68.0	69.7
Mount Vernon.....	1, 055	546	53	20.3	20.4	10.5	9.0	50.2	41.7
New Rochelle.....	859	465	60	18.8	19.7	10.2	8.6	69.8	46.0
New York.....	124, 820	76, 053	8, 417	21.1	21.8	12.8	12.2	67.4	64.8
Newburgh.....	659	502	40	21.7	20.9	16.5	16.5	60.7	69.2
Niagara Falls.....	1, 562	688	145	26.8	27.7	11.8	12.0	92.8	84.9
North Tonawanda.....	423	211	35	22.7	23.7	11.9	11.0	87.1	70.6
Ogdensburg.....	406	506	45	23.2	25.1	28.9	25.3	110.8	109.8
Olean.....	596	333	44	27.9	25.5	15.6	13.1	73.8	80.9
Oneida.....	253	181	11	23.6	21.8	16.9	15.3	43.5	69.7
Onconta.....	253	184	17	20.7	22.1	15.1	15.6	67.2	82.7
Ossining.....	271	188	14	20.5	22.3	14.2	14.2	51.7	45.6
Oswego.....	430	329	38	19.2	20.7	11.7	12.7	88.4	67.1
Peekskill.....	313	214	23	17.0	16.7	11.6	11.9	73.5	46.5
Plattsburg.....	321	256	28	27.4	29.2	21.9	19.9	87.2	100.9
Port Chester.....	685	265	32	34.6	30.1	13.4	10.1	46.7	51.7
Port Jervis.....	517	182	17	20.5	20.2	17.2	14.4	78.3	89.6
Poughkeepsie.....	723	605	75	20.2	18.9	16.9	14.0	103.7	71.3

⁴ Population not estimated.

⁵ Union and West Hoboken consolidated as Union City, June, 1924.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
New York—Continued.									
Rensselaer.....	91	118	12	7.9	7.8	10.3	8.6	131.9	67.4
Rochester.....	6,160	4,109	415	19.2	20.8	12.8	12.1	67.4	64.4
Rome.....	684	550	64	22.0	22.7	17.7	15.9	93.6	84.2
Saratoga Springs.....	303	298	19	21.6	21.0	21.3	21.7	62.7	61.6
Schenectady.....	1,735	1,067	124	18.7	19.6	11.7	11.4	71.5	68.2
Syracuse.....	3,996	2,513	277	21.6	22.6	13.6	12.6	69.3	68.0
Tonawanda.....	213	110	16	18.5	22.1	9.6	8.9	75.1	104.4
Troy.....	1,416	1,304	112	19.6	20.6	18.0	18.7	79.1	98.3
Utica.....	2,237	1,680	182	21.7	22.5	16.3	14.9	81.4	75.1
Watertown.....	774	551	68	23.4	26.0	16.6	16.4	87.9	78.4
Watervliet.....	178	173	16	11.0	13.2	10.7	11.4	89.9	84.5
White Plains.....	706	325	35	24.6	21.3	11.3	11.4	49.6	51.3
Yonkers.....	2,266	1,215	170	19.5	20.4	10.5	10.1	75.0	68.6
North Dakota:									
Fargo.....	856	338	71	33.4	32.7	13.2	12.2	82.9	41.7
Grand Forks.....	494	202	24	32.1	32.9	13.1	10.0	48.6	34.1
Minot.....	356	244	22	28.0	24.4	19.2	17.6	61.8	93.6
Ohio:									
Akron.....	4,793	2,060	392	(¹)	(¹)	(¹)	(¹)	81.8	64.1
Alliance.....	461	298	27	18.0	17.6	11.6	11.2	58.6	68.2
Ashtabula.....	525	333	40	20.6	23.6	13.1	11.9	76.2	54.1
Barberton.....	573	233	40	23.8	24.1	9.7	8.8	69.8	85.4
Bellaire.....	323	181	19	19.6	21.7	11.0	10.7	58.8	59.3
Bucyrus.....	174	129	16	14.5	17.5	10.8	12.7	92.0	43.9
Cambridge.....	315	204	21	22.2	21.1	14.4	15.1	66.7	70.9
Campbell ²	402	108	38	24.2	26.4	6.5	7.2	94.5	134.8
Canton.....	2,167	1,142	197	19.7	22.4	10.4	10.5	90.9	75.8
Chillicothe.....	372	262	20	22.1	26.1	15.6	14.2	53.8	64.5
Cincinnati.....	8,616	7,103	764	21.0	20.5	17.3	16.0	88.7	77.3
Cleveland.....	19,476	10,641	1,398	20.3	21.4	11.1	10.4	71.8	66.0
Cleveland Heights.....	69	235	5	2.5	2.2	10.0	9.3	84.7	142.9
Columbus.....	5,610	3,967	423	19.7	19.9	13.9	13.9	75.4	80.0
Coshocton.....	218	176	16	18.6	23.0	15.0	12.2	73.4	41.2
Cuyahoga Falls.....	262	108	12	18.3	17.8	7.6	8.0	45.8	32.8
Dayton.....	3,156	2,160	264	17.8	18.3	12.2	11.3	83.7	57.1
East Cleveland.....	111	248	6	2.8	3.1	6.3	5.6	54.1	51.7
East Liverpool.....	607	377	57	27.5	26.5	17.1	16.8	93.9	72.2
Elyria.....	505	293	29	20.7	23.3	12.0	11.4	57.4	57.8
Findlay.....	420	287	31	22.7	22.5	15.5	14.7	73.8	56.2
Fremont.....	200	152	17	14.1	15.6	10.7	8.7	85.0	50.7
Hamilton.....	1,245	597	89	29.1	28.3	13.9	13.6	71.5	74.0
Ironton.....	362	269	48	22.9	27.5	17.0	15.7	132.6	80.2
Kennmore.....	369	89	23	18.0	20.1	4.3	5.4	62.3	61.7
Lakewood.....	643	469	31	10.8	11.8	7.9	7.6	48.2	46.1
Lancaster.....	325	202	25	19.7	21.9	12.2	12.9	76.9	94.3
Lima.....	996	533	50	20.9	23.0	11.2	12.5	50.2	69.8
Lorain.....	1,060	432	89	24.6	23.3	10.0	9.9	84.0	74.1
Mansfield.....	616	439	40	19.0	19.6	13.5	12.3	64.9	77.2
Marietta.....	289	227	26	18.9	19.4	14.8	12.7	90.0	74.1
Marion.....	606	384	53	18.1	19.3	11.5	10.2	87.5	55.9
Martins Ferry.....	336	207	23	21.3	23.7	13.1	13.9	68.5	81.5
Massillon.....	578	262	36	21.6	24.2	9.8	12.5	62.3	47.1
Middletown.....	866	339	65	27.1	27.4	10.6	9.3	75.1	62.9
New Philadelphia.....	243	139	23	20.3	25.1	11.4	8.3	92.7	53.2
Newark.....	539	383	39	17.6	18.6	12.5	12.4	72.4	56.3
Niles.....	280	122	30	14.4	15.8	7.1	6.4	107.1	91.6
Norwood.....	177	233	10	5.7	6.9	7.6	6.0	56.5	43.9
Pique.....	310	272	27	19.1	18.7	16.8	14.3	87.1	80.3

¹ Population not estimated.

² Name changed from East Youngstown, April, 1926.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Ohio—Continued.									
Portsmouth.....	1, 115	608	112	26.0	26.8	15.3	13.5	100.4	97.5
Salem.....	264	190	17	23.6	25.6	17.0	15.9	64.4	49.3
Sandusky.....	490	336	27	19.7	20.0	13.5	13.0	55.2	59.3
Springfield.....	1, 181	881	97	16.8	18.9	12.5	13.0	82.1	76.9
Stenboville.....	701	504	81	21.5	23.5	15.5	14.4	115.5	113.2
Tiffin.....	320	231	18	20.9	20.4	14.6	14.3	54.5	47.2
Toledo.....	5, 472	3, 732	448	18.6	18.9	12.7	12.2	81.9	80.9
Warren.....	906	499	81	26.8	25.5	13.8	13.3	83.9	82.5
Youngstown.....	3, 902	1, 772	332	23.6	35.8	10.7	10.7	85.1	73.6
Zanesville.....	822	582	63	26.9	25.7	19.0	16.8	76.6	74.3
Oregon:									
Astoria.....	207	147	9	12.2	15.0	8.6	8.4	43.5	72.9
Eugene.....	518	277	21	45.0	39.6	24.1	24.0	40.5	50.9
Portland.....	4, 850	3, 376	188	(*)	(*)	(*)	(*)	38.7	46.1
Salem.....	460	599	18	22.9	20.1	29.8	33.7	39.1	55.6
Pennsylvania:									
Allentown.....	1, 847	1, 428	162	19.5	20.7	15.1	13.9	87.7	92.1
Altoona.....	1, 700	880	127	25.4	25.6	13.1	12.3	74.7	83.8
Ambridge.....	408	141	46	22.9	24.5	7.9	6.5	112.7	67.1
Beaver Falls.....	348	223	23	26.4	26.4	16.9	16.3	66.1	115.6
Berwick.....	266	157	24	20.7	20.8	11.0	9.2	81.1	54.1
Bathlehem.....	1, 102	537	97	17.1	19.4	8.3	6.7	88.0	76.4
Bradford.....	616	330	61	28.1	33.8	15.1	14.9	90.0	92.8
Bradford.....	406	241	20	25.8	27.5	15.3	16.0	42.0	73.2
Bristol.....	344	123	15	26.5	26.3	9.5	10.4	43.6	83.1
Butor.....	471	188	26	18.5	20.8	7.4	12.3	55.2	91.4
Canonsburg.....	323	126	27	23.1	24.2	9.0	8.4	83.6	67.3
Carbondale.....	565	313	53	28.7	28.3	15.9	16.4	93.3	116.2
Carlisle.....	260	198	22	22.6	26.0	17.2	15.7	84.6	54.1
Carnegie.....	260	115	27	23.2	21.6	9.2	6.9	93.1	59.7
Carrick.....	235	90	16	17.5	16.1	6.7	7.8	68.1	71.8
Chambersburg.....	203	223	24	20.8	21.5	15.8	15.3	81.9	66.9
Charleroi.....	243	94	23	19.0	23.0	7.3	6.9	94.7	62.1
Chester.....	1, 271	810	127	18.1	18.8	11.5	10.9	90.9	104.9
Coatesville.....	230	129	17	14.2	15.4	7.7	8.0	71.1	86.6
Columbia.....	248	159	10	22.9	25.4	14.7	14.7	40.3	80.0
Connellsville.....	263	170	25	19.7	22.2	11.8	11.1	88.3	75.5
Dickson City.....	267	93	24	24.3	26.2	7.6	8.8	80.8	98.7
Donora.....	390	76	31	22.2	23.4	4.3	7.1	79.5	95.5
Du Bois.....	274	162	24	19.0	22.4	11.3	12.2	87.6	87.2
Dunmore.....	418	271	62	19.0	21.2	12.3	11.9	148.3	135.1
Duquesne.....	556	184	58	26.2	26.1	8.7	7.6	164.3	82.6
Easton.....	775	645	66	26.7	23.1	17.2	17.4	85.2	81.1
Erie.....	2, 453	1, 509	218	(*)	(*)	(*)	(*)	88.9	64.8
Farristown.....	261	131	35	18.8	22.1	6.8	6.3	97.0	70.0
Greensburg.....	449	280	26	27.7	27.3	17.3	16.3	57.9	68.3
Harrisburg.....	1, 532	1, 366	133	18.1	19.3	16.1	14.1	86.3	82.1
Heaton.....	965	454	67	26.2	28.4	12.3	13.5	69.4	90.6
Homestead.....	575	235	53	26.6	26.2	10.9	11.0	92.2	89.3
Jeannette.....	363	128	26	22.8	32.4	8.1	10.2	71.6	81.6
Johnstown.....	2, 245	1, 035	184	26.7	30.5	14.3	14.3	82.1	87.6
Lancaster.....	1, 457	1, 006	93	25.5	26.1	17.6	17.0	63.8	88.8
Lebanon.....	562	394	34	22.2	23.4	15.6	14.0	86.5	61.1
McKeesport.....	1, 204	722	113	26.1	27.1	14.6	14.1	87.3	81.2
McKees Rocks.....	406	136	39	22.2	25.6	7.4	7.6	96.1	69.0
Mahanoy City.....	328	166	39	21.0	22.9	10.6	13.1	118.9	126.1

* Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Pennsylvania—Continued.									
Meadville.....	363	289	20	23.0	25.0	18.9	17.3	79.9	82.1
Monessen.....	573	134	34	26.3	26.4	6.1	5.8	59.3	71.4
Mount Carmel.....	476	183	44	27.2	28.9	10.5	10.3	92.4	87.1
Nanticoke.....	683	351	47	27.2	30.0	14.0	14.8	68.8	108.0
New Castle.....	1,290	616	94	25.4	26.5	12.1	11.8	72.9	71.2
New Kensington.....	447	206	31	30.0	30.9	13.8	15.3	69.4	62.9
Norristown.....	767	797	88	21.7	23.6	22.6	20.2	114.7	104.6
North Braddock.....	424	125	34	24.9	23.2	7.4	7.0	80.2	59.4
Oil City.....	508	255	32	21.5	24.2	10.8	11.6	63.0	65.5
Old Forge.....	311	115	43	24.3	27.7	9.0	8.8	138.3	107.0
Olyphant.....	253	96	33	22.2	21.6	8.4	10.1	130.4	74.4
Philadelphia.....	38,627	27,665	3,007	19.2	19.8	13.8	13.2	77.8	76.8
Phoenixville.....	306	178	28	29.2	27.3	17.0	14.1	91.5	80.4
Pittsburgh.....	15,005	9,002	1,236	23.6	24.9	14.1	14.8	82.4	81.5
Pittston.....	495	195	34	24.8	29.0	9.8	12.5	68.7	120.2
Plymouth.....	396	168	40	24.0	27.4	10.2	9.8	101.0	86.3
Pottstown.....	363	274	29	19.4	22.4	14.7	14.8	79.0	108.4
Pottsville.....	565	516	76	24.6	25.1	22.4	20.4	134.5	108.4
Punxsutawney.....	211	170	27	18.8	20.3	15.2	13.2	128.0	80.7
Reading.....	2,244	1,440	171	19.7	20.0	12.6	13.0	76.2	79.6
Scranton.....	3,087	1,885	240	21.6	22.3	13.2	13.8	77.7	87.5
Shamokin.....	488	222	57	22.4	23.5	10.2	9.4	116.8	72.7
Sharon.....	642	369	69	25.2	24.3	14.5	11.3	91.9	59.3
Shenandoah.....	548	249	59	22.2	25.1	10.1	11.6	107.7	145.2
Steelton.....	286	161	32	21.3	23.0	12.0	10.7	111.9	64.7
Sunbury.....	335	198	27	19.7	21.8	11.0	10.7	80.6	40.9
Swissvale.....	189	101	11	14.2	15.3	7.6	9.5	58.2	55.6
Tamaqua.....	262	119	29	18.3	18.7	8.3	8.7	110.7	61.1
Uniontown.....	544	371	33	34.7	27.3	23.6	21.6	60.7	84.1
Warren.....	401	224	27	26.2	24.8	14.6	15.3	67.3	40.0
Washington.....	562	421	80	24.1	29.3	18.1	17.2	142.3	99.3
West Chester.....	361	337	35	30.8	32.7	28.8	26.6	97.0	133.2
Wilkes-Barre.....	2,282	1,242	181	29.1	29.3	15.9	16.1	79.3	81.0
Wilkinsburg.....	571	359	38	20.4	21.6	12.8	12.9	66.5	40.6
Williamsport.....	1,045	667	75	24.2	23.8	15.5	13.3	71.8	96.3
Woodlawn.....	543	137	44	7.2	28.3	6.9	6.5	81.0	76.0
York.....	1,073	750	81	21.7	21.4	15.2	15.0	75.5	92.4
Rhode Island:									
Bristol town.....	190	153	29	14.6	19.7	11.8	11.1	162.6	88.0
Central Falls.....	621	287	56	24.2	21.8	11.2	8.7	90.2	88.3
Cranston.....	445	717	36	12.5	16.7	20.1	18.6	80.9	59.2
Cumberland town.....	189	117	23	18.3	17.1	11.4	9.7	121.7	91.4
East Providence town.....	423	313	49	15.6	17.9	11.5	10.3	115.8	87.8
Newport.....	480	374	25	(⁴)	17.3	(⁴)	14.3	52.1	54.3
Pawtucket.....	1,447	869	138	20.4	21.1	12.2	12.8	95.4	97.6
Providence.....	6,070	3,544	416	22.1	23.4	12.9	12.4	68.5	63.5
Warwick town.....	277	202	21	14.3	15.1	10.4	10.9	75.8	72.5
West Warwick town.....	369	198	40	19.6	20.9	10.5	10.3	108.4	84.2
Woonsocket.....	1,259	599	129	24.6	28.9	11.7	10.5	102.5	87.1
Virginia:									
Alexandria.....	505	287	51	27.3	27.0	15.5	16.4	101.0	116.2
Charlottesville.....	187	128	11	16.5	25.4	11.3	12.9	58.8	95.1
Danville.....	589	334	55	25.4	28.9	14.4	14.8	93.4	116.3
Lynchburg.....	1,081	628	109	28.1	24.0	16.3	17.1	100.8	93.0
Newport News.....	534	398	57	10.9	12.4	8.2	7.6	106.7	87.6

⁴ Population not estimated.

Births and deaths (exclusive of stillbirths), with rates per 1,000 population, and infant mortality, in the birth registration area in continental United States, 1926—Continued

Area	Number, 1926			Rate per 1,000 population				Deaths under 1 year per 1,000 births	
	Births	Deaths		Births		Deaths		1926	1925
		All ages	Under 1 year	1926	1925	1926	1925		
REGISTRATION CITIES—contd.									
Virginia—Continued.									
Norfolk.....	2,510	1,967	226	14.4	15.3	10.7	10.5	90.0	96.8
Petersburg.....	626	593	86	17.2	19.7	16.3	15.1	137.4	124.8
Portsmouth.....	930	668	101	15.5	17.1	11.6	10.9	108.6	95.3
Richmond.....	4,004	3,035	430	21.2	22.5	16.1	14.7	107.4	90.5
Roanoke.....	1,810	965	187	29.2	30.5	15.6	14.4	103.3	93.4
Staunton.....	167	309	26	15.8	14.4	29.2	26.3	155.7	104.6
Washington:									
Aberdeen.....	418	235	23	25.6	24.4	14.4	15.3	55.0	53.0
Bellingham.....	608	368	36	23.1	25.9	14.0	14.6	59.2	50.1
Everett.....	585	380	31	19.8	20.3	12.8	11.4	53.0	48.8
Hoquiam.....	251	107	18	22.2	19.3	9.5	10.4	71.7	70.1
Seattle.....	4,881	3,564	228	(*)	(*)	(*)	(*)	46.7	44.9
Spokane.....	2,167	1,514	142	19.9	20.6	13.9	12.7	65.5	54.7
Tacoma.....	2,220	1,285	108	30.9	21.2	12.1	12.0	48.6	44.0
Vancouver.....	312	158	12	20.9	20.6	10.6	10.8	38.5	43.6
Walla Walla.....	304	233	14	19.6	19.4	15.0	13.9	48.1	73.3
Yakima.....	680	349	61	29.4	27.4	15.1	15.3	89.7	77.3
West Virginia:									
Bluefield.....	469	281	53	23.7	30.6*	14.2	13.5	113.0	104.3
Charleston.....	1,336	851	185	26.4	28.6	16.8	16.5	101.0	97.1
Clarksburg.....	766	380	53	24.8	30.3	12.3	12.5	69.2	71.7
Fairmont.....	574	332	45	26.7	26.0	15.4	14.5	78.4	75.1
Huntington.....	1,681	906	170	25.7	26.3	13.9	15.4	101.1	109.8
Martinsburg.....	384	231	47	28.0	26.1	16.9	20.0	122.4	185.8
Morgantown.....	442	224	33	31.3	37.6	15.9	16.7	74.7	80.9
Moundsville.....	345	156	28	23.2	31.8	13.2	12.1	81.2	61.8
Parkersburg.....	578	410	60	26.9	23.2	19.1	14.5	103.8	85.9
Wheeling.....	1,458	948	126	(*)	29.1	(*)	17.8	86.4	83.6
Wisconsin:									
Appleton.....	499	300	30	23.3	24.7	14.0	12.8	60.1	72.9
Ashland.....	290	219	27	25.6	28.3	19.3	23.2	93.1	77.9
Beloit.....	487	268	38	19.2	21.7	10.6	10.4	78.0	79.9
Eau Claire.....	622	372	43	27.5	30.5	16.5	17.2	69.1	57.1
Fond du Lac.....	676	394	53	25.5	27.6	14.9	15.3	78.4	68.2
Green Bay.....	1,035	600	84	29.7	28.3	17.2	15.7	81.2	75.3
Janesville.....	415	254	28	19.6	19.7	12.0	12.2	67.5	65.9
Kenosha.....	1,015	416	78	19.3	21.9	7.9	7.6	76.8	56.6
La Crosse.....	975	615	63	32.1	31.5	20.2	17.1	64.6	54.3
Madison.....	1,298	746	85	27.3	27.0	15.7	12.9	65.5	43.2
Manitowoc.....	512	266	49	22.7	24.1	11.8	10.5	95.7	60.4
Marinette.....	273	184	20	20.1	25.0	13.5	12.6	73.3	76.5
Milwaukee.....	11,339	5,730	856	21.9	21.7	11.1	10.9	75.5	81.5
Oshkosh.....	820	496	46	24.7	23.4	14.9	13.0	56.1	45.0
Racine.....	1,342	660	108	19.3	20.3	9.5	8.4	80.5	62.6
Sheboygan.....	809	365	59	23.8	25.4	10.7	11.9	72.9	62.3
Stevens Point.....	320	172	26	24.2	25.0	13.0	10.8	81.3	71.2
Superior.....	759	417	50	(*)	19.6	(*)	11.5	65.9	57.8
Wauskosta.....	329	205	25	21.8	22.7	13.6	9.9	76.0	62.9
Wausau.....	605	279	49	29.8	30.5	13.7	12.8	81.0	76.7
West Allis.....	459	154	28	23.9	24.1	8.0	7.3	61.0	85.6
Wyoming:									
Casper.....	501	191	31	(*)	(*)	(*)	(*)	61.9	54.0
Cheyenne.....	353	147	36	22.5	25.4	9.4	11.4	102.0	45.7

* Population not estimated.

COURT DECISION RELATING TO PUBLIC HEALTH

Milk ordinance construed.—(Georgia Supreme Court; *Leontas v. Mayor and Aldermen of City of Savannah*, 138 S. E. 154; decided May 5, 1927.) An ordinance of the city of Savannah authorized the health officer to adopt and publish such regulations as he deemed proper and necessary to insure the suitability for consumption as human food of all milk and cream intended for consumption in the city, and to prohibit within the city the sale of milk or cream contrary to such regulations. The ordinance also empowered the health officer, if upon inspection he found conditions to be such as, in his opinion, rendered milk or cream unsuitable or unsafe for human food and warranted its exclusion from sale in the city, to absolutely prohibit the sale thereof until such time as the reason for the exclusion had, in his opinion, ceased. In a case involving the said ordinance, the supreme court held that a provision in the ordinance that "the action of the health officer hereunder [to] be subject to the approval of the sanitary board" referred to regulations which the ordinance authorized the health officer to make, and did not refer to the power conferred upon him to exclude from sale milk or cream which he found upon inspection to be unsuitable or unsafe for human food. The court stated that "This [latter] power is conferred directly by the mayor and council of the city upon this officer by this ordinance, and the same does not require the approval of the sanitary board before it can be exercised by the health officer."

PUBLIC HEALTH ENGINEERING ABSTRACTS

Report of the Committee on Methods for the Bacterial Analyses of Milk and Milk Products.—John W. Rice, chairman, D. W. Horn, and G. W. Ramsey. Third Annual Report (1927) Pennsylvania Association of Dairy and Milk Inspectors, Harrisburg, Pa., pp. 72-76. (Abstract by Ralph E. Irwin.)

The results obtained by the use of one type of methylene blue apparatus used by the milk industry to determine the quality of market milk were compared with actual bacterial counts which were run in parallel. Standard methods of milk analyses were used.

Conclusions: "(1) The grades or class designations of milk, as proposed for the milk grader, are entirely too large to enable public health officials to control a city milk supply under standards such as are defined by the Model Milk Ordinance of the State; (2) the inconsistencies which exist between the time to decolorization of methylene blue and the plate counts reveal the fact that it is not so much the number of bacteria which are present in the milk as it is the predominating kind of bacteria which is suggested by the grading tests; (3) there seems to be no short-cut, royal road to efficient control of market milk in an up-to-date community. To the best of our knowledge there is only one substitute for the services of a trained bacteriologist in milk-control work, and that is another well-trained and efficient bacteriologist."

Report of the Committee on Hygiene and Dairy Methods.—C. I. Cohee, chairman, C. R. Hostetter, H. B. Mitchell, W. A. Morgan, and H. B. Steele. Third Annual Report (1927) Pennsylvania Association of Dairy and Milk Inspectors, Harrisburg, Pa., pp. 112-113.

"The committee recognizes the need of a greater uniformity of milk regulations throughout the Commonwealth.

"The committee recommends: (1) That in order adequately to supervise the Pasteurization of milk within the Commonwealth, the operators of Pasteurizing plants be required to take an examination given by the Pennsylvania State College and demonstrate their efficiency in the processes of Pasteurization before they be permitted to operate such a plant within the State; (2) that the Director of Public Health of the State of Pennsylvania conduct investigations leading to the approval of satisfactory types of Pasteurizing equipment, and that as rapidly as possible the dealers be required to discontinue the use of equipment that is not satisfactory; (3) that, so far as possible, all dairy-barn score cards, milk-plant score cards, and other material used in milk-inspection work be uniform; (4) that a high standard be required and maintained in the ranks of those who are responsible for sanitary milk-control work, and that the inspectors be required to pass an examination demonstrating their fitness for the position."

Report of Committee on Pasteurization.—R. E. Irwin, W. Englert, G. W. Grim, J. J. Skelly, and C. W. Selemeyer. Third Annual Report (1927) Pennsylvania Association of Dairy and Milk Inspectors, pp. 143-164. (Abstract by F. J. Moss.)

Short accounts are given of municipal cooperation in employment of milk inspectors of the increase in the tuberculin testing of dairy cattle under the Official Modified Accredited Area Plan, and of the present record of departments of our National Government with respect to the definition of Pasteurized milk.

