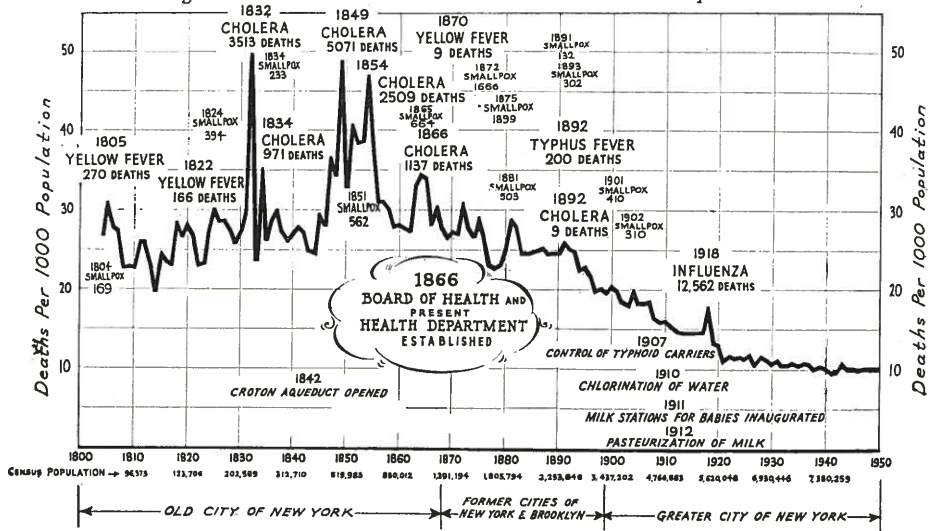


SUMMARY OF VITAL STATISTICS 1954

THE CITY OF NEW YORK

The CONQUEST OF PESTILENCE in NEW YORK CITY ~

... As Shown by the Death Rate as Recorded in the Official Records of The Department of Health.



Department of Health, The City of New York

LEONA BAUMGARTNER, M.D., Commissioner of Health

NOTES ON THIS EDITION

With this issue the Summary of Vital Statistics appears in a new format, more convenient than the former accordion type. In addition, several changes and additions have been made.

Table 4, Expectation of Life, has been expanded to include, for comparative purposes, U. S. data for 1950.

To show the extent to which the communicable diseases have been reduced as a public health problem, table 6, Deaths and Death Rates Since 1901, has been redesigned to cover five-year intervals from 1901 to 1945, a three-year interval from 1946 to 1948 (the last three years during which the Fifth Revision of the International List was used), another three-year period (1949-1951 when both the Fifth and Sixth Revisions were used simultaneously) and single years thereafter. For the 1949-1951 period there

are shown the numbers of deaths classified according to the Fifth Revision and joint cause rules, as well as numbers classified according to the Sixth Revision and the new coding rules put into effect to replace the joint cause procedures. One additional column shows the ratios of the numbers resulting from the Sixth Revision Classification to those from the Fifth. These ratios reveal the extent to which the changes in the classification method affected the mortality distribution. With these ratios it becomes possible to tie in the experience prior to 1949 with that since 1949 for trend analysis.

Since there is wide interest in selected characteristics of the live births occurring in the city, table 12, Live Births, has been added.

Suggestions and comments from users for further improving the usefulness of this Summary will be appreciated.

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Table 1 Population, Births, Marriages, Deaths and Infant Mortality, 1898-1954

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	6,984	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....	6,607,000	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	7,781	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....	7,466,000	107,287	14.4	78,487	10.5	76,008	10.2	7,986	74.4	3,746	34.9
1941....	7,510,000	114,367	15.2	83,012	11.1	74,553	9.9	8,974	78.5	3,519	30.8
1942....	7,553,000	131,989	17.5	81,454	10.8	75,675	10.0	10,013	75.9	3,805	28.8
1943....	7,597,000	134,520	17.7	76,059	10.0	83,174	11.0	9,508	70.7	4,069	30.2
1944....	7,641,000	122,748	16.1	67,315	8.8	78,783	10.3	9,987	81.4	3,829	31.2
1945....	7,684,000	128,853	16.8	72,589	9.4	79,726	10.4	10,367	80.5	3,918	30.4
1946....	7,728,000	152,736	19.8	104,548	13.5	78,481	10.2	12,980	85.0	4,239	27.8
1947....	7,772,000	171,174	22.0	95,897	12.3	80,733	10.4	14,077	82.2	4,517	26.4
1948....	7,815,000	157,969	20.2	92,273	11.8	81,651	10.4	14,018	88.7	4,138	26.2
1949....	7,859,000	156,932	20.0	79,367	10.1	78,593	10.0	14,455	92.1	3,942	25.1
1950....	7,903,000	155,818	19.7	82,535	10.4	79,082	10.0	16,405	105.3	3,858	24.8
1951....	8,042,000	162,755	20.2	76,983	9.6	79,109	9.8	17,961	110.4	3,847	23.6
1952....	8,086,000	164,165	20.3	71,004	8.8	81,139	10.0	18,549	113.0	3,980	24.2
1953....	8,078,000	161,499	20.0	71,942	8.9	82,039	10.2	19,357	119.9	3,945	24.4
1954....	8,041,000	164,060	20.4	69,900	8.7	79,014	9.8	20,379	124.2	3,891	23.7

* 1898-1913 birth figures are estimated, as the number actually reported was undoubtedly incomplete.
 ‡ Increase due to improved reporting of fetal deaths under 20 weeks gestation.

