

1945

## SUMMARY OF VITAL STATISTICS

DEPARTMENT OF HEALTH, CITY OF NEW YORK

BUREAU OF RECORDS AND STATISTICS—STATISTICAL DIVISION

Population, Births, Marriages, Deaths and Infant Mortality, 1898-1945

YEAR	Estimated Population July 1	LIVE BIRTHS*		MARRIAGES		DEATHS		FETAL DEATHS		INFANT MORTALITY	
		Total Re- ported	Rate per 1,000	Total Re- ported	Rate Per 1,000	Total Re- ported	Rate per 1,000	Total Re- ported	Ratio to 1,000 Live Births	Deaths Under One Year	Rate per 1,000 Live Births
1898.....	3,272,000	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899.....	3,357,000	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900.....	3,446,000	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901.....	3,554,000	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902.....	3,666,000	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903.....	3,781,000	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904.....	3,901,000	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905.....	4,026,000	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906.....	4,167,000	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907.....	4,314,000	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908.....	4,469,000	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909.....	4,632,000	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910.....	4,785,000	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911.....	4,873,000	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912.....	4,961,000	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913.....	5,049,000	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914.....	5,137,000	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915.....	5,225,000	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916.....	5,312,000	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917.....	5,400,000	141,564	26.2	59,210	11.0	78,575	14.6	6,117	45.2	12,568	88.8
1918.....	5,488,000	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919.....	5,576,000	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920.....	5,684,000	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921.....	5,812,000	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922.....	5,939,000	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923.....	6,067,000	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924.....	6,195,000	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925.....	6,323,000	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926.....	6,451,000	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927.....	6,579,000	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928.....	6,707,000	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929.....	6,835,000	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930.....	6,944,000	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931.....	6,996,000	115,621	16.5	61,574	8.8	77,418	11.1	5,579	48.3	6,427	55.6
1932.....	7,048,000	109,878	15.6	58,957	8.4	74,319	10.5	5,396	49.1	5,594	50.9
1933.....	7,101,000	103,500	14.6	60,116	8.5	75,153	10.6	5,347	51.7	5,508	53.2
1934.....	7,153,000	101,239	14.2	67,347	9.4	75,857	10.6	5,070	50.1	5,287	52.2
1935.....	7,206,000	100,657	14.0	68,372	9.5	75,057	10.4	4,902	48.7	4,790	47.6
1936.....	7,258,000	98,507	13.6	72,234	10.0	77,638	10.7	4,992	50.7	4,490	45.6
1937.....	7,311,000	101,988	13.9	69,417	9.5	77,465	10.6	4,847	47.5	4,457	43.7
1938.....	7,363,000	102,045	13.9	63,493	8.6	73,775	10.0	4,995	48.9	3,910	38.3
1939.....	7,416,000	102,261	13.8	62,288	8.4	75,439	10.2	6,831	66.8	3,793	37.1
1940.....	7,468,000	107,287	14.4	78,487	10.5	76,008	10.2	7,986	74.4	3,746	34.9
1941.....	7,521,000	114,367	15.2	83,012	11.0	74,553	9.9	8,974	78.5	3,519	30.8
1942.....	7,573,000	131,989	17.4	81,454	10.8	75,674	10.0	10,013	75.9	3,805	28.8
1943.....	7,625,000	134,520	17.6	76,059	10.0	83,174	10.9	9,508	70.7	4,069	30.2
1944.....	7,678,000	122,748	16.0	67,315	8.8	78,783	10.3	9,987	81.4	3,829	31.2
1945.....	7,730,000	128,853	16.7	72,589	9.4	79,726	10.3	10,367	80.5	3,918	30.4

\* 1898-1913 birth figures are estimated, as the number actually reported was undoubtedly incomplete.