On September 10, 1925, the Reick-McJunkin Dairy Co., of Pittsburgh, requested permission of the Pennsylvania Department of Health to use the Electropure Process of milk treatment. The secretary of health appointed a committee to investigate the efficiency of the process, and on April 13, 1926, the committee report was presented. This report gave a description of the apparatus used and a record of the results obtained in the experimental plant operated in the East Liberty plant of the Reick-McJunkin Dairy Co. Milk inoculated with *B. diphtheriæ*, *B. typhosus*, and hemolytic streptococcus, *B. tuberculosis* (bovine and human), *B. coli*, and *B. aerogenes* was used in measuring the efficiency of the process. Temperatures of 150° F., 155° F., and 160° F., were used, and the retention period in the electric heater varied between 8 and 10 seconds. Sections are quoted from that part of the report giving a description of the construction and operation of the equipment.

The conclusions and recommendations of the committee are stated in full, and it was their opinion, based upon results of experimental work, that the process was a reasonably safe method for the Pasteurization of milk, and merited a thorough trial under commercial conditions, as well as continued investigation as to its efficiency in destroying the tubercle bacillus.

On December 21, 1926, the committee submitted its final report. This report gives the results of experimental work with *B. coli* and *B. tuberculosis*. The construction and operation of the experimental plant were the same as described in the committee report submitted April 13, 1926. Observations on the commercial use of the Electropure Process were made in the Thirtieth Street plant and the Charleroi plant of the Reick-McJunkin Dairy Co. Samples of treated and untreated milk were collected to determine the total number of bacteria and of *B. coli* present. Samples were also collected from the Forbes Street plant of

the Rieck-McJunkin Dairy Co. to show the results obtained by the heating of milk to 145° F. for 30 minutes in one type of horizontal coil vat Pasteurizer.

It was the conclusion of the committee that the results of the work set forth in the final report confirmed the opinion given in the former report, namely, that the method known as the Electropure Process was a reasonably safe method for the Pasteurization of milk. The bacteriological results obtained in a study of the process under commercial conditions confirm this opinion and support the findings obtained under experimental conditions.

The recommendations contained in this report are listed and are essentially the same as those given in the first report. On December 21, 1926, the Advisory Health Board approved the report of the committee with the exception of the recommendation which pertained to the approval of the process, but agreed to allow the restricted use of the process under permit.

A description is given of the process of viscolizing milk, together with an agreement form used in promoting the use of the process. It is claimed that this product is more digestible and more easily assimilated. A bottle of milk with a large cream separation is obtained, due to the fact that the cream is of greater volume per percentage of butterfat than unviscolized cream. A statement issued by the director and chief chemist, bureau of foods and chemistry, Pennsylvania Department of Agriculture, outlines the position of the State officials, as follows: "This sale of so-called viscolized milk, as recently adopted by certain distributors, is declared by the officials of the Pennsylvania Department of Agriculture to be unlawful and a fraud on the consumers of milk." The position taken by the Pennsylvania Department of Agriculture in reference to the sale of so-called viscolized milk is approved by the secretary of health, Pennsylvania Department of Health.

A list is given of inspection points to be observed by milk-plant inspectors, and data are given which were obtained from the inspection of 300 milk-treatment plants.

A State-wide Milk Survey.—Frank C. Wilson, Director, Milk Laboratory. Monthly Bulletin, Indiana State Board of Health, volume 30, No. 3, March, 1927, pp. 37-38. (Abstract by H. A. Whittaker.)

The author outlines the information collected during a survey of the milk supplies of practically every city in the State with a population of 500 or more. The information procured covered the following points: (a) Total consumption of milk; (b) amount of milk Pasteurized; (c) amount of milk raw; (d) source of supply, that is, proportion direct from producers and from central plants; (e) types of Pasteurizers employed; (f) whether or not recording thermometers are used on Pasteurizers; (g) clarification and filtration of milk; (h) is milk ordinance in effect; (i) by whom is ordinance enforced; (j) provisions of ordinance, such as licensing of milk dealers, requirements for Pasteurization and tuberculin testing, standards for milk, and physical examinations of dairy workers, etc. The information given in this article includes a report on cities of 50,000 or more inhabitants. In next month's bulletin will be reported the information on the second group of cities—those of 25,000 to 50,000 inhabitants.

The author states that the information obtained on the cities of this first group is very encouraging, showing on the whole reasonably satisfactory conditions of the milk supplies.

Oyster Investigation.—Report of Bureau of Sanitary Engineering, Maryland State Department of Health, 1926. 19 pages. (Abstract by I. W. Mendelsohn.)

The study of the oyster-bearing waters and oyster shucking and packing houses was continued. Tentative conclusions from the investigations are: (1) No correlation exists between water score and oyster score; (2) high oyster

scores occur in excellent overlying waters and in the absence of any sanitary conditions to justify them; (3) the oyster scores vary with the water temperatures, regardless of location, intensity of pollution, or tidal influences; (4) until more definite knowledge is obtained as to the exact significance of the oyster score, sanitary survey and quality of water overlying shellfish beds offer the only consistent criteria for administrative guidance.

Special studies on chlorination of shell and shucked oysters started at one of the local packing houses in December, 1925, were continued during the early part of 1926.

The Prevalence and Epidemiology of Hookworm and Other Helminthic Infections in India. Part VI: Burma.—Asa C. Chandler. Indian Journal of Medical Research, volume 14, No. 3, January, 1927, pp. 733-744. (Abstract by N. R. Stoll.)

The Province of Burma, on the Bay of Bengal, bordered on the east by Yunnan (China) and Siam, is of quite varied topography and climate, has a total area of 233,707 square miles (slightly smaller than Texas) and a total population of over 13,000,000 (average density 57 per square mile), made up of many different races of people of widely different origins.

The amount of hookworm infection varies a great deal in different parts of Burma—in the 10 different localities studied, from 18 per cent incidence, with an average egg count of all examined of 21 per gram, to 100 per cent in two areas each of which showed about 1,380 eggs per gram. These rank as very distinctly low average infections. Of the 741 stools examined, about 29 per cent were negative, 22 per cent showed less than 100 eggs per gram, and 34 per cent from 100 to 500 eggs per gram. The climate of all parts of Burma, except a central dry zone (in which live about a third of the people of the Province, and these have practically no hookworm), is somewhat more favorable for hookworm propagation than is that of Bengal. There are about eight favorable months. The use of latrines by the native peoples holds down the infection. The hookworm species involved are not only *N. americanus* and *A. doudenale*, but also *A. braziliense*.

Ascaris infections in the 10 groups studied range in incidence from 3 to 83 per cent, and *Trichuris* from 0 to 86 per cent. Two stools, presumably human, contained *Gnathostoma* eggs. No fluke infections were encountered in 1 to 2 per cent of the people, but *Taenia* infections were fairly common in one group.

The Prevalence and Epidemiology of Hookworm and Other Helminthic Infections in India. Part VII: Bihar and Orissa.—Asa C. Chandler. Indian Journal of Medical Research, volume 14, No. 3, January, 1927, pp. 745-759. (Abstract by N. R. Stoll.)

The Province of Bihar and Orissa, in northeastern India, extends for about 500 miles from the foothills of the Himalayas on the north to the Province of Madras and the Bay of Bengal on the south. It covers an area of 111,809 square miles (about as large as Arizona or Italy), and harbors a population of about 38,000,000 persons, about 83 per cent of whom are Hindus.

In all 16 different localities studied, the incidence of infection was high, ranging from 60 to 100 per cent. The intensity of infection was uniformly low, however, only three stools in over 1,000 examined showing counts over 2,000 eggs per gram. In view of the fact "that the habits of the people are such as to lead to easy acquisition of infection almost everywhere, it is only the long dry season (only 4½ to 5 months are favorable for hookworm propagation), when reinfection is stopped, that can be thanked for the low degree of infection." It is suggested that the people be encouraged to make a practice of standing on the stones or rocks and passing the stools over the edges instead of standing

on the ground beside the rocks. It is believed that most of the infection is acquired while standing, during defecation, on previously polluted spots.

Ascaris in the groups studied varied from 0 to 93 per cent incidence, and *Trichuris* from 0 to 94 per cent. Other helminthic infections encountered included *Strongyloides*, *Gnathostoma*, *Trichostrongylus*, *Hymenolepis nana* and *H. diminuta*, and *Fasciolopsis buski*.

The Prevalence and Epidemiology of Hookworm and Other Helminthic Infections in India. Part VIII: United Provinces of Agra and Oudh.—Ass C. Chandler. Indian Journal of Medical Research. volume 14, No. 3, January, 1927, pp. 761-773. (Abstract by N. R. Stoll.)

The United Provinces of Agra and Oudh lie in the northern part of India between Bihar on the east and the Punjab on the west. The total area is 112,440 square miles, which is a little less than that of the British Isles, and the population in 1921 was 46,510,668.

In the 11 areas studied, hookworm incidence varied from 3 to 94 per cent, but the intensity is low, only 15 stools of 823 examined showing over 2,000 eggs per gram. The highest indices of infection occur in the submontane areas and in the Gangetic plain north of the Ganges, particularly in the East. Here there is a fair rainfall every year, concentrated sufficiently to keep the ground continually moist for several months. The suggestion is made that a hopeful and practical method of reducing infection lies in the encouragement of the habit of wearing shoes when visiting defecation areas.

Ascaris infections varied from 0 to 80 per cent and *Trichuris* from 0 to 7 per cent in the 11 areas studied. *Trichostrongylus*, *Taenia*, *H. diminuta*, and an unidentified fluke were also encountered.

DEATHS DURING WEEK ENDED JUNE 25, 1927

Summary of information received by telegraph from industrial insurance companies for week ended June 25, 1927, and corresponding week of 1926. (From the Weekly Health Index, June 29, 1927, issued by the Bureau of the Census, Department of Commerce)

	Week ended June 25, 1927	Corresponding week 1926
Policies in force.....	67, 679, 218	64, 836, 039
Number of death claims.....	12, 748	12, 056
Death claims per 1,000 policies in force, annual rate.....	9. 8	9. 7

Deaths from all causes in certain large cities of the United States during the week ended June 25, 1927, infant mortality, annual death rate, and comparison with corresponding week of 1926. (From the Weekly Health Index, June 29, 1927, issued by the Bureau of the Census, Department of Commerce)

City	Week ended June 25, 1927		Annual death rate per 1,000, corresponding week 1926	Deaths under 1 year		Infant mortality rate, week ended June 25, 1927 ¹
	Total deaths	Death rate ¹		Week ended June 25, 1927	Corresponding week 1926	
Total (67 cities).....	6, 831	11. 2	11. 2	672	712	65
Akron.....	36			6	3	65
Albany.....	30	13. 0	10. 1	2	1	42
Atlanta.....	65			12	8	
White.....	34			4	3	
Colored.....	31	(²)		8	5	
Baltimore.....	185	11. 8	14. 5	23	16	71
White.....	140		12. 7	17	12	66
Colored.....	45	(²)	25. 0	6	4	93
Birmingham.....	62	15. 0	20. 8	8	11	
White.....	25		15. 1	5	4	
Colored.....	37	(²)	29. 5	3	7	
Boston.....	173	11. 4	11. 7	25	26	70
Bridgeport.....	22			3	5	56
Buffalo.....	135	12. 8	13. 4	18	10	76
Cambridge.....	21	8. 8	14. 5	4	2	71
Camden.....	31	12. 2	10. 7	2	2	34
Canton.....	19	8. 8	7. 6	1	4	24
Chicago.....	671	11. 3	9. 0	79	56	68
Cincinnati.....	111	14. 0	13. 3	20	8	125
Cleveland.....	177	9. 4	10. 9	21	28	56
Columbus.....	78	14. 0	9. 9	3	5	28
Dallas.....	47	11. 7	11. 3	5	5	
White.....	39		10. 7	5	5	
Colored.....	8	(²)	15. 4	0	0	
Dayton.....	46	13. 3	11. 8	7	5	115
Denver.....	65	11. 7	9. 9	11	4	
Des Moines.....	20	7. 0	8. 9	1	2	17
Detroit.....	251	9. 8	10. 9	37	37	58
Duluth.....	26	11. 8	8. 3	2	2	43
El Paso.....	34	15. 6	17. 7	11	13	
Erie.....	20			1	3	20
Fall River.....	25	9. 8	11. 1	4	5	71
Flint.....	17	6. 2	6. 5	7	1	114
Fort Worth.....	31	9. 9	9. 8	2	5	
White.....	28		10. 1	1	5	
Colored.....	3	(²)	8. 2	1	0	
Grand Rapids.....	28	9. 2	10. 0	2	2	29
Houston.....	46			5	7	
White.....	32			5	6	
Colored.....	14	(²)		0	1	
Indianapolis.....	101	14. 1	9. 1	6	5	47
White.....	83		8. 2	5	3	45
Colored.....	18	(²)	15. 4	1	2	61
Jersey City.....	59	9. 6	11. 3	10	9	75
Kansas City, Kans.....	32	14. 3	11. 1	2	0	39
White.....	26		9. 7	0	0	0
Colored.....	6	(²)	17. 8	2	0	304
Kansas City, Mo.....	98	12. 7	11. 0	11	7	
Knoxville.....	24	12. 3		2		
White.....	20			1		
Colored.....	4	(²)		1		
Los Angeles.....	262			35	17	100
Louisville.....	59	9. 6	13. 1	0	14	0
White.....	40		11. 1	0	7	0
Colored.....	19	(²)	24. 4	0	7	0
Lowell.....	15	7. 1	11. 8	0	0	0
Lynn.....	17	8. 4	11. 5	2	3	53
Memphis.....	66	19. 2	25. 0	5	13	
White.....	37		20. 6	3	5	
Colored.....	29	(²)	33. 1	2	8	

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births. Cities left blank are not in the registration area for births.

