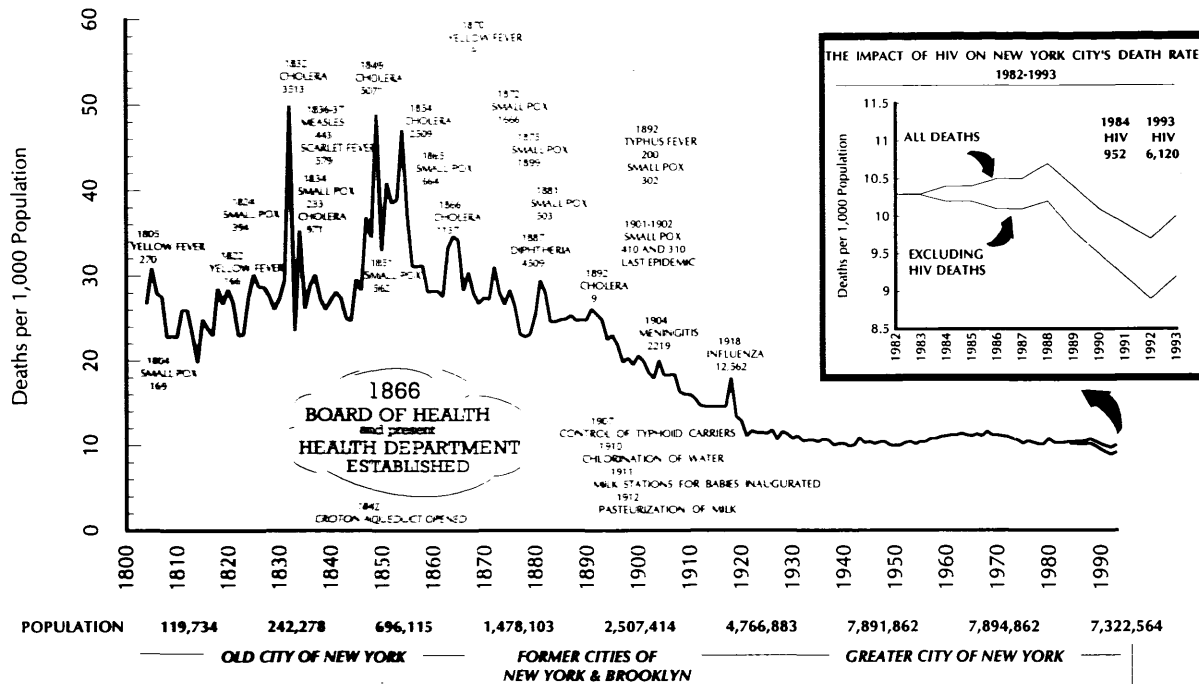


SUMMARY OF VITAL STATISTICS 1993

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.



OFFICE OF VITAL STATISTICS AND EPIDEMIOLOGY

NEW YORK CITY DEPARTMENT OF HEALTH, 125 WORTH STREET, BOX 7, NEW YORK, NEW YORK 10013

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Table 1.

Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1993

Year	Population April 1	Live Births		Marriages		Deaths		Infant Mortality	
		Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Deaths under one year	Rate per 1,000 live births
1898-1900	3,358,000	119,000	35.4	30,535	9.1	67,503	20.1	16,264	136.7
1901-1905	3,786,000	129,000	34.1	37,988	10.0	71,689	18.9	15,611	121.0
1906-1910	4,473,000	144,000	32.2	44,966	10.1	75,865	17.0	16,609	115.3
1911-1915	5,049,000	140,581	27.8	51,157	10.1	74,666	14.8	14,060	100.0
1916-1920	5,492,000	136,101	24.8	59,081	10.8	80,435	14.6	12,004	88.2
1921-1925	6,175,000	130,462	21.1	62,710	10.2	69,303	11.2	8,985	68.9
1926-1930	6,703,000	125,590	18.7	62,278	9.3	75,395	11.2	7,662	61.0
1931-1935	7,101,000	106,179	15.0	63,273	8.9	75,561	10.6	5,521	52.0
1936-1940	7,363,000	102,418	13.9	69,184	9.4	76,065	10.3	4,079	39.8
1941-1945	7,597,000	126,495	16.7	76,086	10.0	78,382	10.3	3,525	27.9
1946-1950	7,815,000	158,926	20.3	90,914	11.6	79,708	10.2	4,139	26.0
1951-1955	7,867,000	163,526	20.8	71,689	9.1	80,583	10.2	3,986	24.4
1956	7,831,000	165,553	21.1	70,291	9.0	81,118	10.4	4,052	24.5
1957	7,818,000	166,977	21.4	69,498	8.9	84,141	10.8	4,176	25.0
1958	7,806,000	167,775	21.5	67,594	8.7	84,586	10.8	4,435	26.4
1959	7,794,000	168,138	21.6	66,887	8.6	85,352	11.0	4,458	26.5
1960	7,781,984	166,300	21.4	67,133	8.6	86,252	11.1	4,328	26.0
1961	7,793,000	168,383	21.6	66,258	8.5	86,855	11.1	4,307	25.6
1962	7,805,000	165,244	21.2	65,512	8.4	87,089	11.2	4,510	27.3
1963	7,816,000	167,848	21.5	67,886	8.7	88,621	11.3	4,334	25.8
1964	7,828,000	165,695	21.2	70,053	8.9	88,026	11.2	4,438	26.8
1965	7,839,000	158,815	20.3	71,880	9.2	87,395	11.1	4,076	25.7
1966	7,850,000	153,335	19.5	66,689	8.5	88,418	11.3	3,819	24.9
1967	7,862,000	145,802	18.5	68,876	8.8	87,610	11.1	3,489	23.9
1968	7,873,000	141,920	18.0	73,307	9.3	91,169	11.6	3,282	23.1
1969	7,885,000	146,221	18.5	75,220	9.5	88,535	11.2	3,563	24.4
1970	7,894,862	149,192	18.9	74,174	9.4	88,161	11.2	3,230	21.6
1971	7,832,000	131,920	16.8	73,810	9.4	86,724	11.1	2,751	20.9
1972	7,731,000	117,088	15.1	73,253	9.5	85,363	11.0	2,321	19.8
1973	7,648,000	110,639	14.5	70,104	9.2	82,319	10.8	2,206	19.9
1974	7,566,000	110,642	14.6	61,925	8.2	79,846	10.6	2,175	19.7
1975	7,484,000	109,418	14.6	59,591	8.0	76,312	10.2	2,110	19.3
1976	7,401,000	109,995	14.9	55,829	7.5	77,538	10.5	2,092	19.0
1977	7,318,000	110,486	15.1	52,804	7.2	75,011	10.3	1,971	17.8
1978	7,236,000	106,720	14.7	54,247	7.5	73,081	10.1	1,827	17.1
1979	7,154,000	106,021	14.8	58,532	8.2	72,079	10.1	1,767	16.7
1980	7,071,639	107,066	15.1	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	71,301	9.7	73,875	10.1	1,620	11.6
1991	7,322,564	138,148	18.9	69,314	9.5	72,421	9.9	1,575	11.4
1992	7,322,564	136,002	18.6	71,947	9.8	71,001	9.7	1,390	10.2
1993	7,322,564	133,583	18.2	72,490	9.9	73,408	10.0	1,366	10.2

Note: Figures for single years prior to 1956 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated. See Technical Notes.

Table 2a.

**Population by Age, Race, and Sex, and by Hispanic Ancestry
New York City, 1990**

Age In Years	POPULATION IN 1990											
	Race										Hispanic Ancestry*	
	All Races			White		Black		Other & Unknown		Total	Male	Female
	Total	Male	Female	Male	Female	Male	Female	Male	Female			
All Ages	7,322,564	3,437,667	3,884,897	2,117,645	2,356,194	1,038,666	1,253,141	281,356	275,562	1,783,478	850,184	933,294
Under 5	531,430	271,149	260,281	144,384	137,618	105,086	102,594	21,679	20,069	172,912	87,867	85,045
5-9	455,829	232,471	223,358	122,528	116,567	92,243	90,177	17,700	16,614	148,750	75,649	73,101
10-14	447,301	226,297	221,004	118,176	112,975	90,300	91,149	17,821	16,880	144,309	73,312	70,997
15-19	478,207	240,913	237,294	128,146	123,558	92,350	94,101	20,417	19,635	147,890	75,768	72,122
20-24	587,854	285,778	302,076	168,245	172,788	93,430	105,095	24,103	24,193	168,970	84,645	84,325
25-29	705,351	343,352	361,999	211,068	212,727	100,104	118,000	32,180	31,272	181,247	88,760	92,487
30-34	669,944	325,318	344,626	201,281	201,376	90,692	112,089	33,345	31,161	164,062	77,960	86,102
35-39	589,631	283,579	306,052	176,075	179,308	79,508	101,087	27,996	25,657	140,274	65,296	74,978
40-44	513,936	241,148	272,788	153,021	163,364	65,863	87,225	22,264	22,199	117,462	53,590	63,872
45-49	410,951	189,561	221,390	119,100	132,191	54,359	73,675	16,102	15,524	93,685	42,521	51,164
50-54	350,874	161,197	189,677	102,595	115,107	45,063	61,538	13,539	13,032	78,172	35,137	43,035
55-59	320,527	145,060	175,467	97,974	112,944	36,533	51,633	10,553	10,890	65,590	28,640	36,950
60-64	323,098	141,494	181,604	101,306	123,759	31,936	48,341	8,252	9,504	53,960	22,628	31,332
65-69	294,755	122,953	171,802	90,774	122,642	25,714	41,875	6,465	7,285	39,783	15,570	24,213
70-74	230,094	89,767	140,327	69,370	105,274	16,271	30,046	4,126	5,007	27,069	9,840	17,229
75-79	189,695	68,509	121,186	55,614	95,961	10,332	21,702	2,563	3,523	19,968	6,821	13,147
80-84	124,744	41,150	83,594	34,463	68,939	5,306	12,810	1,381	1,845	11,315	3,677	7,638
85 & Over	98,343	27,971	70,372	23,525	59,096	3,576	10,004	870	1,272	8,060	2,503	5,557

Note: These population figures replace those published in the 1990 Vital Statistics Summary, and are based on the Census Bureau's modification of its data correcting the underreporting of race by persons of Hispanic ancestry. The major effects are a reduction of 60% in the total for Other and Unknown race and increases of 17% and 9% in the totals for Whites and Blacks, respectively. There were minor changes in age and sex as well.

*Persons of Hispanic ancestry may be of any race.

Table 2b.

**Deaths by Age, Race, and Sex, and by Hispanic Ancestry
New York City, 1993**

Age In Years	DEATHS IN 1993											
	Race										Hispanic Ancestry*	
	All Races			White		Black		Other & Unknown		Total	Male	Female
	Total	Male	Female	Male	Female	Male	Female	Male	Female			
All Ages	73,408	38,220	35,188	24,644	23,493	9,812	8,356	3,764	3,339	8,877	5,574	3,303
Under 5	1,604	900	704	356	270	369	286	175	148	335	180	155
5-9	119	69	50	34	25	29	23	6	2	30	16	14
10-14	134	82	52	54	22	21	24	7	6	42	32	10
15-19	416	336	80	129	43	190	32	17	5	116	97	19
20-24	832	664	168	339	83	287	66	38	19	258	217	41
25-29	1,402	1,038	364	583	154	380	181	75	29	456	354	102
30-34	2,180	1,583	597	928	267	543	278	112	52	654	497	157
35-39	2,972	2,132	840	1,187	352	761	424	184	64	754	584	170
40-44	3,302	2,387	915	1,247	402	910	412	230	101	744	563	181
45-49	2,908	2,013	895	1,116	407	705	379	192	109	603	468	135
50-54	3,080	1,997	1,083	1,088	528	704	436	205	119	510	362	148
55-59	3,476	2,144	1,332	1,203	669	710	499	231	164	579	374	205
60-64	4,624	2,687	1,937	1,673	1,102	727	623	287	212	629	374	255
65-69	6,180	3,514	2,666	2,257	1,615	890	763	367	288	665	381	284
70-74	7,474	3,941	3,533	2,649	2,292	862	894	430	347	649	330	319
75-79	8,372	4,064	4,308	2,933	3,019	693	883	438	406	597	283	314
80-84	9,081	3,820	5,261	2,962	3,956	496	860	362	445	567	228	339
85 & Over	15,252	4,849	10,403	3,906	8,287	535	1,293	408	823	689	234	455

*Persons of Hispanic ancestry may be of any race.

Table 3.

Deaths by Cause and Borough of Residence
New York City, 1993

Cause (ICD-9 Code*)	BOROUGH OF RESIDENCE							
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknow
Total Deaths	73,408	14,489	12,014	21,646	17,009	3,333	4,192	725
All Natural Causes	69,150	13,699	11,217	20,340	16,199	3,234	3,933	528
1 Total tuberculosis (010-018)	166	46	28	56	22	1	5	8
Respiratory tuberculosis (010-012)	135	39	26	38	19	1	4	8
Other forms (013-018)	31	7	2	18	3	-	1	-
2 Septicemia (038)	313	94	65	69	59	6	17	3
3 Acquired immunodeficiency syndrome (042)	6,002	2,018	1,195	1,554	755	140	255	85
4 Other HIV infections (043-044)	118	23	18	58	14	2	3	-
5 Viral hepatitis (070)	98	20	11	26	20	5	15	1
6 Pneumocystosis (136.3)	42	7	4	17	9	-	5	-
7 Other infective and parasitic diseases (Rest of 001-139)	178	44	31	47	38	3	14	1
8 Malignant neoplasms, all (140-208)	15,040	2,825	2,197	4,167	3,570	830	1,417	34
Lip, oral cavity and pharynx (140-149)	266	49	44	77	61	13	22	-
Digestive organs and peritoneum (150-159)	4,225	778	593	1,222	1,052	199	372	9
Stomach (151)	641	111	87	193	176	26	46	2
Colon (153)	1,524	297	203	444	372	68	136	4
Rectum (154)	228	50	33	59	56	9	21	-
Liver, bile duct, gallbladder (155-156)	585	101	80	170	152	28	54	-
Pancreas (157)	813	129	106	231	219	54	74	-
Respiratory system (160-165)	3,779	700	548	1,059	903	262	295	12
Trachea, bronchus and lung (162)	3,554	642	507	1,010	848	257	279	11
Kaposi's sarcoma (173.9)	21	4	3	6	4	1	3	-
Breast and genito-urinary organs (174, 179-189)	3,950	762	564	1,070	960	220	365	9
Breast, female (174)	1,490	273	192	413	373	93	144	2
Cervix uteri (180)	170	26	34	59	30	4	16	1
Ovary and other uterine adnexa (183)	424	78	55	108	102	25	56	-
Prostate (185)	955	207	146	258	236	35	72	1
Bladder and other urinary organs (188-189)	616	110	88	163	163	39	50	3
Other and unspecified sites (Rest of 140-199)	1,379	269	228	344	292	70	174	2
Lymphatic and hematopoietic tissues (200-208)	1,420	263	217	389	298	65	186	2
Leukemia and aleukemia (204-208)	519	92	70	140	104	25	88	-
9. Benign and unspecified neoplasms (210-239)	224	41	36	47	57	4	38	1
10. Diabetes mellitus (250)	1,216	257	239	375	256	54	33	2
11. Alcohol dependence syndrome (303)	439	103	58	172	58	10	9	29
12. Drug dependence and accidental drug poisoning**	1,145	245	243	270	177	18	127	65
Drug dependence (304)	1,083	229	229	260	174	18	112	61
13. Diseases of nervous system (320-389)	483	119	91	119	109	10	31	4
14. Total cardiovascular diseases (390-459)	33,601	5,568	5,121	10,558	8,982	1,712	1,451	209
Cerebrovascular disease (430-438)	2,278	502	383	663	522	90	106	12
Heart diseases (393-398, 402, 404-429)	29,873	4,713	4,506	9,479	8,134	1,573	1,278	190
Chronic rheumatic heart disease (393-398)	100	21	21	28	20	4	6	-
Ischemic heart disease (410-414)	24,340	3,403	3,435	7,861	7,036	1,441	1,057	107
Other forms of heart disease (420-429)	3,694	845	708	1,111	742	92	144	52
Hypertensive disease (401-404)	2,157	530	425	621	426	47	74	34
Atherosclerosis (440)	273	94	36	56	65	15	7	-
15. Pneumonia and influenza (480-487)	3,029	754	596	787	601	175	99	17
16. Chronic obstructive pulmonary diseases, all (490-496)	1,565	333	300	420	359	96	48	9
Bronchitis, emphysema, asthma (490-493)	556	116	105	167	117	31	17	3
Ulcer of stomach and duodenum (531-533)	221	45	47	57	54	4	11	3
18. Appendicitis (540-543)	18	5	3	6	3	-	1	-
19. Intestinal obstruction and hernia (550-553, 560)	89	19	17	21	25	1	6	-
20. Chronic liver disease and cirrhosis (571)	959	195	193	276	201	33	43	18
21. Nephritis, nephrotic syndrome and nephrosis (580-589)	327	90	55	84	76	10	12	-
22. Hyperplasia of prostate (600)	13	6	2	2	3	-	-	-
23. Complications of pregnancy, childbirth and the puerperium (630-676)	20	5	4	4	5	1	-	1
24. Congenital anomalies (740-759)	415	76	67	102	77	11	81	1
25. Certain conditions originating in the perinatal period (760-779)	767	137	133	276	141	22	56	2
26. Sudden infant death syndrome (798.0)	104	13	27	39	20	5	-	-
27. Ill-defined (Rest of 780-799)	325	59	31	139	49	5	15	27
28. All other diseases	2,294	568	419	602	462	76	156	11
All External Causes	4,258	790	797	1,306	810	99	259	197
29. Total accidents (E800-E949)	1,493	271	226	404	372	45	114	61
Accidental drug poisoning**	62	16	14	10	3	-	15	4
Motor vehicle accidents (E810-E825)	551	87	75	158	140	20	50	21
Home accidents	525	107	80	148	158	12	13	7
30. Suicide and self inflicted injuries (E950-E959)	558	136	76	161	119	20	31	15
31. Homicide (E960-E975, E990-E999)	2,007	345	471	695	285	31	104	76
32. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	200	38	24	46	34	3	10	45

*Numbers in parentheses are codes of International Classification of Diseases, Ninth Revision.

**Drug dependence is code 304 and accidental drug poisoning includes E850.0, E854.1, E855.2, E858.8.

Table 4.

Chief Causes of Death in Specified Age Groups by Sex New York City, 1993

Males		Females	
Deaths	Percent	Deaths	Percent
ALL AGES			
13,319	34.8	16,554	47.0
7,477	19.6	7,563	21.5
4,665	12.2	1,337	3.8
1,467	3.8	1,562	4.4
936	2.4	1,342	3.8
1,707	4.5	300	0.9
755	2.0	810	2.3
934	2.4	497	1.4
522	1.4	694	2.0
914	2.4	231	0.7
5,524	14.5	4,298	12.2
38,220	100.0	35,188	100.0
UNDER 1 YEAR			
157	20.1	110	18.9
129	16.5	90	15.4
64	8.2	65	11.1
73	9.3	45	7.7
65	8.3	45	7.7
60	7.7	44	7.5
18	2.3	11	1.9
20	2.6	7	1.2
12	1.5	15	2.6
17	2.2	10	1.7
168	21.5	141	24.2
783	100.0	583	100.0
1 TO 14 YEARS			
46	17.2	32	14.3
35	13.1	42	18.8
35	13.1	23	10.3
28	10.4	25	11.2
29	10.8	22	9.9
14	5.2	15	6.7
12	4.5	6	2.7
11	4.1	7	3.1
9	3.4	8	3.6
5	1.9	4	1.8
44	16.4	39	17.5
268	100.0	223	100.0
15 TO 24 YEARS			
580	58.0	61	24.6
106	10.6	18	7.3
45	4.5	32	12.9
63	6.3	7	2.8
34	3.4	32	12.9
52	5.2	13	5.2
21	2.1	7	2.8
10	1.0	10	4.0
9	0.9	5	2.0
11	1.1	1	0.4
69	6.9	62	25.0
1,000	100.0	248	100.0
25 TO 34 YEARS			
998	38.1	377	39.2
546	20.8	92	9.6
255	9.7	75	7.8
149	5.7	36	3.7
93	3.5	90	9.4
118	4.5	37	3.9
94	3.6	33	3.4
37	1.4	23	2.4
32	1.2	12	1.2
20	0.8	11	1.1
279	10.6	175	18.2
2,621	100.0	961	100.0

Note: The ten leading causes of death in each age group for both sexes combined are arranged in decreasing order of frequency. Totals may not equal 100.0% due to rounding.