## Births, Deaths, Maternal Deaths and Fetal Deaths, by Borough of Report, 1945

BOROUGH	Estimated Population July 1	LIVE BIRTHS	DEATHS	FETAL DEATHS	MATERNAL DEATHS		
					Number	Rate per 10,000	
						Live Births*	Total Births*
Manhattan .....	1,902,000	39,678	28,298	3,513	76	19.2	17.6
The Bronx .....	1,463,000	18,355	12,752	1,819	33	18.0	16.4
Brooklyn .....	2,770,000	50,774	25,539	3,619	67	13.2	12.3
Queens .....	1,412,000	16,454	10,283	1,266	23	14.0	13.0
Richmond .....	183,000	3,592	2,854	150	6	16.7	16.0
City of New York .....	7,730,000	128,853	79,726	10,367	205	15.9	14.7

\* Live births and fetal deaths.

Recorded Births, Fetal Deaths, and Deaths by Borough of Residence  
City of New York, 1945

	Total Recorded In New York City	Known Residents By Borough of Residence					Known Non- Residents of City	Perma- nent Res. Un- known
		Man- hattan	Bronx	B'klyn	Queens	Rich'd		
Live births.....	128,853	24,363	23,931	47,721	24,101	3,203	5,014	520
Rate per 1,000 population.....	16.7	12.8	16.4	17.2	17.1	17.5		
Fetal deaths (stillbirths)*.....	10,367	2,372	2,125	3,488	1,684	144	463	91
Rate per 1,000 total births.....	74.5	88.7	81.6	68.1	65.3	43.0		
Deaths under one year.....	3,918	915	677	1,387	643	85	185	26
Rate per 1,000 live births.....	30.4	37.6	28.3	29.1	26.7	26.5		
Deaths under one month.....	2,850	631	533	961	493	73	134	25
Rate per 1,000 live births.....	22.1	25.9	22.3	20.1	20.5	22.3		
Deaths from all causes.....	79,726	22,488	12,905	25,997	12,433	1,994	3,447	462
Death rate per 1,000 population.....	10.3	11.8	8.8	9.4	8.8	10.9		
1. Typhoid and paratyphoid fevers.....	11	6	1	2			2	
2. Plague.....								
3. Scarlet fever.....	6	2	1	1			2	
4. Whooping cough.....	35	10	7	14	4			
5. Diphtheria.....	15	4	1	3	1		5	1
6. Pulmonary tuberculosis.....	3,211	1,362	440	834	365	55	108	47
7. Other tuberculosis.....	302	122	43	80	30		24	3
8. Malaria.....	4	2		1		1		
9. Syphilis.....	751	332	80	188	93	13	35	10
10. Influenza.....	73	17	14	23	14	1	4	
11. Smallpox.....								
12. Measles.....	3	1			1	1		
13. Typhus fever.....	1		1					
14. Other infectious diseases.....	451	124	62	145	55	8	57	
(a) Meningococcus meningitis.....	102	32	9	38	12	4	7	
(b) Acute poliomyelitis.....	39	6	6	11	6		10	
(c) Epidemic encephalitis.....	63	17	14	22	3	2	5	
15. Cancer.....	13,978	3,734	2,332	4,283	2,278	315	1,010	26
16. Non-malignant tumors.....	344	90	61	87	55	4	46	1
17. Chronic rheumatism, gout.....	51	14	13	12	4	3	5	
18. Diabetes.....	3,112	732	575	1,193	458	83	67	4
19. Alcoholism.....	303	149	16	62	36	5	14	21
20. Avitaminoses, other general diseases and chronic poisonings.....	925	237	135	315	130	18	88	2
21. Simple meningitis and spinal cord diseases.....	222	72	39	65	32	2	12	
22. Intracranial lesions of vascular origin.....	3,630	1,074	614	1,119	588	127	102	6
23. Other diseases of the nervous system and sense organs.....	415	97	69	137	76	8	27	1
24. Diseases of the heart.....	30,761	8,224	5,048	10,932	4,886	805	755	111
25. Other diseases of the circulatory system.....	1,391	456	231	391	223	47	34	9
26. Bronchitis.....	106	27	23	34	15	3	4	
27. The pneumonias.....	3,053	887	467	1,069	431	84	91	24
(a) Bronchopneumonia.....	1,459	384	248	549	194	38	41	5
(b) Lobar pneumonia.....	1,584	499	218	517	235	46	50	19
28. Other respiratory diseases (except tuberculosis).....	289	98	38	63	60	8	19	3
29. Diarrhea and enteritis.....	325	86	58	130	29	5	17	
(a) Diarrhea and enteritis under 2 years.....	248	68	39	108	23	2	8	
30. Appendicitis.....	378	84	73	118	78	13	12	
31. Diseases of the liver and biliary passages.....	1,644	554	259	433	252	40	95	11
32. Other digestive diseases.....	1,581	430	272	490	255	37	93	4
33. Nephritis, all forms.....	2,819	693	446	962	512	92	103	11
34. Other diseases of urinary and genital systems.....	875	220	134	280	155	18	64	4
35. Puerperal infection.....	81	25	12	25	16	1	2	
36. Other puerperal causes.....	124	26	26	37	22	5	8	
37. Diseases of the skin and bones.....	93	26	21	28	8	4	6	
38. Diseases of early infancy.....	3,108	705	563	1,056	533	75	166	10
39. Old age.....	17	7	4		2	4		
40. Suicide.....	888	283	158	218	162	15	47	5
41. Homicide.....	317	161	31	69	15	2	20	19
42. Motor vehicle accidents.....	657	191	91	180	113	23	53	6
43. Other accidents**.....	3,351	1,120	445	910	441	68	248	119
44. Causes not known or ill-defined.....	25	4	1	8	5	1	2	4