³ Data for 66 cities.

⁴ Data for 62 cities.

⁵ Deaths for week ended Friday, June 24, 1927.

⁶ In the cities for which deaths are shown by color, the colored population in 1920 constituted the following percentages of the total population: Atlanta, 31; Baltimore, 15; Birmingham, 39; Dallas, 15; Fort Worth, 14; Houston, 25; Indianapolis, 11; Kansas City, Kans., 14; Knoxville, 15; Louisville, 17; Memphis, 38; Nashville, 30; New Orleans, 26; Richmond, 32; and Washington, D. C., 25.

Deaths from all causes in certain large cities of the United States during the week ended June 25, 1927, infant mortality, annual death rate, and comparison with corresponding week of 1926—Continued.

City	Week ended June 25, 1927		Annual death rate per 1,000, corresponding week 1926	Deaths under 1 year		Infant mortality rate, week ended June 25, 1927
	Total deaths	Death rate		Week ended June 25, 1927	Corresponding week 1926	
Milwaukee.....	110	10.8	9.2	7	11	33
Minneapolis.....	90	10.6	9.4	4	6	23
Nashville ^a	41	15.5	19.8	6	6	-----
White.....	24		17.0	3	2	-----
Colored.....	17	(^b)	26.7	3	4	-----
New Bedford.....	18	7.9	10.5	2	3	35
New Haven.....	38	10.7	9.7	3	4	42
New Orleans.....	128	15.7	16.9	16	16	-----
White.....	74		13.6	9	9	-----
Colored.....	54	(^b)	26.3	7	7	-----
New York.....	1,253	10.9	10.8	152	145	63
Bronx borough.....	149	8.4	10.9	10	15	32
Brooklyn borough.....	440	10.1	8.8	62	46	64
Manhattan borough.....	514	14.8	14.1	66	68	77
Queens borough.....	116	7.5	7.8	12	14	51
Richmond borough.....	34	12.1	13.9	2	2	37
Newark, N. J.....	89	11.0	8.4	13	15	64
Oakland.....	46	9.0	9.0	6	9	70
Oklahoma City.....	45			3	2	-----
Omaha.....	42	10.0	10.1	3	2	33
Paterson.....	27	9.8	12.0	2	2	35
Philadelphia.....	404	10.3	11.8	19	43	25
Pittsburgh.....	152	12.3	11.1	10	18	35
Portland, Oreg.....	69			0	5	0
Providence.....	56	10.4	12.7	7	7	59
Richmond.....	48	13.0	16.3	3	9	40
White.....	24		15.2	1	4	20
Colored.....	24	(^b)	19.0	2	5	76
Rochester.....	67	10.8	12.0	3	10	25
St. Louis.....	180	11.2	10.9	16	15	-----
St. Paul.....	57	11.9	11.4	1	5	9
Salt Lake City ^c	24	9.2	9.8	2	2	30
San Antonio.....	51	12.6	13.0	12	15	-----
San Diego.....	32	14.5	10.9	3	2	64
San Francisco.....	129	11.7	11.6	11	8	69
Schenectady.....	27	15.1	10.1	2	3	60
Seattle.....	72			1	4	10
Somerville.....	21	10.7	7.3	0	1	0
Spokane.....	31	14.8	14.8	0	0	0
Springfield, Mass.....	30	10.6	11.1	1	5	15
Syracuse.....	46	12.2	12.7	2	5	26
Tacoma.....	20	9.7	8.9	1	2	24
Toledo.....	66	11.3	12.0	6	9	58
Trenton.....	47	17.9	11.3	5	4	87
Washington, D. C.....	101	9.8	13.2	10	11	58
White.....	53		11.1	5	5	42
Colored.....	48	(^b)	19.5	5	6	92
Waterbury.....	18			3	5	71
Wilmington, Del.....	29	12.0	9.3	3	2	74
Worcester.....	46	12.3	14.0	3	12	36
Yonkers.....	15	6.6	9.9	3	1	68
Youngstown.....	21	6.5	7.9	2	4	28

^a Deaths for week ended Friday, June 24, 1927.

^b In the cities for which deaths are shown by color, the colored population in 1920 constituted the following percentages of the total population: Atlanta, 31; Baltimore, 15; Birmingham, 39; Dallas, 15; Fort Worth, 14; Houston, 25; Indianapolis, 11; Kansas City, Kans., 14; Knoxville, 15; Louisville, 17; Memphis, 38; Nashville, 30; New Orleans, 26; Richmond, 32; and Washington, D. C., 24.

MEASLES—continued	Cases
Massachusetts.....	364
Michigan.....	163
Minnesota.....	70
Missouri ¹	23
Montana.....	27
Nebraska.....	26
New Jersey.....	31
New Mexico.....	61
New York ¹	443
North Carolina.....	698
Oklahoma ¹	79
Oregon.....	60
Pennsylvania.....	298
South Carolina.....	205
South Dakota.....	25
Tennessee.....	12
Texas.....	26
Utah ¹	3
Vermont.....	82
Washington.....	317
West Virginia.....	78
Wisconsin.....	415
Wyoming.....	13

MENINGOCOCCUS MENINGITIS	Cases
Alabama.....	1
Arizona.....	1
Arkansas.....	1
California.....	4
Connecticut.....	1
Georgia.....	1
Idaho.....	1
Illinois.....	5
Indiana.....	1
Kansas.....	2
Maryland ¹	2
Massachusetts.....	1
Michigan.....	6
Minnesota.....	2
Montana.....	2
New Jersey.....	1
North Carolina.....	1
Oregon.....	1
Pennsylvania.....	1
Washington.....	1
Wisconsin.....	11

POLIOMYELITIS	Cases
Arkansas.....	4
California.....	14
Georgia.....	1
Illinois.....	4
Kansas.....	2
Louisiana.....	6
Massachusetts.....	2
Michigan.....	1
New Mexico.....	2
Oklahoma ¹	2
Pennsylvania.....	1
South Carolina.....	4
Tennessee.....	3

SCARLET FEVER	Cases
Alabama.....	8
Arizona.....	2
Arkansas.....	1
California.....	73
Colorado.....	59
Connecticut.....	23
Delaware.....	2
Florida.....	3
Georgia.....	15
Idaho.....	1
Illinois.....	132
Indiana.....	39
Iowa ¹	13
Kansas.....	35
Louisiana.....	2
Maine.....	34
Maryland ¹	23
Massachusetts.....	271
Michigan.....	150
Minnesota.....	95
Mississippi.....	1
Missouri ¹	8
Montana.....	9
Nebraska.....	24
New Jersey.....	150
New Mexico.....	10
New York ¹	121
North Carolina.....	14
Oklahoma ¹	14
Oregon.....	8
Pennsylvania.....	281
Rhode Island.....	24
South Carolina.....	5
South Dakota.....	17
Tennessee.....	7
Texas.....	8
Utah ¹	6
Vermont.....	8
Washington.....	31
West Virginia.....	21
Wisconsin.....	66
Wyoming.....	6

SMALLPOX	Cases
Alabama.....	13
Arkansas.....	8
California.....	16
Colorado.....	1
Florida.....	14
Georgia.....	9
Idaho.....	1
Illinois.....	13
Indiana.....	43
Iowa ¹	17
Kansas.....	22
Louisiana.....	2
Maryland ¹	1
Michigan.....	22
Minnesota.....	1
Mississippi.....	1
Missouri ¹	19

¹ Week ended Friday.
² Exclusive of Kansas City and St. Louis.

¹ Exclusive of New York City.
⁴ Exclusive of Oklahoma City and Tulsa.

SUMMARY OF MONTHLY REPORTS FROM STATES—Continued

State	Cerebro-spinal meningitis	Diphtheria	Influenza	Malaria	Measles	Pellagra	Polio-myelitis	Scarlet fever	Small-pox	Typhoid fever
<i>May, 1927</i>										
Alabama.....		70	155	129	953	83	0	30	101	101
Colorado.....		69			1,332		0	689	38	40
Idaho.....	4	9	1		248		0	56	52	11
Indiana.....	1	81	63		687		0	472	443	8
Kansas.....	4	29	38		3,828	1	1	267	85	12
Louisiana.....	1	78	55	88	255	40	7	21	20	76
Mississippi.....		27	1,357	5,646	1,780	1,286	4	29	31	140
Missouri.....	12	166	16	3	954		2	339	69	57
North Carolina.....	1	52			7,220		0	68	179	57
Oklahoma ¹	2	17	165	97	1,287	46	1	101	165	89
Oregon.....	6	42	70	1	1,298		0	117	72	25
South Dakota.....		13	6		342		0	121	16	2
Virginia.....	2	83	1,301	86	3,686	39	4	121	172	50
Washington.....	22	46	29		1,844		1	175	195	14

¹ Exclusive of Oklahoma City and Tulsa.

<i>January, 1927</i>		Cases
Colorado:		
Chicken pox.....		235
German measles.....		3
Impetigo contagiosa.....		8
Mumps.....		20
Paratyphoid fever.....		3
Scabies.....		3
Septic sore throat.....		3
Whooping cough.....		11
<i>February, 1927</i>		
Chicken pox:		
Colorado.....		219
Delaware.....		10
German measles:		
Colorado.....		31
Impetigo contagiosa:		
Colorado.....		17
Lethargic encephalitis:		
Colorado.....		2
Mumps:		
Colorado.....		40
Delaware.....		2
Septic sore throat:		
Colorado.....		2
Trachoma:		
Colorado.....		1
Whooping cough:		
Colorado.....		12
Delaware.....		19
<i>March, 1927</i>		
Ohio:		
Chicken pox.....		1,921
Dysentery.....		1
German measles.....		507
Lead poisoning.....		22
Lethargic encephalitis.....		3
Mumps.....		740
Ophthalmia neonatorum.....		108
Paratyphoid fever.....		1
Trachoma.....		3
Whooping cough.....		871

<i>April, 1927</i>		Cases
Ohio:		
Chicken pox.....		9,844
German measles.....		658
Lead poisoning.....		12
Leprosy.....		1
Lethargic encephalitis.....		3
Mumps.....		846
Ophthalmia neonatorum.....		106
Paratyphoid fever.....		1
Trachoma.....		5
Whooping cough.....		679
<i>May, 1927</i>		
Anthrax:		
Louisiana.....		1
Chicken pox:		
Alabama.....		82
Colorado.....		178
Idaho.....		34
Indiana.....		247
Kansas.....		330
Louisiana.....		19
Mississippi.....		553
Missouri.....		231
North Carolina.....		431
Oklahoma.....		47
Oregon.....		107
South Dakota.....		11
Virginia.....		507
Washington.....		310
Dengue:		
Alabama.....		1
Mississippi.....		3
Dysentery:		
Louisiana.....		2
Mississippi (amebic).....		114
Mississippi (bacillary).....		2,451
Oklahoma.....		17
Oregon.....		2
Virginia.....		328

<i>May, 1927—Continued</i>		<i>May, 1927—Continued</i>	
German measles:	Cases	Rocky Mountain spotted or tick fever:	Cases
Colorado.....	63	Colorado.....	5
Kansas.....	46	Idaho.....	5
North Carolina.....	41	Oregon.....	8
Washington.....	1,415	Washington.....	1
Hookworm disease:		Scabies:	
Louisiana.....	8	Oregon.....	3
Mississippi.....	408	Septic sore throat:	
Virginia.....	7	Colorado.....	2
Impetigo contagiosa:		Kansas.....	1
Oregon.....	6	Missouri.....	9
Leprosy:		North Carolina.....	13
Louisiana.....	1	Oklahoma.....	4
Missouri.....	1	Oregon.....	7
South Dakota.....	1	Washington.....	1
Lethargic encephalitis:		Tetanus:	
Alabama.....	2	Kansas.....	1
Kansas.....	1	Louisiana.....	3
Louisiana.....	3	Missouri.....	4
Oregon.....	1	Trachoma:	
Washington.....	6	Louisiana.....	1
Mumps:		Mississippi.....	6
Alabama.....	76	Missouri.....	9
Colorado.....	54	North Carolina.....	1
Idaho.....	25	Typhus fever:	
Indiana.....	10	Alabama.....	1
Kansas.....	155	Vincent's angina:	
Louisiana.....	66	Kansas.....	5
Mississippi.....	600	Oklahoma.....	6
Missouri.....	442	Whooping cough:	
Oklahoma.....	66	Alabama.....	221
Oregon.....	80	Colorado.....	79
South Dakota.....	11	Idaho.....	57
Washington.....	356	Indiana.....	195
Ophthalmia neonatorum:		Kansas.....	303
Idaho.....	1	Louisiana.....	121
Mississippi.....	18	Mississippi.....	2,054
Paratyphoid fever:		Missouri.....	284
Colorado.....	1	North Carolina.....	2,490
Louisiana.....	1	Oklahoma.....	88
Puerperal septicemia:		Oregon.....	72
Mississippi.....	51	South Dakota.....	35
Rabies in animals:		Virginia.....	1,661
Idaho.....	3	Washington.....	169
Mississippi.....	6		
Missouri.....	3		
Oregon.....	1		
Washington.....	2		

GENERAL CURRENT SUMMARY AND WEEKLY REPORTS FROM CITIES

The 101 cities reporting cases used in the following table are situated in all parts of the country and have an estimated aggregate population of more than 30,966,000. The estimated population of the 95 cities reporting deaths is more than 30,295,000. The estimated expectancy is based on the experience of the last nine years, excluding epidemics.