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
2,121	46.9	Acquired Immunodeficiency Syndrome (AIDS)		618	35.2
269	6.0	Malignant Neoplasms		322	18.3
408	9.0	Drug Dependence and Accidental Drug Poisoning		100	5.7
310	6.9	Heart Diseases		154	8.8
305	6.7	Homicide		49	2.8
144	3.2	Accidents Except Drug Poisoning		29	1.7
141	3.1	Chronic Liver Disease and Cirrhosis		30	1.7
76	1.7	Pneumonia and Influenza		48	2.7
88	1.9	Suicide		25	1.4
85	1.9	Alcohol Dependence		21	1.2
572	12.7	All Other Causes		359	20.5
4,519	100.0	Total		1,755	100.0
		45 TO 54 YEARS			
645	16.1	Malignant Neoplasms		781	39.5
1,048	26.1	Acquired Immunodeficiency Syndrome (AIDS)		190	9.6
833	20.8	Heart Diseases		359	18.1
186	4.6	Chronic Liver Disease and Cirrhosis		44	2.2
115	2.9	Cerebrovascular Disease		83	4.2
159	4.0	Drug Dependence and Accidental Drug Poisoning		29	1.5
132	3.3	Homicide		29	1.5
88	2.2	Pneumonia and Influenza		55	2.8
113	2.8	Alcohol Dependence		24	1.2
107	2.7	Accidents Except Drug Poisoning		26	1.3
584	14.6	All Other Causes		358	18.1
4,010	100.0	Total		1,978	100.0
		55 TO 64 YEARS			
1,758	36.4	Heart Diseases		1,037	31.7
1,414	29.3	Malignant Neoplasms		1,302	39.8
313	6.5	Acquired Immunodeficiency Syndrome (AIDS)		49	1.5
145	3.0	Cerebrovascular Disease		127	3.9
178	3.7	Chronic Liver Disease and Cirrhosis		79	2.4
93	1.9	Diabetes Mellitus		113	3.5
133	2.8	Pneumonia and Influenza		70	2.1
96	2.0	Chronic Obstructive Pulmonary Disease		84	2.6
91	1.9	Accidents Except Drug Poisoning		43	1.3
84	1.7	Alcohol Dependence		19	0.6
526	10.9	All Other Causes		346	10.6
4,831	100.0	Total		3,269	100.0
		65 TO 74 YEARS			
3,287	44.1	Heart Diseases		2,696	43.5
2,352	31.5	Malignant Neoplasms		2,023	32.6
212	2.8	Cerebrovascular Disease		239	3.9
242	3.2	Pneumonia and Influenza		168	2.7
208	2.8	Chronic Obstructive Pulmonary Disease		192	3.1
157	2.1	Diabetes Mellitus		179	2.9
103	1.4	Chronic Liver Disease and Cirrhosis		69	1.1
95	1.3	Accidents Except Drug Poisoning		67	1.1
60	0.8	Hypertensive Disease		77	1.2
80	1.1	Acquired Immunodeficiency Syndrome (AIDS)		13	0.2
659	8.8	All Other Causes		476	7.7
7,455	100.0	Total		6,199	100.0
		75 TO 84 YEARS			
4,077	51.7	Heart Diseases		5,177	54.1
1,875	23.8	Malignant Neoplasms		2,026	21.2
442	5.6	Pneumonia and Influenza		433	4.5
268	3.4	Cerebrovascular Disease		422	4.4
243	3.1	Chronic Obstructive Pulmonary Disease		296	3.1
125	1.6	Diabetes Mellitus		201	2.1
112	1.4	Accidents Except Drug Poisoning		126	1.3
64	0.8	Hypertensive Disease		100	1.0
51	0.6	Diseases of Nervous System		60	0.6
35	0.4	Atherosclerosis		58	0.6
592	7.5	All Other Causes		670	7.0
7,884	100.0	Total		9,569	100.0
		85 AND OVER			
2,923	60.3	Heart Diseases		7,079	68.0
765	15.8	Malignant Neoplasms		963	9.3
417	8.6	Pneumonia and Influenza		745	7.2
123	2.5	Cerebrovascular Disease		404	3.9
118	2.4	Chronic Obstructive Pulmonary Disease		156	1.5
71	1.5	Accidents Except Drug Poisoning		115	1.1
49	1.0	Diabetes Mellitus		127	1.2
25	0.5	Hypertensive Disease		100	1.0
29	0.6	Atherosclerosis		94	0.9
33	0.7	Nephritis and Nephrosis		47	0.5
296	6.1	All Other Causes		573	5.5
4,849	100.0	Total		10,403	100.0

Table 5.

Deaths and Death Rates per 100,000 Population from Selected Causes by Health Center District of Residence, New York City, 1993

Health Center District	All Causes		Heart Disease		Malignant Neoplasms		AIDS		Pneumonia and Influenza		Cerebrovascular Disease		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence & Accidental Drug Poisoning		Accidents Except Drug Poisoning		Suicide		Homicide		Injury Undetermined		
	Population April 1, 1990	Rate Per 1,000	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
																													No.
NEW YORK CITY.....	7,322,564	73408*	10.0	29,873	408.0	15,040	205.4	6,002	82.0	3,029	41.4	2,278	31.1	1,565	21.4	959	13.1	1,216	16.6	1,145	15.6	1,431	19.5	558	7.6	2,007	27.4	200	2.7
MANHATTAN.....	1,487,536	14,489	9.7	4,713	316.8	2,825	189.9	2,018	135.7	754	50.7	502	33.7	333	22.4	195	13.1	257	17.3	245	16.5	255	17.1	136	9.1	345	23.2	38	2.6
Central Harlem.....	115,483	1,983	17.2	564	488.4	368	318.7	240	207.8	88	76.2	56	48.5	45	39.0	23	19.9	56	48.5	35	30.3	38	32.9	11	9.5	83	71.9	6	5.2
East Harlem.....	127,258	1,466	11.5	395	310.4	240	188.6	277	217.7	78	61.3	41	32.2	36	28.3	37	29.1	41	32.2	31	24.4	26	20.4	8	6.3	41	32.2	6	4.7
Kips Bay-Yorkville.....	235,583	2,012	8.5	841	357.0	446	189.3	144	61.1	120	50.9	97	41.2	42	17.8	10	4.2	14	5.9	21	8.9	26	11.0	23	9.8	10	4.2	5	2.1
Lower East Side.....	239,489	2,220	9.3	724	302.3	449	187.5	306	127.8	117	48.9	75	31.3	54	22.5	37	15.4	34	14.2	51	21.3	32	13.4	20	8.4	42	17.5	8	3.3
Lower West Side.....	294,275	2,765	9.4	862	292.9	547	185.9	583	198.1	149	50.6	73	24.8	62	21.1	35	11.9	36	12.2	34	11.6	48	16.3	37	12.6	20	6.8	4	1.4
Riverside.....	208,936	1,910	9.1	654	313.0	357	170.9	277	132.6	92	44.0	79	37.8	43	20.6	21	10.1	35	16.8	31	14.8	34	16.3	20	9.6	36	17.2	1	0.5
Washington Heights.....	266,512	2,133	8.0	673	252.5	418	156.8	191	71.7	110	41.3	81	30.4	51	19.1	32	12.0	41	15.4	42	15.8	51	19.1	17	6.4	113	42.4	8	3.0
BRONX.....	1,203,789	12,014	10.0	4,506	374.3	2,197	182.5	1,195	99.3	596	49.5	383	31.8	300	24.9	193	16.0	239	19.9	243	20.2	212	17.6	76	6.3	471	39.1	24	2.0
Fordham-Riverdale.....	245,226	2,642	10.8	1,197	488.1	517	210.8	179	73.0	151	61.6	73	29.8	66	26.9	33	13.5	37	15.1	27	11.0	49	20.0	13	5.3	68	27.7	3	1.2
Morrisania.....	144,743	1,552	10.7	394	272.2	254	175.5	269	185.8	75	51.8	46	31.8	36	24.9	30	20.7	38	26.3	56	38.7	31	21.4	11	7.6	81	56.0	4	2.8
Mott Haven.....	129,817	1,106	8.5	261	201.1	177	136.3	161	124.0	55	42.4	31	23.9	26	20.0	44	33.9	20	15.4	46	35.4	27	20.8	7	5.4	77	59.3	5	3.9
Pelham Bay.....	218,114	2,506	11.5	1,159	531.4	474	217.3	117	53.6	148	67.9	79	36.2	68	31.2	18	8.3	61	28.0	18	8.3	32	14.7	13	6.0	49	22.5	2	0.9
Tremont.....	190,532	1,322	6.9	319	167.4	179	93.9	231	121.2	56	29.4	53	27.8	23	12.1	30	15.7	34	17.8	59	31.0	32	16.8	6	3.1	116	60.9	5	2.6
Westchester.....	275,357	2,886	10.5	1,176	427.1	596	216.4	238	86.4	111	40.3	101	36.7	81	29.4	38	13.8	49	17.8	37	13.4	41	14.9	26	9.4	80	29.1	5	1.8
BROOKLYN.....	2,300,664	21,646	9.4	9,479	412.0	4,167	181.1	1,554	67.5	787	34.2	663	28.8	420	18.3	276	12.0	375	16.3	270	11.7	394	17.1	161	7.0	695	30.2	46	2.0
Bay Ridge.....	238,428	2,704	11.3	1,528	640.9	572	239.9	64	26.8	81	34.0	65	27.3	54	22.6	21	8.8	35	14.7	20	8.4	45	18.9	20	8.4	15	6.3	7	2.9
Bedford.....	232,911	2,178	9.4	687	295.0	396	170.0	238	102.2	96	41.2	81	34.8	36	15.5	42	18.0	54	23.2	41	17.6	43	18.5	13	5.6	121	52.0	4	1.7
Brownsville.....	278,444	2,474	8.9	908	326.1	481	172.7	208	74.7	72	25.9	80	28.7	49	17.6	41	14.7	52	18.7	37	13.3	61	21.9	21	7.5	142	51.0	3	1.1
Bushwick.....	182,574	1,434	7.9	421	230.6	209	114.5	188	103.0	62	34.0	62	34.0	34	18.6	31	17.0	34	18.6	22	12.0	33	18.1	8	4.4	98	53.7	4	2.2
Flatbush.....	502,102	4,007	8.0	1,886	375.6	796	158.5	229	45.6	116	23.1	132	26.3	57	11.4	29	5.8	59	11.8	25	5.0	76	15.1	32	6.4	136	27.1	7	1.4
Fort Greene.....	150,219	1,558	10.4	518	344.8	253	168.4	239	159.1	79	52.6	47	31.3	28	18.6	27	18.0	30	20.0	31	20.6	22	14.6	11	7.3	71	47.3	4	2.7
Gravesend.....	284,040	3,685	13.0	2,022	711.9	780	274.6	87	30.6	152	53.5	94	33.1	77	27.1	20	7.0	48	16.9	30	10.6	48	16.9	27	9.5	34	12.0	7	2.5
Red Hook-Gowanus.....	105,661	983	9.3	357	337.9	172	162.8	136	128.7	39	36.9	34	32.2	30	28.4	18	17.0	20	18.9	19	18.0	17	16.1	8	7.6	21	19.9	2	1.9
Sunset Park.....	170,313	1,399	8.2	679	398.7	270	158.5	76	44.6	41	24.1	28	16.4	32	18.8	24	14.1	17	10.0	20	11.7	23	13.5	12	7.0	31	18.2	3	1.8
Williamsburg-Greenpoint.....	155,972	1,224	7.8	473	303.3	238	152.6	89	57.1	49	31.4	40	25.6	23	14.7	23	14.7	26	16.7	25	16.0	26	16.7	9	5.8	26	16.7	5	3.2
QUEENS.....	1,951,598	17,009	8.7	8,134	416.8	3,570	182.9	755	38.7	601	30.8	522	26.7	359	18.4	201	10.3	256	13.1	177	9.1	369	18.9	119	6.1	285	14.6	34	1.7
Astoria.....	236,369	1,949	8.2	895	378.6	444	187.8	98	41.5	60	25.4	69	29.2	54	22.8	31	13.1	24	10.2	25	10.6	38	16.1	16	6.8	34	14.4	2	0.8
Corona.....	291,005	2,057	7.1	834	286.6	440	151.2	141	48.5	74	25.4	69	23.7	53	18.2	23	7.9	36	12.4	25	8.6	64	22.0	9	3.1	38	13.1	5	1.7
Flushing.....	456,393	3,735	8.2	1,893	414.8	851	186.5	86	18.8	140	30.7	104	22.8	80	17.5	39	8.5	54	11.8	37	8.1	58	12.7	34	7.4	30	6.6	5	1.1
Jamaica East.....	337,312	2,855	8.5	1,205	357.2	555	164.5	201	59.6	87	25.8	90	26.7	53	15.7	41	12.2	64	19.0	35	10.4	79	23.4	14	4.2	91	27.0	7	2.1
Jamaica West.....	361,199	3,556	9.8	1,866	516.6	646	178.8	145	40.1	133	36.8	85	23.5	70	19.4	39	10.8	43	11.9	31	8.6	70	19.4	24	6.6	68	18.8	10	2.8
Maspeth-Forest Hills.....	269,320	2,857	10.6	1,441	535.1	634	235.4	84	31.2	107	39.7	105	39.0	49	18.2	28	10.4	35	13.0	24	8.9	60	22.3	22	8.2	24	8.9	5	1.9
RICHMOND.....	378,977	3,333	8.8	1,573	415.1	830	219.0	140	36.9	175	46.2	90	23.7	96	25.3	33	8.7	54	14.2	18	4.7	45	11.9	20	5.3	31	8.2	3	0.8
NON-RESIDENTS.....	-	4,192	-	1,278	-	1,417	-	255	-	99	-	106	-	48	-	43	-	33	-	127	-	99	-	31	-	104	-	10	-
RESIDENCE UNKNOWN.....	-	725	-	190	-	34	-	85	-	17	-	12	-	9	-	18	-	2	-	65	-	57	-	15	-	76	-	45	-

*Deaths include events to non-residents

Table 6.

**Deaths by Place of Death
New York City, 1985-1993**

Place of Death	1985	1986	1987	1988	1989	1990	1991	1992	1993
Home	15,182	15,446	15,092	14,862	13,564	13,204	13,271	13,293	13,943
Hospital									
Voluntary	36,313	36,822	37,306	38,487	40,807	40,023	39,503	39,009	39,682
Proprietary	3,145	2,822	3,069	3,067	2,800	2,646	2,710	2,610	2,638
Municipal	11,218	11,003	11,392	11,579	10,957	10,202	9,376	8,517	8,845
Other Government	1,582	1,476	1,501	1,385	1,426	1,335	1,223	1,254	1,213
Nursing Home	4,972	5,416	5,279	5,679	3,790	3,891	3,791	3,848	4,564
Other Specified Place	2,440	2,717	2,809	2,758	2,613	2,574	2,547	2,468	2,516
Total	74,852	75,702	76,448	77,817	75,957	73,875	72,421	71,001	73,408

Table 7.

**Deaths by Ancestry and Borough of Residence
New York City, 1993**

Ancestry	Borough of Residence						Non Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican	4,452	1,190	1,807	1,005	312	46	79	13
Dominican	802	380	238	90	83	1	10	-
Colombian	181	18	6	19	130	-	6	2
Ecuadorian	136	31	27	22	53	-	3	-
Mexican	99	29	16	20	29	3	2	-
Cuban	370	146	63	32	107	5	13	4
Other Hispanic	2,837	556	698	798	552	48	99	86
African-American	15,252	3,684	3,102	5,036	2,704	183	443	100
American	12,021	2,712	1,298	2,797	3,104	1,101	991	18
Guyanese	204	4	17	101	76	2	4	-
Haitian	398	29	10	234	104	2	18	1
Jamaican	326	11	70	198	36	3	7	1
Trinidadian	122	3	4	87	20	-	8	-
All Other North, Central and South American	647	77	84	306	134	12	31	3
English	261	70	21	52	68	27	22	1
German	1,417	287	176	173	628	71	77	5
Irish	2,140	285	399	402	718	201	129	6
Italian	5,715	381	933	1,884	1,451	708	356	2
Polish	1,417	208	167	583	361	58	39	1
Russian	1,540	174	176	872	261	24	31	2
Other European	1,701	384	192	409	555	91	66	4
Chinese	777	295	22	188	222	20	25	5
Asian Indian	220	17	30	24	124	13	12	-
Korean	137	9	7	10	90	8	13	-
Filipino	126	22	5	21	52	16	10	-
Other Asian	334	54	21	106	120	7	26	-
Other & Not Stated	19,776	3,433	2,425	6,177	4,915	683	1,672	471
Total	73,408	14,489	12,014	21,646	17,009	3,333	4,192	725

DEATHS DUE TO EXTERNAL CAUSES BY AGE, NEW YORK CITY, 1993

Table 8.

Accidents

Type	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	1,493	52	23	25	40	87	197	196	148	137	162	426
Work	15	-	-	-	1	-	3	3	3	4	-	1
Accidental drug poisoning	62	3	-	1	-	3	12	23	15	3	-	2
Firearms	6	-	-	1	-	2	1	1	-	1	-	-
Home												
Poisoning (gas excepted)	5	-	2	-	-	-	3	-	-	-	-	-
Poisoning by gas and vapors	4	-	-	-	1	-	1	-	2	-	-	-
Falls	320	5	2	1	-	2	11	20	17	17	33	212
Fire and flames	115	11	5	3	2	2	12	11	7	14	15	33
Drowning	13	3	-	1	1	2	-	1	-	2	1	2
Suffocation	32	11	-	-	-	2	-	2	3	4	5	5
Other home accidents	33	3	-	-	-	-	3	1	1	6	4	15
Motor Vehicle												
Injury to pedestrian	295	4	10	10	5	16	30	36	27	45	40	72
Collision with other motor vehicle	62	1	-	-	3	13	10	10	7	2	7	9
Collision with fixed object	41	-	-	-	7	10	12	7	2	1	2	-
Non-collision	10	-	-	1	-	3	4	-	2	-	-	-
Other motor vehicle accident	143	3	1	4	9	20	41	26	12	9	9	9
Public Place												
Railroad and subway	39	-	-	1	4	2	12	10	4	4	-	2
Falls	143	1	1	-	2	4	13	23	18	8	33	40
Fire and flames	14	-	-	-	-	-	4	3	3	1	-	3
Drowning	21	-	-	-	3	4	7	2	2	3	-	-
Other	114	7	2	2	2	1	16	17	22	11	13	21
Late effects of accidents	6	-	-	-	-	1	2	-	1	2	-	-

Table 9.

Suicide

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	558	-	-	4	18	52	155	113	77	55	38	46
Poisoning by solid or liquid substances	85	-	-	1	2	1	18	25	15	10	3	10
Poisoning by gases and vapors	11	-	-	-	-	-	4	4	1	-	1	1
Hanging, strangulation and suffocation	136	-	-	-	2	12	40	23	17	15	10	17
Submersion (drowning)	12	-	-	-	1	-	6	2	2	-	1	-
Firearms and explosives	136	-	-	1	7	25	41	18	22	10	8	4
Jumping before moving object	21	-	-	-	1	1	5	8	1	2	2	1
Cutting and piercing instruments	14	-	-	-	-	1	5	2	2	1	1	2
Jumping from high place	140	-	-	2	5	12	36	29	17	17	11	11
Other and unspecified means	24	-	-	-	1	1	5	10	1	2	3	1

Table 10.