Numbers at left are those of Abridged International List, 1938 revision.

\*Stillbirths and reported abortions.

\*\*Includes 13 deaths of military personnel during operations of war.



**Age Specific Death Rates, Per 1,000 Population  
City of New York, 1900-1940**

Age	1901-'02-'03		1909-'10-'11		1919-'20*		1929-'30-'31		1939-'40-'41	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
0-4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8
5-9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8
10-14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7
15-19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1
20-24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6
25-29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0
30-34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4
35-39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2
40-44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8
45-49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5	11.2	7.4
50-54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5
55-59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5
60-64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8
65-69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8
70-74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5
75-79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3
80-84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2

\* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.

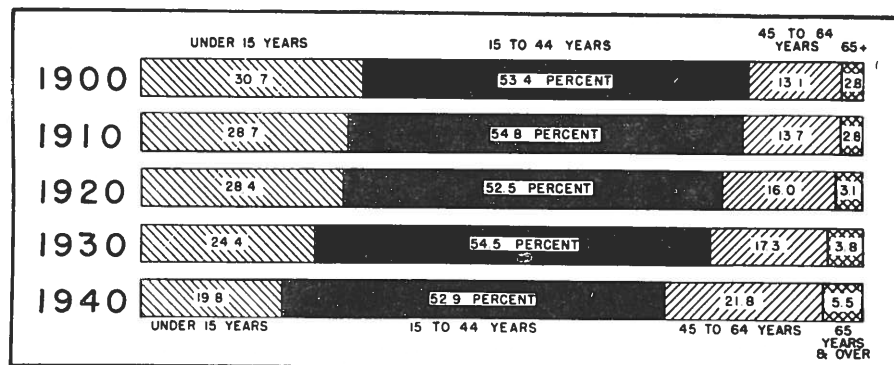
**Standardized Death Rates\* Per 100,000 Population  
City of New York, 1900-1940**

Cause of Death	Int. List Nos.	1901-'02-'03	1909-'10-'11	1919-'20	1929-'30-'31	1939-'40-'41
Pulmonary tuberculosis.....	(13)	204.3	172.2	126.6	63.6	40.0
Other forms tuberculosis.....	(14-22)	35.4	30.3	23.7	11.3	5.0
Influenza & pneumonia.....	(33, 107-109)	281.3	259.7	293.8	164.2	52.8
Cancer.....	(45-55)	83.2	94.8	101.7	116.7	125.1
Diabetes.....	(61)	16.6	19.3	19.9	26.3	31.2
Appendicitis.....	(121)	12.3	13.1	13.4	16.1	8.8
Nephritis.....	(130-132)	182.7	142.9	107.5	47.4	37.9
Diseases of circulatory system....	(90-103)	193.6	299.0	325.6	376.2	303.0
Total degenerative diseases.....	(83a, 90-103, 130-132)	469.6	467.5	450.4	433.1	370.5
Total accidents.....	(169-195)	94.2	82.1	70.5	71.7	47.0
Auto accidents.....	(170)	†	†	15.1	20.5	11.1
Other accidents.....	(169, 171-195)	†	†	55.5	51.1	35.8

\* For 1901-'02-'03 and 1909-'10-'11, rates are standardized for age and sex; for 1919-'20, 1929-'30-'31 and 1939-'40-'41, rates are standardized for age, sex and color. Standard is the population of England and Wales in 1901. Rates were adjusted for sex and color according to the distribution of the population of states of the Death Registration Area of the United States in 1920.