Table 2

Births, Deaths, Maternal Deaths and Fetal Deaths, by Borough of Report, 1954

BOROUGH	Estimated Population July 1	LIVE BIRTHS	DEATHS	FETAL DEATHS	MATERNAL DEATHS†		
					Number	Rate per 10,000	
						Live Births	Total Births*
Manhattan	1,923,000	52,450	27,292	7,341	48	9.2	8.0
The Bronx	1,502,000	20,960	12,317	3,095	13	6.2	5.4
Brooklyn	2,734,000	56,106	24,606	6,451	23	4.1	3.7
Queens	1,682,000	29,906	12,484	3,275	9	3.0	2.7
Richmond	200,000	4,638	2,315	217	3	6.5	6.2
City of New York ..	8,041,000	164,060	79,014	20,379	96	5.9	5.2

* Live births and fetal deaths.

Table 3 Births, Fetal Deaths, and Deaths by Borough of Residence
City of New York, 1954

	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	164,060	33,886	26,575	52,787	33,644	4,240	11,936	992
Rate per 1,000 population	20.4	17.6	17.7	19.3	20.0	21.2	.....	.....
Fetal deaths (stillbirths)*	20,379	5,610	3,367	6,193	3,622	198	1,127	262
Ratio per 1,000 live births	124.2	165.6	126.7	117.3	107.7	46.7	.....	.....
Deaths under one year	3,891	1,019	623	1,271	634	95	226	23
Rate per 1,000 live births	23.7	30.1	23.4	24.1	18.8	22.4	.....	.....
Deaths under one month	2,938	773	473	953	481	74	164	20
Rate per 1,000 live births	17.9	22.8	17.8	18.1	14.3	17.5	.....	.....
Deaths from all causes	79,014	20,638	12,908	25,161	14,172	1,902	3,241	992
Death rate per 1,000 population	9.8	10.7	8.6	9.2	8.4	9.5	.....	.....

* Still births and reported abortions.

Table 4 Expectation of Life in New York City¹ at Specified Ages
1901, 1910, 1930, 1940 and 1950 and United States 1950

M A L E								
Exact Age	New York City					United States		
	1901 Total	1910 Total	1930 Total	1940 White	1950		1950	
					White	NonWhite	White	NonWhite
0	40.6	45.3	55.8	62.5	66.1	59.3	66.2	58.9
5	48.5	51.3	56.2	60.9	63.4	58.0	63.8	57.9
10	44.9	47.4	51.9	56.2	58.6	53.3	59.0	53.2
15	40.5	42.9	47.3	51.4	53.7	48.5	54.2	48.5
20	36.4	38.7	42.9	46.6	48.9	44.0	49.6	44.0
30	29.3	30.8	34.2	37.3	39.4	35.5	40.4	35.6
40	23.0	23.8	26.0	28.4	30.1	27.4	31.3	27.7
50	17.1	17.6	18.7	20.4	21.8	20.4	22.9	20.8
60	12.0	12.2	12.9	13.8	15.0	15.0	15.9	15.7
70	7.8	8.2	8.4	8.9	9.7	10.7	10.3	11.4

F E M A L E								
Exact Age	New York City					United States		
	1901 Total	1910 Total	1930 Total	1940 White	1950		1950	
					White	NonWhite	White	NonWhite
0	44.9	49.5	60.0	66.8	71.2	64.2	71.9	62.7
5	51.9	54.9	59.7	64.6	68.0	62.6	69.1	61.1
10	48.2	50.9	55.2	59.8	63.2	57.8	64.3	56.3
15	43.8	46.5	50.5	55.0	58.3	53.0	59.5	51.5
20	39.7	42.2	46.0	50.2	53.4	48.4	54.6	47.0
30	32.3	34.1	37.4	40.8	43.8	39.5	45.1	38.4
40	25.5	26.6	28.9	31.7	34.4	30.9	35.8	30.2
50	18.8	19.5	21.0	23.2	25.6	23.4	26.9	23.3
60	13.0	13.4	14.3	15.8	17.7	17.3	18.8	17.7
70	8.4	8.7	9.1	9.9	11.1	11.9	11.9	13.1

NOTE: In 1880 the expectation of life at birth was 29.0 for males and 32.8 for females; in 1920 it was 51.6 for males and 54.8 for females.