Homicide

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	2,007	44	9	27	242	399	638	354	161	60	44	29
Poisoning	2	1	-	-	-	-	-	-	-	-	-	1
Hanging and strangulation	77	5	3	1	2	10	20	16	10	2	3	5
Submersion (drowning)	3	3	-	-	-	-	-	-	-	-	-	-
Firearms and explosives	1,532	1	3	18	224	357	514	258	97	35	20	5
Cutting and piercing	222	2	2	4	15	22	70	54	31	10	6	6
Child battering	22	22	-	-	-	-	-	-	-	-	-	-
Fire and flames	7	-	1	-	-	-	1	3	-	1	1	-
Pushing from high place	4	-	-	-	-	1	-	-	2	-	-	-
Striking with object	42	3	-	2	-	1	8	10	8	2	2	6
Fight, brawl, or rape	0	-	-	-	-	-	-	-	-	-	-	-
Late effects	1	-	-	-	-	-	-	-	-	-	1	-
Legal intervention	6	-	-	-	-	3	2	-	1	-	-	-
Other and unspecified means	89	7	-	2	1	5	23	13	12	10	11	5

Table 11.

Other Injury, Undetermined Whether Accidentally or Purposely Inflicted

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	200	11	2	2	6	7	44	52	35	12	10	19
Fire and flames	4	-	-	-	-	-	1	-	1	1	-	2
Poisoning by solid or liquid substance	30	1	-	-	2	-	5	11	6	2	-	3
Poisoning by gases and vapors	3	-	-	-	-	-	1	-	-	1	-	1
Hanging, strangulation or suffocation	0	-	-	-	-	-	-	-	-	-	-	-
Submersion (drowning)	25	-	-	-	-	2	11	7	1	1	2	1
Firearms and explosives	3	-	-	-	1	2	-	-	-	-	-	-
Falling from high places	3	-	-	-	-	-	1	-	1	-	-	1
Other and unspecified means	136	10	2	2	3	3	26	34	27	8	8	13

Table 12

Deaths from AIDS by Age, Sex and Ethnic Group, New York City, 1983-1993

AGE GROUP/ETHNIC GROUP	MALE											FEMALE											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	
ALL AGES	Total	376	826	1,463	2,265	2,651	3,086	3,488	3,663	4,060	4,433	4,665	49	126	200	385	508	653	705	816	959	1,159	1,337
	Puerto Rican	53	134	203	357	484	499	664	560	586	662	685	12	42	43	89	98	148	161	166	172	204	258
	Other Hispanic	27	57	128	174	202	328	306	371	460	525	574	3	3	7	13	16	66	60	59	95	112	131
	Asian & Pacific Islander	7	4	20	16	19	25	33	26	30	29	19	1	1	-	2	2	1	3	3	2	3	6
	Other White	173	356	604	844	921	1,005	1,194	1,275	1,272	1,382	1,301	9	16	30	65	65	87	105	121	145	168	172
	Other Black	110	254	430	696	800	1,098	1,078	1,132	1,378	1,468	1,661	24	61	103	180	261	330	349	398	472	571	658
	Other & Unknown	6	21	78	178	225	131	213	299	334	367	425	-	3	17	36	66	21	27	69	73	101	112
UNDER 1	Total	1	3	6	7	16	16	18	17	13	7	12	1	5	5	14	20	5	16	21	9	4	13
	Puerto Rican	-	2	1	1	2	5	4	2	3	-	1	-	-	-	3	1	-	4	4	-	1	1
	Other Hispanic	-	-	1	-	1	-	6	2	1	1	2	-	2	-	1	1	1	3	1	-	-	2
	Asian & Pacific Islander	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other White	-	1	1	2	5	4	1	4	-	-	2	1	-	1	3	1	-	1	2	1	-	1
	Other Black	1	-	2	4	6	6	6	7	9	6	7	-	3	3	6	14	3	8	14	7	3	9
	Other & Unknown	-	-	-	-	2	1	1	2	-	-	-	-	-	1	1	3	1	-	1	-	-	-
1-14	Total	4	4	14	19	26	25	28	40	32	39	35	3	6	13	22	26	24	18	26	36	29	42
	Puerto Rican	1	1	1	2	6	5	6	8	6	5	4	-	3	2	3	4	3	8	9	2	7	7
	Other Hispanic	-	-	-	2	4	2	2	3	5	9	6	-	-	-	3	1	5	2	3	4	3	7
	Asian & Pacific Islander	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
	Other White	2	2	4	1	3	-	5	5	2	8	4	1	-	1	3	7	5	4	3	4	3	1
	Other Black	1	1	7	13	13	17	15	22	17	11	18	2	3	10	9	11	9	8	10	14	17	24
	Other & Unknown	-	-	-	1	-	1	-	2	2	6	3	-	-	-	3	3	1	1	2	5	3	3
15-24	Total	9	22	31	63	64	51	57	50	31	36	45	5	10	12	22	16	31	34	26	30	27	32
	Puerto Rican	2	6	8	15	16	12	16	10	6	12	2	1	5	2	7	3	11	12	4	5	4	6
	Other Hispanic	1	2	4	3	8	7	11	11	3	3	10	-	-	1	-	2	3	1	2	5	1	4
	Asian & Pacific Islander	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-
	Other White	3	4	5	18	10	11	6	8	5	4	5	-	-	1	3	1	5	6	5	3	8	5
	Other Black	2	10	13	21	22	17	23	17	14	16	23	4	4	4	11	9	12	11	11	13	13	14
	Other & Unknown	1	-	1	5	8	4	1	4	3	1	5	-	1	4	1	1	-	4	4	3	-	3
25-34	Total	132	272	496	743	866	982	963	973	1,005	982	998	22	74	97	186	245	288	294	315	321	366	377
	Puerto Rican	20	54	82	156	181	219	227	193	180	167	167	4	23	22	44	43	74	80	72	65	75	70
	Other Hispanic	10	19	40	56	59	114	93	110	159	138	196	1	-	3	3	9	27	32	23	35	53	51
	Asian & Pacific Islander	4	2	1	5	5	2	9	3	5	2	5	-	1	-	1	1	-	1	-	-	-	2
	Other White	46	100	194	238	282	254	298	303	267	275	246	4	13	16	38	29	31	42	49	55	48	43
	Other Black	52	91	153	234	260	343	281	299	307	317	298	13	37	49	87	129	146	129	152	142	156	181
	Other & Unknown	-	6	26	54	79	50	55	65	87	83	86	-	-	7	13	34	10	10	19	24	34	30
35-44	Total	162	335	601	937	1,058	1,298	1,517	1,675	1,943	2,074	2,121	12	24	56	107	147	236	261	318	389	510	618
	Puerto Rican	25	58	85	136	193	191	280	245	264	311	297	5	9	15	28	34	44	47	58	67	81	117
	Other Hispanic	9	23	42	76	75	129	117	164	197	218	232	2	1	3	5	1	24	13	21	32	35	45
	Asian & Pacific Islander	3	1	9	5	7	15	14	15	20	13	6	-	-	-	-	-	-	1	2	1	-	2
	Other White	81	141	254	351	365	427	499	588	632	659	617	1	1	6	13	19	38	34	42	60	70	89
	Other Black	39	105	176	289	334	497	515	524	678	708	777	4	11	29	49	75	122	156	166	200	274	314
	Other & Unknown	5	7	35	80	84	39	92	139	152	165	192	-	2	3	12	18	8	10	29	29	50	51
45-54	Total	48	138	233	363	430	514	641	671	730	930	1,048	4	4	11	24	37	49	54	71	123	157	190
	Puerto Rican	4	10	22	34	63	58	105	78	94	129	163	2	1	2	2	12	12	14	14	18	30	41
	Other Hispanic	6	13	30	26	42	57	55	62	64	111	83	-	-	-	1	2	5	5	4	13	16	15
	Asian & Pacific Islander	-	1	5	3	5	4	8	7	3	12	8	-	-	-	-	-	1	-	-	-	1	2
	Other White	24	80	102	164	166	210	263	275	251	318	306	1	1	3	3	3	2	9	11	15	28	24
	Other Black	14	29	62	109	112	161	170	189	250	276	388	1	2	5	13	15	28	25	30	68	75	88
	Other & Unknown	-	5	12	27	42	24	40	60	68	84	100	-	-	1	5	5	1	1	12	9	7	20
55 & OVER	Total	20	52	82	133	191	200	264	237	306	365	406	2	3	6	10	17	20	28	39	51	66	65
	Puerto Rican	1	3	4	13	23	9	26	24	33	38	51	-	1	-	2	1	3	1	6	8	11	16
	Other Hispanic	1	-	11	11	13	19	22	19	31	45	45	-	-	-	-	-	1	4	5	6	4	7
	Asian & Pacific Islander	-	-	2	2	2	4	2	1	2	2	-	1	-	-	-	1	-	1	1	-	-	-
	Other White	17	28	44	70	90	99	122	92	115	118	121	1	1	2	2	5	6	9	9	7	11	9
	Other Black	1	18	17	26	53	57	68	74	103	134	150	-	1	3	5	8	10	12	15	28	33	28
	Other & Unknown	-	3	4	11	10	12	24	27	22	28	39	-	-	1	1	2	-	1	3	2	7	5

Note: For 1983-1986, acquired immunodeficiency syndrome (AIDS) is ICD-9 code 279.1; beginning in 1987, it is code 042. In 1982, 30 deaths were attributed to AIDS.

Table 13.

Characteristics of Decedents With Selected Causes of Death, New York City, 1993

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics								
		Ethnic Group						Male	Never Married	Age Under 20
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other & Unknown			
All Causes	73,408	6.1	6.0	2.2	53.7	24.2	7.8	52.1	25.3	3.1
AIDS	6,002	15.7	11.7	0.4	24.5	38.6	8.9	77.7	64.8	1.8
Chronic Liver Disease & Cirrhosis	959	17.7	10.2	1.8	35.3	24.1	10.8	70.9	29.2	0.2
Drug Dependence and Accidental Drug Poisoning	1,145	11.6	17.7	0.6	33.2	35.9	1.0	79.8	56.1	1.3
Motor Vehicle Accidents	551	6.2	16.2	3.8	43.9	26.9	3.1	73.1	44.5	10.5
Other Accidents	880	6.8	11.4	2.8	51.8	25.1	2.0	60.3	33.3	8.9
Suicide	558	5.7	10.2	3.6	56.5	20.8	3.2	76.0	50.2	3.9
Homicide	2,007	9.4	24.3	2.1	11.3	50.7	2.2	85.1	65.6	16.0
Injury Undetermined	200	5.5	10.0	2.0	46.0	28.5	8.0	71.5	46.0	11.0
All Other Causes	61,106	4.7	4.4	2.3	58.8	21.7	8.1	47.1	18.9	2.7

Table 14.

Life Expectancy at Specified Ages by Sex and Race
New York City and the United States, 1980 and 1990

Exact Age	Male											
	New York City						United States					
	1980			1990			1980			1990		
Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black	
0	68.5	69.9	64.1	68.0	70.0	64.5	70.0	70.7	63.7	71.8	72.7	64.5
1	68.6	69.9	64.5	68.0	69.7	64.6	70.0	70.6	64.2	71.6	72.3	64.8
5	64.8	66.1	60.7	64.2	65.8	60.8	66.1	66.8	60.5	67.7	68.5	61.0
10	59.5	61.2	55.9	59.3	60.9	55.9	61.3	61.9	55.6	62.8	63.5	56.1
15	55.0	56.3	50.9	54.3	56.0	51.0	56.4	57.0	50.7	57.9	58.6	51.3
20	50.4	51.6	46.3	49.8	51.3	46.6	51.8	52.4	46.0	53.3	54.0	46.7
25	45.9	47.0	42.1	45.4	46.8	42.4	47.3	47.8	41.7	48.7	49.3	42.4
30	41.5	42.5	38.1	41.0	42.4	38.3	42.7	43.2	37.4	44.1	44.7	38.2
35	37.1	38.0	34.0	37.0	38.3	34.5	38.1	38.6	33.2	39.6	40.1	34.1
40	32.8	33.5	30.0	33.3	34.5	31.2	33.5	34.0	29.1	35.1	35.6	30.1
45	28.6	29.2	26.2	29.6	30.7	27.9	29.1	29.4	25.2	30.7	31.1	26.2
50	24.6	25.1	22.7	25.9	26.8	24.4	24.9	25.2	21.6	26.4	26.7	22.5
55	20.9	21.2	19.5	22.2	23.0	21.1	21.0	21.2	18.4	22.3	22.5	19.0
60	17.4	17.5	16.5	18.7	19.3	18.0	17.4	17.5	15.5	18.5	18.7	15.9
65	14.2	14.3	13.9	15.4	15.9	15.1	14.1	14.2	12.9	15.1	15.2	13.2
70	11.4	11.3	11.5	12.5	12.8	12.6	11.3	11.3	10.5	12.0	12.1	10.7
75	9.0	8.9	9.5	9.8	10.0	10.5	8.8	8.8	8.3	9.4	9.4	8.6
80	6.8	6.8	7.6	7.5	7.6	8.6	6.7	6.7	6.3	7.1	7.1	6.7
85	5.4	5.3	6.8	5.9	5.9	7.2	5.0	5.0	4.5	5.2	5.2	5.0

Exact Age	Female											
	New York City						United States					
	1980			1990			1980			1990		
Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black	
0	76.4	77.5	73.5	77.2	78.8	75.6	77.5	78.1	72.3	78.8	79.4	73.6
1	76.5	77.3	73.8	77.2	78.5	75.7	77.4	77.9	72.7	78.4	78.9	73.8
5	72.6	73.5	70.0	73.3	74.6	71.9	73.5	74.0	69.0	74.5	75.0	70.0
10	67.7	68.6	65.2	68.4	69.7	66.9	68.6	69.1	64.1	69.6	70.1	65.1
15	62.8	63.6	60.2	63.5	64.8	62.0	63.7	64.2	59.2	64.7	65.2	60.2
20	57.9	58.7	55.4	58.6	59.9	57.1	58.9	59.4	54.3	59.8	60.3	55.3
25	53.1	53.9	50.6	53.8	55.0	52.4	54.0	54.5	49.5	55.0	55.4	50.6
30	48.3	49.1	46.0	49.1	50.3	47.7	49.2	49.7	44.8	50.1	50.6	45.9
35	43.6	44.3	41.4	44.5	45.6	43.3	44.4	44.9	40.2	45.3	45.8	41.3
40	38.9	39.5	36.8	40.0	41.0	39.1	39.7	40.1	35.7	40.6	41.0	36.8
45	34.4	34.9	32.6	35.5	36.4	34.8	35.0	35.4	31.4	35.9	36.2	32.4
50	30.0	30.4	28.5	31.1	31.9	30.6	30.6	30.9	27.3	31.3	31.6	28.2
55	25.8	26.1	24.6	26.9	27.5	26.6	26.3	26.5	23.4	27.0	27.2	24.2
60	21.8	22.0	21.0	22.8	23.4	22.7	22.2	22.4	19.8	22.8	23.0	20.5
65	18.1	18.2	17.6	19.1	19.5	19.2	18.3	18.5	16.5	18.9	19.1	17.2
70	14.5	14.5	14.5	15.5	15.8	16.0	14.8	14.8	13.4	15.3	15.4	14.1
75	11.3	11.3	11.7	12.3	12.4	13.2	11.5	11.5	10.7	12.0	12.0	11.2
80	8.5	8.4	9.3	9.4	9.4	10.6	8.6	8.6	8.2	9.0	9.0	8.6
85	6.5	6.3	7.7	7.0	7.0	8.6	6.4	6.3	6.1	6.4	6.4	6.3

Note: Life expectancy figures for 1980 are different from those published in 1990 and earlier. Life expectancy figures for 1950, 1960 and 1970 appear in the annual Vital Statistics Summaries for 1990 and earlier. Total includes races other than white and black. See Technical Notes.

Table 15.

Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-1991

Age	1909-1911		1919-1920		1929-1931		1939-1941		1949-1951		1959-1961		1969-1971		1979-1981		1989-1991	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8	7.6	6.0	8.2	6.4	6.6	5.3	4.1	3.4	3.8	3.1
5-9	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8	0.6	0.5	0.7	0.5	0.6	0.4	0.4	0.2	0.2	0.2
10-14	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7	0.6	0.4	0.5	0.3	0.5	0.3	0.3	0.2	0.3	0.2
15-19	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1	0.9	0.6	0.9	0.5	1.8	0.7	1.3	0.5	1.7	0.4
20-24	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6	1.3	0.9	1.5	0.7	2.9	0.9	2.4	0.7	2.5	0.7
25-29	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0	1.4	1.2	1.7	1.0	2.8	1.1	2.7	0.8	3.2	1.0
30-34	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4	2.0	1.6	2.4	1.6	3.3	1.7	3.1	1.1	5.0	1.8
35-39	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2	3.2	2.2	3.5	2.3	4.8	2.5	3.7	1.6	7.4	2.4
40-44	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8	5.5	3.6	5.6	3.5	6.7	3.6	5.2	2.5	8.4	2.6
45-49	20.8	14.3	15.2	12.1	14.8	10.5	11.7	7.4	8.9	5.3	8.6	5.0	9.5	5.3	7.8	3.9	9.0	3.5
50-54	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5	14.5	8.3	13.7	7.2	13.5	7.3	11.0	5.8	11.1	5.3
55-59	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5	22.6	12.8	19.7	9.8	19.8	9.9	15.6	8.4	14.5	7.6
60-64	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8	32.9	20.5	30.0	15.8	28.3	13.4	23.2	12.7	20.1	11.6
65-69	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8	46.2	29.7	43.4	24.2	41.1	20.3	33.4	17.8	28.5	16.9
70-74	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5	68.0	49.7	61.1	40.7	57.3	32.6	49.9	27.3	41.9	25.3
75-79	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3	95.9	77.0	87.7	65.6	83.1	55.3	71.0	42.7	60.6	37.8
80-84	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5	134.0	121.2	138.9	117.1	120.3	91.7	109.9	75.9	95.9	62.1
85 & Over	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2	202.8	183.8	206.6	198.3	167.0	155.6	185.2	154.2	169.6	142.9

Note: Rates for 1979-1981 and 1989-1991 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents. See Technical Notes.

Table 16.

Average Yearly Age-Sex-Race Adjusted Death Rates for Selected Causes per 100,000 Population
New York City, 1901-1991

Cause of Death	1901-1903	1909-1911	1919-1920	1929-1931	1939-1941	1949-1951	1959-1961	1969-1971	1979-1981	1989-1991
All causes	2,324.2	1,934.1	1,691.4	1,449.0	1,128.1	885.8	813.3	771.1	549.3	606.6
Respiratory tuberculosis	241.0	191.4	143.7	73.7	48.6	25.2	7.3	3.0	0.8	1.2
Other forms of tuberculosis	31.2	25.2	22.0	10.9	5.2	2.1	0.5	0.3	0.2	0.5
Influenza and pneumonia	302.8	260.8	301.7	178.6	60.3	30.7	36.4	29.0	15.2	22.2
Malignant neoplasms	116.8	124.8	134.3	156.0	176.9	170.6	162.9	161.2	126.0	128.0
Diabetes	23.3	25.4	26.5	35.8	43.6	17.0	14.8	15.9	10.3	7.1
Appendicitis	13.4	13.6	14.6	16.9	9.4	2.3	1.2	0.5	0.2	0.1
Nephritis	244.8	181.9	141.6	63.3	52.6	6.7	5.5	3.5	2.3	4.9
Diseases of circulatory system	258.6	383.2	427.7	506.7	421.1	404.8	355.8	306.6	239.1	228.7
Chronic liver disease and cirrhosis	*	*	*	*	*	*	*	*	23.5	11.8
Chronic obstructive pulmonary diseases	*	*	*	*	*	*	*	*	9.3	13.1
AIDS	*	*	*	*	*	*	*	*	*	55.0
Other HIV	*	*	*	*	*	*	*	*	*	1.6
Total accidents	108.2	87.8	73.8	81.3	55.9	38.4	28.1	22.7	18.2	21.6
Auto accidents	*	*	14.9	22.6	12.8	7.3	7.7	11.0	8.4	9.4
Other accidents	*	*	58.9	58.7	43.1	31.0	20.3	11.6	9.8	12.1
Suicide	26.8	21.2	14.1	21.3	14.3	9.7	9.2	6.4	9.4	9.0
Homicide	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	21.8	22.6

Note: Rates for 1979-1981 and 1989-1991 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents. See Technical Notes.

