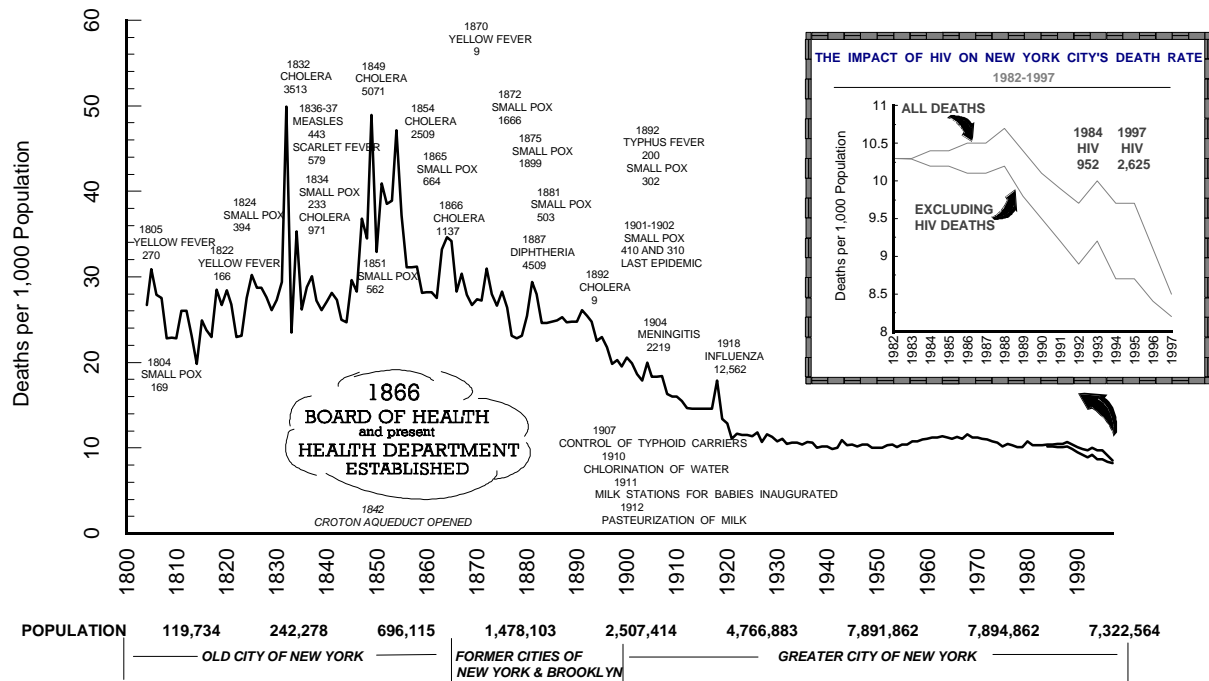


SUMMARY OF VITAL STATISTICS 1997

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.



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Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1997

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
1994	7,322,564	133,662	18.3	70,438	9.6	71,038	9.7	1,207	9.0
1995	7,322,564	131,009	17.9	71,507	9.8	70,769	9.7	1,155	8.8
1996	7,322,564	126,901	17.3	79,361	10.8	66,784	9.1	992	7.8
1997	7,322,564	123,313	16.8	80,027	10.9	62,506	8.5	881	7.1

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, 1997**

Age In Years	DEATHS IN 1997											
	Race									Hispanic Ancestry*		
	All Races			White		Black		Other & Unknown		Total	Male	Female
	Total	Male	Female	Male	Female	Male	Female	Male	Female			
All Ages	62,506	30,640	31,866	20,891	22,461	7,950	8,104	1,799	1,301	8,006	4,426	3,580
Under 5	1,031	590	441	239	207	237	166	114	68	177	91	86
5-9	93	50	43	22	20	24	21	4	2	15	5	10
10-14	102	66	36	31	17	31	15	4	4	17	11	6
15-19	251	172	79	89	36	79	37	4	6	58	44	14
20-24	486	363	123	206	71	137	45	20	7	142	111	31
25-29	676	463	213	266	104	172	94	25	15	180	140	40
30-34	1,084	734	350	449	168	254	163	31	19	280	208	72
35-39	1,642	1,036	606	598	297	380	279	58	30	420	290	130
40-44	2,097	1,354	743	733	368	535	335	86	40	463	307	156
45-49	2,569	1,645	924	935	460	602	417	108	47	566	388	178
50-54	2,663	1,622	1,041	981	588	530	414	111	39	539	342	197
55-59	3,143	1,865	1,278	1,054	731	677	495	134	52	560	337	223
60-64	3,794	2,185	1,609	1,342	985	696	538	147	86	669	381	288
65-69	5,290	2,992	2,298	1,983	1,469	829	727	180	102	798	439	359
70-74	6,655	3,508	3,147	2,427	2,096	882	907	199	144	810	412	398
75-79	7,564	3,728	3,836	2,748	2,751	779	933	201	152	709	328	381
80-84	8,125	3,469	4,656	2,766	3,538	539	926	164	192	655	275	380
85 & Over	15,241	4,798	10,443	4,022	8,555	567	1,592	209	296	948	317	631

*Persons of Hispanic ancestry may be of any race.

Table 3.

**Deaths by Cause and Borough of Residence
New York City, 1997**

Cause (Codes from International Classification of Diseases, Ninth Revision, 1975)	Total	BOROUGH OF RESIDENCE						Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond			
Total Deaths	62,506	11,598	10,003	18,444	14,932	3,290	3,823	416	
All Natural Causes	59,690	11,084	9,524	17,660	14,299	3,196	3,623	304	
1. Tuberculosis, all (010-018)	55	16	8	18	3	4	4	2	
Tuberculosis of respiratory system (010-012)	44	12	7	17	3	3	2	-	
Other tuberculosis (013-018)	11	4	1	1	-	1	2	2	
2. Septicemia (038)	348	86	76	85	70	4	26	1	
3. Human immunodeficiency virus (HIV) infection (042-044)	2,625	767	610	792	293	40	85	38	
Acquired immunodeficiency syndrome (AIDS) (042)	2,576	751	602	779	285	39	83	37	
Other HIV infections (043-044)	49	16	8	13	8	1	2	1	
4. Viral hepatitis (070)	210	41	37	36	57	14	21	4	
5. Pneumocystosis (136.3)	25	6	2	11	6	-	-	-	
6. Other infective and parasitic diseases (Rest of 001-139)	122	30	19	28	28	4	12	1	
7. Malignant neoplasms, all (140-208)	14,194	2,739	1,960	3,983	3,302	798	1,380	32	
Lip, oral cavity and pharynx (140-149)	228	59	43	58	40	9	19	-	
Digestive organs and peritoneum (150-159)	4,038	772	570	1,150	1,006	202	331	7	
Stomach (151)	608	105	95	181	144	26	54	3	
Colon (153)	1,481	274	214	415	402	82	94	-	
Rectum (154)	246	46	36	70	64	15	15	-	
Liver, bile duct, gallbladder (155-156)	547	107	61	164	147	18	48	2	
Pancreas (157)	766	159	95	207	174	45	85	1	
Respiratory and intrathoracic organs (160-165)	3,373	620	446	964	831	230	272	10	
Trachea, bronchus and lung (162)	3,192	579	415	921	797	221	251	8	
Kaposi's sarcoma (173.9)	17	2	1	6	5	1	2	-	
Breast and genitourinary organs (174, 179-189)	3,709	719	536	1,051	848	200	348	7	
Breast, female (174)	1,378	278	202	378	323	72	122	3	
Cervix uteri (180)	168	30	44	48	32	5	9	-	
Ovary and other uterine adnexa (183)	410	73	48	126	98	17	48	-	
Prostate (185)	847	166	126	243	198	48	65	1	
Bladder and other urinary organs (188-189)	602	106	70	164	134	45	81	2	
Other and unspecified sites (Rest of 140-199)	1,401	312	176	363	284	85	178	3	
Lymphatic and hematopoietic tissues (200-208)	1,428	255	188	391	288	71	230	5	
Leukemia and aleukemia (204-208)	506	91	64	125	105	28	91	2	
8. Benign and unspecified neoplasms (210-239)	201	38	23	65	47	9	19	-	
9. Diabetes mellitus (250)	1,590	295	332	501	303	93	59	7	
10. Alcohol dependence syndrome (303)	316	77	47	98	60	10	6	18	
11. Drug dependence (304)	885	184	193	220	113	30	108	37	
Drug dependence and accidental drug poisoning	904	186	195	225	115	31	114	38	
12. Diseases of nervous system (320-389)	499	125	85	124	102	32	29	2	
Alzheimer's disease (331.0)	74	27	12	18	13	4	-	-	
13. Cardiovascular diseases, all (390-459)	29,642	4,864	4,453	9,103	8,089	1,651	1,370	112	
Cerebrovascular disease (430-438)	2,119	488	374	618	459	87	91	2	
Heart diseases (393-398, 402, 404-429)	26,218	4,069	3,838	8,122	7,387	1,499	1,199	104	
Chronic rheumatic heart disease (393-398)	68	13	8	18	13	-	15	1	
Ischemic heart disease (410-414)	20,625	2,862	2,731	6,585	6,160	1,301	943	43	
Other forms of heart disease (420-429)	3,221	734	568	964	640	138	144	33	
Hypertensive disease (401-404)	2,095	422	501	494	523	51	78	26	
Atherosclerosis (440)	230	55	50	76	35	8	6	-	
14. Pneumonia and influenza (480-487)	2,618	578	493	753	498	177	100	19	
15. Chronic obstructive pulmonary diseases, all (490-496)	1,604	312	290	462	347	133	56	4	
Bronchitis, emphysema (490-492)	225	42	26	71	53	24	7	2	
Asthma (493)	235	44	74	63	43	6	4	1	
16. Ulcer of stomach and duodenum (531-533)	149	34	39	37	21	6	12	-	
17. Appendicitis (540-543)	24	2	4	5	10	1	1	1	
18. Intestinal obstruction and hernia (550-553, 560)	95	21	12	28	27	1	6	-	
19. Chronic liver disease and cirrhosis (571)	720	163	162	208	119	36	28	4	
20. Nephritis, nephrotic syndrome and nephrosis (580-589)	378	87	47	119	80	22	23	-	
21. Hyperplasia of prostate (600)	13	7	4	-	2	-	-	-	
22. Complications of pregnancy, childbirth and the puerperium (630-676)	17	4	3	7	1	1	-	1	
23. Congenital anomalies (740-759)	357	39	62	115	62	15	64	-	
24. Certain conditions originating in the perinatal period (760-779)	490	57	93	200	92	17	31	-	
25. Sudden infant death syndrome (798.0)	51	4	9	25	6	4	3	-	
26. Symptoms, signs and ill-defined conditions (Rest of 780-799)	200	44	15	49	71	5	7	9	
Pending final determination (799.9)	92	13	3	10	57	-	3	6	
27. All other diseases	2,262	464	446	588	490	89	173	12	
All External Causes	2,816	514	479	784	633	94	200	112	
Firearms	598	93	140	203	108	14	30	10	
28. Total accidents (E800-E949)	1,319	224	180	363	350	43	114	45	
Accidental drug poisoning	19	2	2	5	2	1	6	1	
Motor vehicle accidents (E810-E825)	499	76	61	138	141	19	53	11	
Home accidents	432	92	57	117	130	10	20	6	
29. Suicide and self inflicted injuries (E950-E959)	545	133	83	114	130	34	39	12	
30. Homicide and legal intervention (E960-E969, E970-E978, E990-E999)	793	129	183	273	133	15	37	23	
31. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	159	28	33	34	20	2	10	32	

Note: Accidental drug poisoning codes include E850.0, E854.1, E855.2 and E858.8.
Firearm codes include E922, E955.0-E955.4, E965.0-E965.4, E970, and E985.0-E985.4.

Table 4a.

Chief Causes of Death in Specified Ethnic Groups by Sex
New York City, 1997

Males			Females	
Deaths	Percent		Deaths	Percent
PUERTO RICAN				
690	26.0	Heart Diseases.	727	33.5
444	16.7	Malignant Neoplasms.	440	20.2
401	15.1	Human Immunodeficiency Virus Infection.	170	7.8
91	3.4	Diabetes Mellitus.	121	5.6
147	5.5	Chronic Liver Disease and Cirrhosis.	46	2.1
89	3.4	Pneumonia and Influenza.	100	4.6
93	3.5	Cerebrovascular Disease.	85	3.9
114	4.3	Drug Dependence and Accidental Drug Poisoning.	28	1.3
69	2.6	Chronic Obstructive Pulmonary Disease.	69	3.2
71	2.7	Accidents Except Drug Poisoning.	41	1.9
442	16.7	All Other Causes.	346	15.9
2,651	100.0	Total.	2,173	100.0
OTHER HISPANIC				
494	27.8	Heart Diseases.	467	33.2
323	18.2	Malignant Neoplasms.	358	25.4
154	8.7	Human Immunodeficiency Virus Infection.	33	2.3
122	6.9	Homicide.	30	2.1
76	4.3	Cerebrovascular Disease.	76	5.4
89	5.0	Accidents Except Drug Poisoning.	41	2.9
46	2.6	Pneumonia and Influenza.	48	3.4
36	2.0	Diabetes Mellitus.	53	3.8
74	4.2	Drug Dependence and Accidental Drug Poisoning.	5	0.4
50	2.8	Suicide.	19	1.4
311	17.5	All Other Causes.	277	19.7
1,775	100.0	Total.	1,407	100.0
ASIAN AND PACIFIC ISLANDER				
406	32.6	Heart Diseases.	312	35.4
332	26.7	Malignant Neoplasms.	246	27.9
64	5.1	Cerebrovascular Disease.	62	7.0
44	3.5	Pneumonia and Influenza.	43	4.9
58	4.7	Accidents Except Drug Poisoning.	28	3.2
46	3.7	Chronic Obstructive Pulmonary Disease.	18	2.0
31	2.5	Diabetes Mellitus.	20	2.3
22	1.8	Suicide.	16	1.8
24	1.9	Homicide.	6	0.7
14	1.1	Congenital Anomalies.	9	1.0
203	16.3	All Other Causes.	121	13.7
1,244	100.0	Total.	881	100.0
OTHER WHITE				
7,614	45.7	Heart Diseases.	9,970	52.3
4,060	24.4	Malignant Neoplasms.	4,379	23.0
698	4.2	Pneumonia and Influenza.	885	4.6
413	2.5	Cerebrovascular Disease.	593	3.1
434	2.6	Chronic Obstructive Pulmonary Disease.	543	2.8
377	2.3	Accidents Except Drug Poisoning.	277	1.5
266	1.6	Diabetes Mellitus.	349	1.8
369	2.2	Human Immunodeficiency Virus Infection.	97	0.5
286	1.7	Drug Dependence and Accidental Drug Poisoning.	61	0.3
130	0.8	Diseases of Nervous System.	160	0.8
2,006	12.0	All Other Causes.	1,758	9.2
16,653	100.0	Total.	19,072	100.0
OTHER BLACK				
2,261	29.0	Heart Diseases.	2,980	37.6
1,691	21.7	Malignant Neoplasms.	1,780	22.4
874	11.2	Human Immunodeficiency Virus Infection.	457	5.8
244	3.1	Cerebrovascular Disease.	384	4.8
277	3.6	Pneumonia and Influenza.	337	4.2
257	3.3	Diabetes Mellitus.	339	4.3
325	4.2	Homicide.	59	0.7
166	2.1	Chronic Obstructive Pulmonary Disease.	178	2.2
218	2.8	Drug Dependence and Accidental Drug Poisoning.	94	1.2
216	2.8	Accidents Except Drug Poisoning.	81	1.0
1,263	16.2	All Other Causes.	1,247	15.7
7,792	100.0	Total.	7,936	100.0

Note: The ten leading causes of death in each ethnic group for both sexes combined are arranged in decreasing order of frequency.