Table 5 Deaths by Cause and Borough of Residence, City of New York, 1954

CAUSE OF DEATH	Total Recorded	Known Residents by Borough of Residence					Known Non-Residents of City	Permanent Res. Un-known
	In New York City	Manhattan	Bronx	B'klyn	Queens	Rich'd		
TOTAL, ALL CAUSES	79,014	20,638	12,907	25,155	14,172	1,902	3,241	999
1. Total tuberculosis (001-019)	1,127	473	114	292	127	23	47	51
Respiratory tuberculosis (001-008)	1,048	430	103	277	122	23	42	51
Other forms (010-019)	79	43	11	15	5	.....	5	.....
2. Syphilis and its sequelae (020-029)	172	70	20	45	26	2	6	3
3. Acute poliomyelitis (080)	50	4	18	12	9	2	5	.....
4. Infectious hepatitis (092)	43	9	8	13	10	.....	2	1
5. Other infective and parasitic diseases (Rest of 001-138)	190	54	40	45	27	2	18	4
6. Malignant neoplasms, all (140-205)	16,334	3,964	2,713	5,025	3,110	366	1,052	104
Buccal cavity and pharynx (140-148)	335	85	49	98	60	4	33	6
Digestive organs and peritoneum (150-159)	6,690	1,625	1,160	2,137	1,253	168	308	39
Stomach (151)	1,748	431	320	552	313	49	73	10
Large intestine (153)	1,790	400	299	618	344	44	78	7
Rectum (154)	1,044	261	181	300	226	29	39	8
Biliary passages and liver (155, 156)	708	170	119	231	137	25	24	2
Pancreas (157)	785	183	132	254	148	15	51	2
Respiratory system (160-165)	2,254	534	385	653	459	62	138	23
Bronchus (162.0, 163.0)	774	157	109	231	185	15	67	10
Lung and pleura (162.1, 162.2, 163.1, 163.2)	1,197	305	226	346	219	38	51	12
Breast and genito-urinary organs (170-181)	4,148	1,054	663	1,273	826	79	229	24
Breast (170)	1,493	371	235	453	308	31	89	6
Cervix uteri (171)	423	143	55	134	62	6	17	6
Ovary, Fallopian tube and broad ligament (175)	510	114	97	148	117	5	29	.....
Prostate (177)	520	149	78	161	99	13	17	3
Bladder and other urinary organs (181)	522	125	89	167	102	11	23	5
Other and unspecified sites (190-199)	1,510	361	250	475	256	30	130	8
Lymphatic and hematopoietic tissues (200-205)	1,397	305	206	389	256	23	214	4
Leukemia and aleukemia (204)	659	134	104	182	120	9	108	2
7. Benign and unspecified neoplasms (210-239)	305	58	52	91	58	7	37	2
8. Diabetes mellitus (260)	1,571	358	341	564	240	32	24	12
9. Total cardiovascular-renal (330-334, 400-468, 592-594)	42,980	10,875	7,132	14,377	7,845	1,109	1,201	441
Vascular lesions of nervous system (330-334)	5,674	1,409	856	2,003	1,022	183	138	63
Rheumatic fever (400-402)	61	16	12	21	9	1	2	.....
Diseases of the heart (410-443)	34,986	8,805	5,933	11,625	6,435	857	979	352
Chronic rheumatic heart disease (410-416)	1,374	287	276	413	285	33	71	9
Arteriosclerotic heart disease (420)	26,434	6,437	4,578	8,830	4,864	709	765	251
Other myocardial degeneration (421, 422)	2,649	940	365	814	390	32	47	61
Hypertension with heart disease (440-443)	4,377	1,108	686	1,525	862	79	89	28
Hypertension no mention of heart (444-447)	457	131	59	140	83	19	22	3
General arteriosclerosis (450)	933	284	138	312	144	21	17	17
Chronic and unspecified nephritis (592-594)	492	120	80	164	86	21	17	4
10. Influenza and pneumonia (480-483, 490-493)	2,390	728	343	765	334	63	86	71
11. Ulcer of stomach and duodenum (540, 541)	692	169	112	234	119	21	29	8
12. Appendicitis (550-553)	169	42	25	51	36	7	8	.....
13. Intestinal obstruction and hernia (560, 561, 570)	385	95	58	133	72	12	12	3
14. Gastritis, duodenitis, enteritis, colitis (543, 571, 572)	241	55	33	77	57	6	13	.....
15. Cirrhosis of liver (581)	1,379	496	176	359	238	17	61	32
16. Acute nephritis and nephrosis (590, 591)	43	8	9	10	9	.....	7	.....
17. Hyperplasia of prostate (610)	407	81	81	139	77	8	18	3
18. Puerperal diseases (640-689)	96	41	13	22	9	2	9	.....
19. Congenital malformations (750-759)	837	144	149	271	169	21	81	2
20. Diseases of early infancy (760-776)	2,574	707	411	827	412	67	141	9
21. All other diseases	3,047	865	461	891	534	66	188	62
22. Total accidents (800-962)	2,983	965	453	663	501	59	174	168
Motor vehicle accidents (810-835)	621	136	88	194	131	13	34	25
Home accidents	1,521	611	245	305	276	25	35	24
Drowning* (929)	158	52	15	21	5	3	21	41
23. Suicide (963, 970-979)	647	213	103	158	124	8	36	5
24. Homicide (964, 965, 980-999)	352	164	42	91	29	2	6	18

* Exclusive of drownings at home.

Numbers in parentheses are those of the International Statistical Classification of Diseases, Injuries and Causes of Death, 1948 Revision.