For 1901-1903 and 1909-1911 rates are adjusted for age and sex. For other years, rates are adjusted for age, sex and race (white and others). Standard is United States population, 1940.

* Data are not available or not applicable until a later time period.

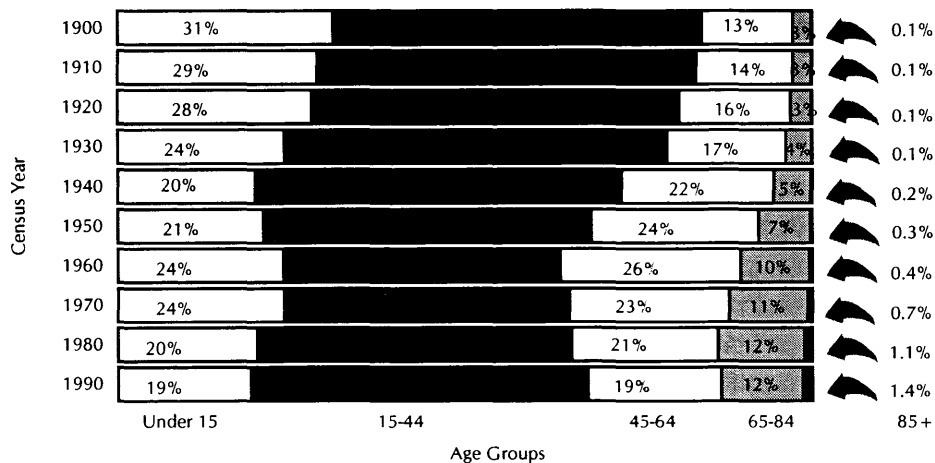


Figure 1. Changes in Age Composition of the Population New York City, 1900-1990

The age composition of the New York City population reflects changes in life expectancy, and natural historic trends. From 1900 to 1990, the proportion of city residents age 45 and over doubled, from 16% to 32%; the increase was greatest in the oldest age group, those 85 & over. The effect of the economic depression of the 1930's on the number of live births is seen in the lower percentage of residents under age 15 in 1940, while the post World War II baby boom increased this segment rapidly after 1950.

Figure 2. Age and Sex Composition of the Population New York City, 1990

This age-sex pyramid shows that there are more females than males in the New York City, 1990 population, and that the excess is greater at the older ages. The smaller segment of both males and females in age group 5-9 years reflect the lower number of births in the early 1980's, compared to the larger number in the second half of the 1980's.

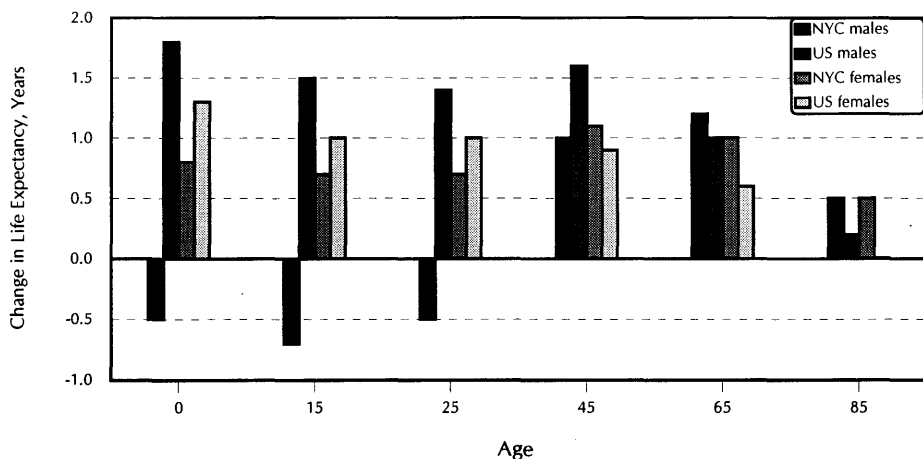
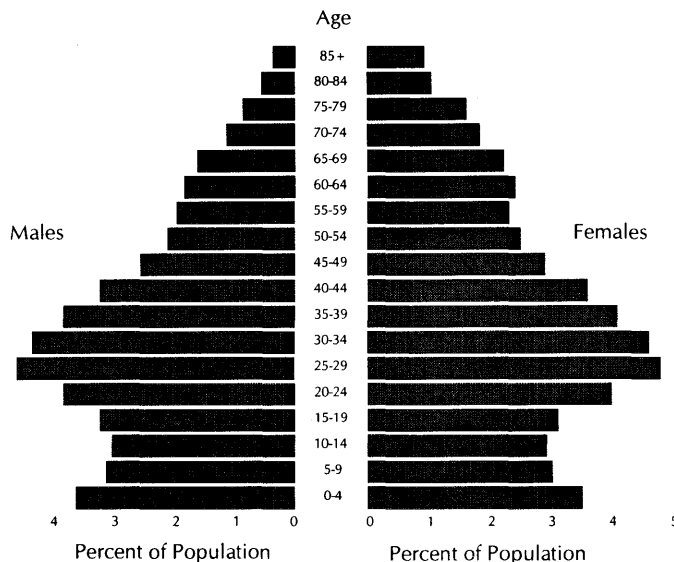


Figure 3. Changes in Life Expectancy at Selected Ages by Sex, 1980 and 1990 New York City and United States

Between 1980 and 1990, life expectancy for male New York City residents at birth, at ages 15 and 25 declined about one half year, while life expectancy for all United States males at these ages increased about one and one half years. Life expectancy for New York City females increased but less than for all United States females. At selected older ages New York City male residents showed somewhat greater increase in life expectancy than did males nationwide. New York City female residents achieved greater gains in life expectancy than did all United States females at these later ages. The decline in life expectancy among New York City males has been attributed to deaths due to AIDS and related infections.

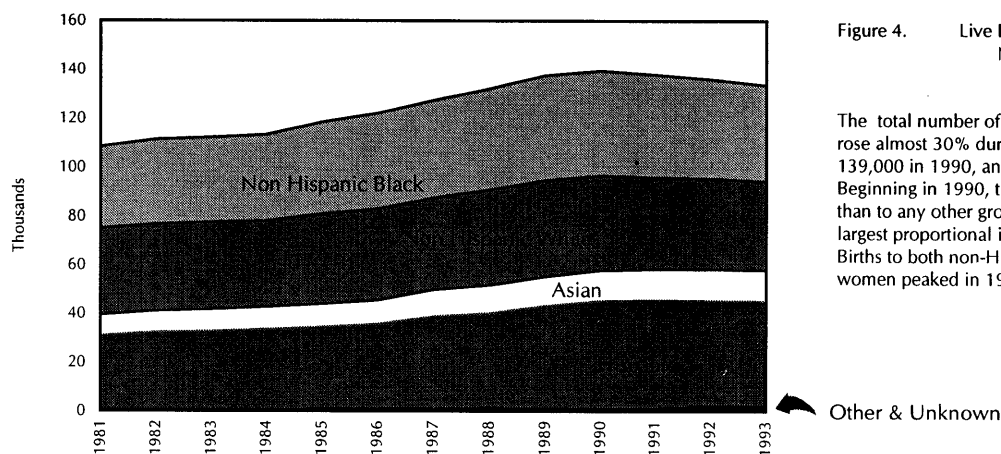


Figure 4. Live Births by Mother's Ethnic Group
New York City, 1981-1993

The total number of live births registered in New York City rose almost 30% during the 1980's from 108,000 in 1981 to 139,000 in 1990, and declined 4.3% in 1993 to 133,000. Beginning in 1990, there were more births to Hispanic women than to any other group. Births to Hispanic mothers showed the largest proportional increase from 1981 to 1993, almost 42%. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989, and declined slightly thereafter.

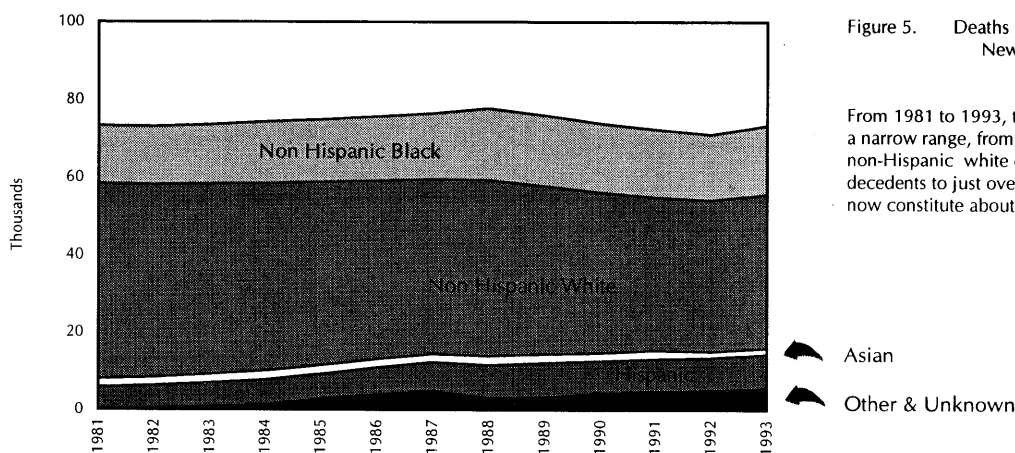


Figure 5. Deaths by Ethnic Group of Decedent
New York City, 1981-1993

From 1981 to 1993, the annual number of deaths varied within a narrow range, from 73,000 to under 78,000. The number of non-Hispanic white decedents declined from two-thirds of all decedents to just over half. Deaths among non-Hispanic blacks now constitute about one-quarter of New York City deaths.

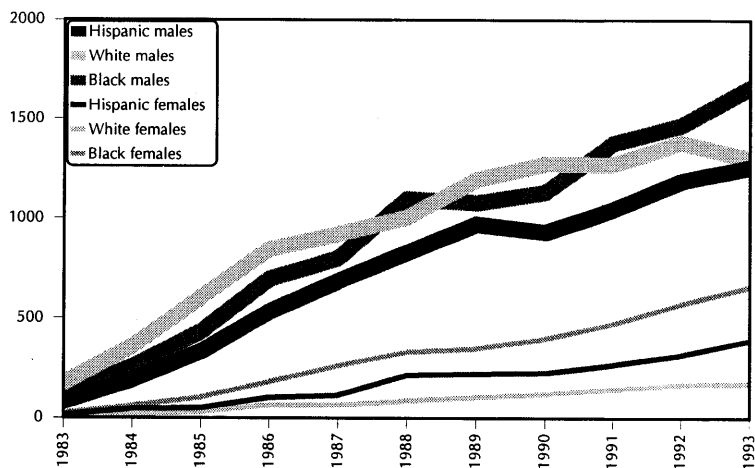


Figure 6. Deaths Due to AIDS by Sex and Selected Ethnic Group
New York City, 1983-1993

Although there continue to be more AIDS deaths among males than among females, the ratio has declined since 1987, from about six-to-one to about four-to-one. Among males, there are now more deaths among non-Hispanic blacks than among non-Hispanic whites. Among females, most AIDS deaths occur among non-Hispanic black women, followed by Hispanic women. In both sexes, there is no apparent levelling of deaths.

Table 17.

Deaths and Death Rates per 100,000 Population from

Cause (ICD-9 Codes ⁽¹⁾)	ANNUAL										
	1901- 1905	1906- 1910	1911- 1915	1916- 1920	1921- 1925	1926- 1930	1931- 1935	1936- 1940	1941- 1945	1946- 1948	1949- 1951
Infant deaths (under 1 year).....	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882
Rate per 1,000 live births.....	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5
Neonatal deaths (under 28 days).....	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989
Rate per 1,000 live births.....	**	**	37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9
Early neonatal deaths (under 7 days).....	**	**	**	**	**	**	**	2,110	2,338	2,845	2,604
Rate per 1,000 live births.....	**	**	**	**	**	**	**	20.5	18.5	17.7	16.4
Fetal deaths 28 weeks gestation & over.....	**	**	**	**	**	**	**	2,589	2,709	2,902	2,441
Ratio per 1,000 live births.....	**	**	**	**	**	**	**	25.3	21.4	18.1	15.4
Perinatal mortality rate ⁽²⁾	**	**	**	**	**	**	**	44.7	39.1	35.1	31.3
Complications of pregnancy, childbirth and the puerperium (630-676).....	694	745	694	664	689	651	608	372	255	178	115
Rate per 10,000 live births.....	53.7	51.7	49.4	48.8	52.8	51.8	57.3	36.3	20.2	11.1	7.3
Respiratory tuberculosis (010-012).....	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932	2,173
Rate.....	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7	27.4
Other forms of tuberculosis (013-018).....	**	**	**	**	**	**	**	**	**	225	174
Rate.....	**	**	**	**	**	**	**	**	**	2.9	2.2
Acquired immunodeficiency syndrome (042) ⁽³⁾	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**
Measles (055).....	616	925	630	559	405	255	107	31	14	16	10
Rate ⁽⁴⁾	144.0	191.8	119.8	100.5	73.2	46.8	21.4	6.5	2.6	2.4	1.4
Malignant neoplasms, all (140-208).....	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627	15,556
Rate.....	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2	196.0
Trachea, bronchus and lung, male (162).....	**	**	**	**	**	**	**	**	**	828	847
Rate.....	**	**	**	**	**	**	**	**	**	21.9	22.2
Trachea, bronchus and lung, female (162).....	**	**	**	**	**	**	**	**	**	220	179
Rate.....	**	**	**	**	**	**	**	**	**	5.5	4.4
Breast, female (174).....	**	**	**	**	**	**	**	**	**	1,429	1,476
Rate.....	**	**	**	**	**	**	**	**	**	35.9	36.4
Diabetes mellitus (250).....	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423	1,583
Rate.....	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0	19.9
Circulatory system (390-459).....	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539	36,206
Rate.....	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7	456.3
Cerebrovascular disease (430-438).....	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099
Rate.....	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7	64.3
Pneumonia & Influenza (480-487).....	10,425	10,985	10,528	17,136	8,935	9,989	8,205	5,337	3,453	3,014	2,469
Rate.....	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8	31.2
Other respiratory (460-478, 490-519).....	3,224	2,307	1,458	1,407	689	622	594	536	492	424	450
Rate.....	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5	5.7
Chronic liver disease & cirrhosis (571).....	814	1,076	900	500	338	413	584	922	1,052	1,500	1,500
Rate.....	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5	19.2
Nephritis, nephrosis, etc (580-589).....	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574	570
Rate.....	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1	7.2
Drug dependence (304).....	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**
Accidental drug poisoning ⁽⁵⁾	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**
Motor vehicle accidents (E810-E825).....	**	**	253	658	929	1,175	1,167	920	728	635	600
Rate.....	**	**	5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2	7.6
Home Accidents.....	**	**	**	**	**	**	**	1,546	1,823	1,941	1,699
Rate.....	**	**	**	**	**	**	**	21.0	24.0	25.0	21.4
Other accidents (Rest of E800-E949).....	3,521	3,549	3,516	3,426	3,138	3,574	3,205	3,107	3,091	3,255	2,707
Rate.....	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9	34.3
Suicide (E950-E959).....	761	825	686	742	842	1,163	1,369	1,191	907	930	863
Rate.....	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0	10.9
Homicide (E960-E978, E990-E999).....	143	247	293	271	334	405	522	351	265	362	318
Rate.....	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7	4.0
Injury, undetermined whether accidentally or purposely inflicted (E980-E989).....	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**

** Data are not available or not applicable until a later time period.

(1) Numbers following causes are codes of the International Classification of Diseases, Ninth Revision.

(2) Perinatal mortality rate = $\frac{\text{fetal deaths 28 weeks and over} + \text{infant deaths under 7 days}}{\text{fetal deaths 28 weeks and over} + \text{live births}} \times 1,000$

(3) Acquired immunodeficiency syndrome (AIDS) was first reported as a cause of death in 1982. From 1982 to 1986, the ICD code was 279.1; beginning 1987 it is code 042.

(4) Rate per 100,000 population under 5 years of age.

(5) Accidental drug poisoning includes ICD codes E850.0, E854.1, E855.2, E858.8.

(6) Data for 1982-1985.

(7) Rate less than 0.05.