Totals may not equal 100% due to rounding. Decedents of other and unknown ethnicities are not shown.

See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.

Table 4.

**Chief Causes of Death in Specified Age Groups by Sex
New York City, 1997**

Males		ALL AGES		Females	
Deaths	Percent			Deaths	Percent
11,616	37.9	Heart Diseases.		14,602	45.8
6,924	22.6	Malignant Neoplasms.		7,270	22.8
1,850	6.0	Human Immunodeficiency Virus Infection.		775	2.4
1,189	3.9	Pneumonia and Influenza.		1,429	4.5
903	2.9	Cerebrovascular Disease.		1,216	3.8
752	2.5	Chronic Obstructive Pulmonary Disease.		852	2.7
692	2.3	Diabetes Mellitus.		898	2.8
827	2.7	Accidents Except Drug Poisoning.		473	1.5
710	2.3	Drug Dependence and Accidental Drug Poisoning.		194	0.6
643	2.1	Homicide.		150	0.5
4,534	14.8	All Other Causes.		4,007	12.6
30,640	100.0	Total.		31,866	100.0
UNDER 1 YEAR					
120	23.9	Congenital Anomalies.		101	26.6
63	12.5	Other Conditions of the Perinatal Period.		53	14.0
52	10.4	Respiratory Distress Syndrome.		33	8.7
46	9.2	Short Gestation and Low Birth Weight.		28	7.4
43	8.6	Respiratory Conditions of Newborn.		29	7.7
30	6.0	Sudden Infant Death Syndrome.		21	5.5
17	3.4	Infections Specific to the Perinatal Period.		15	4.0
17	3.4	Perinatal Disorders of Digestive System.		7	1.8
8	1.6	Heart Diseases.		9	2.4
12	2.4	Neonatal Hemorrhage.		4	1.1
94	18.7	All Other Causes.		79	20.8
502	100.0	Total.		379	100.0
1 TO 14 YEARS					
29	14.2	Accidents Except Drug Poisoning.		20	14.2
27	13.2	Congenital Anomalies.		20	14.2
22	10.8	Malignant Neoplasms.		21	14.9
20	9.8	Human Immunodeficiency Virus Infection.		16	11.3
23	11.3	Diseases of Nervous System.		11	7.8
16	7.8	Homicide.		10	7.1
10	4.9	Heart Diseases.		4	2.8
7	3.4	Pneumonia and Influenza.		3	2.1
6	2.9	Benign and Unspecified Neoplasms.		4	2.8
5	2.5	Injury Undetermined.		4	2.8
39	19.1	All Other Causes.		28	19.9
204	100.0	Total.		141	100.0
15 TO 24 YEARS					
201	37.6	Homicide.		33	16.3
99	18.5	Accidents Except Drug Poisoning.		20	9.9
50	9.3	Suicide.		17	8.4
40	7.5	Malignant Neoplasms.		27	13.4
35	6.5	Drug Dependence and Accidental Drug Poisoning.		13	6.4
26	4.9	Heart Diseases.		15	7.4
12	2.2	Human Immunodeficiency Virus Infection.		11	5.4
11	2.1	Congenital Anomalies.		8	4.0
9	1.7	Diseases of Nervous System.		4	2.0
5	0.9	Cerebrovascular Disease.		4	2.0
5	0.9	Chronic Obstructive Pulmonary Disease.		4	2.0
42	7.9	All Other Causes.		46	22.8
535	100.0	Total.		202	100.0
25 TO 34 YEARS					
277	23.1	Human Immunodeficiency Virus Infection.		157	27.9
188	15.7	Drug Dependence and Accidental Drug Poisoning.		36	6.4
178	14.9	Homicide.		34	6.0
84	7.0	Malignant Neoplasms.		94	16.7
112	9.4	Accidents Except Drug Poisoning.		25	4.4
80	6.7	Suicide.		33	5.9
75	6.3	Heart Diseases.		33	5.9
15	1.3	Diseases of Nervous System.		13	2.3
7	0.6	Pneumonia and Influenza.		19	3.4
20	1.7	Diabetes Mellitus.		4	0.7
20	1.7	Injury Undetermined.		4	0.7
141	11.8	All Other Causes.		111	19.7
1,197	100.0	Total.		563	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.

See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
754	31.5	Human Immunodeficiency Virus Infection.....		345	25.6
239	10.0	Malignant Neoplasms.....		334	24.8
268	11.2	Heart Diseases.....		141	10.5
278	11.6	Drug Dependence and Accidental Drug Poisoning.....		90	6.7
125	5.2	Accidents Except Drug Poisoning.....		36	2.7
123	5.1	Homicide.....		25	1.9
95	4.0	Suicide.....		27	2.0
63	2.6	Chronic Liver Disease and Cirrhosis.....		31	2.3
43	1.8	Cerebrovascular Disease.....		33	2.4
40	1.7	Pneumonia and Influenza.....		30	2.2
362	15.1	All Other Causes.....		257	19.1
2,390	100.0	Total.....		1,349	100.0
45 TO 54 YEARS					
692	21.2	Malignant Neoplasms.....		770	39.2
723	22.1	Heart Diseases.....		353	18.0
549	16.8	Human Immunodeficiency Virus Infection.....		185	9.4
172	5.3	Drug Dependence and Accidental Drug Poisoning.....		48	2.4
169	5.2	Chronic Liver Disease and Cirrhosis.....		38	1.9
121	3.7	Cerebrovascular Disease.....		77	3.9
122	3.7	Accidents Except Drug Poisoning.....		33	1.7
59	1.8	Diabetes Mellitus.....		73	3.7
80	2.4	Alcohol Dependence.....		27	1.4
31	0.9	Chronic Obstructive Pulmonary Disease.....		64	3.3
549	16.8	All Other Causes.....		297	15.1
3,267	100.0	Total.....		1,965	100.0
55 TO 64 YEARS					
1,225	30.2	Malignant Neoplasms.....		1,157	40.1
1,388	34.3	Heart Diseases.....		810	28.1
126	3.1	Cerebrovascular Disease.....		139	4.8
114	2.8	Diabetes Mellitus.....		142	4.9
178	4.4	Human Immunodeficiency Virus Infection.....		43	1.5
138	3.4	Chronic Liver Disease and Cirrhosis.....		48	1.7
93	2.3	Chronic Obstructive Pulmonary Disease.....		84	2.9
104	2.6	Pneumonia and Influenza.....		65	2.3
88	2.2	Accidents Except Drug Poisoning.....		43	1.5
66	1.6	Alcohol Dependence.....		14	0.5
530	13.1	All Other Causes.....		342	11.8
4,050	100.0	Total.....		2,887	100.0
65 TO 74 YEARS					
2,728	42.0	Heart Diseases.....		2,084	38.3
2,092	32.2	Malignant Neoplasms.....		1,854	34.0
218	3.4	Diabetes Mellitus.....		221	4.1
206	3.2	Cerebrovascular Disease.....		214	3.9
209	3.2	Chronic Obstructive Pulmonary Disease.....		178	3.3
203	3.1	Pneumonia and Influenza.....		160	2.9
98	1.5	Chronic Liver Disease and Cirrhosis.....		51	0.9
58	0.9	Hypertensive Disease.....		66	1.2
63	1.0	Accidents Except Drug Poisoning.....		58	1.1
44	0.7	Diseases of Nervous System.....		42	0.8
581	8.9	All Other Causes.....		517	9.5
6,500	100.0	Total.....		5,445	100.0
75 TO 84 YEARS					
3,594	49.9	Heart Diseases.....		4,326	50.9
1,796	25.0	Malignant Neoplasms.....		1,937	22.8
375	5.2	Pneumonia and Influenza.....		367	4.3
236	3.3	Cerebrovascular Disease.....		344	4.1
241	3.3	Chronic Obstructive Pulmonary Disease.....		275	3.2
169	2.3	Diabetes Mellitus.....		233	2.7
92	1.3	Accidents Except Drug Poisoning.....		106	1.2
54	0.8	Hypertensive Disease.....		119	1.4
49	0.7	Nephritis and Nephrosis.....		73	0.9
39	0.5	Diseases of Nervous System.....		63	0.7
552	7.7	All Other Causes.....		649	7.6
7,197	100.0	Total.....		8,492	100.0
85 AND OVER					
2,796	58.3	Heart Diseases.....		6,827	65.4
732	15.3	Malignant Neoplasms.....		1,074	10.3
389	8.1	Pneumonia and Influenza.....		750	7.2
153	3.2	Cerebrovascular Disease.....		396	3.8
135	2.8	Chronic Obstructive Pulmonary Disease.....		213	2.0
80	1.7	Diabetes Mellitus.....		197	1.9
91	1.9	Accidents Except Drug Poisoning.....		128	1.2
39	0.8	Hypertensive Disease.....		96	0.9
25	0.5	Atherosclerosis.....		78	0.7
40	0.8	Nephritis and Nephrosis.....		61	0.6
318	6.6	All Other Causes.....		623	6.0
4,798	100.0	Total.....		10,443	100.0

Table 5. Deaths and Death Rates per 100,000 Population from Selected Causes by Health Center District of Residence, New York City, 1997