Table 6

Population, Deaths and Crude Death Rates per 10

	1901- 1905	1906- 1910	1911- 1915	1916- 1920	1921- 1925	1926- 1930
Population	3,786,000	4,473,000	5,049,000	5,492,000	6,175,000	6,703,000
Deaths	71,689	75,865	74,666	80,435	69,303	75,311
Rate	1,894	1,696	1,479	1,465	1,122	1,123
Deaths under 5	24,154	24,900	20,750	18,455	12,938	10,611
Rate	5,653	5,152	3,947	3,323	2,337	1,909
Infant deaths	15,611	16,609	14,060	12,004	8,985	7,611
Rate	120.8	115.2	100.0	88.2	68.9	61.1
Measles (85)	616	925	630	559	405	281
Rate (b)	144.0	191.8	119.8	100.5	73.2	44.1
Whooping cough (56)	365	329	353	456	302	211
Rate (b)	85.6	68.1	66.7	81.9	54.5	41.1
Scarlet fever (50)	832	872	521	150	173	101
Rate (b)	73.8	63.2	36.3	9.5	10.5	6.1
Diphtheria (55)	1,980	1,765	1,302	1,144	739	411
Rate (b)	174.5	135.9	90.1	73.3	45.0	29.1
Typhoid fevers (40, 41)	691	607	414	180	155	101
Rate	18.3	13.6	8.2	3.3	2.5	1.6
Meningococcus men. (57)	846	485	185	184	106	31
Rate	22.3	10.8	3.7	3.4	1.7	0.5
Tuberculosis of resp. sys. (1-8)	8,154	8,832	8,745	7,915	4,937	4,511
Rate	215.4	197.5	173.2	144.1	80.0	61.1
Other tuberculosis (10-19)	1,246	1,288	1,415	1,189	754	611
Rate	32.9	28.8	28.0	21.6	12.2	10.1
Influenza (480-483)	449	412	393	4,480	725	811
Rate	11.9	9.2	7.8	81.6	11.7	13.1
Pneumonia (490-493, 763)	9,976	10,573	10,135	12,656	8,210	9,111
Rate	263.5	236.4	200.7	230.4	133.0	131.1
Other respiratory (470-475, 500, 527)	3,224	2,307	1,458	1,407	689	611
Rate	85.2	51.6	28.9	25.6	11.2	10.1
Malignant neoplasms (140-205) (c)	2,621	3,334	4,256	4,993	6,229	7,611
Rate	69.2	74.5	84.3	90.9	100.9	111.1
Diabetes (260)	520	690	916	1,063	1,284	1,611
Rate	13.7	15.4	18.1	19.4	20.8	23.1
Appendicitis (550-553)	472	565	664	686	912	1,011
Rate	12.5	12.6	13.2	12.5	14.8	15.1
Nephritis (590-594)	5,752	5,600	5,499	5,676	4,108	3,411
Rate	151.9	125.2	108.9	103.4	66.5	51.1
Circulatory system (400-468)	5,954	9,148	12,699	14,792	18,114	21,811
Rate	157.3	204.5	251.5	269.3	293.3	321.1
Cerebral hemorrhage (331) (d)	2,591	1,790	970	834	719	711
Rate	68.4	40.0	19.2	15.2	11.6	11.1
Cardiovascular-renal (e)	14,297	16,538	19,168	21,302	22,941	25,511
Rate	377.6	369.7	379.6	387.9	371.4	381.1
Suicides (963, 970-979)	761	825	866	742	842	1,111
Rate	20.1	18.4	17.2	13.5	13.6	16.1
Homicides (964, 965, 980-999)	143	247	293	271	334	411
Rate	3.8	5.5	5.8	4.9	5.4	6.1
Automobile accidents (810-835) (f)	(h)	(h)	253	658	929	1,111
Rate .....	.....	.....	5.0	12.0	15.0	16.1
Other accidents (800-802, 840-962)	3,521	3,549	3,516	3,426	3,138	3,411
Rate	93.0	79.3	69.6	62.4	50.8	51.1
Puerperal diseases (640-689)	694	745	694	664	689	611
Rate—per 10,000 total births	51.3	49.3	47.2	46.6	50.4	44.1
Rate—per 10,000 live births	53.7	51.7	49.4	48.8	52.8	51.1

Numbers following disease names are numbers of the International List, 6th Revision.

(a) See explanation on page 2. (b) Rates for measles and whooping cough, per 100,000 under five years; (c) and haematopoietic tissues. (d) Coding changed in 1935, giving greater weight to cerebral hemorrhage than (e) Motorcyle accidents not involving collisions with automobiles are included with other accidents, except (f)