Weeks ended June 18, 1927, and June 19, 1926

	1927	1926	Estimated expectancy
<i>Cases reported</i>			
Diphtheria:			
40 States.....	1,453	1,055	-----
101 cities.....	895	662	749
Measles:			
39 States.....	7,403	13,853	-----
101 cities.....	2,143	4,373	-----
Poliomyelitis:			
39 States.....	32	21	-----
Scarlet fever:			
41 States.....	2,674	2,898	-----
101 cities.....	1,177	1,360	712
Smallpox:			
40 States.....	483	378	-----
101 cities.....	112	67	89
Typhoid fever:			
40 States.....	513	377	-----
101 cities.....	77	66	76
<i>Deaths reported</i>			
Influenza and pneumonia:			
95 cities.....	538	537	-----
Smallpox:			
95 cities.....	0	0	-----

City reports for week ended June 18, 1927

The "estimated expectancy" given for diphtheria, poliomyelitis, scarlet fever, smallpox, and typhoid fever is the result of an attempt to ascertain from previous occurrence the number of cases of the disease under consideration that may be expected to occur during a certain week in the absence of epidemics. It is based on reports to the Public Health Service during the past nine years. It is in most instances the median number of cases reported in the corresponding week of the preceding years. When the reports include several epidemics, or when for other reasons the median is unsatisfactory, the epidemic periods are excluded and the estimated expectancy is the mean number of cases reported for the week during non-epidemic years.

If reports have not been received for the full nine years, data are used for as many years as possible, but no year earlier than 1918 is included. In obtaining the estimated expectancy the figures are smoothed when necessary to avoid abrupt deviations from the usual trend. For some of the diseases given in the table the available data were not sufficient to make it practicable to compute the estimated expectancy.

Division, State, and city	Population July 1, 1925, estimated	Chick- en pox, cases re- ported	Diphtheria		Influenza		Mea- sles, cases re- ported	Mump- s, cases re- ported	Pneu- monia, deaths re- ported
			Cases, esti- mated expect- ancy	Cases re- ported	Cases re- ported	Deaths re- ported			
NEW ENGLAND									
Maine:									
Portland.....	75,333	0	1	0	0	0	0	0	2
New Hampshire:									
Concord.....	22,546	0	0	0	0	0	1	0	0
Manchester.....	83,097	0	1	0	0	1	0	0	0
Vermont:									
Barre.....	10,008	0	0	0	0	0	0	0	2
Burlington.....	24,089	0	0	0	0	0	10	0	0
Massachusetts:									
Boston.....	779,620	47	46	31	1	0	131	53	19
Fall River.....	128,993	9	3	2	0	0	13	1	1
Springfield.....	142,065	11	2	4	0	0	0	7	1
Worcester.....	190,757	45	3	0	0	0	7	5	4
Rhode Island:									
Pawtucket.....	69,760	8	1	1	0	0	0	0	1
Providence.....	267,918	0	6	3	0	1	0	0	2
Connecticut:									
Bridgeport.....	(1)	1	4	4	0	0	1	2	3
Hartford.....	160,197	4	4	4	0	0	6	10	7
New Haven.....	178,927	15	1	0	0	0	16	9	4

¹ No estimate made.

City reports for week ended June 18, 1927—Continued

Division, State, and city	Population July 1, 1925, estimated	Chicken pox, cases reported	Diphtheria		Influenza		Measles, cases reported	Mumps, cases reported	Pneumonia, deaths reported
			Cases, estimated expectancy	Cases reported	Cases reported	Deaths reported			
MIDDLE ATLANTIC									
New York:									
Buffalo.....	538, 016	29	8	11	0	21	14	10	
New York.....	5, 873, 356	228	209	319	9	8	107	107	
Rochester.....	316, 786	10	8	9	0	12	4	6	
Syracuse.....	182, 063	31	4	1	0	227	3	6	
New Jersey:									
Camden.....	128, 642	1	4	17	0	0	1	2	
Newark.....	452, 513	151	11	11	0	0	4	73	
Trenton.....	132, 020	2	2	3	0	0	0	1	
Pennsylvania:									
Philadelphia.....	1, 979, 364	82	58	47	3	60	113	40	
Pittsburgh.....	631, 563	47	14	20	0	82	14	17	
Reading.....	112, 707	0	2	1	0	56	17	0	
EAST NORTH CENTRAL									
Ohio:									
Cincinnati.....	409, 333	12	7	7	0	2	6	6	
Cleveland.....	936, 485	107	19	69	1	0	7	70	
Columbus.....	279, 836	7	2	5	0	0	1	0	
Toledo.....	287, 380	58	4	5	1	1	14	3	
Indiana:									
Fort Wayne.....	97, 846	5	2	2	0	0	2	0	
Indianapolis.....	358, 819	10	3	2	0	0	6	32	
South Bend.....	80, 091	0	1	0	0	0	1	0	
Terre Haute.....	71, 071	0	1	0	0	0	8	0	
Illinois:									
Chicago.....	2, 995, 239	74	70	69	5	2	98	145	
Springfield.....	63, 923	11	0	1	1	1	3	62	
Michigan:									
Detroit.....	1, 245, 824	54	42	48	1	1	14	89	
Flint.....	130, 316	12	2	1	0	2	19	0	
Grand Rapids.....	153, 698	7	2	1	0	0	24	2	
Wisconsin:									
Kenosha.....	50, 891	10	1	0	0	0	2	8	
Madison.....	46, 385	11	0	2	0	0	1	0	
Milwaukee.....	509, 192	102	11	15	0	0	199	73	
Racine.....	67, 707	16	0	1	0	0	1	5	
Superior.....	39, 671	0	0	0	0	0	2	0	
WEST NORTH CENTRAL									
Minnesota:									
Duluth.....	110, 502	11	1	1	0	0	4	0	
Minneapolis.....	425, 435	105	12	7	0	0	10	0	
St. Paul.....	246, 001	32	12	3	0	1	8	0	
Iowa:									
Davenport.....	52, 469	0	1	1	0	0	0	1	
Des Moines.....	41, 441	0	0	6	0	0	0	0	
Sioux City.....	76, 411	2	1	0	0	0	12	5	
Waterloo.....	36, 771	0	1	0	0	0	0	1	
Missouri:									
Kansas City.....	367, 481	2	4	8	0	0	25	2	
St. Joseph.....	78, 342	0	1	0	0	0	9	0	
St. Louis.....	821, 543	9	32	16	1	0	15	28	
North Dakota:									
Fargo.....	26, 403	4	1	0	0	0	1	0	
Grand Forks.....	14, 811	0	0	0	0	0	0	0	
South Dakota:									
Aberdeen.....	15, 036	1	1	0	0	0	0	0	
Sioux Falls.....	30, 127	0	0	0	0	0	74	0	
Nebraska:									
Lincoln.....	60, 941	2	0	4	0	0	11	3	
Omaha.....	211, 768	0	2	1	0	0	2	7	
Kansas:									
Topeka.....	55, 411	8	0	0	0	0	26	1	
Wichita.....	88, 367	5	1	4	0	0	13	0	

City reports for week ended June 18, 1927—Continued

Division, State, and city	Population July 1, 1925, estimated	Chicken pox, cases reported	Diphtheria		Influenza		Measles, cases reported	Mumps, cases reported	Pneumonia, deaths reported
			Cases, estimated expectancy	Cases reported	Cases reported	Deaths reported			
SOUTH ATLANTIC									
Delaware:									
Wilmington.....	122,049	3	2	0	0	0	0	0	2
Maryland:									
Baltimore.....	796,296	49	15	39	5	1	2	5	12
Cumberland.....	33,741	1	0	0	0	0	2	2	0
Frederick.....	12,035	0	0	1	0	0	0	0	1
District of Columbia:									
Washington.....	497,906	15	8	17	1	0	2	0	6
Virginia:									
Lynchburg.....	30,395	12	1	0	0	0	12	3	0
Norfolk.....	(1)	2	0	2	0	0	3	0	2
Richmond.....	186,403	3	1	2	0	1	62	2	2
Roanoke.....	58,208	11	0	0	0	0	1	0	1
West Virginia:									
Charleston.....	49,019	0	0	1	2	1	6	0	0
Wheeling.....	56,208	5	0	0	0	0	3	0	1
North Carolina:									
Raleigh.....	30,371	4	0	0	0	0	52	0	0
Wilmington.....	37,061	1	1	0	0	0	53	1	1
Winston-Salem.....	69,031	0	0	0	0	1	123	17	1
South Carolina:									
Charleston.....	73,125	0	0	0	1	1	1	0	1
Columbia.....	41,225	4	0	0	0	0	28	1	1
Greenville.....	27,311	0	0	0	0	0	1	1	0
Georgia:									
Atlanta.....	(1)	2	1	1	8	1	9	5	3
Brunswick.....	16,809	0	0	0	0	0	0	5	0
Savannah.....	93,134	1	1	0	1	0	10	0	0
Florida:									
Miami.....	69,754	0	2	1	0	0	0	0	1
St. Petersburg.....	26,847	0	0	0	0	0	0	0	0
Tampa.....	94,743	0	1	2	0	0	13	0	0
EAST SOUTH CENTRAL									
Kentucky:									
Covington.....	58,309	0	1	1	0	0	0	0	0
Louisville.....	305,936	5	2	0	0	0	0	2	8
Tennessee:									
Memphis.....	174,533	2	1	0	0	0	6	0	5
Nashville.....	136,220	1	0	0	0	1	0	0	0
Alabama:									
Birmingham.....	205,670	3	0	7	2	0	16	2	1
Mobile.....	65,955	0	0	0	1	0	0	0	0
Montgomery.....	46,481	0	0	0	0	0	4	0	0
WEST SOUTH CENTRAL									
Arkansas:									
Fort Smith.....	31,643	0	1	0	0	0	2	0	0
Little Rock.....	74,216	0	0	0	0	0	15	0	3
Louisiana:									
New Orleans.....	414,493	0	5	4	3	3	5	0	11
Shreveport.....	57,857	0	0	2	0	0	5	0	2
Oklahoma:									
Tulsa.....	124,478	0	0	0	0	0	0	0	0
Texas:									
Dallas.....	194,450	0	2	5	0	0	26	0	4
Galveston.....	48,375	0	0	0	0	0	0	0	0
Houston.....	164,954	0	2	0	0	0	4	0	2
San Antonio.....	198,069	0	1	2	0	1	7	0	0
MOUNTAIN									
Montana:									
Billings.....	17,971	6	0	0	0	0	0	0	0
Great Falls.....	29,883	3	1	0	0	0	10	0	1
Helena.....	12,037	2	0	0	0	0	0	0	1
Missoula.....	12,668	0	0	0	0	0	2	0	2
Idaho:									
Boise.....	23,042	1	0	0	0	0	0	0	0

¹ No estimate made.

City reports for week ended June 18, 1927—Continued

Division, State, and city	Population July 1, 1925, estimated	Chicken pox, cases reported	Diphtheria		Influenza		Measles, cases reported	Mumps, cases reported	Pneumonia, deaths reported
			Cases, estimated expectancy	Cases reported	Cases reported	Deaths reported			
MOUNTAIN—continued									
Colorado:									
Denver.....	280,911	12	9	16	-----	1	24	3	7
Pueblo.....	43,787	3	1	1	0	0	0	0	1
New Mexico:									
Albuquerque.....	21,000	0	1	0	0	0	6	3	1
Utah:									
Salt Lake City.....	130,948	49	3	6	0	0	2	1	5
Nevada:									
Reno.....	12,665	0	0	0	0	0	0	0	0
PACIFIC									
Washington:									
Seattle.....	(1)	19	5	2	0	-----	210	17	-----
Spokane.....	108,897	14	2	5	0	-----	1	0	-----
Tacoma.....	104,455	3	2	1	0	0	34	0	2
Oregon:									
Portland.....	282,383	6	5	2	0	0	65	1	2
California:									
Los Angeles.....	(1)	23	37	27	2	0	75	12	18
Sacramento.....	72,260	18	3	0	0	0	10	4	3
San Francisco.....	557,530	57	18	9	1	0	41	72	6

Division, State, and city	Scarlet fever		Smallpox			Tuberculosis, deaths reported	Typhoid fever			Whooping cough, cases reported	Deaths, all causes
	Cases, estimated expectancy	Cases reported	Cases, estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
NEW ENGLAND											
Maine:											
Portland.....	1	0	0	0	0	0	1	4	0	3	12
New Hampshire:											
Concord.....	0	1	0	0	0	0	0	0	0	0	6
Manchester.....	0	0	0	0	0	0	0	0	0	0	15
Vermont:											
Barre.....	0	0	0	0	0	0	0	0	0	0	7
Burlington.....	0	0	0	0	0	0	0	0	0	2	-----
Massachusetts:											
Boston.....	41	69	0	0	0	17	2	0	0	0	215
Fall River.....	2	3	0	0	0	0	1	0	0	0	26
Springfield.....	3	1	0	0	0	0	3	0	0	0	25
Worcester.....	5	11	0	0	0	5	0	0	0	0	52
Rhode Island:											
Pawtucket.....	1	2	0	0	0	2	0	0	0	0	12
Providence.....	4	13	0	0	0	3	1	0	0	1	48
Connecticut:											
Bridgeport.....	6	3	0	0	0	2	0	0	0	1	21
Hartford.....	2	10	0	0	0	0	0	1	0	5	49
New Haven.....	3	1	0	0	0	1	0	0	0	5	34
MIDDLE ATLANTIC											
New York:											
Buffalo.....	15	14	0	0	0	2	0	1	0	14	128
New York.....	134	293	0	0	0	94	13	7	0	121	1,301
Rochester.....	10	6	0	0	0	6	1	1	0	11	65
Syracuse.....	5	6	0	0	0	2	0	0	0	17	51
New Jersey:											
Camden.....	3	10	0	0	0	2	0	0	0	0	31
Newark.....	15	24	0	0	0	7	0	1	0	28	87
Trenton.....	2	1	0	1	0	2	0	0	0	0	38
Pennsylvania:											
Philadelphia.....	50	86	0	0	0	24	4	2	0	23	444
Pittsburgh.....	23	13	0	0	0	10	1	0	0	13	164
Reading.....	1	1	0	0	0	0	0	0	0	2	23