Selected Causes, New York City, 1901-1993

AVERAGE

1952-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986	1987	1988	1989	1990	1991	1992	1993
4,021	4,290	4,333	3,477	2,312	1,875	1,624	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366
24.6	25.7	26.2	23.6	19.9	17.4	14.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2
3,032	3,220	3,226	2,602	1,714	1,333	1,097	1,078	1,139	1,232	1,253	1,091	1,089	941	917
18.5	19.3	19.5	17.7	14.8	12.3	9.7	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9
2,713	2,909	2,922	2,351	1,480	1,131	927	909	977	1,027	1,039	908	896	783	769
16.6	17.4	17.7	16.0	12.8	10.5	8.2	7.4	7.7	7.8	7.5	6.5	6.5	5.8	5.8
2,310	2,362	2,276	1,885	1,288	835	719	643	741	689	721	696	648	970	692
14.1	14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.8	5.2	5.2	5.0	4.7	7.1	5.2
30.2	31.1	31.0	28.4	23.6	18.1	14.5	12.7	13.4	10.0	12.7	11.4	11.1	12.8	10.9
102	107	109	73	36	28	33	29	28	26	29	35	24	30	20
6.2	6.4	6.6	5.0	3.1	2.6	2.9	2.4	2.2	2.0	2.1	2.5	0.3	2.2	1.5
1,178	824	624	432	235	141	125	160	154	200	173	182	197	155	135
15.0	10.6	8.0	5.5	3.1	2.0	1.7	2.2	2.1	2.8	2.4	2.5	2.7	2.1	1.8
97	52	43	39	32	22	35	26	65	46	63	74	57	45	31
1.2	0.7	0.6	0.5	0.4	0.3	0.5	0.4	0.9	0.6	0.9	1.0	0.8	0.6	0.4
**	**	**	**	**	**	768 ⁽⁶⁾	2,650	3,159	3,739	4,193	4,479	5,019	5,592	6,002
12	12	8	2	1	0	10.7	36.7	43.6	51.4	57.5	61.2	68.5	76.4	82.0
1.8	1.8	1.1	0.2	0.2	-	0	0	0	0	0	3	6	1	0
16,553	16,869	17,398	17,814	17,315	16,549	15,889	15,861	15,822	15,655	15,208	15,513	15,255	15,228	15,040
210.6	216.1	222.1	226.3	226.3	228.7	222.3	219.6	218.3	215.3	208.4	211.9	208.3	208.0	205.4
1,021	1,157	1,294	1,890	2,434	2,387	2,217	2,126	2,266	2,281	2,150	2,184	2,138	2,097	2,094
27.0	30.9	34.8	51.0	68.1	71.0	66.7	63.0	66.9	67.0	62.8	63.5	62.2	61.0	60.9
228	261	303	474	777	970	1,169	1,289	1,313	1,275	1,318	1,378	1,403	1,420	1,460
5.6	6.4	7.4	11.4	19.1	25.0	30.6	33.5	34.0	33.0	34.0	35.5	36.1	36.6	37.6
1,517	1,573	1,694	1,787	1,723	1,622	1,533	1,526	1,499	1,581	1,545	1,532	1,496	1,518	1,490
37.3	38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	40.9	39.9	39.4	38.5	39.1	38.4
1,644	1,581	1,789	1,867	2,064	1,547	1,436	1,370	1,332	1,302	997	991	998	1,055	1,216
20.9	20.3	22.9	23.7	27.0	21.4	20.1	19.0	18.4	17.9	13.7	13.5	13.6	14.4	16.6
37,724	38,988	39,943	41,981	40,639	37,978	37,818	35,246	33,967	33,793	32,665	31,966	31,971	32,096	33,601
479.9	499.5	510.2	532.4	531.1	524.8	529.1	488.0	468.7	464.7	447.6	436.5	436.6	438.3	458.9
5,688	6,013	6,174	6,277	5,433	4,174	3,194	3,230	2,946	2,856	2,893	2,709	2,556	2,189	2,278
72.4	77.0	78.9	79.7	71.0	57.7	44.7	44.7	40.7	39.3	39.6	37.0	34.9	29.9	31.1
2,664	3,459	3,394	3,562	3,164	3,000	2,740	3,257	3,175	3,327	3,397	3,612	3,172	2,719	3,029
33.9	44.3	43.4	45.2	41.4	41.5	38.3	45.1	43.8	45.8	46.6	49.3	43.3	37.1	41.4
461	651	960	1,425	1,627	1,583	1,941	2,525	2,513	2,548	2,541	2,408	2,087	1,881	1,959
5.9	8.3	12.3	18.1	21.3	21.9	27.2	35.0	34.7	35.0	34.8	32.9	28.5	25.7	26.8
1,440	1,858	2,386	2,936	2,440	2,185	1,789	1,532	1,432	1,377	1,086	1,016	958	990	959
18.3	23.8	30.5	37.3	31.9	30.2	25.0	21.2	19.8	18.9	14.9	13.9	13.1	13.5	13.1
556	573	509	447	372	381	383	689	791	931	970	699	450	327	327
7.1	7.3	6.5	5.7	4.9	5.3	5.4	9.5	10.9	12.8	13.3	9.5	6.1	4.5	4.5
81	96	263	551	677	414	573	767	956	1,208	591	413	781	803	1,083
1.0	1.2	3.4	7.0	8.8	5.7	8.0	10.6	13.2	16.6	8.1	5.6	10.7	11.0	14.8
**	**	**	**	**	**	(7)	0	0	(7)	429	282	59	55	62
634	655	714	887	834	606	477	514	622	618	663	704	631	586	551
8.1	8.4	9.1	11.3	10.9	8.4	6.7	7.1	8.6	8.5	9.1	9.6	8.6	8.0	7.5
1,568	1,095	951	871	755	525	486	555	485	603	752	552	517	472	525
19.9	14.0	12.1	11.1	9.9	7.3	6.8	7.7	6.7	8.3	10.3	7.5	7.1	6.4	7.2
2,450	2,091	1,947	1,730	1,239	926	812	791	677	857	1,151	922	364	428	355
31.2	26.8	24.9	22.0	16.2	12.8	11.4	11.0	9.3	11.8	15.8	12.6	5.0	5.8	4.8
649	711	908	680	641	711	603	593	502	557	703	646	649	605	558
8.3	9.1	11.6	8.6	8.4	9.8	8.4	8.2	6.9	7.7	9.6	8.8	8.9	8.3	7.6
340	366	592	992	1,663	1,700	1,763	1,635	1,691	1,943	1,970	2,272	2,209	2,041	2,007
4.3	4.7	7.6	12.6	21.7	23.5	24.7	22.6	23.3	26.7	27.0	31.0	30.2	27.9	27.4
**	**	**	946	1,062	699	696	661	790	727	186	158	144	141	200
			10.9	13.9	9.7	9.7	9.2	10.9	10.0	2.5	2.2	2.0	1.9	2.7

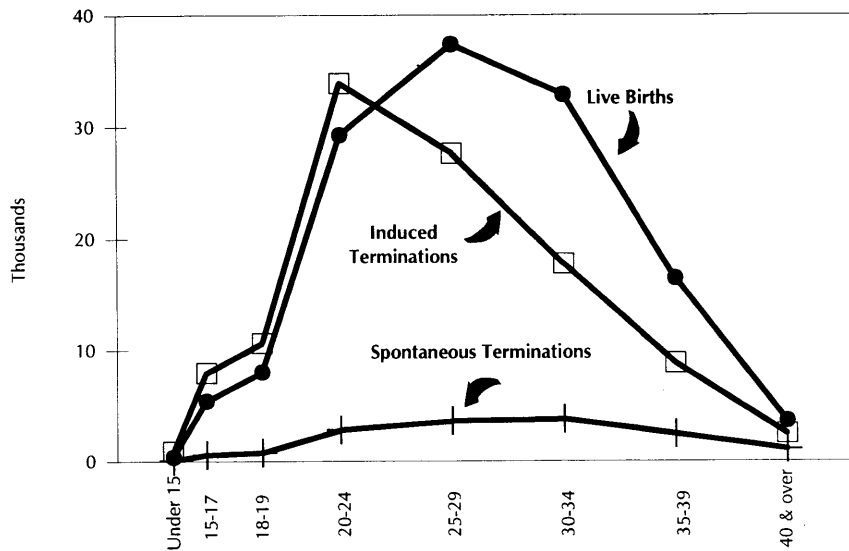


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman
New York City, 1993

There are almost 250,000 pregnancy outcomes reported in New York City annually. Over half are live births, about 40% are induced terminations and the remainder are spontaneous terminations, or fetal deaths. (The number of spontaneous terminations reported depends on the level of active surveillance.) For women under age 24, the outcome is more likely to be an induced or spontaneous termination than a live birth. Women age 30-34 and 35-39 are about twice as likely to have a live birth as an induced or spontaneous termination.

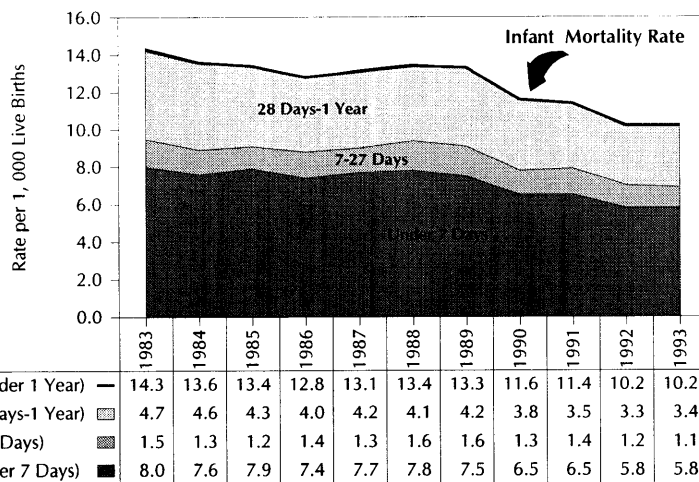


Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates
New York City, 1983-1993

The New York City infant mortality rate has declined 20% since 1983. The largest drop, 13%, occurred from 1989 to 1990. About 55% of infant deaths occur in the early neonatal period, under seven days of age, about 10% in the late neonatal period, 7 to 27 days, and about one-third from 28 days through the remainder of the first year of life. Similar declines have occurred in all three age groups.

Table 18.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 1993**

Borough of Residence/ Pregnancy Outcome	Total	Age of Woman								Unknown & Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
NEW YORK CITY	259,480	1,312	13,954	19,437	65,980	68,675	54,430	27,762	7,210	720
Live Births	133,583	393	5,425	8,030	29,278	37,410	32,866	16,445	3,648	88
Spontaneous Terminations	15,462	53	566	773	2,819	3,638	3,801	2,467	1,085	260
Induced Terminations	110,435	866	7,963	10,634	33,883	27,627	17,763	8,850	2,477	372
MANHATTAN	34,173	170	1,864	2,391	7,657	8,693	7,685	4,304	1,328	81
Live Births	20,956	84	988	1,242	3,987	5,374	5,384	3,063	821	13
Spontaneous Terminations	2,307	9	85	109	392	502	574	388	210	38
Induced Terminations	10,910	77	791	1,040	3,278	2,817	1,727	853	297	30
BRONX	42,723	255	2,884	3,759	12,169	11,566	7,781	3,415	783	111
Live Births	24,789	109	1,545	2,065	6,613	6,982	4,912	2,123	429	11
Spontaneous Terminations	2,727	19	160	177	620	695	585	324	111	36
Induced Terminations	15,207	127	1,179	1,517	4,936	3,889	2,284	968	243	64
BROOKLYN	82,997	460	4,559	6,529	22,365	21,622	16,412	8,591	2,266	193
Live Births	43,119	138	1,886	2,897	10,814	11,740	9,570	4,906	1,140	28
Spontaneous Terminations	4,815	13	171	247	907	1,112	1,162	766	362	75
Induced Terminations	35,063	309	2,502	3,385	10,644	8,770	5,680	2,919	764	90
QUEENS	47,363	160	1,934	3,066	11,531	13,409	10,671	5,219	1,254	119
Live Births	28,985	49	805	1,508	6,254	8,925	7,397	3,365	658	24
Spontaneous Terminations	2,728	9	66	120	506	675	660	471	177	44
Induced Terminations	15,650	102	1,063	1,438	4,771	3,809	2,614	1,383	419	51
RICHMOND	9,246	23	357	465	1,733	2,782	2,508	1,111	247	20
Live Births	6,141	11	135	202	933	2,030	1,910	797	121	2
Spontaneous Terminations	672	-	16	22	76	193	208	104	45	8
Induced Terminations	2,433	12	206	241	724	559	390	210	81	10
NON-RESIDENTS	18,000	80	613	933	3,053	4,258	5,143	3,101	781	38
Live Births	9,464	2	60	112	654	2,324	3,657	2,178	473	4
Spontaneous Terminations	749	-	7	10	64	124	241	203	88	12
Induced Terminations	7,787	78	546	811	2,335	1,810	1,245	720	220	22
RESIDENCE UNKNOWN	24,978	164	1,743	2,294	7,472	6,345	4,230	2,021	551	158
Live Births	129	-	6	4	23	35	36	13	6	6
Spontaneous Terminations	1,464	3	61	88	254	337	371	211	92	47
Induced Terminations	23,385	161	1,676	2,202	7,195	5,973	3,823	1,797	453	105

Table 19.

**Spontaneous Terminations of Pregnancy by Gestation and by Age of Woman
New York City, 1993**

Gestation in Weeks	Total	Age of Woman								40 & Over	Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39			
Total	15,462	53	566	773	2,819	3,638	3,801	2,467	1,085	260	
Under 13	9,043	28	311	425	1,610	2,116	2,203	1,526	706	118	
13-15	1,725	8	75	98	370	370	426	237	118	23	
16-19	1,246	7	55	72	236	292	338	177	59	10	
20-27	1,165	5	48	66	215	321	283	177	43	7	
28 & Over	692	1	24	39	141	168	164	99	44	12	
Not Stated	1,591	4	53	73	247	371	387	251	115	90	

Table 20. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence New York City, 1993

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	244,710	101,691	31,150	51,037	54,186	6,646
Live Births	133,583	42,127	21,753	37,034	26,370	6,299
Spontaneous Terminations	692	172	123	233	140	24
Induced Terminations	110,435	59,392	9,274	13,770	27,676	323
MANHATTAN	31,955	30,073	995	258	604	25
Live Births	20,956	19,985	598	160	190	23
Spontaneous Terminations	89	87	2	-	-	-
Induced Terminations	10,910	10,001	395	98	414	2
BRONX	40,119	14,848	24,243	274	744	10
Live Births	24,789	4,804	19,674	130	172	9
Spontaneous Terminations	123	16	103	2	2	-
Induced Terminations	15,207	10,028	4,466	142	570	1
BROOKLYN	78,425	22,856	203	46,404	8,481	481
Live Births	43,119	6,946	91	34,328	1,283	471
Spontaneous Terminations	243	28	2	203	8	2
Induced Terminations	35,063	15,882	110	11,873	7,190	8
QUEENS	44,761	9,219	270	2,088	33,130	54
Live Births	28,985	5,142	194	1,539	22,057	53
Spontaneous Terminations	126	9	1	7	109	-
Induced Terminations	15,650	4,068	75	542	10,964	1
RICHMOND	8,598	2,046	22	652	130	5,748
Live Births	6,141	261	12	397	41	5,430
Spontaneous Terminations	24	1	1	1	-	21
Induced Terminations	2,433	1,784	9	254	89	297
NON-RESIDENTS	17,286	9,543	1,801	721	4,900	321
Live Births	9,464	4,958	1,153	454	2,590	309
Spontaneous Terminations	35	16	4	5	10	-
Induced Terminations	7,787	4,569	644	262	2,300	12
RESIDENCE UNKNOWN	23,566	13,106	3,616	640	6,197	7
Live Births	129	31	31	26	37	4
Spontaneous Terminations	52	15	10	15	11	1
Induced Terminations	23,385	13,060	3,575	599	6,149	2

Table 21. Live Births by Ancestry of Mother and Borough of Residence New York City, 1993

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown
Total	133,583	20,956	24,789	43,119	28,985	6,141	9,464	129
Puerto Rican	16,568	2,422	7,047	4,811	1,647	294	336	11
Dominican	12,182	4,530	3,688	2,063	1,745	26	116	14
Colombian	1,803	90	68	163	1,415	15	51	1
Ecuadorian	2,034	227	304	445	990	17	50	1
Mexican	4,236	659	731	1,449	1,248	108	36	5
Cuban	396	89	73	50	93	22	69	-
Other Hispanic	5,920	649	1,173	1,535	2,156	211	188	8
African-American	25,144	3,773	5,679	10,047	4,345	717	546	37
American	9,096	1,146	577	3,358	1,589	1,096	1,325	5
Guyanese	2,030	23	240	768	948	12	38	1
Haitian	2,365	96	48	1,490	643	14	70	4
Jamaican	2,919	50	682	1,357	740	14	76	-
Trinidadian	1,127	17	51	705	329	10	15	-
Other North, Central and South American	4,890	391	1,005	2,656	628	42	167	1
English	1,265	497	59	243	124	49	292	1
German	1,688	398	59	256	351	157	462	5
Irish	3,923	540	312	728	763	602	974	4
Italian	6,473	422	405	1,682	1,159	1,612	1,189	4
Polish	1,367	174	23	520	301	97	252	-
Russian	2,036	450	40	822	335	47	338	4
Other European	2,046	644	62	505	331	118	386	-
Chinese	4,241	1,026	98	1,449	1,304	91	271	2
Asian Indian	1,758	103	124	239	1,056	80	153	3
Korean	1,178	96	49	105	785	28	113	2
Filipino	1,238	164	131	183	530	83	145	2
Other Asian	4,240	522	325	1,608	1,397	83	303	2
Other and Not Stated	11,420	1,758	1,736	3,882	2,033	496	1,503	12

Figure 9.

**Marriages, Births and Deaths by Month and Average Per Day
New York City, 1993**

MONTHS	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS	MARRIAGES	BIRTHS	DEATHS
January	4,272	11,198	6,639	138	361	214
February	4,942	10,569	6,974	177	377	249
March	5,755	11,493	6,817	186	371	220
April	6,352	10,798	5,943	212	360	198
May	6,413	11,414	5,827	207	368	188
June	7,119	11,038	5,669	237	368	189
July	6,555	11,826	6,315	211	381	204
August	7,635	11,377	5,520	246	367	178
September	6,651	11,169	5,484	222	372	183
October	5,804	11,051	6,004	187	356	194
November	5,732	10,440	5,774	191	348	192
December	5,260	11,210	6,442	170	362	208
Total	72,490	133,583	73,408	199	366	201

Figure 10.

**Most Popular Baby Names by Sex
New York City, Selected Years**

Rank	GIRLS								
	1898	1928	1948	1980	1985	1990	1991	1992	1993
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Stephanie	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Ashley	Stephanie	Stephanie
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Jessica	Jessica	Jessica
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Amanda	Amanda	Amanda
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Samantha	Samantha	Samantha
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Jennifer	Nicole
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Nicole	Jennifer
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Michelle	Michelle	Michelle
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Melissa	Melissa	Melissa
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Christina	Christina	Christina

Rank	BOYS								
	1898	1928	1948	1980	1985	1990	1991	1992	1993
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Christopher
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Jonathan	Jonathan	Kevin
4	George	James	Michael	Joseph	David	Anthony	Anthony	Anthony	Jonathan
5	Joseph	Richard	William	Christopher	Anthony	David	Joseph	Joseph	Anthony
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Daniel	Daniel	Daniel
7	James	Robert	Joseph	John	Jonathan	Joseph	David	David	Joseph
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	Kevin	David
9	Francis	George	Stephen	Robert	John	John	Kevin	Matthew	Matthew
10	Samuel	Louis	David	James	Robert	Andrew	John	John	John

Table 22.

**Selected Characteristics of Live Births by Age of Mother
New York City, 1993**

	Total	Age of Mother								Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Total Live Births	133,583	393	5,425	8,030	29,278	37,410	32,866	16,445	3,648	88
Sex										
Male	68,215	199	2,712	4,083	14,986	19,084	16,815	8,410	1,876	50
Female	65,368	194	2,713	3,947	14,292	18,326	16,051	8,035	1,772	38
Race of Child										
White	78,486	176	2,729	4,502	16,982	21,769	19,776	10,079	2,426	47
Black	42,555	211	2,615	3,307	10,418	11,407	9,123	4,531	922	21
American Indian	454	-	6	17	106	156	123	36	9	1
Chinese	3,650	-	5	21	438	1,261	1,294	555	71	5
Japanese	270	-	-	-	7	59	119	77	8	-
Filipino	1,122	-	4	12	76	259	394	334	41	2
Other	7,046	6	66	171	1,251	2,499	2,037	833	171	12
Race of Child for Mothers of Hispanic Ancestry Only										
White	40,085	163	2,411	3,565	11,276	11,290	7,499	3,157	695	29
Black	2,787	16	166	187	688	807	564	305	54	-
American Indian	8	-	-	1	-	3	3	1	-	-
Chinese	2	-	-	-	-	1	-	1	-	-
Japanese	1	-	-	-	-	1	-	-	-	-
Filipino	1	-	-	-	-	1	-	-	-	-
Other	255	-	5	25	64	77	53	25	5	1
Birth Order This Child (Live Births only)										
First	58,711	369	4,627	5,797	15,275	15,647	11,207	4,745	1,004	40
Second	38,396	23	685	1,799	8,593	11,401	10,228	4,732	912	23
Third	19,739	1	104	355	3,704	5,842	5,888	3,227	603	15
Fourth	8,629	-	4	58	1,219	2,627	2,791	1,577	349	4
Fifth	3,854	-	2	16	329	1,085	1,293	869	257	3
Sixth or more	4,254	-	3	5	158	808	1,459	1,295	523	3
Weight at Delivery										
Under 500 grams	205	1	7	13	26	62	63	29	4	-
500-999 grams	994	11	43	58	169	260	264	148	41	-
1000-1499 grams	1,290	9	53	78	256	335	322	197	40	-
1500-1999 grams	2,437	14	142	162	444	652	589	352	79	3
2000-2499 grams	7,426	39	416	492	1,565	1,947	1,816	914	233	4
2500-2999 grams	25,349	88	1,355	1,829	6,008	6,752	5,780	2,894	634	9
3000-3499 grams	51,188	155	2,204	3,297	11,695	14,429	12,291	5,843	1,240	34
3500-3999 grams	34,072	66	1,009	1,718	7,214	9,818	8,709	4,489	1,031	18
4000-4499 grams	8,917	10	171	320	1,622	2,677	2,534	1,297	275	11
4500-4999 grams	1,468	-	20	55	243	419	433	233	64	1
5000 grams & over	189	-	4	5	25	45	57	47	6	-
Not stated	48	-	1	3	11	14	8	2	1	8
Plurality										
Single	129,714	384	5,358	7,899	28,596	36,364	31,757	15,766	3,502	88
Twin	3,708	9	67	128	668	1,022	1,051	631	132	-
Triplet	149	-	-	3	14	24	50	44	14	-
Quadruplet	12	-	-	-	-	-	8	4	-	-
Place of Birth										
Home	193	1	3	6	30	50	64	27	12	-
Hospital										
Voluntary/Private Service	56,801	31	535	932	7,215	16,802	18,776	10,180	2,299	31
Voluntary/General Service	44,198	210	2,861	4,236	12,810	11,850	8,097	3,411	685	38
Municipal	31,081	148	1,962	2,766	8,911	8,362	5,637	2,683	602	10
Maternity Center	374	-	14	26	98	94	80	45	17	-
Other	936	3	50	64	214	252	212	99	33	9
Attendant										
Physician	120,174	331	4,582	6,749	25,309	33,867	30,528	15,334	3,402	72
Nurse Midwife	12,872	61	804	1,231	3,841	3,401	2,240	1,047	236	11
Other	537	1	39	50	128	142	98	64	10	5
Financial Coverage										
Self	10,796	25	417	620	2,438	3,133	2,564	1,293	297	9
Medicaid	66,724	316	4,331	6,355	19,770	17,807	11,790	5,225	1,088	42
Third Party	43,618	34	342	543	4,809	12,587	15,052	8,318	1,913	20
HMO	9,860	10	242	356	1,677	3,179	2,829	1,295	266	6
Not stated	2,585	8	93	156	584	704	631	314	84	11
First Visit for Prenatal Care										
Early (1-6 months)	101,660	225	3,474	5,459	20,918	29,032	26,314	13,310	2,874	54
Late (7-9 months)	9,780	67	796	929	2,807	2,462	1,710	813	187	9
No Care	4,525	38	271	335	1,176	1,229	977	388	103	8
Not stated	17,618	63	884	1,307	4,377	4,687	3,865	1,934	484	17
Years of Education										
None	105	1	3	4	30	31	18	13	5	-
1-8	8,037	202	572	569	2,066	2,026	1,511	852	232	7
9-12	73,766	130	4,520	6,420	19,454	20,336	14,838	6,609	1,419	40
13 & over	45,109	-	17	588	6,183	13,194	15,000	8,257	1,843	27
Not stated	6,566	60	313	449	1,545	1,823	1,499	714	149	14
Wedlock										
In wedlock	68,139	7	358	1,277	10,770	21,413	21,366	10,634	2,275	39
Out of wedlock	65,444	386	5,067	6,753	18,508	15,997	11,500	5,811	1,373	49
Birthplace of Mother										
United States other than Puerto Rico	68,796	287	3,831	4,984	15,626	17,478	16,379	8,341	1,839	31
Puerto Rico	4,847	33	314	428	1,197	1,355	900	459	158	3
Foreign	59,176	70	1,227	2,561	12,264	18,383	15,427	7,577	1,632	35
Not stated	764	3	53	57	191	194	160	68	19	19