000 Population, City of New York, 1901 to 1954

ANNUAL AVERAGE									
1931- 1935	1936- 1940	1941- 1945	1946- 1948	Fifth Rev. 1949- 1951	Sixth Rev. 1949- 1951	Ratio(a) Sixth Fifth	1952	1953	1954
7,101,000	7,363,000	7,597,000	7,772,000	7,935,000	7,953,000	.....	8,086,000	8,078,000	8,041,000
75,561	76,065	78,382	80,288	78,928	78,928	.....	81,139	82,039	79,014
1,064	1,033	1,032	1,033	995	995	.....	1,003	1,016	983
7,361	5,037	4,480	4,904	4,523	4,523	.....	4,706	4,594	4,553
1,476	1,126	918	837	684	684	.....	694	684	677
5,521	4,079	3,828	4,298	3,882	3,882	.....	3,980	3,945	3,891
52.0	39.8	30.3	26.8	24.5	24.5	.....	24.2	24.4	23.7
107	31	14	16	10	10	.....	19	3	22
21.4	6.5	2.6	2.4	1.4	1.4	.....	2.8	0.4	3.3
148	58	43	11	6	6	.....	0	5	2
29.7	12.0	7.9	1.6	0.8	0.8	.....	.....	0.7	0.3
81	28	8	1	0	0	.....	0	0	1
4.8	1.7	0.5	0.1	.....	.....	.....	.....	.....	0.1
131	30	11	12	2	2	.....	1	1	2
7.7	1.9	0.7	0.7	0.1	0.1	.....	0.1	0.1	0.1
58	24	10	5	3	2	.....	2	1	0
0.8	0.3	0.1	0.1	(g)	(g)	.....	(g)	(g)	.....
142	87	135	40	33	32	.....	40	44	29
2.0	1.2	1.8	0.5	0.4	0.4	.....	0.5	0.5	0.4
4,068	3,680	3,281	2,932	2,253	2,173	1.0	1,460	1,183	1,048
57.3	50.0	43.2	37.7	28.4	27.4	.....	18.1	14.6	13.0
498	345	304	229	184	172	0.9	138	111	79
7.0	4.7	4.0	2.9	2.3	2.2	.....	1.7	1.4	1.0
625	250	108	48	46	57	1.2	43	80	31
8.8	3.4	1.4	0.6	0.6	0.7	.....	0.5	1.0	0.4
7,580	5,087	3,345	2,966	2,457	2,595	1.1	2,783	2,986	2,550
106.7	69.1	44.0	38.2	31.0	32.7	.....	34.4	37.0	31.7
594	536	492	424	424	450	1.1	445	471	448
8.4	7.3	6.5	5.5	5.3	5.7	.....	5.5	5.8	5.6
9,062	11,257	13,169	14,627	15,460	15,556	1.0	16,521	16,554	16,334
127.6	152.9	173.3	188.2	194.8	196.0	.....	204.3	204.9	203.1
2,140	2,787	3,131	3,423	3,688	1,583	0.4	1,652	1,654	1,571
30.1	37.9	41.2	44.0	46.5	19.9	.....	20.4	20.5	19.5
1,059	857	441	273	205	192	0.9	162	162	169
14.9	11.6	5.8	3.5	2.6	2.4	.....	2.0	2.0	2.1
3,608	3,675	3,081	2,574	2,073	570	0.3	558	519	535
50.8	49.9	40.6	33.1	26.1	7.2	.....	6.9	6.4	6.7
23,706	25,711	30,886	32,539	32,547	36,206	1.1	37,745	38,468	36,814
333.8	349.2	406.6	418.7	410.2	456.3	.....	466.8	476.2	457.8
1,162	2,880	2,784	2,673	2,699	2,923	1.1	3,157	3,235	3,224
16.4	39.1	36.6	34.4	34.0	36.8	.....	39.0	40.0	40.1
28,476	32,266	36,751	37,786	37,319	39,699	1.1	41,460	42,222	40,573
401.0	438.2	483.8	486.2	470.3	500.3	.....	512.7	522.6	504.6
1,369	1,191	907	930	863	863	1.0	645	654	647
19.3	16.2	11.9	12.0	10.9	10.9	.....	8.0	8.1	8.0
522	331	265	362	318	318	1.0	339	344	352
7.4	4.5	3.5	4.7	4.0	4.0	.....	4.2	4.3	4.4
1,167	920	728	635	593	600	1.0	601	642	621
16.4	12.5	9.6	8.2	7.5	7.6	.....	7.4	7.9	7.7
3,205	3,107	3,091	3,255	2,893	2,707	0.9	2,613	2,468	2,362
45.1	42.2	40.7	41.9	36.5	34.1	.....	32.3	30.6	29.4
608	372	255	178	137	115	0.8	106	105	96
54.6	34.3	18.7	10.2	7.8	6.6	.....	5.8	5.8	5.2
57.3	36.3	20.2	11.1	8.6	7.3	.....	6.5	6.5	5.9

for scarlet fever and diphtheria per 100,000 under fifteen years. (c) Includes neoplasms of lymphatic arteriosclerosis. (e) Includes nephritis, diseases of circulatory system, and only cerebral hemorrhage. 6th Revision. (g) Rate is less than 0.05. (h) Not available.