1 No estimate made.

2 Pulmonary tuberculosis only.

City reports for week ended June 18, 1927—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuber- culosis, deaths re- ported	Typhoid fever			Whoop- ing cough, cases re- ported	Deaths, all causes
	Cases, estimated expectancy	Cases reported	Cases, estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
EAST NORTH CENTRAL											
Ohio:											
Cincinnati.....	8	20	2	5	0	8	1	2	0	5	111
Cleveland.....	22	29	1	0	0	18	1	0	0	23	189
Columbus.....	5	6	2	0	0	2	1	0	0	12	67
Toledo.....	9	18	1	1	0	2	0	0	0	35	65
Indiana:											
Fort Wayne.....	1	3	1	0	0	1	1	0	0	2	34
Indianapolis.....	6	11	8	20	0	7	1	0	0	18	86
South Bend.....	2	1	1	1	0	1	0	0	0	1	7
Terre Haute.....	2	0	0	0	0	0	0	0	0	0	15
Illinois:											
Chicago.....	70	96	2	1	0	47	3	2	0	92	671
Springfield.....	1	0	0	0	0	1	0	0	0	0	14
Michigan:											
Detroit.....	49	74	3	0	0	26	3	5	0	76	275
Flint.....	3	22	0	1	0	0	0	0	0	2	27
Grand Rapids.....	4	14	1	0	0	0	0	1	1	3	31
Wisconsin:											
Kenosha.....	0	6	1	0	0	0	0	1	0	4	6
Madison.....	1	2	0	0	0	0	0	0	0	6	4
Milwaukee.....	15	38	1	3	0	4	0	0	0	24	88
Racine.....	3	0	1	0	0	1	0	0	0	7	13
Superior.....	2	3	2	0	0	1	0	0	0	1	7
WEST NORTH CENTRAL											
Minnesota:											
Duluth.....	4	6	4	0	0	1	0	0	0	0	19
Minneapolis.....	21	28	7	0	0	7	0	2	0	1	96
St. Paul.....	16	17	3	0	0	3	0	0	0	7	45
Iowa:											
Davenport.....	0	2	3	0	0	0	0	0	0	0	47
Des Moines.....	4	5	3	2	0	2	0	0	0	0	0
Sioux City.....	1	0	2	0	0	0	0	0	0	1	0
Waterloo.....	1	0	0	0	0	0	0	0	0	0	0
Missouri:											
Kansas City.....	4	5	1	0	0	6	0	0	1	18	79
St. Joseph.....	0	1	0	10	0	1	0	0	0	0	15
St. Louis.....	18	15	2	3	0	9	2	1	0	41	196
North Dakota:											
Fargo.....	0	3	0	0	0	0	0	0	0	3	8
Grand Forks.....	0	1	1	0	0	0	0	0	0	0	0
South Dakota:											
Aberdeen.....	2	0	0	0	0	0	0	0	0	1	0
Sioux Falls.....	0	1	0	0	0	0	0	0	0	0	0
Nebraska:											
Lincoln.....	0	1	0	2	0	1	0	0	0	1	14
Omaha.....	3	6	5	1	0	2	0	0	0	1	55
Kansas:											
Topeka.....	1	0	1	0	0	1	0	0	0	12	12
Wichita.....	1	1	3	1	0	1	0	0	0	12	24
SOUTH ATLANTIC											
Delaware:											
Wilmington.....	3	0	0	0	0	0	0	0	0	0	18
Maryland:											
Baltimore.....	20	18	0	0	0	15	3	2	0	61	102
Cumberland.....	0	0	0	0	0	1	0	0	0	0	9
Frederick.....	0	0	0	0	0	0	0	0	0	0	2
District of Columbia:											
Washington.....	13	12	1	12	0	16	2	2	1	12	126
Virginia:											
Lynchburg.....	0	1	0	0	0	1	0	0	0	3	15
Norfolk.....	1	7	0	0	0	4	1	0	0	7	0
Richmond.....	1	0	0	0	0	2	1	1	0	0	39
Roanoke.....	1	0	0	2	0	0	1	0	0	2	12
West Virginia:											
Charleston.....	1	0	0	0	0	1	1	0	0	0	14
Wheeling.....	2	0	0	0	0	1	0	0	0	0	13
North Carolina:											
Raleigh.....	0	0	0	0	0	1	0	0	0	6	8
Wilmington.....	0	0	0	0	0	0	0	1	0	9	6
Winston-Salem.....	0	0	1	0	0	1	1	1	0	31	19

City reports for week ended June 18, 1927—Continued

Division, State, and city	Scarlet fever		Smallpox			Tuberculosis, deaths reported	Typhoid fever			Whooping cough, cases reported	Deaths, all causes
	Cases, estimated expectancy	Cases reported	Cases, estimated expectancy	Cases reported	Deaths reported		Cases, estimated expectancy	Cases reported	Deaths reported		
SOUTH ATLANTIC—continued											
South Carolina:											
Charleston.....	0	1	0	2	0	1	2	1	2	0	28
Columbia.....	0	0	0	0	0	0	2	0	0	4	7
Greenville.....	0	0	0	0	0	1	1	0	0	1	5
Georgia:											
Atlanta.....	3	5	3	3	0	7	2	5	3	2	63
Brunswick.....	0	0	0	0	0	0	0	0	0	0	4
Savannah.....	1	1	1	0	0	2	1	2	0	0	37
Florida:											
Miami.....	0	1	0	1	0	0	1	2	0	11	16
St. Petersburg.....	0	0	0	0	0	0	0	0	0	0	11
Tampa.....	0	0	0	1	0	1	0	0	0	0	13
EAST SOUTH CENTRAL											
Kentucky:											
Covington.....	0	1	0	1	0	0	0	0	0	0	16
Louisville.....	4	4	1	4	0	2	1	1	0	14	59
Tennessee:											
Memphis.....	2	5	1	1	0	6	1	6	0	0	65
Nashville.....	1	0	1	0	0	4	2	3	0	1	44
Alabama:											
Birmingham.....	1	3	4	5	0	3	3	5	0	16	62
Mobile.....	0	1	1	0	0	1	0	0	0	0	24
Montgomery.....	0	0	0	0	0	0	0	1	0	0	-----
WEST SOUTH CENTRAL											
Arkansas:											
Fort Smith.....	0	0	0	0	0	0	0	0	0	1	-----
Little Rock.....	1	0	0	0	0	4	1	0	0	3	-----
Louisiana:											
New Orleans.....	2	0	0	0	0	13	3	6	0	8	151
Shreveport.....	0	0	1	0	0	2	1	0	0	0	28
Oklahoma:											
Tulsa.....	2	2	1	1	0	0	1	1	0	4	-----
Texas:											
Dallas.....	1	1	1	0	0	1	1	1	0	0	39
Galveston.....	0	0	0	0	0	0	0	0	0	0	13
Houston.....	0	1	1	3	0	5	1	2	1	0	40
San Antonio.....	0	0	0	0	0	5	1	0	0	0	46
MOUNTAIN											
Montana:											
Billings.....	0	1	0	0	0	0	0	0	0	21	4
Great Falls.....	1	3	0	0	0	1	1	0	0	0	9
Helena.....	0	0	0	2	0	0	0	0	0	0	5
Missoula.....	0	3	0	0	0	0	0	0	0	0	6
Idaho:											
Boise.....	1	0	0	1	0	0	0	0	0	1	6
Colorado:											
Denver.....	8	39	0	0	0	13	0	1	0	1	86
Pueblo.....	1	21	0	0	0	0	0	0	0	0	10
New Mexico:											
Albuquerque.....	0	0	0	0	0	6	0	0	0	0	18
Utah:											
Salt Lake City.....	2	7	0	3	0	0	1	1	0	25	28
Nevada:											
Reno.....	0	0	0	0	0	0	0	0	0	0	3
PACIFIC											
Washington:											
Seattle.....	9	8	4	1	0	0	1	0	0	19	-----
Spokane.....	4	7	3	15	0	0	1	0	0	0	0
Tacoma.....	2	6	3	8	0	2	0	0	0	7	23
Oregon:											
Portland.....	6	3	7	5	0	5	0	5	0	2	50
California:											
Los Angeles.....	17	28	5	0	0	32	3	0	0	16	267
Sacramento.....	1	1	1	0	0	3	1	0	0	0	16
San Francisco.....	10	19	2	1	0	8	1	1	0	33	148

City reports for week ended June 18, 1927—Continued

Division, State, and city	Cerebrospinal meningitis		Lethargic encephalitis		Pellagra		Poliomyelitis (infantile paralysis)		
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases, estimated expectancy	Cases	Deaths
NEW ENGLAND									
Massachusetts:									
Boston.....	0	1	0	1	0	0	0	1	0
Fall River.....	0	0	0	0	0	0	0	1	0
Connecticut:									
Hartford.....	1	1	0	0	0	0	0	0	0
MIDDLE ATLANTIC									
New York:									
New York ¹	3	2	1	3	0	0	1	0	0
New Jersey:									
Newark.....	0	0	2	1	0	0	0	1	0
Pennsylvania:									
Philadelphia.....	0	0	0	0	2	2	0	0	0
EAST NORTH CENTRAL									
Ohio:									
Cleveland.....	2	1	1	0	0	0	0	0	0
Illinois:									
Chicago.....	7	4	0	0	0	0	1	0	0
Michigan:									
Detroit.....	2	0	2	0	0	0	0	0	0
Flint.....	0	1	0	0	0	0	0	0	0
Wisconsin:									
Milwaukee.....	4	1	0	0	0	0	0	0	0
WEST NORTH CENTRAL									
Minnesota:									
Duluth.....	1	0	0	0	0	0	0	0	0
Minneapolis.....	1	0	0	0	0	0	0	0	0
Kansas:									
Wichita.....	0	0	0	0	1	0	0	0	0
SOUTH ATLANTIC									
Georgia:									
Savannah ¹	0	0	0	0	0	1	0	0	0
Florida:									
Miami.....	0	0	0	0	1	0	0	0	0
EAST SOUTH CENTRAL									
Tennessee:									
Memphis.....	1	1	0	0	0	0	0	0	0
Nashville.....	0	0	0	0	1	1	0	0	0
Alabama:									
Birmingham.....	0	1	0	0	2	4	1	1	1
Mobile.....	0	0	0	0	0	2	0	0	0
WEST SOUTH CENTRAL									
Louisiana:									
New Orleans.....	1	1	0	0	1	1	0	1	0
Shreveport.....	0	0	0	0	0	3	0	0	0
Texas:									
Galveston.....	1	1	0	0	0	0	0	0	0
San Antonio.....	0	0	0	0	0	2	0	0	0
MOUNTAIN									
Montana:									
Missoula.....	1	0	0	0	0	0	0	0	0
PACIFIC									
Washington:									
Seattle.....	1	0	0	0	0	0	0	0	0
Oregon:									
Portland.....	1	0	0	1	0	0	0	0	0
California:									
Los Angeles.....	0	0	0	0	0	0	1	4	0
San Francisco.....	1	0	0	0	0	0	1	0	0

¹ Typhus fever: 1 case at New York, N. Y., and 5 cases and 1 death at Savannah, Ga.

The following table gives the rates per 100,000 population for 101 cities for the five-week period ended June 18, 1927, compared with those for a like period ended June 19, 1926. The population figures used in computing the rates are approximate estimates as of July 1, 1926 and 1927, respectively, authoritative figures for many of the cities not being available. The 101 cities reporting cases had estimated aggregate populations of approximately 30,445,000 in 1926 and 30,966,000 in 1927. The 95 cities reporting deaths had nearly 29,785,000 estimated population in 1926 and nearly 30,296,000 in 1927. The number of cities included in each group and the estimated aggregate populations are shown in a separate table below.