Health Center District	Population April 1, 1990	All Causes		Heart Diseases		Malignant Neoplasms		HIV Infection		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	
		No.	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
		NEW YORK CITY	7,322,564	62,506*	8.5	26,218	358.0	14,194	193.8	2,625	35.8	2,618	35.8	2,119	28.9	1,604	21.9	720	9.8	1,590	21.7	904	12.3	1,300	17.8	545	7.4	793	10.8
MANHATTAN	1,487,536	11,598	7.8	4,069	273.5	2,739	184.1	767	51.6	578	38.9	488	32.8	312	21.0	163	11.0	295	19.8	186	12.5	222	14.9	133	8.9	129	8.7	28	1.9
Central Harlem	115,483	1,432	12.4	398	344.6	336	291.0	128	110.8	59	51.1	63	54.6	39	33.8	11	9.5	60	52.0	29	25.1	30	26.0	11	9.5	31	26.8	6	5.2
East Harlem	127,258	1,156	9.1	334	262.5	239	187.8	112	88.0	71	55.8	39	30.6	35	27.5	26	20.4	51	40.1	16	12.6	22	17.3	7	5.5	15	11.8	2	1.6
Kips Bay-Yorkville	235,583	1,696	7.2	707	300.1	453	192.3	36	15.3	81	34.4	77	32.7	47	20.0	16	6.8	27	11.5	10	4.2	31	13.2	16	6.8	1	0.4	3	1.3
Lower East Side	239,489	1,935	8.1	662	276.4	460	192.1	155	64.7	101	42.2	66	27.6	64	26.7	28	11.7	41	17.1	40	16.7	37	15.4	22	9.2	14	5.8	7	2.9
Lower West Side	294,275	2,062	7.0	730	248.1	510	173.3	146	49.6	95	32.3	91	30.9	58	19.7	32	10.9	42	14.3	39	13.3	37	12.6	31	10.5	9	3.1	6	2.0
Riverside	208,936	1,582	7.6	600	287.2	363	173.7	103	49.3	85	40.7	67	32.1	36	17.2	21	10.1	26	12.4	22	10.5	38	18.2	17	8.1	9	4.3	1	0.5
Washington Heights	266,512	1,735	6.5	638	239.4	378	141.8	87	32.6	86	32.3	85	31.9	33	12.4	29	10.9	48	18.0	30	11.3	27	10.1	29	10.9	50	18.8	3	1.1
BRONX	1,203,789	10,003	8.3	3,838	318.8	1,960	162.8	610	50.7	493	41.0	374	31.1	290	24.1	162	13.5	332	27.6	195	16.2	178	14.8	83	6.9	183	15.2	33	2.7
Fordham-Riverdale	245,226	2,234	9.1	975	397.6	420	171.3	89	36.3	130	53.0	75	30.6	58	23.7	24	9.8	54	22.0	30	12.2	41	16.7	21	8.6	26	10.6	8	3.3
Morrisania	144,743	1,198	8.3	325	224.5	232	160.3	126	87.1	61	42.1	47	32.5	38	26.3	35	24.2	60	41.5	36	24.9	27	18.7	8	5.5	29	20.0	7	4.8
Mott Haven	129,817	867	6.7	241	185.6	180	138.7	75	57.8	34	26.2	30	23.1	36	27.7	28	21.6	26	20.0	24	18.5	22	16.9	11	8.5	25	19.3	4	3.1
Pelham Bay	218,114	2,192	10.0	1,034	474.1	414	189.8	49	22.5	127	58.2	74	33.9	52	23.8	20	9.2	78	35.8	15	6.9	23	10.5	15	6.9	23	10.5	2	0.9
Tremont	190,532	1,097	5.8	289	151.7	181	95.0	164	86.1	44	23.1	46	24.1	31	16.3	30	15.7	35	18.4	43	22.6	15	7.9	9	4.7	42	22.0	7	3.7
Westchester	275,357	2,413	8.8	973	353.4	533	193.6	107	38.9	97	35.2	102	37.0	75	27.2	25	9.1	79	28.7	47	17.1	49	17.8	19	6.9	38	13.8	5	1.8
BROOKLYN	2,300,664	18,444	8.0	8,122	353.0	3,983	173.1	792	34.4	753	32.7	618	26.9	462	20.1	208	9.0	501	21.8	225	9.8	358	15.6	114	5.0	273	11.9	34	1.5
Bay Ridge	238,428	2,457	10.3	1,245	522.2	591	247.9	17	7.1	94	39.4	70	29.4	71	29.8	19	8.0	43	18.0	16	6.7	30	12.6	16	6.7	8	3.4	4	1.7
Bedford	232,911	1,785	7.7	614	263.6	347	149.0	141	60.5	84	36.1	86	36.9	47	20.2	25	10.7	83	35.6	43	18.5	28	12.0	9	3.9	42	18.0	2	0.9
Brownsville	278,444	2,056	7.4	760	272.9	442	158.7	155	55.7	69	24.8	74	26.6	44	15.8	34	12.2	62	22.3	32	11.5	43	15.4	10	3.6	55	19.8	5	1.8
Bushwick	182,574	1,112	6.1	388	212.5	199	109.0	88	48.2	33	18.1	52	28.5	26	14.2	18	9.9	45	24.6	25	13.7	32	17.5	9	4.9	37	20.3	1	0.5
Flatbush	502,102	3,508	7.0	1,603	319.3	803	159.9	124	24.7	130	25.9	124	24.7	76	15.1	25	5.0	78	15.5	21	4.2	68	13.5	18	3.6	46	9.2	5	1.0
Fort Greene	150,219	1,165	7.8	403	268.3	241	160.4	105	69.9	61	40.6	42	28.0	27	18.0	11	7.3	44	29.3	22	14.6	22	14.6	7	4.7	35	23.3	4	2.7
Gravesend	284,040	3,348	11.8	1,792	630.9	728	256.3	40	14.1	143	50.3	92	32.4	86	30.3	30	10.6	63	22.2	22	7.7	59	20.8	19	6.7	19	6.7	8	2.8
Red Hook-Gowanus	105,661	719	6.8	272	257.4	148	140.1	39	36.9	44	41.6	16	15.1	25	23.7	7	6.6	27	25.6	12	11.4	24	22.7	7	6.6	5	4.7	2	1.9
Sunset Park	170,313	1,291	7.6	643	377.5	274	160.9	41	24.1	45	26.4	23	13.5	35	20.6	24	14.1	25	14.7	11	6.5	22	12.9	9	5.3	15	8.8	2	1.2
Williamsburg-Greenpoint	155,972	1,003	6.4	402	257.7	210	134.6	42	26.9	50	32.1	39	25.0	25	16.0	15	9.6	31	19.9	21	13.5	30	19.2	10	6.4	11	7.1	1	0.6
QUEENS	1,951,598	14,932	7.7	7,387	378.5	3,302	169.2	293	15.0	498	25.5	459	23.5	347	17.8	119	6.1	303	15.5	115	5.9	348	17.8	130	6.7	133	6.8	20	1.0
Astoria	236,369	1,741	7.4	796	336.8	437	184.9	31	13.1	57	24.1	44	18.6	50	21.2	25	10.6	29	12.3	14	5.9	44	18.6	14	5.9	19	8.0	5	2.1
Corona	291,005	1,692	5.8	751	258.1	361	124.1	43	14.8	73	25.1	67	23.0	36	12.4	15	5.2	31	10.7	10	3.4	36	12.4	18	6.2	22	7.6	2	0.7
Flushing	456,393	3,455	7.6	1,699	372.3	854	187.1	16	3.5	139	30.5	115	25.2	92	20.2	25	5.5	67	14.7	22	4.8	77	16.9	32	7.0	19	4.2	3	0.7
Jamaica East	337,312	2,396	7.1	1,091	323.4	528	156.5	86	25.5	70	20.8	68	20.2	57	16.9	14	4.2	65	19.3	22	6.5	55	16.3	17	5.0	29	8.6	5	1.5
Jamaica West	361,199	3,168	8.8	1,745	483.1	573	158.6	89	24.6	87	24.1	81	22.4	64	17.7	18	5.0	76	21.0	27	7.5	64	17.7	29	8.0	29	8.0	3	0.8
Maspeth-Forest Hills	269,320	2,480	9.2	1,305	484.6	549	203.8	28	10.4	72	26.7	84	31.2	48	17.8	22	8.2	35	13.0	20	7.4	72	26.7	20	7.4	15	5.6	2	0.7
RICHMOND	378,977	3,290	8.7	1,499	395.5	798	210.6	40	10.6	177	46.7	87	23.0	133	35.1	36	9.5	93	24.5	31	8.2	42	11.1	34	9.0	15	4.0	2	0.5
NON-RESIDENTS	-	3,823	-	1,199	-	1,380	-	85	-	100	-	91	-	56	-	28	-	59	-	114	-	108	-	39	-	37	-	10	-
RESIDENCE UNKNOWN	-	416	-	104	-	32	-	38	-	19	-	2	-	4	-	4	-	7	-	38	-	44	-	12	-	23	-	32	-

*Deaths include events to non-residents

See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.

Table 6.

**Deaths by Place of Death
New York City, 1987-1997**

Place of Death	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Home.....	15,092	14,862	13,564	13,204	13,271	13,293	13,943	12,822	12,973	12,197	11,800
Hospital											
Voluntary.....	37,306	38,487	40,807	40,023	39,503	39,009	39,682	39,103	39,609	37,288	34,612
Proprietary.....	3,069	3,067	2,800	2,646	2,710	2,610	2,638	2,520	1,928	1,837	1,672
Municipal.....	11,392	11,579	10,957	10,202	9,376	8,517	8,845	8,231	7,710	7,046	6,158
Other Government.....	1,501	1,385	1,426	1,335	1,223	1,254	1,213	1,172	1,053	959	925
Nursing Home.....	5,279	5,679	3,790	3,891	3,791	3,848	4,564	5,110	5,551	5,753	5,746
Other Specified Place.....	2,809	2,758	2,613	2,574	2,547	2,468	2,516	2,080	1,945	1,704	1,593
Total.....	76,448	77,817	75,957	73,875	72,421	71,001	73,408	71,038	70,769	66,784	62,506

Table 7.

**Deaths by Ancestry and Borough of Residence
New York City, 1997**

Ancestry	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican.....	4,824	1,095	1,827	1,295	380	92	119	16
Dominican.....	1,012	425	282	149	134	6	13	3
Colombian.....	233	23	7	27	165	2	9	-
Ecuadorian.....	218	38	27	44	98	2	9	-
Mexican.....	119	27	17	34	30	1	10	-
Cuban.....	488	172	93	49	142	2	28	2
Other Hispanic.....	1,112	192	167	336	294	23	51	49
African-American.....	13,181	2,921	2,808	4,378	2,368	216	409	81
American.....	14,076	3,071	1,720	3,516	3,422	1,000	1,327	20
Guyanese.....	364	5	25	172	152	1	9	-
Haitian.....	479	22	11	287	131	2	25	1
Jamaican.....	483	17	120	271	50	1	22	2
Trinidadian.....	212	9	8	150	38	2	5	-
All Other North, Central and South American.....	946	101	165	432	194	18	36	-
English.....	378	74	34	56	98	66	50	-
German.....	1,810	350	149	190	832	107	177	5
Irish.....	2,918	374	414	548	943	327	305	7
Italian.....	7,089	439	961	2,375	1,809	969	527	9
Polish.....	1,780	254	179	657	521	83	83	3
Russian.....	1,810	180	141	1,069	335	35	48	2
Other European.....	2,908	568	259	648	1,120	154	156	3
Asian Indian.....	201	10	9	23	115	11	32	1
Bangladeshi.....	38	2	5	9	22	-	-	-
Chinese.....	1,257	491	27	308	358	29	40	4
Filipino.....	168	27	6	23	77	15	19	1
Korean.....	233	10	17	9	156	11	29	1
Pakistani.....	78	6	9	17	36	4	6	-
Other Asian.....	334	56	31	100	98	8	41	-
Jewish or Hebrew.....	1,818	210	162	853	442	18	130	3
Other & Not Stated.....	1,939	429	323	419	372	85	108	203
Total.....	62,506	11,598	10,003	18,444	14,932	3,290	3,823	416

Note: See the Technical Notes for a discussion of race, ancestry and ethnicity.

Table 7a.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 1997**

Characteristic	All Deaths	Sex		Age Group							
		Male	Female	<20	20-24	25-34	35-44	45-54	55-64	65+	
Selected Events											
Transportation incident.....	14	14	0	0	3	3	3	4	0	1	
Assaults and violent acts.....	51	49	2	2	4	18	13	4	7	3	
Homicide.....	46	45	1	2	4	16	11	4	6	3	
Shooting.....	38	37	1	2	3	14	9	3	5	2	
Falls.....	27	26	1	0	2	6	7	6	3	3	
Selected Industries											
Construction.....	30	30	0	1	2	5	8	8	4	2	
Taxicabs.....	17	17	0	1	2	8	4	0	0	2	
Grocery stores.....	7	7	0	1	0	1	1	4	0	0	
Eating and drinking places.....	6	5	1	0	3	2	0	0	1	0	
Police and fire protection.....	2	2	0	0	0	2	0	0	0	0	
Race											
White.....	51	50	1	2	5	9	11	12	8	4	
Black.....	28	28	0	0	3	10	9	4	1	1	
Other.....	30	28	2	1	1	9	9	5	3	2	
Hispanic Ancestry.....	25	23	2	2	3	6	6	4	2	2	
Total.....	109	106	3	3	9	28	29	21	12	7	

Note: Persons of Hispanic ancestry may be of any race. See Technical Notes for a discussion of race, ancestry and ethnicity.

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 1997

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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,319	18	14	9	3	8	7	39	8	60	12	114	28	128	38	128	35	88	43	64	58	183	234
Work	39	-	-	-	-	-	-	1	-	2	-	7	-	14	-	9	1	3	-	2	-	-	-
Accidental drug poisoning	19	-	-	-	-	-	-	-	-	-	-	2	3	3	2	6	2	-	-	1	-	-	-
Firearms	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-
Home																							
Poisoning (gas excepted)	5	2	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	1
Poisoning by gas and vapors	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Falls	273	1	-	2	-	-	-	-	-	-	-	5	3	11	-	15	3	15	7	11	14	85	101
Fire and flames	103	2	5	2	-	-	2	1	3	1	-	8	-	13	2	6	5	9	6	8	4	14	12
Drowning	3	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Suffocation	24	6	4	-	1	-	-	1	-	1	-	2	-	2	-	2	-	1	-	-	-	1	3
Other home accidents	22	2	1	-	-	-	-	-	-	-	-	2	-	3	1	2	1	1	1	1	-	1	6
Motor Vehicle																							
Injury to pedestrian	249	2	-	2	-	3	-	4	-	7	3	22	6	22	11	24	9	21	12	12	20	34	35
Collision with other motor vehicle	59	-	2	1	1	1	1	4	-	13	1	8	1	5	1	2	1	3	2	1	1	6	4
Collision with fixed object	76	-	-	-	-	-	-	11	2	12	-	15	6	12	4	4	-	1	1	2	-	4	2
Non-collision	15	1	-	-	-	-	-	1	2	1	2	1	2	1	2	1	2	-	-	-	1	-	1
Other motor vehicle accident	100	-	2	-	-	2	-	5	1	16	5	18	2	7	8	12	2	5	3	3	2	1	6
Public Place																							
Railroad and subway	21	-	-	-	-	-	-	3	-	-	-	5	-	5	1	3	-	1	-	1	-	2	-
Falls	127	-	-	1	-	-	-	4	-	-	-	3	-	9	1	14	2	9	4	5	4	23	48
Fire and flames	15	-	-	-	-	-	-	-	-	-	-	2	1	2	-	5	2	1	-	1	-	1	-
Drowning	17	-	-	-	-	1	1	1	-	4	-	1	-	1	-	3	-	1	1	2	-	-	1
Other	129	1	-	1	1	-	3	2	-	1	2	9	4	13	5	16	6	13	6	12	11	10	13
Late effects	20	-	-	-	-	-	-	2	1	-	-	2	-	4	1	2	-	4	-	2	-	1	1

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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	545	-	-	-	-	3	1	16	7	34	10	80	33	95	27	65	25	48	15	30	12	25	19
Poisoning by solid or liquid substances	82	-	-	-	-	-	-	-	2	1	3	8	9	6	8	7	8	9	7	2	3	4	5
Poisoning by gases and vapors	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Hanging, strangulation and suffocation	154	-	-	-	-	2	-	6	1	11	2	24	5	26	7	21	10	16	1	8	4	6	4
Submersion (drowning)	22	-	-	-	-	-	-	1	-	1	1	3	2	5	-	2	-	4	-	1	-	1	1
Firearms	103	-	-	-	-	1	-	5	-	14	1	24	2	18	1	13	1	8	1	6	-	8	-
Jumping before moving object	33	-	-	-	-	-	-	1	-	-	-	3	-	12	2	6	-	2	-	4	-	1	2
Cutting and piercing instruments	14	-	-	-	-	-	-	14	-	-	-	-	-	1	-	4	1	1	3	1	1	2	-
Jumping from high place	125	-	-	-	-	-	1	2	4	7	3	17	14	24	9	10	5	6	3	7	4	2	7
Other and unspecified means	8	-	-	-	-	-	-	1	-	-	-	1	1	2	-	1	-	1	-	-	-	1	-
Late effects	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 1997 - CONTINUED

Table 10. Homicide and Legal Intervention

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	793	9	11	4	2	8	3	68	12	133	21	178	34	123	25	69	18	27	8	19	9	5	7
Poisoning	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hanging and strangulation	40	3	2	-	-	-	1	-	2	2	2	6	3	3	2	2	2	2	1	2	1	2	
Submersion (drowning)	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Firearms	483	-	-	1	-	5	1	62	5	110	12	140	15	67	7	29	5	13	1	6	2	1	1
Cutting and piercing	152	-	1	1	-	2	1	5	2	17	5	28	9	32	12	17	6	4	3	4	-	2	1
Child battering	9	4	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire and flames	15	-	-	-	-	-	-	-	1	-	1	2	1	1	-	3	1	2	1	-	2	-	-
Pushing from high place	2	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Striking with object	16	-	1	-	-	-	-	-	-	-	-	1	-	5	-	4	1	1	-	2	-	-	1
Fight, brawl, or rape	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Late effects	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-
Other and unspecified means	66	2	3	1	1	1	-	1	2	1	1	3	2	13	3	12	3	5	1	5	3	1	2
Legal intervention, all	7	-	-	-	-	-	-	-	-	3	-	1	1	2	-	-	-	-	-	-	-	-	-

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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	159	11	6	1	1	1	0	2	0	3	2	20	4	28	11	21	5	20	4	10	3	4	2
Fire and flames	6	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	1	-	-	-	1	1
Poisoning by solid or liquid substance	19	-	1	-	-	-	-	-	-	1	1	-	1	4	1	2	2	2	1	1	1	1	-
Poisoning by gases in domestic use	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poisoning by other gases	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Hanging, strangulation or suffocation	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Submersion (drowning)	25	1	1	-	-	-	-	-	-	-	-	7	1	6	2	4	-	1	-	2	-	-	-
Firearms	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-
Falling from high places	10	-	-	-	-	1	-	1	-	1	-	3	-	2	-	-	-	1	1	-	-	-	-
Other and unspecified means	95	10	4	1	1	-	-	1	-	1	-	7	2	16	7	13	3	15	2	7	2	2	1

Table 12.