**Table 7 Chief Causes of Death in Certain Age Groups*
City of New York, 1954**

Males		Females	
Deaths	Per Cent	Deaths	Per Cent
UNDER ONE YEAR			
619	28	473	28
554	25	411	24
340	16	264	16
296	14	260	15
179	8	133	8
31	1	33	2
32	1	20	1
144	7	102	6
2,195	100	1,696	100
1 TO 14 YEARS			
154	24	76	14
124	19	93	18
107	16	97	18
57	9	64	12
11	2	14	3
12	2	11	2
14	2	5	1
10	1	8	2
4	1	6	1
155	24	155	29
648	100	529	100
15 TO 24 YEARS			
100	24	41	13
64	15	51	16
27	7	33	11
33	8	16	5
9	2	24	8
23	6	6	2
14	3	13	4
....	....	24	8
143	35	101	33
413	100	309	100
25 TO 44 YEARS			
516	17	811	32
843	28	442	17
351	11	133	5
150	5	132	5
142	5	134	5
129	4	81	3
112	4	74	3
146	5	37	2
75	2	87	3
84	3	24	1
57	2	44	2
....	....	71	3
28	1	38	1
411	13	461	18
3,044	100	2,569	100
45 TO 64 YEARS			
7,870	48	3,764	38
3,717	23	3,285	33
732	4	697	7
641	4	237	2
548	3	259	3
235	1	323	3
386	2	151	2
436	3	84	1
272	2	61	1
205	1	88	1
1,516	9	931	9
16,558	100	9,880	100
65 AND OVER			
11,055	52	10,931	55
4,230	20	3,434	17
1,745	8	2,319	12
593	3	605	3
573	3	478	2
374	2	466	2
336	1	595	3
2,253	11	1,186	6
21,159	100	20,014	100

* Arranged in order of importance for both sexes combined.
** Includes neoplasms of lymphatic and haematopoietic tissues.

Table 8

**Age Specific Death Rates Per 1,000 Population
City of New York, 1900-1950**

Age	1901-'02-'03		1909-'10-'11		1919-'20*		1929-'30-'31		1939-'40-'41		1949-'50-'51	
	Males	Females	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	7.6	6.0
5-9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8	0.6	0.5
10-14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7	0.6	0.4
15-19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1	0.9	0.6
20-24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6	1.3	0.9
25-29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0	1.4	1.2
30-34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4	2.0	1.6
35-39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2	3.2	2.2
40-44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8	5.5	3.6
45-49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5	11.2	7.4	8.9	5.3
50-54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5	14.5	8.3
55-59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5	22.6	12.8
60-64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8	32.9	20.5
65-69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8	46.2	29.7
70-74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5	68.0	49.7
75-79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3	95.9	77.0
80-84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5	134.0	121.2
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2	202.8	183.8

* 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.

**Table 9 Age-Adjusted Death Rates* Certain Causes, Per 100,000 Population
City of New York, 1900-1950**

Cause of Death	1901-'02-'03	1909-'10-'11	1919-'20	1929-'30-'31	1939-'40-'41	1949-'50-'51	
						V—revision—VI	
All causes	2,075.0	1,805.0	1,526.0	1,219.0	893.0	687.6	687.6
Respiratory tuberculosis	204.3	172.2	126.6	63.6	40.0	20.4	19.8
Other forms of tuberculosis	35.4	30.3	23.7	11.3	5.0	2.0	1.9
Influenza & pneumonia	281.3	259.7	293.8	164.2	52.8	25.6	27.1
Cancer (b)	83.2	94.8	101.7	116.7	125.1	124.4	127.1
Diabetes	16.6	19.3	19.9	26.3	31.2	28.0	12.2
Appendicitis	12.3	13.1	13.4	16.1	8.8	2.1	1.9
Nephritis	182.7	142.9	107.5	47.4	37.9	17.6	5.6
Diseases of circulatory system	193.6	299.0	325.6	376.2	303.0	260.9	289.8
Total Degenerative Diseases	469.6	467.5	450.4	433.1	370.5	300.8	318.4
Total accidents	94.2	82.1	70.5	71.7	47.0	33.2	31.9
Auto accidents(c)			15.1	20.5	11.1	6.3	6.4
Other accidents(c)			55.5	51.1	35.8	26.9	25.5

(a) 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.

(b) Under cancer in the Sixth Revision are included deaths from Hodgkin's disease, leukemia and aleukemia, and mycosis fungoides to which 643, 1,916 and 22 deaths respectively were assigned in the three year period 1949-1951. The standardized rate for these 2,581 deaths was 9.1 per 100,000.

(c) Data not available for 1901-1911.