Table 23.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Mother's Ethnic Group
New York City, 1993**

	Total	Ethnic Group of Mother						Other	Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black			
Total live Births	133,583	16,568	26,571	10,742	38,403	39,768	107	1,424	
Sex									
Male	68,215	8,373	13,560	5,479	19,857	20,213	52	681	
Female	65,368	8,195	13,011	5,263	18,546	19,555	55	743	
Birth Order This Child (Live Births only)									
First	58,711	6,788	11,562	5,466	18,340	15,830	54	671	
Second	38,396	4,500	7,805	3,643	11,330	10,726	28	364	
Third	19,739	2,831	4,394	1,165	4,653	6,463	12	221	
Fourth	8,629	1,334	1,709	311	1,776	3,397	7	95	
Fifth	3,854	615	649	100	787	1,663	2	38	
Sixth or more	4,254	500	452	57	1,517	1,689	4	35	
Weight at Delivery									
Under 500 grams	205	20	37	3	33	108	-	4	
500-999 grams	994	131	104	44	158	544	2	11	
1000-1499 grams	1,290	160	175	57	243	638	1	16	
1500-1999 grams	2,437	338	362	131	491	1,076	2	37	
2000-2499 grams	7,426	1,145	1,122	522	1,550	2,987	7	93	
2500-2999 grams	25,349	3,555	4,487	2,245	5,984	8,748	26	304	
3000-3499 grams	51,188	6,235	10,571	4,677	14,458	14,669	34	544	
3500-3999 grams	34,072	3,852	7,398	2,496	11,475	8,515	27	309	
4000-4499 grams	8,917	938	1,977	495	3,396	2,025	6	80	
4500-4999 grams	1,468	179	291	65	545	375	2	11	
5000 grams & over	189	14	43	4	65	61	-	2	
Not stated	48	1	4	3	5	22	-	13	
Plurality									
Single	129,714	16,169	26,022	10,561	37,049	38,415	104	1,394	
Twin	3,708	396	532	172	1,256	1,319	3	30	
Triplet	149	3	17	9	89	31	-	-	
Quadruplet	12	-	-	-	9	3	-	-	
Apgar Score at 5 Minutes									
6 or less	1,714	196	273	59	277	882	1	26	
7	1,427	190	269	65	292	593	2	16	
8	5,612	692	1,131	295	1,308	2,135	5	46	
9	88,488	11,615	18,967	6,482	23,392	27,217	65	750	
10	34,765	3,686	5,712	3,769	12,868	8,159	32	539	
Not stated	1,577	189	219	72	266	782	2	47	
Place of Birth									
Home	193	9	9	8	96	66	2	3	
Hospital									
Voluntary/Private Service	56,801	3,741	4,239	5,911	30,624	11,723	39	524	
Voluntary/General Service	44,198	7,450	12,346	2,871	4,982	16,073	47	429	
Municipal	31,081	5,175	9,786	1,881	2,332	11,486	19	402	
Maternity Center	374	72	46	15	131	106	-	4	
Other	936	121	145	56	238	314	-	62	
Attendant									
Physician	120,174	14,105	22,400	10,075	36,123	36,054	94	1,323	
Nurse Midwife	12,872	2,383	4,037	641	2,181	3,526	12	92	
Other	537	80	134	26	99	188	1	9	
Financial Coverage									
Self	10,796	900	2,103	1,037	3,538	3,112	7	99	
Medicaid	66,724	11,461	19,428	3,807	7,217	24,062	57	692	
Third Party	43,618	2,811	3,450	4,802	24,653	7,580	26	296	
HMO	9,860	1,122	1,154	869	2,315	4,212	16	172	
Not stated	2,585	274	436	227	680	802	1	165	
First Visit for Prenatal Care									
Early (1-6 months)	101,660	11,938	19,751	8,928	31,670	28,408	77	888	
Late (7-9 months)	9,780	1,253	2,657	771	1,462	3,503	6	128	
No Care	4,525	698	921	208	440	2,147	3	108	
Not stated	17,618	2,679	3,242	835	4,831	5,710	21	300	
Wedlock									
In wedlock	68,139	4,807	10,933	8,660	31,655	11,299	64	721	
Out of wedlock	65,444	11,761	15,638	2,082	6,748	28,469	43	703	
Years of Education									
None	105	4	45	11	13	32	-	-	
1-8	8,037	962	4,551	757	630	1,100	7	30	
9-12	73,766	11,546	15,673	5,097	15,826	24,931	67	626	
13 & over	45,109	3,384	5,040	4,336	20,469	11,720	25	135	
Not stated	6,566	672	1,262	541	1,465	1,985	8	633	
Birthplace of Mother									
United States other than Puerto Rico	68,796	11,550	2,955	333	28,967	24,437	34	520	
Puerto Rico	4,847	4,672	83	4	52	9	-	27	
Foreign	59,176	255	23,427	10,392	9,271	14,959	73	799	
Not stated	764	91	106	13	113	363	-	78	
Spontaneous Terminations of Pregnancy									
28 Weeks & Over									
Total	692	66	99	31	158	280	7	51	
Sex									
Male	292	29	45	13	65	120	3	17	
Female	280	31	36	14	70	115	1	13	
Undetermined	120	6	18	4	23	45	3	21	
Weight at Delivery									
Under 500 grams	121	5	18	2	30	50	1	15	
500-999 grams	52	9	4	3	6	21	-	9	
1000-1499 grams	81	9	13	4	20	28	1	6	
1500-1999 grams	66	7	10	2	14	27	1	5	
2000-2499 grams	87	4	8	2	19	50	1	3	
2500 grams & over	84	11	10	7	15	35	1	5	
Not stated	201	21	36	11	54	69	2	8	

Table 24.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1993**

Health Center District	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics							Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)		
			Mother's Ancestry Hispanic	Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate**	Number	Rate**	
NEW YORK CITY	133,583	18.2	12.4	19.9	44.3	44.0	9.3	10.7	49.0	49.9	1,366	10.2	917	6.9
MANHATTAN	20,956	14.1	11.6	29.8	42.9	50.7	9.5	11.2	53.8	54.7	227	10.8	164	7.8
Central Harlem	2,458	21.3	8.3	8.2	17.8	37.4	17.2	19.7	83.6	74.9	62	25.2	44	17.9
East Harlem	2,293	18.0	33.9	19.1	25.2	45.1	11.4	14.2	68.6	60.4	34	14.8	23	10.0
Kips Bay-Yorkville	2,259	9.6	1.9	5.8	31.6	64.1	7.7	3.0	19.9	8.6	9	4.0	7	3.1
Lower East Side	2,817	11.8	19.7	14.6	45.9	49.8	8.7	8.8	44.0	53.4	22	7.8	16	5.7
Lower West Side	2,697	9.2	6.3	10.7	35.9	61.0	7.3	7.4	36.3	26.4	24	8.9	16	5.9
Riverside	2,574	12.3	9.1	20.7	31.7	54.0	9.7	10.1	51.4	40.3	20	7.8	18	7.0
Washington Heights	5,858	22.0	7.5	72.4	71.4	47.5	7.6	12.9	62.3	81.9	56	9.6	40	6.8
BRONX	24,789	20.6	28.4	24.4	39.0	37.0	10.6	13.2	68.2	67.7	253	10.2	146	5.9
Fordham-Riverdale	4,659	19.0	28.1	30.8	44.9	43.0	8.5	10.7	60.6	64.7	37	7.9	18	3.9
Morrisania	3,877	26.8	29.0	25.8	33.8	35.4	11.9	15.6	77.5	75.5	34	8.8	19	4.9
Mott Haven	2,955	22.8	41.1	24.8	27.0	31.7	12.2	16.7	78.3	81.0	30	10.2	18	6.1
Pelham Bay	3,215	14.7	15.1	9.0	49.0	34.9	12.1	11.2	61.8	53.7	33	10.3	19	5.9
Tremont	5,525	29.0	27.9	31.9	42.7	36.6	10.4	14.1	76.4	75.9	73	13.2	42	7.6
Westchester	4,558	16.6	30.0	17.9	33.5	37.4	10.0	11.9	56.1	55.4	46	10.1	30	6.6
BROOKLYN	43,119	18.7	11.2	13.2	45.2	41.8	9.4	10.6	51.1	54.2	459	10.6	316	7.3
Bay Ridge	3,661	15.4	7.9	11.7	49.3	46.9	6.4	6.8	22.9	37.5	17	4.6	13	3.6
Bedford	4,648	20.0	3.5	4.7	42.0	39.1	12.8	16.4	71.6	63.5	68	14.6	44	9.5
Brownsville	5,643	20.3	10.5	7.1	37.0	40.5	11.8	10.9	67.6	59.7	64	11.3	47	8.3
Bushwick	4,497	24.6	27.5	31.3	42.7	40.1	10.1	14.6	68.5	76.0	52	11.6	37	8.2
Flatbush	8,984	17.9	3.0	7.2	59.9	41.8	9.0	9.0	44.3	44.2	103	11.5	70	7.8
Fort Greene	2,819	18.8	12.7	9.8	28.0	41.4	12.5	11.4	72.3	62.6	39	13.8	26	9.2
Gravesend	3,957	13.9	7.4	8.6	47.9	44.6	7.6	11.5	35.1	41.9	31	7.8	23	5.8
Red Hook-Gowanus	1,704	16.1	20.7	11.6	27.2	46.0	9.4	6.5	52.8	44.2	20	11.7	13	7.6
Sunset Park	3,857	22.6	14.8	24.8	48.2	42.3	6.2	6.0	33.6	50.2	31	8.0	21	5.4
Williamsburg-Greenpoint	3,349	21.5	20.4	24.8	40.0	38.5	7.3	10.6	41.0	65.4	34	10.2	22	6.6
QUEENS	28,985	14.9	5.7	26.4	60.8	47.7	8.3	12.4	42.8	44.5	253	8.7	167	5.8
Astoria-Long Island City	3,753	15.9	5.4	34.5	68.4	50.0	7.0	15.3	42.6	46.8	29	7.7	20	5.3
Corona	5,799	19.9	3.3	55.0	80.5	48.2	7.3	19.2	49.4	47.7	43	7.4	28	4.8
Flushing	4,924	10.8	3.5	18.4	62.3	49.2	6.7	7.3	25.4	26.9	29	5.9	21	4.3
Jamaica East	5,174	15.3	2.7	8.4	50.2	43.2	11.6	12.6	57.0	53.7	70	13.5	48	9.3
Jamaica West	5,905	16.3	9.4	21.1	51.3	45.7	9.5	9.7	47.3	54.2	57	9.7	35	5.9
Maspeth-Forest Hills	3,430	12.7	11.3	16.6	49.1	52.6	6.6	8.9	27.4	31.3	25	7.3	15	4.4
RICHMOND	6,141	16.2	4.8	6.5	18.3	46.8	6.6	4.2	23.3	24.8	41	6.7	29	4.7
NON-RESIDENTS	9,464	-	3.6	5.4	23.7	43.8	9.0	2.6	14.1	6.6	127	-	91	-
RESIDENCE UNKNOWN	129	-	8.5	22.5	40.3	38.8	12.4	17.8	51.2	39.5	6	-	4	-

*Rate per 1,000 population.

**Rate per 1,000 live births.

Table 25.

**Live Births by Selected Characteristics and Mother's Ancestry
New York City, 1993**

Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics							Teenage Mother
		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid		
Total	133,583	44.3	44.0	9.3	10.7	49.0	49.9	10.4	
Puerto Rican	16,568	1.5	41.0	10.8	11.8	71.0	69.2	21.4	
Dominican	12,182	91.2	42.5	6.8	12.7	60.1	81.2	10.8	
Colombian	1,803	94.3	47.9	6.1	13.6	55.3	53.1	5.9	
Ecuadorian	2,034	93.7	42.0	5.8	14.2	46.2	65.6	7.6	
Mexican	4,236	97.3	44.9	5.7	19.1	69.6	81.5	18.3	
Cuban	396	53.3	47.5	8.3	6.6	37.9	32.3	6.1	
Other Hispanic	5,920	74.1	43.5	7.9	11.1	55.5	61.9	10.5	
African-American	25,144	5.6	40.0	15.2	15.4	79.4	62.6	18.6	
American	9,096	3.5	46.5	6.7	4.9	20.8	21.8	5.0	
Guyanese	2,030	99.3	46.4	14.2	9.1	38.7	51.4	7.0	
Haitian	2,365	96.9	39.2	9.0	10.3	46.6	55.2	3.7	
Jamaican	2,919	98.0	39.2	9.7	10.1	66.5	57.3	9.2	
Trinidadian	1,127	97.3	43.8	11.6	12.5	57.8	61.8	8.0	
All Other North, Central and South American	4,890	93.6	40.8	9.7	12.1	57.8	55.2	7.5	
English	1,265	29.6	51.9	7.0	3.0	22.5	10.4	1.0	
German	1,688	9.6	52.0	6.0	3.3	16.7	8.8	1.7	
Irish	3,923	8.9	47.4	6.0	3.6	16.5	10.9	2.0	
Italian	6,473	10.8	48.2	6.5	2.5	13.6	11.1	2.6	
Polish	1,367	46.2	53.0	6.9	9.7	20.9	30.7	2.9	
Russian	2,036	55.1	53.2	6.0	8.8	24.9	30.1	4.1	
Other European	2,046	38.3	53.6	6.8	4.6	20.2	13.2	2.1	
Chinese	4,241	94.9	53.0	4.9	6.0	15.6	35.5	0.9	
Asian Indian	1,758	97.0	48.7	9.7	14.6	25.2	30.3	1.6	
Korean	1,178	98.9	57.0	5.3	14.0	13.9	40.5	0.3	
Filipino	1,238	96.0	48.3	7.2	5.3	18.3	12.4	1.5	
Other Asian	4,240	93.6	43.1	7.4	10.8	20.5	46.1	4.2	
Other & Not Stated	11,420	41.5	43.3	7.9	8.7	28.2	29.4	4.4	

Table 26.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1993**

Health Center District	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate*	Number	Rate*
			Puerto Rican	Other Hispanic										
NEW YORK CITY	13,848	10.4	25.6	21.6	27.9	77.9	11.1	17.6	88.1	79.4	165	11.9	100	7.2
MANHATTAN	2,314	11.0	26.2	32.9	26.1	79.3	11.8	17.1	91.9	86.9	18	7.8	10	4.3
Central Harlem	445	18.1	10.1	6.3	9.7	73.7	18.0	18.0	97.8	84.5	9	20.2	5	11.2
East Harlem	389	17.0	47.6	18.8	15.4	73.5	15.7	17.2	93.1	80.5	6	15.4	4	10.3
Kips Bay-Yorkville	63	2.8	15.9	15.9	23.8	90.5	11.1	17.5	85.7	85.7	-	-	-	-
Lower East Side	283	10.0	50.5	23.0	18.7	84.8	10.2	11.0	91.9	88.7	-	-	-	-
Lower West Side	155	5.7	29.0	20.6	16.1	79.4	10.3	20.6	91.6	80.6	-	-	-	-
Riverside	233	9.1	27.0	29.2	21.9	80.7	15.0	20.6	95.3	86.7	-	-	-	-
Washington Heights	746	12.7	15.5	65.1	47.9	82.3	6.0	16.9	87.4	92.5	3	4.0	1	1.3
BRONX	3,719	15.0	41.2	18.7	22.2	71.7	10.9	17.0	91.1	83.2	48	12.9	26	7.0
Fordham-Riverdale	614	13.2	43.0	25.6	28.2	76.7	9.9	13.2	88.4	83.9	8	13.0	5	8.1
Morrisania	716	18.5	37.8	16.2	17.7	72.9	11.2	18.3	92.2	81.0	10	14.0	8	11.2
Mott Haven	560	19.0	53.9	16.8	14.6	69.3	11.1	20.0	92.1	89.3	1	1.8	-	-
Pelham Bay	371	11.5	25.6	7.8	26.7	62.3	12.4	18.9	94.1	81.1	7	18.9	3	8.1
Tremont	922	16.7	39.7	22.6	26.4	72.2	11.0	16.5	90.7	81.9	12	13.0	5	5.4
Westchester	536	11.8	43.7	17.0	18.8	72.2	10.4	16.4	90.3	82.8	10	18.7	5	9.3
BROOKLYN	4,921	11.4	22.0	14.7	27.5	79.7	11.3	17.2	86.9	78.1	68	13.8	46	9.3
Bay Ridge	205	5.6	26.8	27.8	40.0	86.3	7.8	15.6	65.9	71.7	-	-	-	-
Bedford	657	14.1	5.9	3.2	23.1	79.6	14.3	22.7	95.7	77.8	18	27.4	10	15.2
Brownsville	857	15.2	14.1	4.9	17.9	81.9	13.9	15.3	94.7	75.0	13	15.2	10	11.7
Bushwick	775	17.2	37.9	21.4	22.8	76.1	10.2	17.0	91.0	85.4	7	9.0	4	5.2
Flatbush	677	7.5	7.4	9.3	49.9	82.0	9.9	19.1	84.2	71.9	11	16.2	8	11.8
Fort Greene	450	16.0	21.1	10.7	13.1	72.0	14.0	17.1	94.0	83.3	4	8.9	4	8.9
Gravesend	313	7.9	20.8	13.1	28.1	81.2	9.9	24.0	78.9	72.2	3	9.6	2	6.4
Red Hook-Gowanus	183	10.7	42.6	14.2	15.3	79.8	14.8	13.7	90.2	82.0	1	5.5	1	5.5
Sunset Park	400	10.4	28.7	38.8	43.3	80.0	7.3	10.5	70.8	75.0	7	17.5	5	12.5
Williamsburg-Greenpoint	404	12.1	42.8	25.2	25.0	82.4	8.2	13.1	76.0	84.7	4	9.9	2	5.0
QUEENS	2,362	8.1	10.3	31.3	41.7	81.5	10.0	20.8	84.1	72.1	23	9.7	12	5.1
Astoria-Long Island City	292	7.8	11.3	43.2	50.7	82.2	9.2	25.7	81.5	68.8	4	13.7	3	10.3
Corona	472	8.1	4.4	67.6	65.0	81.4	8.1	29.0	82.6	60.0	4	8.5	2	4.2
Flushing	192	3.9	9.4	35.9	45.8	88.5	5.2	15.1	74.0	53.6	2	10.4	1	5.2
Jamaica East	592	11.4	4.4	6.3	25.2	78.2	13.7	19.6	93.2	79.6	9	15.2	4	6.8
Jamaica West	613	10.4	16.2	22.5	33.8	81.7	10.0	15.7	84.5	81.9	4	6.5	2	3.3
Maspeeth-Forest Hills	201	5.9	22.9	25.4	43.3	83.6	10.0	18.9	72.6	70.6	-	-	-	-
RICHMOND	348	5.7	14.1	14.4	16.4	87.4	8.3	11.8	81.6	70.4	3	8.6	2	5.7
NON-RESIDENTS	174	1.8	15.5	13.2	18.4	76.4	20.1	15.5	78.2	56.3	5	-	4	-
RESIDENCE UNKNOWN	10	7.8	30.0	20.0	30.0	50.0	10.0	30.0	90.0	80.0	-	-	-	-

*Rate per 1,000 live births to teenagers.