Summary of weekly reports from cities, May 15 to June 18, 1927—Annual rates per 100,000 population, compared with rates for the corresponding period of 1926¹

DIPHTHERIA CASE RATES

	Week ended—									
	May 22, 1926	May 21, 1927	May 29, 1926	May 28, 1927	June 5, 1926	June 4, 1927	June 12, 1926	June 11, 1927	June 19, 1926	June 18, 1927
101 cities.....	118	174	122	171	117	158	136	² 162	113	151
New England.....	78	153	80	160	78	160	68	132	78	118
Middle Atlantic.....	138	208	145	234	135	235	156	248	125	217
East North Central.....	118	160	108	145	119	124	146	126	131	142
West North Central.....	147	105	165	91	210	81	234	81	169	79
South Atlantic.....	71	111	95	145	47	127	60	² 124	67	118
East South Central.....	36	36	41	97	16	61	26	20	16	41
West South Central.....	47	50	64	84	56	67	47	46	43	55
Mountain.....	128	108	128	144	109	180	128	369	146	207
Pacific.....	163	105	158	196	131	128	158	126	102	115

MEASLES CASE RATES

101 cities.....	1,393	622	1,266	550	1,005	448	930	² 426	749	361
New England.....	1,073	416	1,061	434	726	313	658	457	493	406
Middle Atlantic.....	1,135	324	957	366	752	282	708	299	586	281
East North Central.....	1,215	493	1,189	373	1,067	324	1,026	296	1,003	261
West North Central.....	3,465	955	3,086	655	2,231	461	2,051	376	1,264	248
South Atlantic.....	1,645	1,544	1,529	1,364	1,203	1,005	1,093	² 851	818	694
East South Central.....	2,989	357	2,368	321	1,655	382	1,391	158	693	132
West South Central.....	142	629	112	466	86	503	125	424	77	268
Mountain.....	1,385	908	1,303	1,052	1,249	620	921	566	702	342
Pacific.....	688	1,217	798	1,063	691	1,097	589	1,139	597	971

SCARLET FEVER CASE RATES

101 cities.....	308	310	274	295	230	220	260	² 241	233	198
New England.....	288	432	257	365	248	288	255	323	203	265
Middle Atlantic.....	256	416	212	364	209	256	195	287	222	224
East North Central.....	341	268	337	302	245	212	333	247	273	216
West North Central.....	720	288	700	246	419	236	627	195	494	163
South Atlantic.....	194	101	158	121	188	78	158	² 110	130	82
East South Central.....	176	132	171	138	124	102	78	66	47	71
West South Central.....	172	34	116	25	163	21	86	34	69	8
Mountain.....	173	989	100	899	219	782	118	719	128	665
Pacific.....	292	168	179	209	169	186	236	204	214	181

SMALLPOX CASE RATES

101 cities.....	18	26	19	29	15	22	16	² 20	11	19
New England.....	0	0	0	0	0	0	0	0	0	0
Middle Atlantic.....	0	0	1	0	0	0	0	0	0	0
East North Central.....	18	37	13	49	9	33	12	21	10	21
West North Central.....	28	48	44	42	40	24	28	32	32	30
South Atlantic.....	24	36	28	40	34	33	37	² 20	30	36
East South Central.....	62	76	62	61	83	92	52	107	10	56
West South Central.....	95	17	99	29	43	17	34	8	26	13
Mountain.....	18	45	36	27	27	36	46	27	27	54
Pacific.....	51	71	32	84	24	60	54	92	24	65

¹ The figures given in this table are rates per 100,000 population, annual basis, and not the number of cases reported. Populations used are estimated as of July 1, 1926 and 1927, respectively.

² Greenville, S. C., not included.

Summary of weekly reports from cities, May 15 to June 18, 1927—Annual rates per 100,000 population, compared with rates for the corresponding period of 1926—Continued

TYPHOID FEVER CASE RATES

	Week ended—									
	May 23, 1926	May 21, 1927	May 20, 1926	May 28, 1927	June 5, 1926	June 4, 1927	June 12, 1926	June 11, 1927	June 19, 1926	June 18, 1927
	101 cities.....	11	10	10	9	9	13	12	11	11	13
New England.....	9	5	7	9	6	9	17	5	19	13
Middle Atlantic.....	7	6	5	6	9	5	6	6	9	6
East North Central.....	5	5	9	7	5	7	4	7	8	8
West North Central.....	8	6	4	4	8	12	6	14	10	6
South Atlantic.....	32	13	26	18	22	20	26	18	26	27
East South Central.....	10	56	31	31	10	61	57	41	31	62
West South Central.....	26	46	13	25	9	38	52	34	30	38
Mountain.....	9	9	0	18	9	9	9	0	0	18
Pacific.....	19	10	11	8	8	26	13	21	8	8

INFLUENZA DEATH RATES

95 cities.....	15	12	12	9	8	7	10	6	7	6
New England.....	12	14	9	9	2	2	12	0	9	2
Middle Atlantic.....	16	10	11	8	6	9	9	5	9	5
East North Central.....	18	12	11	4	8	4	10	4	3	5
West North Central.....	8	8	13	12	8	6	4	4	4	2
South Atlantic.....	11	11	11	13	8	17	6	9	4	9
East South Central.....	36	41	26	25	36	5	36	10	16	5
West South Central.....	22	26	9	26	13	17	18	26	22	17
Mountain.....	0	9	9	9	18	0	9	9	0	9
Pacific.....	4	0	11	3	4	3	0	7	4	0

PNEUMONIA DEATH RATES

95 cities.....	141	100	119	100	106	93	95	94	87	87
New England.....	144	100	123	144	116	116	101	86	87	107
Middle Atlantic.....	173	119	145	116	131	106	110	112	95	95
East North Central.....	183	104	107	85	98	79	87	93	74	86
West North Central.....	95	59	84	87	51	59	59	50	74	48
South Atlantic.....	149	145	110	96	79	110	96	85	112	61
East South Central.....	171	107	171	61	124	51	124	112	98	71
West South Central.....	84	103	102	90	93	82	88	103	66	95
Mountain.....	82	63	91	36	146	72	82	90	109	153
Pacific.....	53	121	64	100	67	97	67	83	74	100

* Greenville, S. C., not included.

Number of cities included in summary of weekly reports, and aggregate population of cities in each group, approximated as of July 1, 1926 and 1927, respectively

Group of cities	Number of cities reporting cases	Number of cities reporting deaths	Aggregate population of cities reporting cases		Aggregate population of cities reporting deaths	
			1926	1927	1926	1927
			Total.....	101	95	30,448,800	36,966,700	29,793,700	36,295,900
New England.....	12	12	2,211,000	2,245,900	2,211,000	2,245,900
Middle Atlantic.....	10	10	10,457,000	10,567,000	10,457,000	10,567,000
East North Central.....	16	16	7,650,200	7,810,600	7,650,200	7,810,600
West North Central.....	12	10	2,585,500	2,626,600	2,478,600	2,519,000
South Atlantic.....	21	20	2,790,800	2,878,100	2,757,700	2,858,700
East South Central.....	7	7	1,008,300	1,023,500	1,008,300	1,023,500
West South Central.....	8	7	1,213,600	1,242,300	1,181,500	1,216,400
Mountain.....	9	9	572,100	583,600	572,100	583,600
Pacific.....	6	4	1,046,400	1,991,700	1,475,300	1,612,900

FOREIGN AND INSULAR

THE FAR EAST

Report for week ended June 4, 1927.—The following report for the week ended June 4, 1927, was transmitted by the Eastern Bureau of the Health Section of the Secretariat of the League of Nations, located at Singapore, to the headquarters at Geneva:

Maritime towns	Plague		Cholera		Small-pox		Maritime towns	Plague		Cholera		Small-pox	
	Cases	Deaths	Cases	Deaths	Cases	Deaths		Cases	Deaths	Cases	Deaths	Cases	Deaths
Ceylon: Colombo.....	3	3	0	0	0	0	French Indo-China:						
British India:							Saigon and Cholon..	0	0	2	2	0	1
Karachi.....	0	0	0	1	3	2	Tourane.....	0	0	1	1	0	0
Bombay.....	2	2	1	31	25		Haiphong.....	0	0	37	37	0	0
Vizagapatam.....	0	0	0	1	1		China:						
Calcutta.....	0	0	39	38	31		Tientsin.....	0	0	0	0	1	0
Madras.....	0	0	0	2	0		Hong Kong.....	0	0	0	0	6	6
Negapatam.....	0	0	5	1	0		Manchuria: Changchun..	0	0	0	0	1	0
Rangoon.....	2	2	1	23	7		Kwantung: Port Arthur..	0	0	0	0	1	0
Siam: Bangkok.....	0	0	3	1	0		Egypt: Alexandria.....	1	0	0	0	0	1

Telegraphic reports from the following maritime towns indicated that no case of plague, cholera, or smallpox was reported during the week:

ASIA

Arabia.—Jeddah, Perim, Kamaran, Aden.
Iraq.—Basra.
Persia.—Mohammerah, Bender-Abbas, Bushire, Lingah.
British India.—Chittagong, Cochin, Tuticorin, Moulmein, Bassein.
Portuguese India.—Nova Goa.
Federated Malay States.—Port Swettenham.
Straits Settlements.—Penang, Singapore.
Dutch East Indies.—Batavia, Sahang, Belawan-Deli, Pontianak, Semarang, Samarinda, Menado, Cheribon, Makassar, Balikpapan, Tarakan, Padang.
Sarawak.—Kuching.
British North Borneo.—Sandakan, Jesselton, Kudat, Tawao.
Portuguese Timor.—Dilly.
Philippine Islands.—Manila, Iloilo, Jolo, Cebu, Zamboanga.
China.—Amoy, Shanghai.
Macao.
Formosa.—Keelung, Takao.
Chosen.—Chemulpo, Fusan.
Manchuria.—Yingkow, Antung, Mukden, Harbin.
Kwantung.—Dairen.
Japan.—Yokohama, Nagasaki, Niigata, Shin-osaki, Moji, Tsuruga, Kobe, Osaka, Hakodate.

AUSTRALASIA AND OCEANIA

Australia.—Adelaide, Melbourne, Sydney, Brisbane, Rockhampton, Townsville, Port Darwin,

Broome, Fremantle, Carnarvon, Thursday Island, Cairns.
New Guinea.—Port Moresby.
New Britain Mandated Territory.—Rabaul and Kokopo.
New Zealand.—Auckland, Wellington, Christchurch, Invercargill, Dunedin.
Samoa.—Apia.
New Caledonia.—Noumea.
Fiji.—Suva.
Hawaii.—Honolulu.
Society Islands.—Papeete.

AFRICA

Egypt.—Port Said, Suez.
Anglo-Egyptian Sudan.—Port Sudan, Suakin.
Eritrea.—Massaua.
French Somaliland.—Djibouti.
British Somaliland.—Berbera.
Italian Somaliland.—Mogadiscio.
Zanzibar.—Zanzibar.
Kenya.—Mombasa.
Tanganyika.—Dar-es-Salaam.
Seychelles.—Victoria.
Portuguese East Africa.—Mozambique, Beira, Lourenco-Marques.
Union of South Africa.—East London, Port Elizabeth, Cape Town, Durban.
Reunion.—Saint Denis.
Mauritius.—Port Louis.
Madagascar.—Majunga, Tamatave, Diego-Suarez.

AMERICA

Panama.—Colon, Panama.

Reports had not been received in time for publication from:

Dutch East Indies.—Palembang, Bandjermasin, Surabaya.

China.—Canton.

Union of Socialist Soviet Republics.—Vladivostok.

CANADA

Communicable diseases—Week ended June 11, 1927.—The Canadian Ministry of Health reports cases of certain communicable diseases in six Provinces of Canada for the week ended June 11, 1927, as follows:

Disease	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Total
Cerebrospinal fever.....				1	2		3
Influenza.....	7					2	9
Lethargic encephalitis.....				1			1
Smallpox.....				17	1		18
Typhoid fever.....	1	1	157	18	2		179

Communicable diseases—Week ended June 18, 1927.—The Canadian Ministry of Health reports cases of certain communicable diseases in seven Provinces of Canada for the week ended June 18, 1927, as follows:

Disease	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	Total
Cerebrospinal fever.....				1				1
Influenza.....	4							4
Smallpox.....				17	5	13	15	50
Typhoid fever.....	1	3	106	8	3	1	1	123

Vital statistics—Quebec—April, 1927.—Births and deaths in the Province of Quebec for the month of April, 1927, were reported as follows:

Estimated population.....	2,604,000	Deaths from—Continued.	
Births.....	6,921	Diphtheria.....	44
Birth rate per 1,000 population.....	31.89	Heart disease.....	363
Deaths.....	3,169	Influenza.....	80
Death rate per 1,000 population.....	14.60	Measles.....	38
Deaths under 1 year.....	835	Pneumonia.....	277
Infant mortality rate.....	120.64	Poliomyelitis (infantile paralysis)....	4
Deaths from—		Scarlet fever.....	14
Accidents (all).....	52	Syphilis.....	10
Cancer.....	131	Tuberculosis (pulmonary).....	267
Cerebrospinal meningitis.....	8	Tuberculosis (other forms).....	62
Diabetes.....	26	Typhoid fever.....	196
Diarrhea.....	160	Whooping cough.....	45

Typhoid fever—Montreal—January 2—June 25, 1927.—The following table gives the cases of typhoid fever and deaths from this disease reported at Montreal, Quebec, Canada, since January 1, 1927:

Week ended—	Cases	Deaths	Week ended—	Cases	Deaths
Jan. 8, 1927.....	3	1	Apr. 9, 1927.....	386	40
Jan. 15, 1927.....	4	3	Apr. 16, 1927.....	176	38
Jan. 22, 1927.....	1	2	Apr. 23, 1927.....	125	43
Jan. 29, 1927.....	3	1	Apr. 30, 1927.....	105	22
Feb. 5, 1927.....	1	0	May 7, 1927.....	106	19
Feb. 12, 1927.....	0	0	May 14, 1927.....	367	16
Feb. 19, 1927.....	1	2	May 21, 1927.....	770	26
Feb. 26, 1927.....	1	1	May 28, 1927.....	353	38
Mar. 5, 1927.....	9	1	June 4, 1927.....	239	37
Mar. 12, 1927.....	203	4	June 11, 1927.....	128	36
Mar. 19, 1927.....	383	14	June 18, 1927.....	87	—
Mar. 26, 1927.....	568	22	June 25, 1927.....	75	22
Apr. 2, 1927.....	640	48			

HAWAII TERRITORY

Plague—Honokaa—May, 1927.—During the month of May, 1927, 2 fatal cases of plague were reported at Honokaa, Hawaii. The deaths occurred on May 17 and 23, respectively.