† Data not available for 1901-1911.

**New York City's Aging Population**



# Chief Causes of Death in Certain Age Groups\*\*

City of New York, 1945

Males		Females	
Number of Deaths	Per Cent of Total	Number of Deaths	Per Cent of Total
<b>UNDER ONE YEAR</b>			
817	37	633	37
351	16	320	19
277	12	169	10
222	10	174	10
213	10	173	10
150	7	91	5
63	3	37	2
116	5	112	7
<u>2,209</u>	<u>100</u>	<u>1,709</u>	<u>100</u>
<b>I TO 14 YEARS</b>			
207	28	93	17
66	9	73	13
60	8	35	7
46	6	36	7
42	6	39	7
39	5	35	7
36	5	26	5
237	33	199	37
<u>733</u>	<u>100</u>	<u>536</u>	<u>100</u>
<b>15 TO 24 YEARS</b>			
135	17	210	32
162	20	44	7
91	12	79	12
67	8	34	5
34	4	35	5
34	4	32	5
53	7	6	1
36	5	16	2
.....	.....	40	6
185	23	170	25
<u>797</u>	<u>100</u>	<u>666</u>	<u>100</u>
<b>25 TO 44 YEARS</b>			
1,026	22	661	17
792	17	525	14
496	11	813	21
547	12	177	5
202	5	160	4
181	4	163	4
157	3	148	4
82	2	94	3
.....	.....	164	4
1,101	24	937	24
<u>4,584</u>	<u>100</u>	<u>3,842</u>	<u>100</u>
<b>45 TO 64 YEARS</b>			
7,541	41	3,994	35
3,504	19	3,194	28
1,149	6	196	2
656	4	666	6
414	2	848	8
939	5	264	2
670	4	277	2
3,504	19	1,973	17
<u>18,377</u>	<u>100</u>	<u>11,412</u>	<u>100</u>
<b>65 AND OVER</b>			
8,487	49	8,820	50
3,079	18	2,692	15
889	5	1,219	7
540	3	1,173	7
717	4	745	4
631	4	797	5
596	3	617	3
2,339	14	1,520	9
<u>17,278</u>	<u>100</u>	<u>17,583</u>	<u>100</u>

\* International List numbers 1-44, except tuberculosis, syphilis and influenza.  
 \*\* Arranged in order of importance for both sexes combined.