Deaths from HIV Infection by Sex and Ethnic Group, New York City, 1983-1997

AGE GROUP/ETHNIC GROUP	MALE											FEMALE										
	1983-1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1983-1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
ALL AGES Total	7,605	3,108	3,553	3,764	4,213	4,567	4,746	5,267	5,240	3,616	1,850	1,277	665	729	852	1,015	1,222	1,374	1,835	1,806	1,382	775
Puerto Rican	1,235	503	680	572	609	679	695	1,075	1,082	784	401	286	148	164	174	185	218	268	399	432	321	170
Other Hispanic	590	331	312	385	478	543	586	441	473	290	154	42	67	61	63	101	117	132	109	111	78	33
Asian & Pacific Islander	66	25	33	26	30	29	23	31	52	23	16	6	1	3	3	4	7	5	2	4	4	4
Other White	2,905	1,009	1,207	1,297	1,297	1,407	1,318	1,449	1,452	888	369	185	88	111	124	147	174	177	289	280	200	97
Other Black	2,298	1,109	1,106	1,175	1,452	1,526	1,698	2,133	2,083	1,543	874	634	338	363	414	501	603	673	991	958	760	457
Other & Unknown	511	131	215	309	347	383	426	138	98	88	36	124	23	27	74	78	106	117	42	23	19	14
UNDER 1 Total	33	16	19	18	16	7	13	11	12	7	2	45	5	17	21	11	8	13	20	2	6	3
Puerto Rican	6	5	5	2	3	-	1	2	-	-	-	4	-	4	4	-	1	1	3	-	1	-
Other Hispanic	2	-	6	2	1	1	2	-	1	-	-	4	1	3	1	-	2	2	-	-	-	-
Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other White	9	4	1	4	-	-	2	3	3	4	-	6	-	1	2	1	-	1	5	-	1	-
Other Black	13	6	6	8	12	6	8	6	7	2	2	26	3	9	14	8	4	9	10	2	4	3
Other & Unknown	2	1	1	2	-	-	-	-	1	1	-	5	1	-	-	2	1	-	2	-	-	-
1-14 Total	68	25	32	41	39	42	37	51	53	48	20	70	29	20	31	42	33	45	45	60	44	16
Puerto Rican	12	5	7	8	7	6	5	13	9	9	5	12	4	3	9	12	3	7	6	11	7	3
Other Hispanic	6	2	2	3	7	10	7	5	4	2	2	4	5	2	4	5	4	7	3	4	5	1
Asian & Pacific Islander	2	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-	1	-	-
Other White	12	-	5	5	2	8	4	6	19	13	2	12	6	4	3	4	4	1	9	15	8	1
Other Black	35	17	18	23	21	12	18	25	21	22	10	35	11	10	13	16	18	27	26	28	23	11
Other & Unknown	1	1	-	2	2	6	3	1	-	2	1	6	3	1	2	5	3	3	1	1	1	-
15-24 Total	191	51	57	50	31	39	46	53	38	15	12	65	32	36	27	30	29	32	39	34	18	11
Puerto Rican	48	12	16	10	6	13	2	9	7	3	3	18	11	12	4	5	5	6	10	9	6	2
Other Hispanic	18	7	11	11	3	4	10	8	5	2	2	3	3	1	2	5	1	4	4	4	3	-
Asian & Pacific Islander	1	-	-	-	-	-	-	1	2	-	-	-	-	-	-	1	1	-	-	-	-	-
Other White	40	11	6	8	5	4	6	8	8	3	2	5	5	7	5	3	8	5	3	5	1	-
Other Black	68	17	23	17	14	17	23	27	15	6	5	32	13	12	12	13	14	14	21	15	6	8
Other & Unknown	16	4	1	4	3	1	5	-	1	1	-	7	-	4	4	3	-	3	1	1	2	1
25-34 Total	2,512	990	976	997	1,041	1,008	1,014	1,002	1,028	619	277	628	292	301	322	337	382	386	512	510	317	157
Puerto Rican	493	219	229	195	188	169	169	215	237	148	61	136	74	81	72	68	83	72	121	130	72	34
Other Hispanic	184	116	94	116	167	145	199	109	110	56	28	16	28	32	24	36	53	51	30	24	21	10
Asian & Pacific Islander	17	2	9	3	5	2	6	5	16	3	5	3	-	1	-	-	1	2	2	-	2	-
Other White	861	255	300	306	273	281	250	279	282	125	56	100	31	45	50	56	50	44	85	84	55	22
Other Black	791	348	289	309	318	326	305	377	366	276	122	318	149	132	155	150	161	186	263	268	166	88
Other & Unknown	166	50	55	68	90	85	85	17	17	11	5	55	10	10	21	27	34	31	11	4	1	3
35-44 Total	3,102	1,306	1,540	1,725	2,015	2,138	2,154	2,408	2,308	1,517	754	350	237	269	335	413	534	636	830	811	617	345
Puerto Rican	498	194	286	254	274	319	300	513	466	318	175	93	44	47	62	73	85	122	163	181	130	78
Other Hispanic	225	129	120	167	205	223	238	179	192	121	63	12	24	14	22	35	37	46	45	49	31	16
Asian & Pacific Islander	25	15	14	15	20	13	9	12	14	9	6	-	-	1	2	1	-	3	2	-	1	1
Other White	1,196	429	503	600	644	673	622	696	682	396	165	40	38	36	44	61	73	91	139	130	100	51
Other Black	946	500	524	545	714	737	794	939	917	646	336	169	123	161	173	213	287	319	463	439	342	191
Other & Unknown	212	39	93	144	158	173	191	69	37	27	9	36	8	10	32	30	52	55	18	12	13	8
45-54 Total	1,219	518	661	685	758	959	1,066	1,255	1,312	1,019	549	80	49	56	75	128	165	194	288	287	294	185
Puerto Rican	134	59	111	79	98	134	167	249	269	229	120	19	12	15	16	19	30	42	74	78	77	36
Other Hispanic	119	58	57	67	64	115	83	91	101	67	42	3	5	5	5	14	16	15	22	12	3	
Asian & Pacific Islander	14	4	8	7	3	12	8	9	14	5	3	-	1	-	-	-	1	2	1	-	1	1
Other White	536	210	268	278	257	320	311	325	337	264	107	11	2	9	11	15	28	25	35	32	29	20
Other Black	330	163	176	194	264	289	395	547	552	421	262	36	28	26	31	71	83	90	155	153	173	123
Other & Unknown	86	24	41	60	72	89	102	34	39	33	15	11	1	1	12	9	7	20	8	2	2	2
55 & OVER Total	480	202	268	248	313	374	416	487	489	391	236	39	21	30	41	54	71	68	101	102	86	58
Puerto Rican	44	9	26	24	33	38	51	74	94	77	37	4	3	2	7	8	11	18	22	23	28	17
Other Hispanic	36	19	22	19	31	45	47	49	60	42	17	-	1	4	5	6	4	7	12	8	6	3
Asian & Pacific Islander	6	4	2	1	2	2	-	3	6	6	2	2	-	1	1	1	-	-	-	1	-	2
Other White	251	100	124	96	116	121	123	132	121	83	37	11	6	9	9	7	11	10	13	14	6	3
Other Black	115	58	70	79	109	139	155	212	205	170	137	18	11	13	16	30	36	28	53	53	46	33
Other & Unknown	28	12	24	29	22	29	40	17	3	13	6	4	-	1	3	2	9	5	1	3	-	-

Note: For 1983-1986, only AIDS was recognized as a cause of death and coded 279.1; beginning in 1987, AIDS is coded 042 and other HIV infections are coded 042-044. In 1982, 30 deaths were attributed to AIDS.

Tables showing deaths due to AIDS alone for 1983-1996 can be found in the Vital Statistics Summaries for 1987-1996.

See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.

Table 13.

Characteristics of Decedents With Selected Causes of Death, New York City, 1997

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	62,506	7.7	5.1	3.4	57.2	25.2	1.5	49.0	22.3	2.4
HIV Infection	2,625	21.8	7.1	0.8	17.8	50.7	1.9	70.5	62.3	1.7
Chronic Liver Disease & Cirrhosis	720	26.8	7.4	3.2	39.6	20.6	2.5	70.7	33.3	0.1
Drug Dependence and Accidental Drug Poisoning	904	15.7	8.7	0.4	38.4	34.5	2.2	78.5	55.6	0.9
Motor Vehicle Accidents	499	9.4	12.0	8.0	46.3	23.2	1.0	67.3	44.3	9.2
Other Accidents	801	8.1	8.7	5.7	52.8	22.6	2.0	61.3	31.3	7.5
Suicide	545	9.4	12.7	7.0	52.5	17.6	0.9	72.7	49.0	5.0
Homicide	793	10.7	19.2	3.8	15.8	48.4	2.1	81.1	63.9	14.8
Injury Undetermined	159	6.3	8.2	4.4	38.4	35.8	6.9	76.1	45.9	13.8
All Other Causes	55,460	6.6	4.5	3.5	60.4	23.6	1.4	46.1	18.5	2.1

Note: See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.

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.

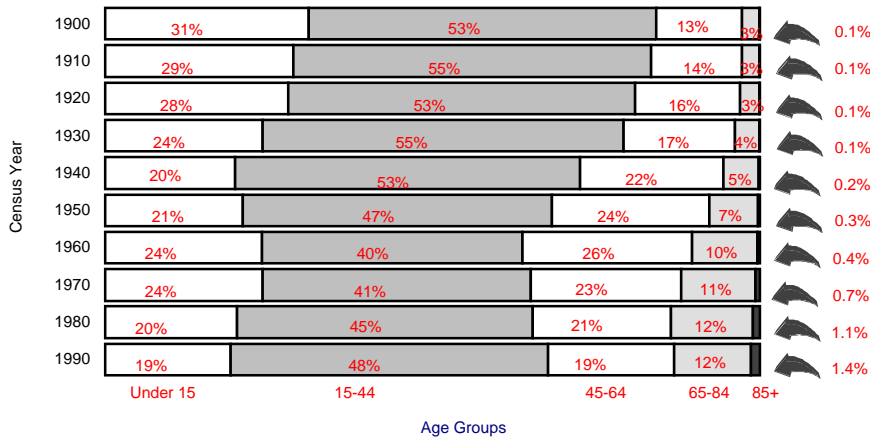


Figure 1. Changes in Age Composition of the Population New York City, 1900-1990

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 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.

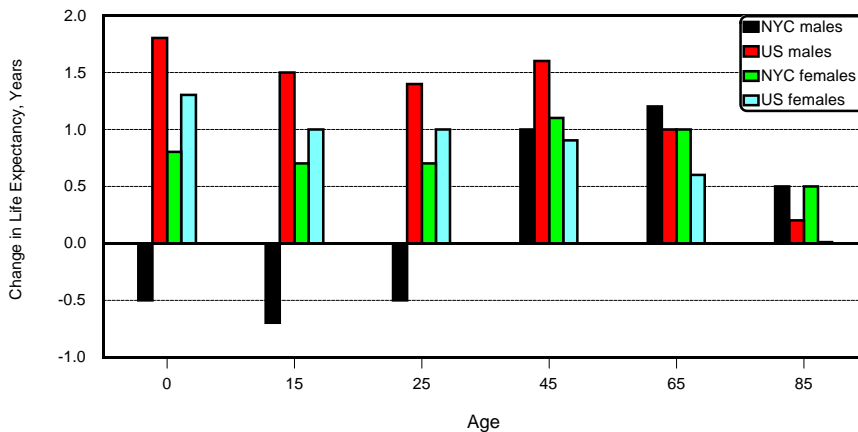
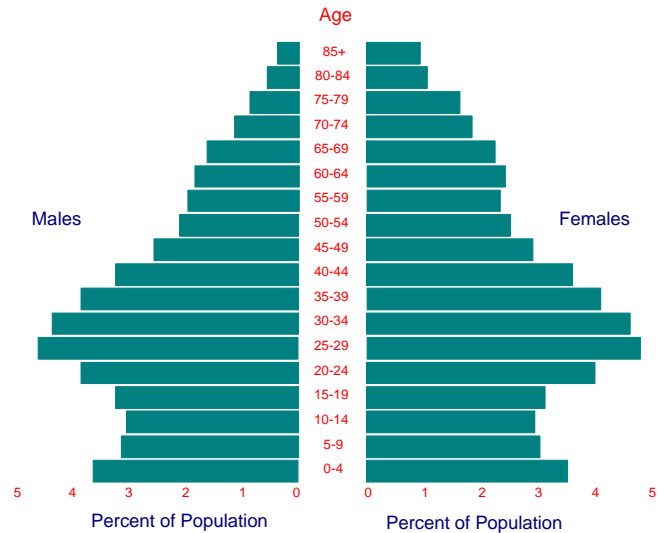


Figure 3. Changes in Life Expectancy at Selected Ages by Sex, 1980 and 1990 New York City and United States

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 increases 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 HIV and related infections.

Table 17.