New York City's Aging Population

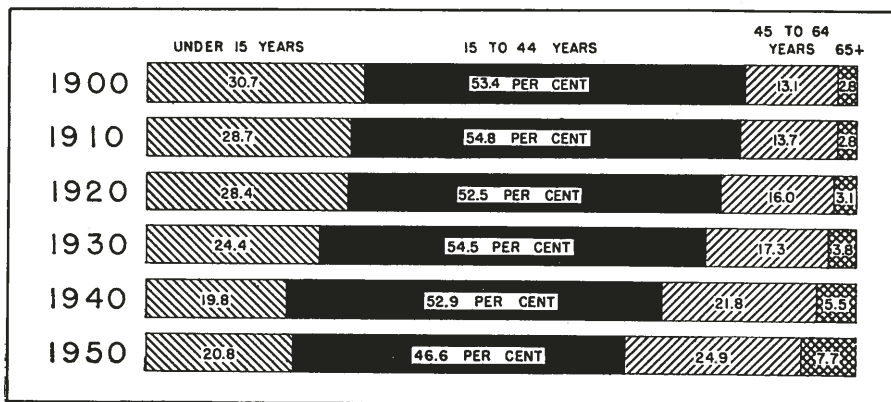


Table 10 Population in 1950 and Deaths in 1954, City of New York

Table with 11 columns: Age, 1950 Population by Age, Color and Sex (White Male/Female, Nonwhite Male/Female), Deaths in 1954 by Age, Color and Sex (White Male/Female, Negro Male/Female, Other Male/Female). Rows include All ages, Under 5, 5-9, 10-14, 15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49, 50-54, 55-59, 60-64, 65-69, 70-74, 75 and over.

Table 11 Case of Reportable Infectious Diseases, City of New York, 1900-1954

Table with 13 columns: Year, Pulmonary Tuberculosis, Diphtheria, Measles, Scarlet Fever, Chickenpox, Typhoid Fevers, Whooping Cough, Meningococcus Meningitis, Poliomyelitis, Syphilis, Gonorrhea, Influenza, Pneumonia, Epidemic Encephalitis. Rows represent years from 1900 to 1954.

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

Table 12

Live Births by Age of Mother, City of New York, 1954

	Total Births	AGE OF MOTHER									
		Under 15 Years	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50 & Over	Not Stated
Total Births	164,060	121	10,530	46,698	53,521	34,321	15,235	3,442	160	3	29
Sex:											
Male	84,006	67	5,393	23,978	27,370	17,635	7,713	1,765	71	1	13
Female	80,054	54	5,137	22,720	26,151	16,686	7,522	1,677	89	2	16
Race of Child and Nativity of Mother											
Total White	137,622	26	6,930	38,313	46,043	29,805	13,296	3,057	135	3	14
Puerto Rican..	15,958	7	2,279	6,431	4,076	2,009	917	223	13		3
Other U. S. ...	107,645	16	4,403	29,347	37,213	23,651	10,738	2,186	87	1	3
Foreign	14,000	1	247	2,532	4,751	4,144	1,640	648	35	2	
Not Stated	19	2	1	3	3	1	1				8
Total Nonwhite..	26,438	95	3,600	8,385	7,478	4,516	1,939	385	25		15
Negro	25,596	95	3,574	8,227	7,163	4,322	1,825	354	21		15
Puerto Rican	936	2	107	331	252	147	80	16	1		
Other	24,660	93	3,467	7,896	6,911	4,175	1,745	338	20		15
Indian	22		6	3	6	5	1	1			
Chinese	651		16	117	240	151	96	27	4		
Japanese	116		2	25	52	25	11	1			
Other nonwhite	53		2	13	17	13	6	2			
Number of Child in Order of Birth (Live Births Only)											
First child	58,097	117	7,965	24,980	16,090	6,260	2,217	441	23		4
Second child ...	54,327	4	2,070	14,149	21,264	12,060	4,017	736	24		3
Third child	27,894		417	4,910	9,373	8,581	3,858	726	28		1
Fourth child	12,227		73	1,761	3,764	3,784	2,303	521	19	1	1
Fifth child	5,533		5	639	1,644	1,664	1,176	382	23		
Sixth child	2,866			208	816	961	646	218	16		1
Seventh child ...	1,379			38	348	484	373	128	7	1	
Eighth child	747			7	142	247	257	87	7		
Ninth child	400			4	55	137	144	58	2		
Tenth child or more	566			1	23	141	244	145	11	1	
Not Stated	24			1	2	2					19
Weight at Birth											
1000 grams and under	963		111	266	304	175	85	16	5		1
1001-1500 grams	994	3	98	290	280	199	91	19	14		
1501-2000 grams	2,501	1	267	739	685	456	266	52	35		
2001-2500 grams	9,679	10	867	2,878	2,898	1,917	877	215	14		3
2501-3000 grams	37,499	45	2,984	11,597	11,923	7,105	3,146	666	31		2
3001-3500 grams	66,069	46	4,176	19,358	22,125	13,404	5,709	1,219	26	3	3
3501-4000 grams	36,441	14	1,718	9,447	12,097	8,460	3,775	911	17		2
4001-4500 grams	8,093	2	254	1,758	2,691	2,117	1,011	249	11		
4501-5000 grams	1,245		24	235	367	342	206	66	5		
5001 grams & over	152		3	19	42	46	29	12	1		
Not stated	424		28	111	109	100	40	17	1		18
Plurality											
Single	160,597	120	10,400	45,817	52,413	33,471	14,828	3,356	160	3	29
Twins	3,406	1	127	864	1,094	838	396	86			
Triplets	57		3	17	14	12	11				
Place of Birth											
Home	515		27	116	146	118	76	30	1	1	
Hospital											
Voluntary	96,966	49	4,421	25,589	33,444	21,697	9,542	2,122	97		5
Proprietary	34,068	2	902	8,836	12,004	7,977	3,505	804	38		
Municipal	29,038	70	4,617	10,448	7,264	4,161	1,976	469	23	2	8
Federal	3,416		551	1,702	655	360	130	17	1		
Other											
Institutions .	33		10	5	8	5	5				
Foundling	8										
All Others	16		2	2		3	1				16
Attendant											
M.D. not in hospital	326		13	64	83	84	57	23	1	1	
Midwife	185		15	51	59	33	20	7			
Ambulance	1,723	3	168	606	459	311	128	40	5		3
Hospitals:											
Private Service	104,814	4	2,341	25,738	38,172	25,156	10,899	2,404	97		3
General Service	56,986	114	7,992	20,236	14,746	8,733	4,131	968	57	2	7
All Others	26		1	3	2	4					16