YEAR	1916	1917	1918	1919	1920	1921	1922	1923
Population.....	5,312,000	5,400,000	5,488,000	5,576,000	5,684,000	5,812,000	5,939,000	6,067,000
Total deaths.....	77,801	78,575	98,119	74,433	73,249	64,257	69,690	69,455
Death rate.....	1,464	1,455	1,788	1,335	1,289	1,106	1,173	1,144
Total deaths under 5 years.....	19,967	18,256	21,019	15,744	17,288	13,672	14,847	11,833
Rate on estim. pop. under 5 years.....	3,664	3,289	3,767	2,811	3,082	2,441	2,685	2,156
Deaths under 1 year of age.....	12,818	12,568	12,657	10,639	11,340	9,548	9,666	8,577
Rate per 1,000 live births.....	93	89	92	82	85	71	75	66
Measles (35).....	490	560	790	218	736	165	977	241
Rate (see note).....	80.2	91.5	128.9	35.8	122.0	27.4	163.0	41
Whooping cough (9).....	349	489	665	161	615	350	268	200
Rate (see note).....	57.1	79.9	108.5	26.4	101.9	58.2	44.7	34
Scarlet fever (8).....	96	120	177	136	220	385	216	100
Rate (see note).....	6.3	7.8	11.3	8.6	13.7	23.7	13.2	6
Diphtheria (10).....	1,031	1,158	1,245	1,239	1,045	891	873	595
Rate (see note).....	68.1	75.3	79.8	78.2	64.9	54.9	53.4	33
Typhoid fevers (1, 2).....	216	229	196	121	137	123	129	144
Rate.....	4.1	4.2	3.6	2.2	2.4	2.1	2.2	2
Meningococcus meningitis (6).....	176	187	262	171	123	147	110	77
Rate.....	3.3	3.5	4.8	3.1	2.2	2.5	1.9	1
Pulmonary tuberculosis (13).....	8,411	8,825	8,779	7,395	6,165	5,143	5,033	4,955
Rate.....	158.3	163.4	160.0	132.6	108.5	88.5	84.7	81
Other forms tuberculosis (14-22).....	1,237	1,317	1,318	1,103	970	779	769	72
Rate.....	23.3	24.4	24.0	19.8	17.1	13.4	12.9	11
Influenza (33).....	853	657	12,562	4,834	3,492	384	869	1,155
Rate.....	16.1	12.2	228.9	86.7	61.4	6.6	14.6	19
Pneumonia (107-109).....	10,568	11,051	20,628	10,977	10,058	6,477	8,794	8,233
Rate.....	198.9	204.6	375.9	196.9	177.0	111.5	148.1	135
Other respiratory (104-6; 110-14).....	1,440	1,420	1,543	1,187	1,443	967	920	52
Rate.....	27.1	26.3	28.1	21.3	25.4	16.6	15.5	8
Cancer (45-55).....	4,701	4,867	4,931	5,147	5,317	5,573	5,945	6,281
Rate.....	88.5	90.1	89.8	92.3	93.5	95.9	100.1	103
Diabetes (61).....	1,119	1,153	1,011	955	1,075	1,120	1,448	1,361
Rate.....	21.1	21.4	18.4	17.1	18.9	19.3	24.4	22
Appendicitis (121).....	697	668	584	690	792	824	883	881
Rate.....	13.1	12.4	10.6	12.4	13.9	14.2	14.9	14
Nephritis (130-2).....	6,546	6,727	5,269	5,007	4,833	4,105	4,450	4,361
Rate.....	123.2	124.6	96.0	89.8	85.0	70.6	74.9	72
Diseases of circulatory sys. (90-103).....	14,210	14,818	15,660	14,077	15,195	15,696	17,350	18,411
Rate.....	267.5	274.4	285.3	252.5	267.3	270.1	292.1	304
Cerebral hem., apoplexy (83a).....	804	794	1,042	811	718	886	501	595
Rate.....	15.1	14.7	19.0	14.5	12.6	15.2	8.4	9
Total degenerative diseases†.....	21,560	22,339	21,971	19,895	20,746	20,687	22,301	23,411
Rate.....	405.8	413.7	400.3	356.8	365.0	356.0	375.5	386
Suicides (163, 164).....	836	778	724	703	670	831	789	81
Rate.....	15.7	14.4	13.2	12.6	11.8	14.3	13.3	13
Homicides (165-168).....	256	248	247	279	325	303	337	301
Rate.....	4.8	4.6	4.5	5.0	5.7	5.2	5.7	5
Automobile accidents (170).....	407	‡674	677	767	763	849	870	911
Rate.....	7.7	12.5	12.3	13.8	13.4	14.6	14.6	15
Other accidents (169, 171-195).....	3,561	4,042	3,613	3,059	2,856	2,634	2,801	3,211
Rate.....	67.0	74.8	65.8	54.9	50.2	45.3	47.2	53
Puerperal diseases (140-150).....	653	651	664	644	708	746	699	611
Rate per 10,000 total births.....	45	44	46	47	51	53	51	46
Rate per 10,000 live births.....	47	46	48	49	53	56	54	46

‡In 1917, horse drawn vehicles included.

†Includes nephritis, diseases of circulatory system, and cerebral hem.

Note:—Rates for measles and whooping cough per 100,000 under five years; rates for scarlet fever and diphtheria are