Rodent operations.—8,152 rodents were taken on the Island of Hawaii during the month and none found plague infected.

SCOTLAND

Vital statistics—January 1—March 31, 1927.—Births and deaths in Scotland for the period from January 1 to March 31, 1927, were reported as follows:

Estimated population.....	4,894,700	Deaths from—Continued.	
Births.....	24,771	Diseases of the heart.....	2,181
Birth rate per 1,000 population (annual basis).....	20.5	Dysentery.....	6
Deaths.....	19,445	Influenza (without complications).....	256
Death rate per 1,000 population (annual basis).....	16.4	Influenza (with other causes).....	1,018
Deaths under 1 year.....	2,727	Lethargic encephalitis.....	25
Deaths under 1 year per 1,000 births.....	110	Malaria.....	2
Deaths from—		Measles.....	66
Automobile accidents.....	90	Nephritis.....	495
Bronchitis.....	1,576	Paratyphoid fever.....	2
Bronchopneumonia.....	1,116	Pneumonia.....	911
Cancer.....	1,671	Poliomyelitis.....	4
Cerebrospinal fever.....	30	Puerperal sepsis.....	58
Diabetes.....	121	Scarlet fever.....	42
Diarrhea and enteritis (under 2 years).....	149	Tuberculosis (pulmonary).....	924
Diphtheria.....	152	Tuberculosis (other forms).....	397
		Typhoid fever.....	3
		Typhus fever.....	1
		Whooping cough.....	269

SENEGAL

Plague—Yellow fever—May 23—29, 1927.—During the week ended May 29, 1927, 25 cases of plague with 10 deaths were reported in Senegal, of which two cases occurred in the district of Thies and 23 cases with 10 deaths in three localities in the vicinity of Rufisque.

On May 27, 1927, three fatal cases of yellow fever were reported in Senegal, of which one case occurred at M'Bour and two cases at Tivaouane.

UNION OF SOUTH AFRICA

Plague—Cape Province—May 8-14, 1927.—During the week ended May 14, 1927, a fatal case of plague was reported in Maraisburg district, Cape Province, occurring in a native on Rietfontein Farm.

Typhus fever—April, 1927.—During the month of April, typhus fever was reported as follows: Cases, 55; deaths, 8, occurring in the native population and distributed as follows: Cape Province—cases, 42; deaths, 5. Natal—cases, 7; deaths, 3. Orange Free State—cases, 5; Transvaal—1 case. Two cases were reported in Europeans. During the week ended May 14, 1927, outbreaks of typhus fever were reported in the Cape Province and the Orange Free State.

Cape Town—Communicable diseases—April 2-29, 1927.—Communicable diseases were reported at Cape Town, Cape Province, during the four weeks ended April 29, 1927, as follows:

Disease	Cases	Deaths	Disease	Cases	Deaths
Cerebrospinal meningitis.....	2	2	Pneumonia.....	32	24
Diarrhoea and enteritis.....		49	Scarlet fever.....	14	
Diphtheria.....	18	1	Tuberculosis.....	85	40
Influenza.....	10	5	Typhoid fever.....	24	1
Measles.....		2			

YUGOSLAVIA

Communicable diseases—May, 1927.—During the month of May, 1927, communicable diseases were reported in Yugoslavia as follows:

Disease	Cases	Deaths	Disease	Cases	Deaths
Anthrax.....	22	1	Measles.....	1,790	36
Cerebrospinal meningitis.....	13	3	Scarlet fever.....	505	95
Diphtheria.....	104	14	Tetanus.....	25	16
Dysentery.....	22		Typhoid fever.....	132	17
Influenza.....	138	2	Typhus fever.....	4	
Lethargic encephalitis.....	2	1	Whooping cough.....	233	5

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

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

Reports Received During Week Ended July 8, 1927¹

CHOLERA

Place	Date	Cases	Deaths	Remarks
China:				
Swatow.....	May 15-21.....	5	3	
India:				
Rangoon.....	May 8-14.....	2	1	
Siam:				
Bangkok.....	May 8-14.....	4	1	May 8-14, 1927: Cases, 19; deaths, 11. Apr. 1-May 14, 1927: Cases, 445; deaths, 307.

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

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

Reports Received During Week Ended July 8, 1927—Continued

PLAGUE

Place	Date	Cases	Deaths	Remarks
Ceylon:				
Colombo.....	May 8-14.....	2		Plague rats, 3.
Greece:				
Patras.....	June 5-11.....	1		
Hawaii:				
Hanokaa.....	May, 1927.....	2	2	
India:				
Rangoon.....	May 8-14.....	2	3	Apr. 24-May 7, 1927: Cases, 2,702; deaths, 2,068.
Java:				
Batavia.....	May 8-14.....	18	18	Province.
East Java and Madura— Surabaya.....	Apr. 24-30.....	10	9	
Senegal:				
Rufisque.....	May 23-29.....	23	10	May 23-29, 1927: Cases, 25; deaths, 10.
Thies District.....	do.....	2		In vicinity, at 3 localities.
Siam:				
Bangkok.....	May 8-14.....	1	1	May 8-14, 1927: Cases, 1; deaths, 1. Apr. 1-May 14, 1914: Cases, 8; deaths, 7.
Union of South Africa:				
Cape Province— Maraisburg District.....	do.....	1	1	Native.

SMALLPOX

Place	Date	Cases	Deaths	Remarks
Brasil:				1927
Rio de Janeiro.....	May 22-28.....	1		
Canada:				
Alberta.....	June 5-18.....			Cases, 68.
Calgary.....	June 12-18.....	3		June 12-18, 1927: Cases, 15.
Manitoba.....	June 12-18.....			June 5-18, 1927: Cases, 6.
Winnipeg.....	June 18-24.....	1		
Ontario.....	June 19-25.....	6		June 5-18, 1927; Cases, 34.
Ottawa.....	June 12-18.....	13		
Saskatchewan.....	June 12-18.....			
China:				
Chefoo.....	May 8-14.....			Present.
Foochow.....	do.....			Do.
Manchuria— Dairen.....	May 2-8.....	3	3	
Tientsin.....	May 8-21.....	7		
India:				
Karachi.....	May 22-28.....		2	
Rangoon.....	May 8-14.....	14	5	Apr. 24-May 7, 1927: Cases, 16,616; deaths, 4,005.
Java:				
Batavia.....	May 8-14.....	1		Province.
East Java and Madura— Surabaya.....	Apr. 24-30.....	1		
Latvia.....				Apr. 1-30, 1927: 1 case.
Siam:				
Bangkok.....	May 8-14.....	2	1	May 8-14, 1927: Cases, 11; deaths, 2.

TYPHUS FEVER

Place	Date	Cases	Deaths	Remarks
Latvia.....				Apr. 1-30, 1927: Cases, 12.
Palestine.....				May 24-June 6, 1927: Cases, 3.
Haifa.....	May 24-June 6.....	2		
Safed.....	May 24-30.....	1		
Union of South Africa:				
Do.....	May 8-14.....			April, 1927: Cases, 55; deaths, 8. Native. In Europeans, cases, 2.
Cape Province.....	May 8-14.....			Outbreaks. April, 1927: Cases, 42; deaths, 5. Native.
Do.....	May 8-14.....			Outbreaks. April, 1927: Cases, 7; deaths, 3. Native.
Natal.....	May 8-14.....			

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

Reports Received During Week Ended July 8, 1927—Continued

TYPHUS FEVER—Continued

Place	Date	Cases	Deaths	Remarks
Union of South Africa—Contd.				
Orange Free State.....				April, 1927: Cases, 5. Native.
Do.....	May 8-14.....			Outbreaks.
Transvaal.....				April, 1927: Cases, 1. Native.
Yugoslavia.....				May, 1927: Cases, 4.

YELLOW FEVER

Senegal.....				May 27, 1927: Cases, 3.
M'Bour.....	May 27.....	1	1	
Tivaouane.....	do.....	2	2	

Reports Received from June 25 to July 1, 1927¹

CHOLERA

Place	Date	Cases	Deaths	Remarks
India.....				Apr. 17-23, 1927: Cases, 5,949; deaths, 3,226.
Bombay.....	May 8-14.....	1		
Calcutta.....	do.....	119	86	
Indo-China (French):				
Saigon.....	Apr. 30-May 6....	54	37	Including Cholera.
Siam.....				May 1-7, 1927: Cases, 32; deaths, 16.
				Apr. 1-May 7, 1927: Cases, 426; deaths, 296.
Bangkok.....	May 1-7.....	9	1	

PLAGUE

Ceylon:				
Colombo.....	May 1-7.....	1	1	
Egypt:				May 21-27, 1927: Cases, 1. Total from Jan. 1-May 27, 1927: Cases, 40; corresponding period, 1926: Cases, 43.
Panta District.....	May 21-27.....	1		
Greece:				
Patras.....	May 30-June 5.....	1		Apr. 17-23, 1927: Cases, 2,189; deaths, 1,480.
India:				
Bombay.....	May 8-14.....	25	23	
Java:				
Batavia.....	May 1-7.....	16	16	Province.
East Java and Madura—				
Paseroean Residency..	May 9.....			Outbreak reported at Ngadiwono.
Surabaya.....	Apr. 17-23.....	11	12	Mar. 16-31, 1927: Cases, 96; deaths, 86. Bubonic, 42; pneumonic, 21; septicemic, 33, cases.
Madagascar:				Bubonic, 11; pneumonic, 1; septicemic, 3.
Province—				Septicemic.
Ambositra.....	Mar. 16-31.....	15	10	Bubonic, 3; pneumonic, 9; septicemic, 15.
Antsirabe.....	do.....	1	1	Bubonic, 3; pneumonic, 9; septicemic, 15.
Miarinarivo (Itasy)....	do.....	27	27	Bubonic, 24; pneumonic, 11; septicemic, 8.
Moramanga.....	do.....	6	6	Bubonic, 1; septicemic, 3.
Tananarive.....	do.....	43	38	Bubonic, 24; pneumonic, 11; septicemic, 8.
Tananarive Town.....	do.....	4	4	Bubonic, 1; septicemic, 3.
Siam.....				Apr. 1-May 7, 1927: Cases, 7; deaths, 6.
Tunisia.....	Reported May 20..	15		In districts of Sfax and Susa.
Turkey:				
Constantinople.....	May 13-19.....	1		
Union of South Africa:				
Cape Province—				
Maraisburg District....	May 1-7.....	1	1	Native.

¹ From Medical officers of the Public Health Service, American consuls, and other sources. For reports received from January 2 to June 24, 1927, see Public Health Reports for June 24, 1927. The tables of epidemic diseases are terminated semiannually and new tables begun.

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

Reports Received from June 25 to July 1, 1927—Continued

SMALLPOX

Place	Date	Cases	Deaths	Remarks
Algeria:				
Algiers.....	May 11-20.....	4		
Oran.....	May 21-31.....	15		
British South Africa:				
Northern Rhodesia.....	Apr. 30-May 6....	1		Native.
Canada:				
British Columbia—				
Vancouver.....	May 23-29.....	2		
Manitoba—				
Winnipeg.....	June 12-18.....	4		
Ontario—				
Ottawa.....	.....do.....	4		
China:				
Amoy.....	May 8-14.....	1		
Hong Kong.....	.....do.....	4	2	
Manchuria—				
Supingkal.....	.....do.....	1		
Chosen:				
Chinnampo.....	Apr. 1-30.....	1		
Fusan.....	.....do.....	1		
Seishin.....	.....do.....	1		
Egypt:				
Alexandria.....	May 21-27.....	3	1	
Great Britain:				
England and Wales.....	May 22-June 4....			Cases, 520.
London.....	May 15-21.....	1		
Scotland—				
Dundee.....	May 29-June 4....	3		
India:				
Bombay.....	May 8-14.....	58	33	Apr. 17-23, 1927: Cases, 8,604;
Calcutta.....	.....do.....	64	47	deaths, 1,956.
Karachi.....	May 15-21.....	4	1	
Mexico:				
San Luis Potosi.....	May 29-June 4....		2	
Tampico.....	June 1-10.....	1	1	
Netherlands India:				
Borneo—				
Holoe Soengei.....	Apr. 21.....			Epidemic in two localities.
Persia:				
Teheran.....	Feb. 21-Mar. 21..		1	
Poland:				
.....	Apr. 10-16.....	1		
Portugal:				
Lisbon.....	May 29-June 4....	3		
Siam:				
Bangkok.....	May 1-7.....	2	2	May 1-7, 1927: Cases, 6; deaths, 3.
Spain:				
Valencia.....	May 29-June 4....	2		
Union of South Africa:				
Transvaal—				
Barberton District.....	May 1-7.....			Outbreaks.

TYPHUS FEVER

Algeria:				
Algiers.....	May 11-20.....	9		
Oran.....	May 21-31.....	4		
Chosen:				
Seoul.....	Apr. 1-30.....	1		
Czechoslovakia:				
.....				Apr. 1-30, 1927: Cases, 21.
Egypt:				
Alexandria.....	May 21-27.....	1		
Estonia:				
.....				Apr. 1-30, 1927: Case, 1.
Mexico:				
Mexico City.....	May 29-June 4....	2		Including municipalities in Federal District.
Palestine:				
Mah'naim.....	May 17-23.....	1		In Safad District.
Safad.....	.....do.....	1		
Portugal:				
Lisbon.....	May 29-June 4....	1		
Turkey:				
Constantinople.....	May 13-19.....		2	
Union of South Africa:				
Cape Province—				
Glen Grey District.....	May 1-7.....			Outbreaks.
Qumbu District.....	.....do.....			Do