Table 27.

Live Births to Teenagers by Selected Characteristics, New York City, 1981-1993

	YEAR												
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total Live Births	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583
Percent to Teenagers	12.9	12.8	12.4	11.8	11.2	10.8	10.3	10.4	10.3	10.1	10.1	10.1	10.4
Births to Teenagers	14,014	14,276	13,892	13,339	13,304	13,168	13,166	13,714	14,121	14,131	13,999	13,795	13,848
Percent of Births with Specified Characteristic:													
Puerto Rican	30.9	30.0	30.1	29.4	28.6	29.4	29.1	28.6	27.4	27.5	27.0	25.9	25.6
Other Hispanic	7.6	8.9	9.1	9.5	10.3	10.8	12.9	12.6	15.3	17.2	19.1	20.8	21.6
Foreign Born Mother	16.1	16.6	16.4	16.5	16.8	17.8	18.6	19.6	21.2	24.6	26.0	26.9	27.9
First Live Birth	80.0	79.8	80.2	80.2	80.1	79.8	80.3	79.5	79.8	78.7	77.4	78.2	77.9
Under 2,500 Grams	11.6	11.3	11.3	11.3	11.2	11.7	11.4	11.7	11.4	10.9	11.5	10.4	11.1
Prenatal Care in First 6 Months of Pregnancy	61.7	59.6	60.3	59.7	59.7	56.2	58.0	65.8	61.8	60.2	64.0	65.6	66.1
Out of Wedlock	78.0	79.0	80.0	81.4	81.7	82.7	82.1	80.2	82.0	82.4	83.1	84.2	88.1
On Medicaid	60.5	59.8	62.6	65.7	66.9	64.2	64.3	62.8	66.8	74.2	78.0	79.2	79.4

Note: The figures for prenatal care in first 6 months of pregnancy are corrected from those previously published.

Table 28.

**Maternal Risk Factors by Health Center District of Residence
New York City, 1993**

Health Center District	Total Live Births	Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	133,583	41.1	37.6	18.1	3.1
MANHATTAN	20,956	37.9	38.3	20.3	3.5
Central Harlem	2,458	11.4	45.7	36.9	6.0
East Harlem	2,293	24.3	38.3	30.6	6.8
Kips Bay-Yorkville	2,259	69.8	24.8	4.6	0.8
Lower East Side	2,817	48.0	34.2	15.8	2.0
Lower West Side	2,697	55.2	31.7	11.2	1.9
Riverside	2,574	40.8	37.7	17.8	3.7
Washington Heights	5,858	28.0	45.5	22.9	3.7
BRONX	24,789	22.8	43.1	28.5	5.7
Fordham-Riverdale	4,659	28.7	43.3	23.8	4.3
Morrisania	3,877	15.0	41.5	36.0	7.6
Mott Haven	2,955	15.0	47.1	31.4	6.4
Pelham Bay	3,215	29.0	43.0	23.3	4.7
Tremont	5,525	14.8	44.3	33.6	7.3
Westchester	4,558	33.6	40.2	22.5	3.7
BROOKLYN	43,119	36.9	42.2	17.8	3.0
Bay Ridge	3,661	60.2	31.1	7.5	1.1
Bedford	4,648	21.4	47.6	26.5	4.4
Brownsville	5,643	25.2	46.2	24.1	4.6
Bushwick	4,497	24.5	44.1	26.7	4.8
Flatbush	8,984	41.1	43.4	13.5	2.1
Fort Greene	2,819	22.7	48.9	24.0	4.4
Gravesend	3,957	47.5	36.6	13.7	2.2
Red Hook-Gowanus	1,704	40.6	43.1	13.8	2.5
Sunset Park	3,857	45.9	40.4	11.8	1.9
Williamsburg-Greenpoint	3,349	45.4	37.0	15.2	2.4
QUEENS	28,985	47.2	35.5	15.1	2.2
Astoria-Long Island City	3,753	45.4	36.0	15.9	2.6
Corona	5,799	38.7	38.4	20.0	3.0
Flushing	4,924	64.8	26.8	7.6	0.8
Jamaica East	5,174	35.6	42.1	19.1	3.1
Jamaica West	5,905	43.8	38.2	16.1	2.0
Maspeth-Forest Hills	3,430	61.3	27.9	9.3	1.4
RICHMOND	6,141	71.1	21.2	6.8	0.8
NON-RESIDENTS	9,464	77.7	18.2	3.6	0.5
RESIDENCE UNKNOWN	129	36.4	36.4	24.8	2.3

*Maternal risk factors: no prenatal care in first six months of pregnancy, out-of-wedlock birth, teenaged mother.

Table 29.

**Live Births, Infant Deaths and Infant Mortality Rates by
Number of Maternal Risk Factors and Birth Weight
New York City, 1993**

NUMBER OF MATERNAL RISK FACTORS	TOTAL ⁽¹⁾			LESS THAN 2,500 GRAMS			2,500 GRAMS AND OVER		
	Infant Deaths			Infant Deaths			Infant Deaths		
	Births	Number	Rate ⁽³⁾	Births	Number	Rate ⁽³⁾	Births	Number	Rate ⁽³⁾
None	54,942	291	5.3	3,653	187	51.2	51,279	99	1.9
One	50,254	459	9.1	4,785	319	66.7	45,449	130	2.9
Two	24,200	438	18.1	3,347	332	99.2	20,839	101	4.8
Three	4,187	82	19.6	567	59	104.1	3,616	22	6.1
Unmatched ⁽²⁾	-	96	-	-	-	-	-	-	-
Total	133,583	1,366	10.2	12,352	897	72.6	121,183	352	2.9

(1) Includes those with unknown birth weight.

(2) Birth occurred outside of New York City or positive identification of matching birth certificate could not be made.

(3) Rate per 1,000 live births.

Table 30a.

Live Births and Infant Deaths by Birth Weight and Race, New York City, 1993

Birth Weight in Grams	Live Births					Infant Deaths														
	Total	White	Black	Other	Not Stated	Under One Year					Under 28 Days					Under 7 Days				
						Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500.....	205	89	109	7	193	82	106	3	2	193	82	106	3	2	190	81	104	3	2	
500-999.....	994	367	569	58	416	157	240	16	3	335	128	192	12	3	294	113	169	9	3	
1000-1499.....	1,290	553	661	76	98	51	46	1	1	65	38	27	-	-	52	31	21	-	-	
1500-1999.....	2,437	1,144	1,122	171	90	39	45	5	1	48	26	18	3	1	38	21	14	2	1	
2000-2499.....	7,426	3,625	3,160	641	100	48	40	11	1	58	27	21	9	1	43	21	13	8	1	
Less than 2500.....	12,352	5,778	5,621	953	897	377	477	36	7	699	301	364	27	7	617	267	321	22	7	
2500-2999.....	25,349	13,460	9,266	2,623	120	62	55	3	1	52	34	15	3	1	36	22	11	3	1	
3000-3499.....	51,188	30,124	15,718	5,346	140	79	55	5	1	59	32	23	3	1	37	22	13	1	1	
3500-3999.....	34,072	21,923	9,232	2,917	71	34	26	11	1	25	16	5	4	1	18	11	5	2	1	
4000-4499.....	8,917	6,093	2,227	597	15	8	6	1	1	9	3	5	1	1	8	2	5	1	1	
4500-4999.....	1,468	980	404	84	4	3	-	1	1	2	1	-	1	1	2	1	-	1	1	
5000 & over.....	189	119	64	6	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	
2500 & over.....	121,183	72,699	36,911	11,573	352	187	143	21	1	147	86	48	12	1	101	58	34	8	1	
Not stated.....	48	9	23	16	21	7	12	2	1	19	7	11	1	1	17	6	10	1	1	
Unmatched*.....	-	-	-	-	96	50	33	2	11	52	28	16	-	8	34	14	14	-	6	
Total.....	133,583	78,486	42,555	12,542	1,366	621	665	61	19	917	422	339	40	16	769	345	379	31	14	

*Birth occurred outside of New York City or positive identification of matching birth certificate could not be made.

Table 30b.

Infant Mortality Rates by Birth Weight and Race, New York City, 1993

Birth Weight in Grams	Under One Year				Under 28 Days				Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500.....	941.5 *	**	972.5	**	941.5	**	972.5	**	926.8	**	954.1	**
500-999.....	418.5	427.8	421.8	**	337.0	348.8	337.4	**	295.8	307.9	297.0	**
1000-1499.....	76.0	92.2	69.6	**	50.4	68.7	40.8	**	40.3	56.1	31.8	**
1500-1999.....	36.9	34.1	40.1	35.1	19.7	22.7	16.0	23.4	15.6	18.4	12.5	17.5
2000-2499.....	13.5	13.2	12.7	18.7	7.8	7.4	6.6	15.6	5.8	5.8	4.1	14.0
Less than 2500.....	72.6	65.2	84.9	45.1	56.6	52.1	64.8	35.7	50.0	46.2	57.1	30.4
2500-2999.....	4.7	4.6	5.9	1.1	2.1	2.5	1.6	1.1	1.4	1.6	1.2	1.1
3000-3499.....	2.7	2.6	3.5	1.1	1.2	1.1	1.5	0.8	0.7	0.7	0.8	0.4
3500-3999.....	2.1	1.6	2.8	3.8	0.7	0.7	0.5	1.4	0.5	0.5	0.5	0.7
4000-4499.....	1.7	1.3	2.7	1.7	1.0	0.5	2.2	1.7	0.9	0.3	2.2	1.7
4500-4999.....	2.7	3.1	-	**	1.4	1.0	-	**	1.4	1.0	-	**
5000 & over.....	10.6	8.4	**	**	-	-	**	**	-	-	**	**
2500 & over.....	2.9	2.6	3.9	1.9	1.2	1.2	1.3	1.1	0.8	0.8	0.9	0.8
Total.....	10.2	7.9	15.6	6.4	6.9	5.4	10.3	4.5	5.8	4.4	8.9	3.6

* Rate per 1,000 live births. Births and deaths included here were reported in 1993 and do not represent a true birth cohort.

**Rate not computed where base is less than 100.

Table 31.

Infant Deaths by Age and Sex, by Race and by Cause, New York City, 1993

	Total Both Sexes	MALE			FEMALE		
		Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total.....	1,366	431	91	261	338	57	188
Race of Child							
White.....	621	198	48	125	147	29	74
Black.....	665	208	37	126	171	23	100
Other and not stated.....	80	25	6	10	20	5	14
Cause of Death (ICD-9 Codes)							
Certain Gastrointestinal Diseases (008-009, 535, 555-558).....	7	3	-	1	1	-	2
Acquired Immunodeficiency Syndrome (042).....	25	-	-	12	-	-	13
Pneumonia and Influenza (480-487).....	27	2	3	15	-	1	6
Congenital Anomalies (740-759).....	267	73	29	55	51	19	40
Short Gestation and Low Birth Weight (765).....	129	62	-	2	63	-	2
Birth Trauma (767).....	4	1	-	-	1	1	1
Intrauterine Hypoxia and Birth Asphyxia (768).....	25	9	2	3	5	4	2
Respiratory Distress Syndrome (769).....	110	53	6	6	37	4	4
Respiratory Conditions of Newborn (770).....	118	47	7	19	30	2	13
Neonatal Hemorrhage (772).....	18	3	3	1	5	5	1
Other Conditions Originating in the Perinatal Period (Rest of 760-779).....	361	158	25	19	124	14	21
Sudden Infant Death Syndrome (798.0).....	104	2	4	54	2	3	39
Injuries (E800-E999).....	53	4	3	32	4	1	9
All other causes.....	118	14	9	42	15	3	35

Table 32.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1981-1993**

Mother's Ethnic Group (1)	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Live Births, Total	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583
Puerto Rican	18,104	18,289	18,014	17,887	17,961	18,138	18,625	18,822	19,248	19,327	18,851	17,856	16,568
Other Hispanic	12,392	13,704	14,463	15,228	15,758	16,689	19,372	20,145	23,013	24,912	25,564	25,556	26,571
Asian	8,429	8,749	8,947	9,127	9,553	9,894	10,926	11,597	12,051	12,394	12,602	12,688	10,742
Other White	35,516	35,653	35,788	35,405	36,825	37,465	37,558	38,992	39,362	38,906	37,464	37,102	38,403
Other Black	33,429	34,644	34,749	35,212	37,616	39,064	40,020	41,356	43,069	42,844	41,486	40,662	39,768
Other & Unknown	677	448	392	473	829	858	885	1,314	930	1,247	2,181	2,138	1,531
Infant Deaths (Under 1 Year) (2) Total	1,678	1,706	1,603	1,540	1,591	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366
Puerto Rican	265	296	244	263	226	240	240	241	257	238	211	194	178
Other Hispanic	133	154	141	133	139	156	182	186	219	195	187	170	196
Asian	80	74	75	76	76	63	65	79	93	67	76	73	60
Other White	439	409	388	363	368	323	350	353	321	300	278	194	200
Other Black	747	762	742	680	758	751	802	891	911	797	777	653	613
Other & Unknown	14	11	13	25	24	33	34	20	26	23	46	106	119
Infant Mortality Rate (3) Total	15.5	15.3	14.3	13.6	13.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2
Puerto Rican	14.6	16.2	13.5	14.7	12.6	13.2	12.9	12.8	13.4	12.3	11.2	10.9	10.7
Other Hispanic	10.7	11.2	9.7	8.7	8.8	9.3	9.4	9.2	9.5	7.8	7.3	6.7	7.4
Asian	9.5	8.5	8.4	8.3	8.0	6.4	5.9	6.8	7.7	5.4	6.0	5.8	5.6
Other White	12.4	11.5	10.8	10.3	10.0	8.6	9.3	9.1	8.2	7.9	7.4	5.2	5.2
Other Black	22.3	22.0	21.4	19.3	20.2	19.2	20.0	21.5	21.2	18.6	18.7	16.1	15.4
Neonatal Deaths (Under 28 Days) Total	1,144	1,173	1,070	1,014	1,082	1,078	1,139	1,232	1,253	1,091	1,089	941	917
Puerto Rican	169	198	166	165	141	157	157	159	172	155	138	138	108
Other Hispanic	88	110	102	97	100	117	134	133	153	136	136	120	136
Asian	58	52	47	53	45	47	42	59	60	44	45	50	38
Other White	318	301	274	267	268	254	251	264	238	222	201	139	152
Other Black	503	506	471	414	513	481	535	602	610	518	533	429	409
Neonatal Mortality Rate (3) Total	10.5	10.5	9.5	8.9	9.1	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9
Puerto Rican	9.3	10.8	9.2	9.2	7.9	8.7	8.4	8.4	8.9	8.0	7.3	7.7	6.5
Other Hispanic	7.1	8.0	7.1	6.4	6.3	7.0	6.9	6.6	6.6	5.5	5.3	4.7	5.1
Asian	6.9	5.9	5.3	5.8	4.7	4.8	3.8	5.1	5.0	3.6	3.6	3.9	3.5
Other White	9.0	8.4	7.7	7.5	7.3	6.8	6.7	6.8	6.0	5.7	5.4	3.7	3.9
Other Black	15.0	14.6	13.6	11.8	13.6	12.3	13.4	14.6	14.2	12.1	12.8	10.6	10.3
Maternal Deaths, Total	33	37	44	21	30	29	28	26	29	35	24	30	20
Puerto Rican	3	5	3	1	1	4	2	2	4	1	4	2	2
Other Hispanic	4	6	8	3	6	0	4	6	2	4	2	3	2
Asian	1	1	1	0	1	2	6	-	-	1	-	1	-
Other White	6	8	7	4	3	6	3	2	2	2	2	6	-
Other Black	19	16	24	13	15	14	8	15	20	25	15	16	14
Maternal Mortality Rate (4) Total	3.0	3.3	3.9	1.9	2.5	2.4	2.2	2.0	2.1	2.5	1.7	2.2	1.5
Puerto Rican	1.7	2.7	1.7	0.6	0.6	2.2	1.1	1.1	2.1	0.5	2.1	1.1	1.2
Other Hispanic	3.2	4.4	5.5	2.0	3.8	-	2.1	3.0	0.9	1.6	0.8	1.2	0.8
Asian	1.2	1.1	1.1	-	1.0	2.0	5.5	0.9	0.8	0.8	-	0.8	-
Other White	1.7	2.2	2.0	1.1	0.8	1.6	0.8	0.5	0.5	0.5	0.5	1.6	-
Other Black	5.7	4.6	6.9	3.7	4.0	3.6	2.0	3.6	4.6	5.8	3.6	3.9	3.5

(1) Puerto Rican and other Hispanic ethnicities are based on ancestry, regardless of race. Prior to 1993, Asian ethnicity is based on ancestry; beginning in 1993, Asian ethnicity is based on race. Those of other ancestries are classified as Other White, Other Black, Other and Unknown based on race. See Technical Notes.

(2) In the absence of a matching birth certificate for an infant death, the information on the death certificate is used to assign a maternal ethnic group.

(3) Rate per 1,000 live births.

(4) Rate per 10,000 live births.

Table 33.