Table 13

Population, Births, Deaths and Infant Mortality
by Health Center District of Residence, New York City, 1954

	Population Estimates July 1, 1954	LIVE BIRTHS		BIRTHS TO PUERTO RICAN MOTHERS		DEATHS ALL CAUSES		INFANT MORTALITY	
		Number	Rate*	Number	Percent of Total Live Births	Number	Rate*	Number	Rate**
NEW YORK CITY ...	8,041,000	164,060	20.4	16,891	10.3	79,014	9.8	3,891	23.7
KNOWN RESIDENTS	8,041,000	151,132	†	16,794	†	74,781	†	3,642	†
MANHATTAN	1,923,000	33,886	17.6	8,545	25.2	20,638	10.7	1,019	30.1
Central Harlem	247,000	6,437	26.1	419	6.5	2,706	11.0	252	39.1
East Harlem	201,000	4,341	21.6	1,918	44.2	1,842	9.2	152	35.0
Kips Bay-Yorkville	254,000	2,394	9.4	100	4.2	2,851	11.2	69	28.8
Lower East Side	295,000	6,210	21.1	1,863	30.0	3,356	11.4	148	23.8
Lower West Side	317,000	4,809	15.2	1,598	33.2	3,840	12.1	140	29.1
Riverside	295,000	5,028	17.0	2,149	42.7	3,181	10.8	148	29.4
Washington Heights	314,000	4,667	14.9	498	10.7	2,862	9.1	110	23.6
BRONX	1,502,000	26,575	17.7	4,083	15.4	12,908	8.6	623	23.4
Fordham-Riverdale	233,000	3,737	16.0	75	2.0	2,231	9.6	75	20.1
Morrisania	297,000	5,643	19.0	1,318	23.4	2,526	8.5	167	29.6
Mott Haven	230,000	5,094	22.1	2,059	40.4	1,982	8.6	150	29.4
Pelham Bay	157,000	2,807	17.9	55	2.0	1,231	7.8	53	18.9
Tremont	310,000	4,772	15.4	438	9.2	2,835	9.1	92	19.3
Westchester	275,000	4,522	16.4	138	3.1	2,103	7.6	86	19.0
BROOKLYN	2,734,000	52,787	19.3	3,892	7.4	25,161	9.2	1,271	24.1
Bay Ridge	325,000	5,817	17.9	29	0.5	2,747	8.5	121	20.8
Bedford	302,000	6,605	21.9	179	2.7	2,836	9.4	222	33.6
Brownsville	274,000	4,895	17.9	248	5.1	2,592	9.5	123	25.1
Bushwick	227,000	4,646	20.5	366	7.9	2,347	10.3	99	21.3
Flatbush	491,000	8,159	16.6	37	0.5	4,494	9.2	128	15.7
Fort Greene	216,000	5,546	25.7	845	15.2	2,089	9.7	181	32.6
Gravesend	300,000	5,053	16.8	63	1.2	2,461	8.2	93	18.4
Red Hook-Gowanus	169,000	3,829	22.7	950	24.8	1,633	9.7	111	29.0
Sunset Park	225,000	3,857	17.1	211	5.5	1,995	8.9	68	17.6
Wmsbrg.-Greenpoint ...	205,000	4,380	21.4	964	22.0	1,967	9.6	125	28.5
QUEENS	1,682,000	33,644	20.0	254	0.8	14,172	8.4	634	18.8
Astoria-L.I.C.	274,000	5,008	18.3	102	2.0	2,243	8.2	97	19.4
Corona	218,000	4,064	18.6	26	0.6	1,744	8.0	62	15.3
Flushing	347,000	8,600	24.8	36	0.4	2,554	7.4	149	17.3
Jamaica East	278,000	5,568	20.0	35	0.6	2,280	8.2	114	20.5
Jamaica West	294,000	5,823	19.8	46	0.8	2,863	9.7	139	23.9
Maspeth-Forest Hills ..	271,000	4,581	16.9	9	0.2	2,488	9.2	73	15.9
RICHMOND	200,000	4,240	21.2	20	0.5	1,902	9.5	95	22.4
KNOWN NON- RESIDENTS		11,936	...	37	...	3,241	...	226	...
PERMANENT RES. UNKNOWN		992	...	60	...	992	...	23	...

*Rate per 1,000 Population

**Rate per 1,000 Live Births

†This figure is not computed because known resident totals include only events occurring in New York City to known residents, and do not include events occurring outside of city to New York City residents.