Deaths and Crude 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	1952-1955
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	4,021
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	24.6
Neonatal deaths (under 28 days).....	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births.....	**	**	37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early neonatal deaths (under 7 days).....	**	**	**	**	**	**	**	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births.....	**	**	**	**	**	**	**	20.5	18.5	17.7	16.4	16.6
Fetal deaths 28 weeks gestation & over.....	**	**	**	**	**	**	**	2,589	2,709	2,902	2,441	2,310
Ratio per 1,000 live births.....	**	**	**	**	**	**	**	25.3	21.4	18.1	15.4	14.1
Perinatal mortality rate (2).....	**	**	**	**	**	**	**	44.7	39.1	35.1	31.3	30.2
Complications of pregnancy, childbirth and the puerperium (630-676).....	694	745	694	664	689	651	608	372	255	178	115	102
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	6.2
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	1,178
Rate.....	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7	27.4	15.0
Other forms of tuberculosis (013-018).....	**	**	**	**	**	**	**	**	**	225	174	97
Rate.....	**	**	**	**	**	**	**	**	**	2.9	2.2	1.2
Human immunodeficiency virus infection (042-044) (3).....	**	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**	**
Measles (055).....	616	925	630	559	405	255	107	31	14	16	10	12
Rate (4).....	144.0	191.8	119.8	100.5	73.2	46.8	21.4	6.5	2.6	2.4	1.4	1.8
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	16,553
Rate.....	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2	196.0	210.6
Trachea, bronchus and lung, male (162).....	**	**	**	**	**	**	**	**	**	828	847	1,021
Rate.....	**	**	**	**	**	**	**	**	**	21.9	22.2	27.0
Trachea, bronchus and lung, female (162).....	**	**	**	**	**	**	**	**	**	220	179	228
Rate.....	**	**	**	**	**	**	**	**	**	5.5	4.4	5.6
Breast, female (174).....	**	**	**	**	**	**	**	**	**	1,429	1,476	1,517
Rate.....	**	**	**	**	**	**	**	**	**	35.9	36.4	37.3
Diabetes mellitus (250).....	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423	1,583	1,644
Rate.....	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0	19.9	20.9
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	37,724
Rate.....	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7	456.3	479.9
Cerebrovascular disease (430-438).....	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099	5,688
Rate.....	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7	64.3	72.4
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	2,664
Rate.....	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8	31.2	33.9
Other respiratory (460-478, 490-519).....	3,224	2,307	1,458	1,407	689	622	594	536	492	424	450	461
Rate.....	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5	5.7	5.9
Chronic liver disease & cirrhosis (571).....	814	1,076	900	500	338	413	584	922	1,052	1,500	1,500	1,440
Rate.....	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5	19.2	18.3
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	556
Rate.....	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1	7.2	7.1
Drug dependence (304).....	**	**	**	**	**	**	**	**	**	**	**	81
Rate.....	**	**	**	**	**	**	**	**	**	**	**	1.0
Accidental drug poisoning (5).....	**	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**	**
Motor vehicle accidents (E810-E825).....	**	**	253	658	929	1,175	1,167	920	728	635	600	634
Rate.....	**	**	5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2	7.6	8.1
Home Accidents.....	**	**	**	**	**	**	**	1,546	1,823	1,941	1,699	1,568
Rate.....	**	**	**	**	**	**	**	21.0	24.0	25.0	21.4	19.9
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	2,450
Rate.....	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9	34.3	31.2
Suicide (E950-E959).....	761	825	686	742	842	1,163	1,369	1,191	907	930	863	649
Rate.....	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0	10.9	8.3
Homicide (E960-E978, E990-E999).....	143	247	293	271	334	405	522	351	265	362	318	340
Rate.....	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7	4.0	4.3
Injury, undetermined whether accidentally or purposely inflicted (E980-E989).....	**	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**	**
Alzheimer's disease (331.0).....	**	**	**	**	**	**	**	**	**	**	**	**
Rate.....	**	**	**	**	**	**	**	**	**	**	**	**
Asthma (392).....	**	**	**	**	**	**	**	**	**	**	**	**
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.

fetal deaths 28 weeks and over + infant deaths under 7 days

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

fetal deaths 28 weeks and over + live births

(3) AIDS was first reported as a cause of death in 1982, and coded 279.1 until 1986. Beginning in 1987, HIV infections are coded 042-044.

See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.

(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, 1901-1997

AVERAGE

1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
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	1,207	1,155	992	881
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	9.0	8.8	7.8	7.1
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	804	811	656	605
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	6.0	6.2	5.2	4.9
2,909	2,922	2,351	1,480	1,131	927	909	977	1,027	1,039	908	896	783	769	660	657	528	459
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	4.9	5.0	4.2	3.6
2,362	2,276	1,885	1,288	835	719	643	741	689	721	696	648	970	692	589	533	580	507
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	4.4	4.1	4.6	4.0
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	9.3	9.0	8.7	8.7
107	109	73	36	28	33	29	28	26	29	35	24	30	20	29	26	22	17
6.4	6.6	5.0	3.1	2.6	2.9	2.4	2.2	2.0	2.1	2.5	1.7	2.2	1.5	2.2	2.0	1.7	1.3
824	624	432	235	141	125	160	154	200	173	182	197	155	135	113	75	46	44
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	1.5	1.0	0.6	0.6
52	43	39	32	22	35	26	65	46	63	74	57	45	31	20	19	21	11
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	0.3	0.3	0.3	0.2
**	**	**	**	**	768 ⁽⁶⁾	2,650	3,192	3,773	4,282	4,616	5,228	5,789	6,120	7,102	7,046	4,998	2,625
12	8	2	1	0	10.7	36.7	44.0	51.9	58.7	63.0	71.4	79.1	83.6	97.0	96.2	68.3	35.8
1.8	1.1	0.2	0.2	-	-	-	-	-	-	(7)	0.1	(7)	-	-	-	(7)	(7)
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	15,298	15,136	14,591	14,194
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	208.9	206.7	199.3	193.8
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	2,120	1,966	1,967	1,859
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	61.7	57.2	57.2	57.2
261	303	474	777	970	1,169	1,289	1,313	1,275	1,318	1,378	1,403	1,420	1,460	1,383	1,462	1,420	1,333
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	35.6	37.6	36.6	36.6
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	1,483	1,561	1,504	1,378
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	38.2	40.2	38.7	35.5
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	1,760	1,713	1,538	1,590
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	24.0	23.4	21.0	21.7
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	31,048	31,656	30,995	29,642
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	424.0	432.3	423.3	404.8
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	2,155	2,100	2,114	2,119
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	29.4	28.7	28.9	28.9
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	2,541	2,591	2,702	2,618
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	34.7	35.4	36.9	35.8
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	1,889	1,900	1,951	1,933
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	25.8	25.9	26.6	26.4
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	903	921	825	720
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	12.3	12.6	11.3	9.8
573	509	447	372	381	383	689	791	931	970	699	450	327	327	238	213	296	378
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	3.3	2.9	4.0	5.2
96	263	551	677	414	573	767	956	1,208	591	413	781	803	1,083	1,033	1,033	909	885
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	14.1	14.1	12.4	12.1
**	**	**	**	**	1	0	0	2	429	282	59	55	62	35	32	36	19
					(7)	-	-	(7)	5.9	3.9	0.8	0.8	0.8	0.5	0.4	0.5	0.3
655	714	887	834	606	477	514	622	618	663	704	631	586	551	500	501	438	499
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	6.8	6.8	6.0	6.8
1,095	951	871	755	525	486	555	485	603	752	552	517	472	525	513	512	479	432
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	7.0	7.0	6.5	5.9
2,091	1,947	1,730	1,239	926	812	791	677	857	1,151	922	364	428	355	398	423	341	369
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	5.4	5.8	4.7	5.0
711	908	680	641	711	603	593	502	557	703	646	649	605	558	605	577	557	545
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	8.3	7.9	7.6	7.4
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	1,607	1,209	1,018	793
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	21.9	16.5	13.9	10.8
**	**	946	1,062	699	696	661	790	727	186	158	144	141	200	176	146	153	159
**	**	10.9	13.9	9.7	9.7	9.2	10.9	10.0	2.5	2.2	2.0	1.9	2.7	2.4	2.0	2.1	2.2
**	**	**	**	**	**	**	**	**	**	**	76	73	78	94	101	77	74
**	**	**	**	**	**	**	**	**	**	**	1.0	1.0	1.1	1.3	1.4	1.1	1.0
**	**	**	**	**	**	**	**	**	**	**	247	273	253	291	282	273	235
**	**	**	**	**	**	**	**	**	**	**	3.4	3.7	3.5	4.0	3.9	3.7	3.2

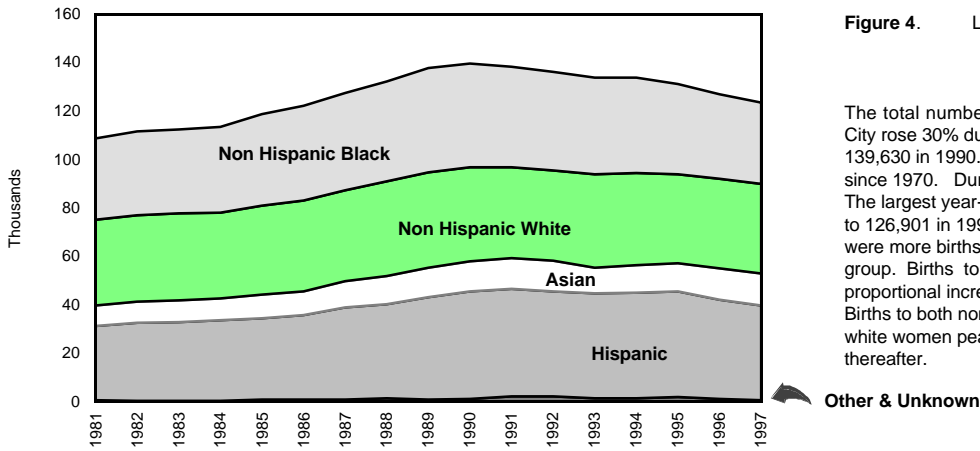


Figure 4. Live Births by Mother's Ethnic Group
New York City, 1981-1997

The total number of live births registered in New York City rose 30% during the 1980's from 107,066 in 1980 to 139,630 in 1990. This was the highest number reached since 1970. During the 1990's, live births declined 12%. The largest year-to-year decline, from 131,009 in 1995 to 126,901 in 1996, was 3.1%. Beginning in 1990, there were more births to Hispanic women than to any other group. Births to Asian mothers showed the largest proportional increase from 1981 to 1997, almost 57%. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989, and declined slightly thereafter.

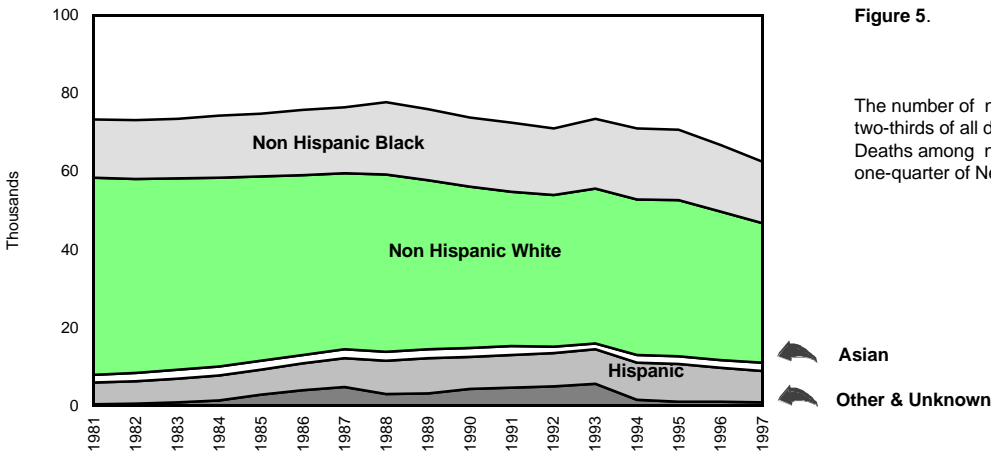


Figure 5. Deaths by Ethnic Group of Decedent
New York City, 1981-1997

The number of non-Hispanic white decedents declined from two-thirds of all decedents to just over half from 1981 to 1997. Deaths among non-Hispanic blacks now constitute about one-quarter of New York City deaths.

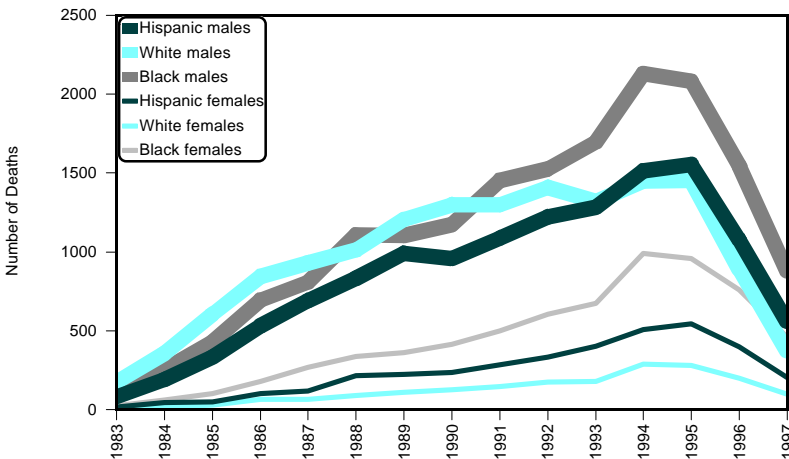


Figure 6. Deaths Due to HIV Infection
by Sex and Selected Ethnic Group
New York City, 1983-1997

The number of deaths due to HIV infection declined 47% from 1996 to 1997. Deaths declined 49% among males and 44% among females. Deaths declined among all ethnic groups as well. The decline is attributed to the introduction of new drugs, protease inhibitors, and to increased access to medical care under the Ryan White Care Act. Depictions of deaths due to AIDS only for 1983-1996 can be found in the Vital Statistics Summaries for 1991-1996. See the Technical Notes for a discussion of HIV infection and AIDS as the cause of death.

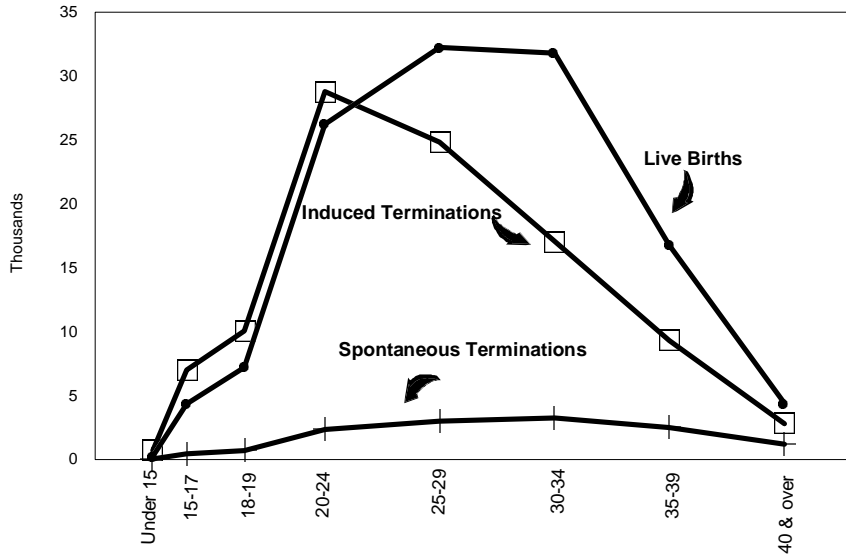


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman New York City, 1997

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 and induced terminations reported depend on active surveillance.) For women age 24 and younger, 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 50% more likely to have a live birth than an induced or spontaneous termination.