Cases of Reportable Diseases, New York City, 1940-1993

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chicken Pox	Whooping Cough	Meningococcal Meningitis	Poliomyelitis	Syphilis		Gonorrhea	Encephalitis	Hepatitis	Rubella
								Total	Primary & Secondary				
1940	8,212	10,496	13,569	13,046	5,775	48	67	30,178	3,113	14,639	28		988
1941	8,459	70,646	7,206	9,773	7,811	118	404	27,194	2,957	12,297	49		18,614
1942	9,145	2,261	7,009	10,978	9,240	411	88	30,036	3,406	12,022	52		1,355
1943	8,283	23,627	9,484	9,290	3,678	1,406	361	25,878	4,252	12,957	37		14,269
1944	7,229	26,048	8,509	8,441	2,810	1,104	1,890	23,069	4,841	14,489	37		1,340
1945	6,232	1,870	8,347	7,905	4,992	487	547	22,690	5,164	18,009	34		1,221
1946	6,386	22,408	8,009	6,586	2,135	246	716	26,765	6,063	24,350	38	274	3,372
1947	6,832	7,915	3,583	11,921	3,224	113	224	26,303	5,009	22,746	30	110	1,121
1948	7,359	28,960	2,420	10,214	1,591	120	703	25,366	3,846	23,422	33	93	2,673
1949	7,344	5,467	2,230	12,866	4,129	104	2,246	20,489	2,218	20,309	47	107	3,447
1950	6,518	21,990	1,652	7,973	1,791	142	1,064	21,795	1,304	16,784	127	114	1,597
1951	6,331	9,644	2,144	11,849	1,606	110	555	22,458	801	14,114	200	202	4,122
1952	6,021	34,614	3,548	8,912	1,379	144	821	25,078	784	12,105	280	285	3,267
1953	6,110	5,117	1,595	12,942	2,733	183	677	25,224	658	12,505	311	515	2,315
1954	5,439	41,037	2,143	8,775	1,777	129	844	19,412	617	12,379	270	809	1,186
1955	5,064	9,712	1,834	10,486	1,136	108	806	18,056	566	11,239	220	1,154	8,888
1956	5,089	21,616	2,357	11,433	1,113	75	149	17,052	605	10,482	309	824	3,100
1957	5,162	10,226	1,657	7,287	1,326	75	57	15,485	635	11,479	204	597	1,998
1958	4,513	28,272	1,944	8,403	655	36	100	13,082	911	13,341	165	637	5,911
1959	4,196	5,215	2,043	7,731	1,322	92	170	13,131	1,454	14,370	212	841	4,694
1960	3,923	25,523	2,622	8,042	416	89	92	16,872	2,606	16,677	97	1,106	3,760
1961	3,635	4,796	2,820	6,190	249	69	2	20,017	3,374	18,285	216	1,839	1,543
1962	3,702	29,631	1,259	7,913	307	59	7	20,058	3,329	18,901	175	1,359	1,560
1963	4,057	7,406	1,287	6,683	212	50	1	19,312	3,481	22,912	147	1,325	3,294
1964	3,381	15,435	1,052	6,183	304	42	2	18,875	3,215	25,896	158	1,287	21,292
1965	3,389	4,127	792	7,423	194	68	0	16,999	2,897	29,032	162	1,248	1,031
1966	2,952	8,381	799	4,172	206	56	0	13,724	2,364	29,679	146	1,552	1,036
1967	2,893	529	731	5,897	179	65	1	13,918	1,987	27,373	61	2,558	1,030
1968	2,658	2,445	732	4,267	122	90	1	13,204	2,172	32,637	61	3,542	3,074
1969	2,397	5,033	891	3,640	149	88	0	11,439	2,630	36,729	57	3,982	1,185
1970	2,073	1,154	513	4,978	163	90	0	10,362	3,780	36,783	35	4,492	685
1971	2,048	3,819	614	3,815	55	60	0	11,642	3,854	38,472	19	4,160	626
1972	1,874	447	445	5,603	79	44	1	10,390	4,106	48,414	11	2,907	271
1973	1,740	965	708	4,496	77	37	0	7,334	3,256	45,467	26	1,478	502
1974	1,582	651	402	3,877	75	26	0	7,593	3,184	42,071	17	1,078	173
1975	2,187	170	463	3,982	40	32	0	7,236	2,864	39,981	14	1,366	193
1976	1,775	497	609	3,289	43	51	1	6,832	2,494	40,589	20	1,897	163
1977	1,189	804	583	3,936	47	64	0	4,749	1,881	39,302	20	1,604	336
1978	1,034	405	271	2,773	54	88	0	5,567	2,060	40,208	30	1,260	152
1979	1,240	859	312	3,052	44	91	1	6,680	2,552	40,034	17	1,080	290
1980	1,186	1,210	319	4,789	30	110	0	5,906	2,387	43,699	15	1,079	105
1981	1,340	108	464	3,863	25	91	0	6,878	2,568	45,859	20	1,722	55
1982	1,246	49	583	3,382	53	104	2	7,296	2,602	46,960	21	1,980	36
1983	1,306	72	454	4,383	61	89	1	6,822	2,473	46,117	14	1,992	87
1984	1,322	113	427	5,811	20	75	0	6,796	2,285	48,032	9	2,268	111
1985	1,482	181	409	2,366	26	70	1	6,947	2,157	58,532	18	N.A.	184
1986	1,766	944	-	1,583	10	81	0	6,465	2,111	69,998	21	884	2
1987	1,815	449	206	5,091	13	57	0	10,472*	4,452	84,022	8	1,514	1
1988	1,814	56	81	3,406	12	66	0	11,966	5,042	52,404	6	1,945	5
1989	2,118	135	108	4,307	19	50	0	13,748	4,362	40,533	9	2,170	16
1990	2,937	1,108	175	4,732	21	79	0	16,195	4,265	35,236	12	1,539	4
1991	3,111	1,909	325	4,967	22	30	0	14,895	3,133	28,945	5	1,725	2
1992	3,283	68	258	6,578	24	28	0	13,439	2,246	21,709	9	1,322	0
1993	2,753	19	267	5,359	116	40	0	10,476	1,129	18,477	5	1,574	22

*Infection with Human Immunodeficiency Virus, and behavior associated with drug use, may be contributing to the increase in reported syphilis cases.

Table 34.

Incidence of AIDS* By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-1993

Sex/Risk Group	1980-1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Male										
Intravenous Drug User	793	726	1,111	1,468	2,123	2,235	2,671	3,132	3,807	4,218
Sex with Men**	2,052	1,514	2,164	2,398	2,593	2,609	2,581	2,724	2,987	3,111
Transfusion	9	16	18	26	25	13	1	8	1	4
Other	365	220	298	391	494	580	597	815	917	1,042
Total	3,219	2,476	3,591	4,283	5,235	5,437	5,850	6,679	7,712	8,375
Female										
Intravenous Drug User	229	176	301	459	646	739	936	1,212	1,443	1,589
Male Sex Partner	53	70	109	213	252	311	396	491	624	918
Transfusion	10	6	16	22	15	9	6	5	7	3
Other	49	30	38	53	80	114	137	201	249	272
Total	341	282	464	747	993	1,173	1,475	1,909	2,323	2,782

*Excludes those under 13 years of age. Figures previously published have been revised to include additional reports.

**Excludes intravenous drug users.

TECHNICAL NOTES

VITAL EVENTS - Vital Event data are based on occurrences in New York City to both residents and non-residents. Counts of births, deaths and induced and spontaneous terminations of pregnancy are based on certificates filed with the Bureau of Vital Records, New York City Department of Health. The number of marriages shown in Table 1 is the number of marriage licenses issued by the City Clerk. Tables 14, 15 and 16 use other data sources; see Life Expectancy below. ●For public health purposes, the medical and demographic information on the certificates is coded in general agreement with standards developed by the National Center for Health Statistics (NCHS). In some instances, such as Ancestry of decedent or mother, New York City data are more detailed. ●Legitimacy status does not appear on the certificate, but is inferred from other items.

POPULATION - Population data are census figures provided by the New York City Department of City Planning and the New York State Department of Health. In Table 1, the population figures for census years (1960, 1970, 1980 and 1990) are census counts; for intercensal years straight-line interpolations are used. Rates in this table are based on the population shown, which may be out-dated. ●The corrected data in Table 2a are based on the Bureau of the Census's MARS File (modified for Age, Race and Sex). The primary change is the allocation to a race category of over 900,000 New York City residents of Hispanic ancestry who did not report a race in the Census; the number of New York City residents in the race category Other and Unknown declined from 1,392,964 to 556,918, while the number of whites increased by almost 650,000 and the number of blacks by almost 190,000. There were also some minor corrections in the age and sex distributions.

LIFE EXPECTANCY, AND SPECIFIC AND ADJUSTED DEATH RATES - Life expectancy tables summarize the effect of mortality rates prevailing at a specific time on persons being born or living at that time. Tables may be computed for population subgroups, most often males and females and race groups. The components required are counts and mortality figures for the desired subgroups. Life Expectancy tables are presented for census years, which are when the population data are available. The mortality experience for the census year and for the year before and the year after is used to smooth statistical variation. ●The same two sets of data, population and mortality, are used to prepare average yearly age-sex-specific death rates for the three years (Table 15). Finally, the mortality data are separated into cause groups, and used to calculate average yearly age-sex-race adjusted death rates (Table 16). Adjustment allows comparisons between rates to be made over time or between geographic areas by eliminating the effects of differences in the composition of the populations. ●A change in the data used for the 1980 and 1990 calculations is noted in Tables 15 and 16 by a line separating these rates from those for earlier years. The calculations for 1980 and 1990 used information on all deaths occurring to New York City residents regardless of place of occurrence (obtained from the New

York State Department of Health), whereas previous computations used all deaths occurring in New York City, regardless of residence of the decedent. The new data were also used to recompute 1980 Life Expectancy tables to facilitate comparisons with 1990 figures. ●Life expectancy tables for Hispanics cannot be calculated because of under reporting of Hispanic ancestry on death certificates; technical changes in the death certificate are planned to correct this problem.

RACE, ANCESTRY AND ETHNICITY - Race and Ancestry are separate items on the certificates. Responses are coded in general conformance to rules of NCHS. ●In 1992, five additional codes for Asian and Pacific Islander races were added, following their introduction by NCHS: Asian Indian, Guamanian, Korean, Samoan and Vietnamese. Codes previously used include Chinese, Filipino, Hawaiian, Japanese and Other. ●In certain instances, the item Birthplace is used to remove ambiguity in the Race item. ●Persons whose race is black and whose ancestry is American are classified as being of African-American ancestry. ●A new method of assigning Asian ethnicity is introduced in 1993, using Asian race rather than Asian ancestry as was due in the past. The ordered selection rules first assign Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other ancestries are classified by race as Asian, Other White, Other Black, Other or Unknown. This change is made to take advantage of expanded Asian race categories introduced in 1992. Asian and Pacific Islander race codes now include Asian Indian, Chinese, Filipino, Hawaiian, Japanese, Korean, Samoan, Guamanian, Vietnamese and Other.

CAUSE OF DEATH - Cause of death information presented is the underlying cause of death on each certificate, selected using rules issued by NCHS and codes of the International Classification of Diseases, Ninth Revision, implemented in 1979. Earlier revisions and the year their codes were implemented are the Fifth, 1939; Sixth, 1949; Seventh, 1959; and Eighth, 1969. Long term trends in causes of death should be interpreted with caution because of possible change in causes and groupings with each revision.

External Causes of Death - External causes of death include accident, suicide, homicide and injury undetermined whether accidentally or purposely inflicted. ●The introduction of the category injury undetermined in 1969 affected the number of deaths classified as accidents or suicides; any discussion of trends in these causes should take this change into account. The number of deaths classified as injury undetermined has declined since 1989, but they should be considered in analysis of deaths due to external causes. ●The classification of accident types in Table 8 is based on categories developed by the National Safety Council, which emphasize the site of the accident. However, deaths due to firearms and to accidental drug poisoning are shown separately, regardless of site.

Deaths Due to Drug Abuse - Revised procedures at the Office of Chief Medical Examiner in 1989 led to a substantial portion of deaths related to drug use being classified as

accidental drug poisonings. In prior years, virtually all such deaths were classified as due to drug dependence. In order to maintain continuity with previously published Vital Statistics, three new categories have been added to various tables. "Accidental drug poisoning" is shown in Tables 3, 8 and 17. "Accidents except drug poisoning" appears in Tables 4 and 5. "Drug dependence and accidental drug poisoning" is shown in Tables 3, 4 and 5. Deaths due to accidental drug poisoning are assigned to one of the following four codes of the ICD-9, depending on the agent: E858.0, opiates and related narcotics; E854.1, psychodysleptics; E855.2, local anesthetics; E858.8, other drugs and combinations. Deaths due to drug dependence are assigned to code 304. Since 1989, the number of deaths assigned to accidental drug poisoning has declined; the category "drug dependence and accidental drug poisoning" is the most useful for analysis of trends.

AIDS Mortality - Mortality data for AIDS represent the number of deaths with underlying cause assigned to code 279.1 of the ICD-9 in 1986 and earlier, and to newly created code 042 in 1987 and thereafter. For other deaths due to Human Immunodeficiency Virus (HIV), codes 043 and 044 were also created in 1987. Since New York City has an active AIDS surveillance system, it is possible to compare death certificate data to the surveillance registry. Death certificate information for adult AIDS deaths for 1990 was compared to the New York AIDS Surveillance Registry and 92% were identified as confirmed AIDS cases. Among AIDS cases on the registry who died in 1990, 84% had AIDS as the underlying cause of death. Other underlying causes recorded for these decedents were HIV infection and pneumocystis pneumonia. Death certificates for pediatric (age under 13 years) AIDS cases agreed with the AIDS registry in 80% of cases. Among pediatric AIDS cases on the registry who died in 1990, 75% had AIDS as the underlying cause of death.

Maternal Deaths - Maternal deaths are those with underlying causes assigned to codes 630-679, complications of pregnancy, childbirth and the puerperium (the six-week period following childbirth). These codes are assigned only if death occurs within 42 days of delivery.

BOROUGH OF RESIDENCE - Borough of residence and other geographic classifications are based on the usual residence reported in the certificate. As of 1990 deaths of nursing home residents are assigned to the area where the nursing home is located, as residents of nursing homes are included in census figures. Prior to 1990, these deaths were reported in a separate category, Residents of Institutions.

PLACE OF DEATH - Hospital reported as the Place of Death includes residential units, hospices and other special facilities within the hospital. Nursing Home includes only sites licensed as Extended Care Facilities by the State of New York. Home includes, in addition to private houses and apartments, group quarters for special populations, homes for adults and other long-term residential sites.

Rates and Ratios

The numerators of the rates in these tables are events occurring in New York City and reported during the year, unless otherwise specified. The denominator is the resident population figure from the 1990 census, including all ages and both sexes, unless otherwise specified.

Live Birth Rate - The number of live births per 1,000 population.

$$\frac{\text{Live Births} \times 1,000}{\text{Population}}$$

Marriage Rate - The number of marriages per 1,000 population.

$$\frac{\text{Marriages} \times 1,000}{\text{Population}}$$

Infant Mortality Rate - The number of infant (under one year of age) deaths per 1,000 live births.

$$\frac{\text{Infant Deaths} \times 1,000}{\text{Live Births}}$$

Neonatal Mortality Rate - The number of neonatal (under 28 days) deaths per 1,000 live births.

Post-neonatal Mortality Rate - The number of post-neonatal (28 days days to under one year of age) deaths per 1,000 live births.

Fetal Death Ratio - The number of fetal deaths of 28 weeks gestation and over per 1,000 live births.

$$\frac{\text{Fetal deaths 28 weeks and over} \times 1,000}{\text{Live Births}}$$

Perinatal Mortality Rate - The number of fetal deaths of 28 weeks gestation and over plus the number of early neonatal (under seven days) deaths per 1,000 fetal deaths of 28 weeks gestation and over plus live births.

$$\frac{(\text{Fetal deaths 28 weeks and over} + \text{Infant deaths under 7 days}) \times 1,000}{\text{Fetal deaths 28 weeks and over} + \text{Live Births}}$$

Death Rate, all causes - The number of deaths per 1,000 population.

$$\frac{\text{Deaths all causes} \times 1,000}{\text{Population}}$$

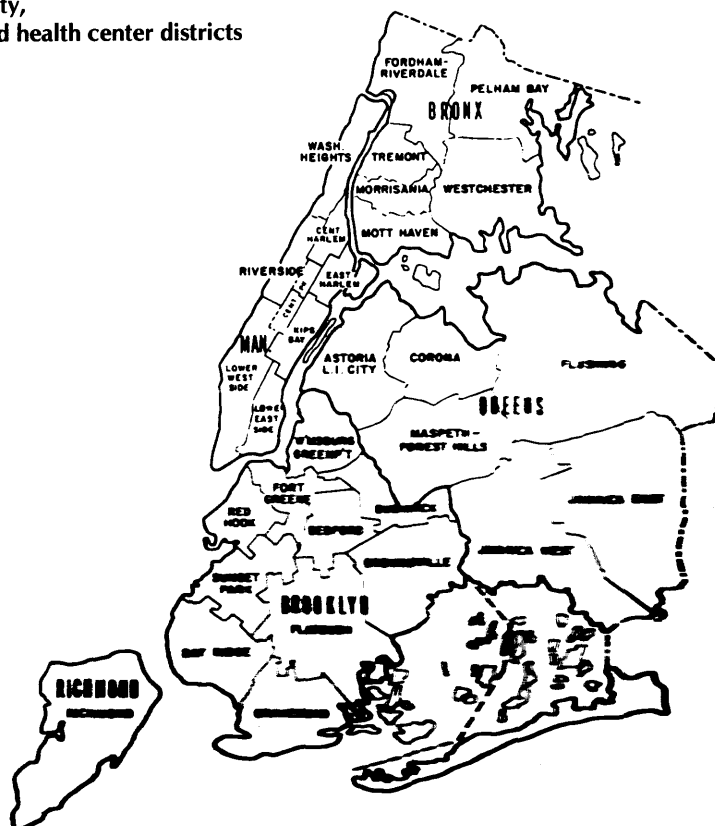
Death Rate, specified causes - The number of deaths due to a specified cause per 100,000 population.

Death Rate, age and sex specific - The number of deaths of persons of specified age and sex per 1,000 population of the specified age and sex.

Death Rate, age, sex and race adjusted - The number of deaths per 100,000 standard population. Age, sex and race specific death rates are applied to a standard population, eliminating the effect of differences in population composition, and allowing comparisons over time or between geographic areas.

Maternal Mortality Rate - The number of deaths due to complications of pregnancy, childbirth and puerperium occurring within 42 days of delivery per 10,000 live births.

Figure 11. New York City, boroughs and health center districts



HIGHLIGHTS

The 1993 New York City Vital Statistics Summary contains features recently added or expanded, designed to make this publication more useful.

POPULATION AND LIFE EXPECTANCY - Table 2a contains population figures from the 1990 census, corrected by the Bureau of the Census for certain underreporting. Counts for five-year age groups by sex and race are shown; separate counts are also given for Hispanic males and females, who may be of any race. New figures illustrate other aspects of census data: Figure 1 shows the age composition of the population from 1900 to 1990, while Figure 2 displays the age-sex composition of the 1990 population as a population pyramid.

Table 14 shows life expectancy for New York City and United States residents for 1980 and 1990 from birth to 85 years of age. The New York City resident mortality data have been improved from those used in previous years by including deaths occurring to City residents outside the City (obtained from the New York State Department of Health) and excluding deaths to nonresidents. Figure 3 compares changes in life expectancy at selected ages between New Yorkers and all United States residents.

Tables 15 and 16 have been updated using improved 1980 and 1990 mortality data. Table 15 contains decennial age-sex specific death rates and Table 16 shows age-sex-race adjusted death rates for selected causes.

Detailed discussions of the data can be found in the table footnotes and in the Technical Notes.

FIGURES - New figures illustrate other aspects of New York City's vital events. Figures 4 and 5, respectively, show the ethnicity of women delivering infants and of persons dying. Figure 6 shows sex and ethnicity of persons dying of AIDS from 1983 through 1991. Figure 7 shows the age characteristics of women experiencing differing birth outcomes in 1991, and Figure 8 displays age at death for infants from 1983 through 1991.

Figure 9 presents the average number of marriages, births and deaths each day, a snapshot of vital events in the City in tabular format. The most popular names for New York City-born infants, as well as some historic perspective, are given in Figure 10.

CAUSE OF DEATH - Table 17, which presents historic data on cause of death, now contains specific information on deaths due to malignant neoplasms of trachea, bronchus and lung among both males and females, and to breast cancer among females.

ETHNICITY - The definition of Asian ethnicity, which appears in many mortality and natality tables, is now based on an expanded list of Asian race codes, rather than on ancestry codes.

TECHNICAL NOTES AND DEFINITIONS - The Technical Notes have been greatly expanded, and should be read by every user of this Summary. Definitions that will assist in understanding the data are presented, as are some limitations of the data.



DEPARTMENT OF HEALTH
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