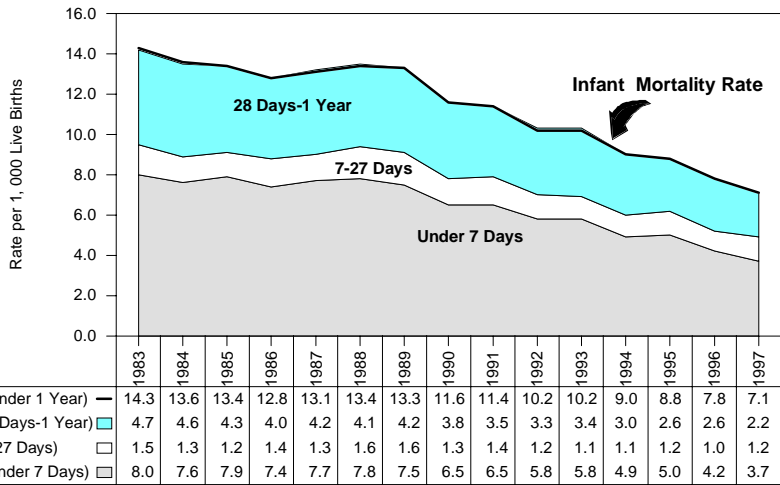


Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates New York City, 1983-1997

The New York City infant mortality rate has declined 50% since 1983. The largest drop, 13%, occurred from 1989 to 1990. About 55% of the 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. Post-neonatal deaths have declined somewhat more than neonatal deaths.

Table 18.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 1997**

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	237,810	922	11,778	17,971	57,426	60,114	52,145	28,588	8,389	477
Live Births	123,313	219	4,354	7,220	26,271	32,256	31,822	16,778	4,389	4
Spontaneous Terminations	13,571	14	415	704	2,351	2,990	3,245	2,498	1,204	150
Induced Terminations	100,926	689	7,009	10,047	28,804	24,868	17,078	9,312	2,796	323
MANHATTAN	35,224	138	1,844	2,498	7,576	8,383	8,309	4,784	1,641	51
Live Births	19,087	42	732	1,014	3,257	4,365	5,497	3,177	1,002	1
Spontaneous Terminations	1,912	-	46	75	244	394	532	389	219	13
Induced Terminations	14,225	96	1,066	1,409	4,075	3,624	2,280	1,218	420	37
BRONX	47,167	246	3,036	4,469	13,189	12,033	8,821	4,225	1,079	69
Live Births	21,352	55	1,189	1,859	5,662	5,612	4,441	2,066	467	1
Spontaneous Terminations	2,678	8	128	191	582	633	588	371	161	16
Induced Terminations	23,137	183	1,719	2,419	6,945	5,788	3,792	1,788	451	52
BROOKLYN	76,407	310	3,815	6,094	19,999	19,481	15,276	8,649	2,603	180
Live Births	39,370	85	1,533	2,606	9,840	10,467	8,726	4,798	1,315	-
Spontaneous Terminations	4,634	4	153	295	901	1,043	990	806	382	60
Induced Terminations	32,403	221	2,129	3,193	9,258	7,971	5,560	3,045	906	120
QUEENS	53,208	131	2,218	3,664	12,565	14,151	12,086	6,484	1,786	123
Live Births	28,310	27	729	1,433	5,972	8,218	7,455	3,624	852	-
Spontaneous Terminations	2,807	2	68	109	471	590	682	578	254	53
Induced Terminations	22,091	102	1,421	2,122	6,122	5,343	3,949	2,282	680	70
RICHMOND	8,934	21	349	494	1,589	2,454	2,544	1,212	264	7
Live Births	5,659	8	124	198	821	1,648	1,912	799	149	-
Spontaneous Terminations	744	-	19	25	97	198	206	140	58	1
Induced Terminations	2,531	13	206	271	671	608	426	273	57	6
NON-RESIDENTS	16,429	73	495	719	2,389	3,514	5,031	3,180	998	30
Live Births	9,528	2	47	110	716	1,946	3,790	2,314	603	-
Spontaneous Terminations	781	-	-	9	55	129	242	213	130	3
Induced Terminations	6,120	71	448	600	1,618	1,439	999	653	265	27
RESIDENCE UNKNOWN	441	3	21	33	119	98	78	54	18	17
Live Births	7	-	-	-	3	-	1	-	1	2
Spontaneous Terminations	15	-	1	-	1	3	5	1	-	4
Induced Terminations	419	3	20	33	115	95	72	53	17	11

Note: Includes only Induced Terminations of Pregnancy in 1997 reported timely. See the Technical Notes for a fuller discussion of Induced Terminations of Pregnancy.

Table 19.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 1997**

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	13,571	14	415	704	2,351	2,990	3,245	2,498	1,204	150	
Under 13	8,469	6	234	399	1,443	1,845	2,000	1,636	828	78	
13-15	1,473	2	64	102	271	314	329	257	116	18	
16-19	1,031	1	29	57	190	236	265	178	68	7	
20-27	974	4	33	67	170	224	254	155	59	8	
28 & Over	509	-	19	23	91	128	127	87	30	4	
Not Stated	1,115	1	36	56	186	243	270	185	103	35	

**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, 1997**

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	224,746	88,826	28,956	48,694	51,713	6,557
Live Births	123,313	40,309	18,513	32,954	25,386	6,151
Spontaneous Terminations	507	131	81	198	80	17
Induced Terminations	100,926	48,386	10,362	15,542	26,247	389
MANHATTAN	33,378	31,387	1,037	338	608	8
Live Births	19,087	18,292	523	137	129	6
Spontaneous Terminations	66	64	2	-	-	-
Induced Terminations	14,225	13,031	512	201	479	2
BRONX	44,584	17,403	25,960	427	780	14
Live Births	21,352	4,241	16,811	142	146	12
Spontaneous Terminations	95	15	77	-	1	2
Induced Terminations	23,137	13,147	9,072	285	633	-
BROOKLYN	71,985	20,267	321	43,922	6,775	700
Live Births	39,370	7,079	123	30,291	1,198	679
Spontaneous Terminations	212	21	-	189	2	-
Induced Terminations	32,403	13,167	198	13,442	5,575	21
QUEENS	50,489	9,163	281	2,374	38,612	59
Live Births	28,310	5,238	176	1,558	21,282	56
Spontaneous Terminations	88	12	-	7	69	-
Induced Terminations	22,091	3,913	105	809	17,261	3
RICHMOND	8,207	1,818	21	829	117	5,422
Live Births	5,659	195	7	372	33	5,052
Spontaneous Terminations	17	1	-	1	-	15
Induced Terminations	2,531	1,622	14	456	84	355
NON-RESIDENTS	15,677	8,586	1,285	760	4,693	353
Live Births	9,528	5,262	872	451	2,597	346
Spontaneous Terminations	29	18	2	1	8	-
Induced Terminations	6,120	3,306	411	308	2,088	7
RESIDENCE UNKNOWN	426	202	51	44	128	1
Live Births	7	2	1	3	1	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	419	200	50	41	127	1

Note: Includes only Induced Terminations of Pregnancy in 1997 reported timely. See the Technical Notes for a fuller discussion of Induced Terminations of Pregnancy.

**Table 21. Live Births by Ancestry of Mother and Borough of Residence
New York City, 1997**

Ancestry of Mother	Total	Borough of Residence						Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond			
Total	123,313	19,087	21,352	39,370	28,310	5,659	9,528	7	
Puerto Rican	12,947	1,497	5,568	3,622	1,539	364	357	-	
Dominican	10,994	3,595	3,710	1,802	1,718	30	139	-	
Colombian	1,524	85	62	129	1,169	23	56	-	
Ecuadorian	2,780	249	296	591	1,576	15	53	-	
Mexican	4,979	692	801	1,654	1,594	198	39	1	
Cuban	363	74	68	60	102	14	45	-	
Other Hispanic	5,468	696	1,141	1,334	1,970	143	184	-	
African-American	20,165	2,737	4,927	8,103	3,330	563	504	1	
American	8,883	1,458	299	3,987	1,091	811	1,237	-	
Guyanese	2,569	28	292	936	1,237	12	64	-	
Haitian	2,279	84	39	1,470	577	13	96	-	
Jamaican	3,440	102	781	1,556	861	21	119	-	
Trinidadian	1,442	38	83	830	442	22	27	-	
Other North, Central and South American	2,408	208	409	1,307	359	33	92	-	
English	699	311	20	116	60	30	162	-	
German	1,799	510	75	239	320	177	478	-	
Irish	3,621	587	226	533	750	507	1,018	-	
Italian	6,173	526	396	1,317	987	1,609	1,338	-	
Polish	1,383	207	22	561	307	70	216	-	
Russian	2,165	445	43	852	419	43	363	-	
Other European	4,526	1,024	327	1,262	970	246	697	-	
Asian Indian	1,805	104	108	227	1,134	70	162	-	
Bangladeshi	1,154	68	129	200	742	5	10	-	
Chinese	4,791	1,330	99	1,709	1,358	63	232	-	
Filipino	1,031	137	91	136	482	54	131	-	
Korean	941	111	27	55	623	23	102	-	
Pakistani	1,052	44	60	410	464	34	40	-	
Other Asian	3,683	573	173	1,450	1,004	127	356	-	
Jewish or Hebrew	3,171	352	87	1,595	314	102	721	-	
Other and Not Stated	5,078	1,215	993	1,327	811	237	490	5	

Note: See the Technical Notes for a discussion of race, ancestry and ethnicity.

**Figure 9. Marriages, Births and Deaths and Average Number per Day by Month
New York City, 1997**

MONTHS	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS	MARRIAGES	BIRTHS	DEATHS
January	6,579	10,451	6,162	212	337	199
February	8,370	9,402	5,058	299	336	181
March	9,115	10,397	5,486	294	335	177
April	6,013	9,909	5,126	200	330	171
May	5,589	10,600	5,184	180	342	167
June	6,068	10,096	5,001	202	337	167
July	6,755	10,603	5,008	218	342	162
August	7,988	10,387	4,722	258	335	152
September	7,995	10,512	4,854	267	350	162
October	6,248	10,510	5,074	202	339	164
November	3,754	10,062	5,090	125	335	170
December	5,553	10,384	5,741	179	335	185
Total	80,027	123,313	62,506	219	338	171

**Figure 10a. Most Popular Baby Names by Sex
New York City, Selected Years**

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1992	1993	1994	1995	1996	1997
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Stephanie	Stephanie	Jessica	Jessica	Jessica	Samantha
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Jessica	Jessica	Stephanie	Amanda	Samantha	Jessica
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Amanda	Amanda	Samantha	Samantha	Stephanie	Nicole
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Samantha	Samantha	Amanda	Stephanie	Nicole	Amanda
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Nicole	Nicole	Jennifer	Amanda	Sarah
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Jennifer	Jennifer	Nicole	Jennifer	Stephanie
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Michelle	Michelle	Michelle	Sarah	Sarah	Jennifer
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Melissa	Melissa	Tiffany	Michelle	Michelle	Emily
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Christina	Christina	Danielle	Emily	Emily	Brianna

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1992	1993	1994	1995	1996	1997
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Jonathan	Kevin	Kevin	Kevin	Anthony	Joseph
4	George	James	Michael	Joseph	David	Anthony	Anthony	Jonathan	Anthony	Daniel	Kevin	Matthew
5	Joseph	Richard	William	Christopher	Anthony	David	Joseph	Anthony	Jonathan	Jonathan	Daniel	Justin
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Daniel	Daniel	Daniel	Joseph	Joseph	Daniel
7	James	Robert	Joseph	John	Jonathan	Joseph	David	Joseph	Joseph	Anthony	Matthew	Anthony*
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Kevin	David	Matthew	Matthew	Justin	Brandon*
9	Francis	George	Stephen	Robert	John	John	Matthew	Matthew	David	David	Jonathan	David
10	Samuel	Louis	David	James	Robert	Andrew	John	John	Brandon	Justin	David	Jonathan

* Tied Ranks

**Figure 10b. Most Popular Baby Names by Sex and Mother's Ethnicity
New York City, 1997**

Rank	GIRLS				BOYS			
	HISPANIC	BLACK	WHITE	ASIAN	HISPANIC	BLACK	WHITE	ASIAN
1	Ashley	Ashley	Sarah	Michelle	Christopher	Christopher	Michael	Kevin
2	Jennifer	Brianna	Nicole	Jessica	Jonathan	Brandon	Joseph	David
3	Stephanie	Imani	Samantha	Amy	Michael	Michael	Nicholas	Justin
4	Samantha	Kayla	Rachel	Emily	Brandon	Justin	Matthew	Jason
5	Amanda	Destiny	Emily	Ashley	Jose	Joshua	Daniel	Michael
6	Kimberly	Jasmine	Jessica	Tiffany	Kevin	Isaiah	John	Andy
7	Jessica	Brittany	Amanda	Sarah	Anthony	Malik	Christopher	Eric
8	Nicole	Briana	Julia	Cindy	Justin	Anthony	David	Andrew*
9	Maria	Christina	Alexandra	Jennifer	Luis	Elijah	Andrew	Brian*
10	Destiny	Alexis	Rebecca	Amanda*	Christian	Jordan	Anthony	Matthew

* Tied ranks.

Note: Persons of Hispanic ethnicity may be of any race.

Mothers of other and unknown ethnicities not shown. See the Technical Notes for a discussion of race, ancestry and ethnicity.

**Table 22. Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Age of Mother
New York City, 1997**

	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	123,313	219	4,354	7,220	26,271	32,256	31,822	16,778	4,389	4
Sex										
Male	63,078	108	2,233	3,735	13,418	16,410	16,400	8,562	2,210	2
Female	60,235	111	2,121	3,485	12,853	15,846	15,422	8,216	2,179	2
Birth Order This Child (Live Births Only)										
First	53,750	214	3,890	5,507	14,152	13,260	10,809	4,638	1,276	4
Second	37,584	5	421	1,435	8,109	10,442	10,710	5,292	1,170	-
Third	17,838	-	39	239	2,896	4,932	5,633	3,335	764	-
Fourth	7,414	-	4	38	819	2,161	2,339	1,621	432	-
Fifth	3,189	-	-	1	208	878	1,098	762	242	-
Sixth or higher	3,538	-	-	-	87	583	1,233	1,130	505	-
Weight at Delivery in Grams										
Under 500	152	-	2	10	36	40	41	15	8	-
500-999	882	4	30	51	142	247	220	153	35	-
1000-1499	1,154	8	54	66	213	257	312	181	63	-
1500-1999	2,127	7	104	125	394	488	520	361	128	-
2000-2499	6,601	13	340	455	1,370	1,523	1,589	1,016	294	1
2500-2999	23,236	56	1,026	1,712	5,339	5,789	5,607	2,904	803	-
3000-3499	47,442	87	1,831	2,980	10,684	12,519	11,760	6,040	1,540	1
3500-3999	31,771	40	812	1,491	6,409	8,747	8,692	4,472	1,108	-
4000-4499	8,442	4	140	286	1,460	2,280	2,580	1,363	329	-
4500-4999	1,368	-	15	39	208	340	450	245	71	-
5000 & over	130	-	-	4	15	23	50	28	10	-
Not stated	8	-	-	1	1	3	1	-	-	2
Plurality										
Single	119,192	219	4,294	7,098	25,662	31,275	30,629	15,917	4,094	4
Twin	3,833	-	60	122	588	929	1,088	784	262	-
Triplet	272	-	-	-	21	48	93	77	33	-
Quadruplet	16	-	-	-	-	4	12	-	-	-
Quintuplet	0	-	-	-	-	-	-	-	-	-
Apgar Score at 5 Minutes										
6 or less	5,752	13	243	359	1,185	1,446	1,409	840	257	-
7	5,444	18	253	357	1,053	1,379	1,388	766	229	1
8	19,092	37	743	1,167	4,053	4,949	4,801	2,596	746	-
9	92,324	150	3,086	5,286	19,825	24,295	24,063	12,481	3,137	1
10	372	-	19	24	82	103	91	47	6	-
Not stated	329	1	10	27	73	84	70	48	14	2
Place of Birth										
Home	644	3	27	32	120	171	149	100	42	-
Hospital										
Voluntary, Private Service	56,568	22	579	1,059	7,152	14,911	19,140	10,769	2,936	-
Voluntary, General Service	40,905	117	2,419	3,894	11,926	10,607	7,598	3,540	803	1
Municipal	24,574	76	1,301	2,187	6,935	6,394	4,792	2,300	588	1
Maternity Center	389	-	22	32	94	107	90	33	11	-
Other	233	1	6	16	44	66	53	36	9	2
Attendant										
Physician	107,853	159	3,413	5,732	21,656	28,254	29,100	15,447	4,090	2
Certified Nurse Midwife	15,070	58	929	1,451	4,519	3,892	2,646	1,287	288	-
Other	390	2	12	37	96	110	76	44	11	2
Financial Coverage										
Self	5,311	18	205	354	1,250	1,390	1,253	650	191	-
Medicaid	62,094	178	3,482	5,796	18,289	16,093	11,524	5,391	1,339	2
Third Party	36,201	15	312	530	3,686	9,494	12,890	7,269	2,005	-
HMO	17,285	6	276	417	2,516	4,613	5,574	3,130	753	-
Not stated	2,422	2	79	123	530	666	581	338	101	2
First Visit for Prenatal Care										
Early (1-6 months)	93,576	115	2,846	4,971	19,263	24,952	25,069	13,075	3,284	1
Late (7-9 months)	6,447	48	447	634	1,685	1,599	1,275	593	166	-
No Care	1,846	2	119	162	440	470	407	200	46	-
Not stated	21,444	54	942	1,453	4,883	5,235	5,071	2,910	893	3
Marital Status of Mother										
Married	70,031	5	267	1,226	10,410	19,767	22,850	12,301	3,201	4
Not Married	53,282	214	4,087	5,994	15,861	12,489	8,972	4,477	1,188	-
Years of Education										
None	272	-	5	11	75	79	53	33	16	-
1-8	8,173	130	501	585	2,156	2,170	1,618	760	252	1
9-12	62,863	85	3,740	5,858	16,723	15,940	12,755	6,224	1,537	1
13 & over	50,035	-	5	654	6,826	13,563	16,955	9,512	2,520	-
Not stated	1,970	4	103	112	491	504	441	249	64	2
Birthplace of Mother										
United States other than Puerto Rico	60,122	169	2,921	4,251	12,965	14,477	14,864	8,237	2,238	-
Puerto Rico	3,287	10	212	289	860	750	704	353	109	-
Foreign	58,750	39	1,181	2,616	12,165	16,734	15,977	8,028	2,008	2
Not stated	1,154	1	40	64	281	295	277	160	34	2
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	507	-	19	23	91	127	127	86	30	4
Sex										
Male	229	-	7	14	42	57	61	35	10	3
Female	198	-	10	7	35	54	48	31	12	1
Undetermined	80	-	2	2	14	16	18	20	8	-
Weight at Delivery in Grams										
Under 500	25	-	3	-	2	7	9	3	1	-
500-999	55	-	2	2	9	16	13	9	4	-
1000-1499	49	-	2	2	6	11	16	7	3	2
1500-1999	59	-	4	5	9	11	17	7	6	-
2000-2499	67	-	-	6	14	18	15	12	2	-
2500 & over	149	-	5	3	30	41	35	27	6	2
Not stated	103	-	3	5	21	23	22	21	8	-

Note: See Special Note on Mother's Marital Status.

**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, 1997**

	Total	Ethnic Group of Mother						Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	
Total Live Births	123,313	12,947	26,108	13,226	37,006	33,500	207	319
Sex								
Male	63,078	6,540	13,222	6,944	18,996	17,120	105	151
Female	60,235	6,407	12,886	6,282	18,010	16,380	102	168
Birth Order This Child (Live Births Only)								
First	53,750	5,251	10,968	6,475	17,010	13,780	95	171
Second	37,584	3,756	8,247	4,592	11,307	9,536	73	73
Third	17,838	2,064	4,407	1,600	4,691	5,021	20	35
Fourth	7,414	1,011	1,587	378	1,780	2,629	10	19
Fifth	3,189	458	536	116	829	1,236	6	8
Sixth or Higher	3,538	407	363	65	1,389	1,298	3	13
Weight at Delivery in Grams								
Under 500	152	11	22	11	28	77	-	3
500-999	882	106	145	57	133	434	-	7
1000-1499	1,154	137	153	83	269	507	-	5
1500-1999	2,127	238	324	188	520	837	7	13
2000-2499	6,601	855	1,084	629	1,692	2,297	16	28
2500-2999	23,236	2,706	4,412	2,894	5,941	7,182	48	53
3000-3499	47,442	4,929	10,433	5,536	13,963	12,408	68	105
3500-3999	31,771	3,086	7,331	3,095	10,691	7,438	53	77
4000-4499	8,442	750	1,857	634	3,228	1,935	13	25
4500-4999	1,368	116	321	91	503	334	2	1
5000 & over	130	13	26	8	34	49	-	-
Not stated	8	-	-	-	4	2	-	2
Plurality								
Single	119,192	12,633	25,537	12,947	35,175	32,389	207	304
Twin	3,833	295	543	258	1,073	1,073	-	15
Triplet	272	15	24	21	174	38	-	-
Quadruplet	16	4	4	-	8	-	-	-
Quintuplet	0	-	-	-	-	-	-	-
Apgar Score at 5 Minutes								
6 or less	5,752	678	1,188	390	1,179	2,279	9	29
7	5,444	640	1,191	451	1,317	1,813	13	19
8	19,092	2,209	4,496	1,517	5,151	5,633	26	60
9	92,324	9,327	19,097	10,814	29,233	23,491	159	203
10	372	66	84	38	97	86	-	1
Not stated	329	27	52	16	29	198	-	7
Place of Birth								
Home	644	54	85	32	140	314	-	19
Hospital								
Voluntary, Private Service	56,568	3,907	4,685	6,017	30,234	11,498	105	122
Voluntary, General Service	40,905	5,315	12,187	4,467	5,101	13,625	81	129
Municipal	24,574	3,577	9,050	2,628	1,395	7,861	21	42
Maternity Center	389	82	74	16	105	109	-	3
Other	233	12	27	66	31	93	-	4
Attendant								
Physician	107,853	10,234	21,661	12,307	34,166	29,028	193	264
Certified Nurse Midwife	15,070	2,688	4,365	885	2,789	4,281	14	48
Other	390	25	82	34	51	191	-	7
Financial Coverage								
Self	5,311	386	1,173	756	1,473	1,482	12	29
Medicaid	62,094	8,494	20,040	6,327	7,441	19,538	101	153
Third Party	36,201	2,596	3,085	3,675	19,814	6,914	53	64
HMO	17,285	1,395	1,580	1,938	8,017	4,270	40	45
Not stated	2,422	76	230	530	261	1,296	1	28
First Visit for Prenatal Care								
Early (1-6 months)	93,576	9,916	19,181	10,568	29,318	24,239	158	196
Late (7-9 months)	6,447	677	1,739	729	1,026	2,243	13	20
No Care	1,846	281	260	240	253	805	3	4
Not stated	21,444	2,073	4,928	1,689	6,409	6,213	33	99
Marital Status of Mother								
Married	70,031	4,085	11,149	11,254	32,297	10,993	145	108
Not Married	53,282	8,862	14,959	1,972	4,709	22,507	62	211
Years of Education								
None	272	5	89	41	38	97	1	1
1-8	8,173	715	4,723	1,178	541	990	20	6
9-12	62,863	8,512	14,318	5,979	14,501	19,286	116	151
13 & over	50,035	3,604	6,431	5,606	21,659	12,609	69	57
Not stated	1,970	111	547	422	267	518	1	104
Birthplace of Mother								
United States other than Puerto Rico	60,122	9,669	3,398	481	27,297	19,089	47	141
Puerto Rico	3,287	3,148	109	2	20	5	1	2
Foreign	58,750	92	22,524	12,663	9,371	13,885	157	58
Not stated	1,154	38	77	80	318	521	2	118
Spontaneous Terminations of Pregnancy, 28 weeks & Over								
Total	507	46	98	23	109	221	1	9
Sex								
Male	229	20	42	11	50	102	1	3
Female	198	17	41	9	43	87	-	1
Undetermined	80	9	15	3	16	32	-	5
Weight at Delivery in Grams								
Under 500	25	2	5	2	5	11	-	-
500-999	55	7	7	3	11	27	-	-
1000-1499	49	4	8	1	6	30	-	-
1500-1999	59	4	21	3	10	21	-	-
2000-2499	67	6	7	5	15	33	-	1
2500 & over	149	8	32	4	38	65	1	1
Not stated	103	15	18	5	24	34	-	7

Note: See Special Note on Mother's Marital Status.

Table 24.

Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1997

Health Center District	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Puerto Rican	Other Hispanic	Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**	
NEW YORK CITY	123,313	16.8	10.5	21.2	47.6	43.6	8.9	6.7	43.2	50.4	881	7.1	605	4.9	
MANHATTAN	19,087	12.8	7.8	28.2	44.9	51.0	8.4	6.1	41.7	50.5	94	4.9	66	3.5	
Central Harlem	1,977	17.1	6.2	12.9	28.2	38.2	13.5	11.5	73.8	75.1	13	6.6	7	3.5	
East Harlem	2,058	16.2	21.1	29.9	32.9	43.1	9.6	9.4	61.3	64.6	15	7.3	10	4.9	
Kips Bay-Yorkville	2,656	11.3	1.7	5.6	34.2	64.5	7.0	2.3	7.2	6.0	7	2.6	5	1.9	
Lower East Side	2,670	11.1	13.1	10.6	53.4	50.9	6.6	3.9	30.1	55.5	7	2.6	5	1.9	
Lower West Side	2,641	9.0	4.3	9.1	37.9	61.5	7.8	4.3	19.9	21.9	10	3.8	6	2.3	
Riverside	2,357	11.3	6.8	17.6	30.4	57.7	8.7	4.6	31.6	32.1	4	1.7	4	1.7	
Washington Heights	4,711	17.7	5.8	72.6	69.3	42.9	7.7	7.5	62.6	81.6	38	8.1	29	6.2	
BRONX	21,352	17.7	26.1	28.5	43.3	39.6	10.0	8.2	64.9	69.7	169	7.9	110	5.2	
Fordham-Riverdale	4,083	16.6	23.4	35.2	50.2	40.3	8.8	6.6	55.7	68.3	31	7.6	23	5.6	
Morrisania	3,314	22.9	26.3	31.1	41.8	37.2	10.7	9.1	74.2	77.9	26	7.8	14	4.2	
Mott Haven	2,313	17.8	36.6	31.0	31.2	36.3	10.2	9.9	75.0	81.0	20	8.6	11	4.8	
Pelham Bay	2,890	13.2	15.7	11.3	50.3	43.4	10.2	8.5	57.8	56.4	30	10.4	24	8.3	
Tremont	4,610	24.2	24.8	38.1	47.7	37.2	9.4	6.5	73.3	77.1	31	6.7	22	4.8	
Westchester	4,119	15.0	31.4	19.5	34.5	42.6	10.9	9.7	56.3	58.8	31	7.5	16	3.9	
BROOKLYN	39,370	17.1	9.2	14.1	47.6	41.7	9.1	8.2	45.5	52.7	338	8.6	230	5.8	
Bay Ridge	3,763	15.8	5.8	11.8	56.4	45.2	6.0	5.8	19.6	40.0	18	4.8	7	1.9	
Bedford	3,929	16.9	4.2	5.2	39.8	38.5	12.2	8.0	66.9	58.7	45	11.5	32	8.1	
Brownsville	5,014	18.0	10.1	8.6	43.6	39.8	11.7	8.6	65.2	57.4	62	12.4	39	7.8	
Bushwick	3,737	20.5	24.2	34.6	45.6	37.5	9.6	8.0	68.0	75.0	37	9.9	22	5.9	
Flatbush	8,445	16.8	2.8	8.6	58.1	41.9	9.5	8.9	41.7	44.9	85	10.1	64	7.6	
Fort Greene	2,332	15.5	12.3	11.0	31.0	43.1	9.9	6.7	62.2	55.4	26	11.1	17	7.3	
Gravesend	3,602	12.7	6.0	8.5	53.8	50.9	7.7	17.9	27.2	44.1	25	6.9	18	5.0	
Red Hook-Gowanus	1,516	14.3	17.4	13.8	28.1	51.3	9.0	3.8	38.9	39.0	12	7.9	10	6.6	
Sunset Park	4,017	23.6	10.2	24.9	51.3	38.8	6.9	4.1	29.3	54.2	12	3.0	8	2.0	
Williamsburg-Greenpoint	2,992	19.2	13.6	23.3	37.5	36.3	6.7	6.5	33.1	59.7	16	5.3	13	4.3	
QUEENS	28,310	14.5	5.4	28.7	65.7	44.9	8.0	6.3	40.1	52.8	162	5.7	115	4.1	
Astoria-Long Island City	3,855	16.3	4.7	35.9	73.0	49.3	7.3	6.3	38.3	57.1	18	4.7	13	3.4	
Corona	5,839	20.1	2.8	58.5	83.5	45.9	6.7	8.4	49.8	64.8	26	4.5	21	3.6	
Flushing	4,676	10.2	2.7	17.0	65.9	44.2	6.4	4.3	21.1	35.1	27	5.8	18	3.8	
Jamaica East	4,733	14.0	3.0	10.6	54.8	42.0	10.7	6.0	52.8	55.9	41	8.7	25	5.3	
Jamaica West	5,762	16.0	9.3	22.2	56.9	42.9	9.7	7.3	44.0	56.2	38	6.6	30	5.2	
Maspath-Forest Hills	3,406	12.6	11.3	21.9	56.8	46.4	6.6	4.4	27.1	41.7	12	3.5	8	2.3	
RICHMOND	5,659	14.9	6.4	7.5	22.0	44.2	8.4	3.5	25.3	22.2	33	5.8	24	4.2	
NON-RESIDENTS	9,528	-	3.7	5.4	24.5	41.4	9.0	1.7	8.3	6.6	84	8.8	59	6.2	
RESIDENCE UNKNOWN	7	-	-	-	-	-	-	-	-	-	1	-	1	-	

*Rate per 1,000 population.

**Rate per 1,000 live births.

Note: See Special Note on Mother's Marital Status.

Table 25.

Live Births by Selected Characteristics and Mother's Ancestry
New York City, 1997

Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics							
		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Teenage Mother	
Total	123,313	47.6	43.6	8.9	6.7	43.2	50.4	9.6	
Puerto Rican	12,947	0.7	40.6	10.4	7.4	68.4	65.6	20.3	
Dominican	10,994	87.2	41.2	6.9	7.3	59.6	81.1	12.8	
Colombian	1,524	90.0	45.0	5.6	5.5	47.6	59.7	7.3	
Ecuadorian	2,780	91.6	39.9	4.9	7.4	43.2	75.6	8.1	
Mexican	4,979	96.7	42.7	5.8	10.9	69.2	89.0	16.2	
Cuban	363	42.4	47.9	9.6	3.6	36.6	33.9	8.0	
Other Hispanic	5,468	74.0	42.8	7.7	6.5	53.2	65.0	11.6	
African-American	20,165	9.1	41.4	13.3	9.3	75.2	58.0	17.8	
American	8,883	2.2	43.9	8.0	3.1	19.8	24.5	5.2	
Guyanese	2,569	98.2	42.7	12.6	6.8	39.5	51.8	7.9	
Haitian	2,279	93.0	42.0	11.4	8.1	41.8	56.3	4.6	
Jamaican	3,440	96.3	39.2	10.2	7.6	64.8	56.6	8.9	
Trinidadian	1,442	96.9	42.2	11.2	8.6	53.4	56.6	8.5	
Other North, Central and South American	2,408	90.0	45.7	9.6	8.7	52.4	53.5	6.9	
English	699	22.6	54.6	6.4	2.0	8.9	6.3	0.9	
German	1,799	9.9	52.4	7.1	1.8	13.7	9.8	2.1	
Irish	3,621	10.8	49.5	6.5	1.9	12.1	9.6	1.4	
Italian	6,173	7.9	47.3	7.2	2.2	13.3	9.7	2.6	
Polish	1,383	51.2	51.7	6.2	5.1	12.4	32.5	2.7	
Russian	2,165	56.6	50.3	7.9	5.6	15.6	24.5	1.8	
Other European	4,526	50.5	48.1	7.0	5.2	10.7	22.9	2.3	
Asian Indian	1,805	96.5	46.4	9.9	7.0	11.6	40.5	1.4	
Bangladeshi	1,154	99.1	47.7	10.2	12.0	24.3	76.0	3.9	
Chinese	4,791	94.8	50.2	4.8	3.9	11.6	51.3	1.0	
Filipino	1,031	95.2	51.0	7.2	4.8	16.4	18.7	1.7	
Korean	941	95.0	50.3	3.4	6.8	12.4	34.8	0.5	
Pakistani	1,052	97.8	42.2	10.6	23.7	9.8	67.8	2.7	
Other Asian	3,683	89.9	43.5	6.3	6.5	11.3	41.9	4.5	
Jewish or Hebrew	3,171	33.5	66.1	12.9	5.4	11.9	57.6	2.4	
Other & Not Stated	5,078	58.4	41.8	9.9	8.2	34.8	48.5	3.7	

Note: See Technical Notes for a discussion of race, ancestry and ethnicity.

See Special Note on Mother's Marital Status.

Table 26.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1997**

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)	
			Mothers Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate*	Number	Rate*
			Puerto Rican	Other Hispanic										
NEW YORK CITY	11,793	9.6	22.2	27.2	32.5	81.5	10.8	12.0	87.3	80.2	112	9.5	62	5.3
MANHATTAN	1,788	9.4	18.3	42.2	32.9	80.5	10.0	10.6	91.3	89.5	16	8.9	11	6.2
Central Harlem	325	16.4	8.0	12.0	16.3	78.2	12.3	12.6	92.9	88.3	6	18.5	3	9.2
East Harlem	302	14.7	29.8	37.1	25.8	80.5	10.6	14.2	92.7	88.4	2	6.6	1	3.3
Kips Bay-Yorkville	56	2.1	23.2	10.7	19.6	89.3	10.7	12.5	96.4	85.7	-	-	-	-
Lower East Side	191	7.2	45.0	23.6	19.9	82.7	4.7	9.4	88.0	88.0	2	10.5	2	10.5
Lower West Side	111	4.2	19.8	18.9	19.8	79.3	9.9	10.8	92.8	82.9	1	9.0	1	9.0
Riverside	180	7.6	20.6	41.1	31.7	81.7	11.7	10.0	95.0	86.7	-	-	-	-
Washington Heights	619	13.1	8.6	73.3	53.0	80.1	9.7	7.9	89.0	93.5	5	8.1	4	6.5
BRONX	3,103	14.5	38.3	25.6	26.1	79.2	11.1	11.2	90.7	84.0	32	10.3	12	3.9
Fordham-Riverdale	495	12.1	35.4	35.8	34.5	77.0	10.7	8.3	88.3	85.1	5	10.1	3	6.1
Morrisania	564	17.0	37.4	23.8	23.8	80.1	11.0	8.2	91.5	84.4	7	12.4	4	7.1
Mott Haven	463	20.0	50.3	25.7	17.7	76.0	11.2	13.2	91.6	89.0	5	10.8	1	2.2
Pelham Bay	312	10.8	18.9	10.3	34.0	84.6	9.6	17.9	93.3	80.4	2	6.4	1	3.2
Tremont	782	17.0	36.4	32.4	29.2	77.0	11.0	8.4	91.7	83.0	7	9.0	2	2.6
Westchester	485	11.8	46.6	16.3	18.4	83.7	12.4	15.9	88.0	81.2	6	12.4	1	2.1
BROOKLYN	4,224	10.7	19.2	18.2	31.1	81.7	11.2	13.6	86.1	76.5	43	10.2	28	6.6
Bay Ridge	175	4.7	14.9	24.0	46.9	81.1	8.0	11.4	64.0	68.6	1	5.7	-	-
Bedford	563	14.3	6.2	3.9	22.0	80.8	13.3	13.0	95.6	72.8	8	14.2	7	12.4
Brownsville	800	16.0	16.1	6.6	20.6	80.0	11.1	12.6	91.4	73.4	7	8.8	3	3.8
Bushwick	621	16.6	34.9	28.5	27.4	77.9	10.8	9.8	91.5	85.5	5	8.1	2	3.2
Flatbush	657	7.8	5.2	16.6	51.3	88.0	11.6	13.7	85.8	67.6	9	13.7	6	9.1
Fort Greene	340	14.6	19.7	13.5	17.4	79.7	9.7	12.4	95.3	77.6	6	17.6	5	14.7
Gravesend	264	7.3	15.2	15.2	34.5	87.5	11.4	40.9	70.1	79.2	6	22.7	4	15.2
Red Hook-Gowanus	170	11.2	34.7	25.3	26.5	82.9	11.2	10.0	85.3	82.9	1	5.9	1	5.9
Sunset Park	340	8.5	27.4	40.3	44.4	77.9	9.7	9.4	72.1	80.6	-	-	-	-
Williamsburg-Greenpoint	292	9.8	37.0	34.6	30.8	82.5	12.7	9.9	76.7	85.3	-	-	-	-
QUEENS	2,189	7.7	10.5	36.9	46.6	84.2	10.4	11.8	83.1	80.1	17	7.8	10	4.6
Astoria-Long Island City	261	6.8	6.5	49.4	57.9	84.7	10.7	11.5	82.4	78.2	1	3.8	1	3.8
Corona	476	8.2	4.6	76.7	68.9	85.1	9.2	10.9	80.7	81.5	2	4.2	-	-
Flushing	171	3.7	8.2	40.4	53.8	87.1	9.9	11.1	77.2	70.8	2	11.7	1	5.8
Jamaica East	498	10.5	4.4	8.0	28.3	84.3	11.4	11.0	90.6	79.5	7	14.1	4	8.0
Jamaica West	591	10.3	15.4	24.2	39.3	84.1	11.7	14.6	83.2	83.2	4	6.8	4	6.8
Maspeth-Forest Hills	189	5.5	33.3	32.3	39.7	79.4	6.9	7.9	74.6	79.4	1	5.3	-	-
RICHMOND	330	5.8	13.9	19.4	19.7	84.8	9.1	8.2	85.8	58.5	4	12.1	1	3.0
NON-RESIDENTS	159	1.7	13.8	13.8	22.6	87.4	10.1	9.4	69.2	45.9	-	-	-	-
RESIDENCE UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Rate per 1,000 live births to teenagers.
Note: See Special Note on Mother's Marital Status.

Table 27.

Live Births to Teenagers by Selected Characteristics, New York City, 1984-1997

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Total Live Births	113,332	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313
Percent to Teenagers	11.8	11.2	10.8	10.3	10.4	10.3	10.1	10.1	10.1	10.4	10.6	10.5	10.3	9.6
Births to Teenagers	13,339	13,304	13,168	13,166	13,714	14,121	14,131	13,999	13,795	13,848	14,156	13,713	13,020	11,793
Percent of Births with Specified Characteristics:														
Puerto Rican	29.4	28.6	29.4	29.1	28.6	27.4	27.5	27.0	25.9	25.6	23.4	22.2	22.3	22.2
Other Hispanic	9.5	10.3	10.8	12.9	12.6	15.3	17.2	19.1	20.8	21.6	23.8	28.2	27.2	27.2
Foreign Born Mother	16.5	16.8	17.8	18.6	19.6	21.2	24.6	26.0	26.9	27.9	28.6	30.8	31.3	32.5
First Live Birth	80.2	80.1	79.8	80.3	79.5	79.8	78.7	77.4	78.2	77.9	77.5	78.2	80.2	81.5
Under 2,500 Grams	11.3	11.2	11.7	11.4	11.7	11.4	10.9	11.5	10.4	11.1	10.7	10.6	9.7	10.8
Prenatal Care in First														
6 Months of Pregnancy	59.7	59.7	56.2	58.0	65.8	61.8	60.2	64.0	65.6	66.1	69.5	71.3	71.7	67.3
Not Married	81.4	81.7	82.7	82.1	80.2	82.0	82.4	83.1	84.2	88.1	89.8	89.3	90.8	87.3
On Medicaid	65.7	66.9	64.2	64.3	62.8	66.8	74.2	78.0	79.2	79.4	80.6	78.6	81.5	80.2
Infant Mortality Rate*	16.1	17.1	16.9	14.4	15.0	13.5	13.1	13.6	11.0	11.9	9.9	12.3	9.4	9.5

*Rate per 1,000 live births to teenagers.
Note: See Special Note on Mother's Marital Status.

Table 28.

**Number of Maternal Risk Factors by Health Center District of Residence
New York City, 1997**

Health Center District	Total Live Births	Percent of Total Live Births with Specified Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	123,313	44.4	37.1	15.7	2.8
MANHATTAN	19,087	45.7	35.7	15.7	2.9
Central Harlem	1,977	19.0	49.1	27.2	4.8
East Harlem	2,058	30.2	43.3	22.4	4.1
Kips Bay-Yorkville	2,656	72.0	24.0	2.7	1.3
Lower East Side	2,670	59.9	30.6	8.8	0.7
Lower West Side	2,641	65.1	27.2	6.5	1.2
Riverside	2,357	56.1	30.8	10.7	2.4
Washington Heights	4,711	25.1	43.5	26.7	4.7
BRONX	21,352	26.3	44.0	24.9	4.8
Fordham-Riverdale	4,083	32.7	43.7	20.1	3.6
Morrisania	3,314	17.3	45.2	31.4	6.2
Mott Haven	2,313	18.4	46.3	29.5	5.9
Pelham Bay	2,890	35.3	43.4	18.0	3.4
Tremont	4,610	16.2	45.8	31.5	6.4
Westchester	4,119	36.7	40.4	19.5	3.4
BROOKLYN	39,370	39.6	40.8	16.5	3.1
Bay Ridge	3,763	61.8	31.0	6.3	0.9
Bedford	3,929	25.3	44.7	25.1	4.9
Brownsville	5,014	25.1	45.5	24.3	5.1
Bushwick	3,737	25.6	47.6	22.7	4.1
Flatbush	8,445	38.6	43.9	15.2	2.3
Fort Greene	2,332	30.4	43.4	21.8	4.5
Gravesend	3,602	48.9	35.3	12.9	3.0
Red Hook-Gowanus	1,516	50.0	33.6	13.6	2.8
Sunset Park	4,017	49.6	38.7	10.1	1.6
Williamsburg-Greenpoint	2,992	52.9	33.9	11.3	1.9
QUEENS	28,310	48.1	36.1	13.9	2.0
Astoria-Long Island City	3,855	44.8	36.7	16.1	2.4
Corona	5,839	36.3	40.9	20.1	2.7
Flushing	4,676	65.2	26.2	7.5	1.0
Jamaica East	4,733	40.3	42.2	15.5	2.1
Jamaica West	5,762	46.4	38.0	13.3	2.3
Maspeth-Forest Hills	3,406	62.2	28.9	7.8	1.0
RICHMOND	5,659	68.3	23.6	7.3	0.8
NON-RESIDENTS	9,528	77.0	20.0	2.7	0.4
RESIDENCE UNKNOWN	7	—	—	—	—

*Maternal risk factors: no prenatal care in first six months of pregnancy, mother not married, teenaged mother.

Note: See Special Note on Mother's Marital Status.

Table 29.

**Live Births, Infant Deaths and Infant Mortality Rates
by Birth Weight and Number of Maternal Risk Factors
New York City, 1997**

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	54,755	221	4.0	3,591	148	41.2	51,160	73	1.4
One	45,722	333	7.3	4,482	249	55.6	41,236	82	2.0
Two	19,420	224	11.5	2,407	159	66.1	17,013	65	3.8
Three	3,416	44	12.9	436	33	75.7	2,980	11	3.7
Unmatched ⁽²⁾	—	59	—	—	—	—	—	—	—
Total	123,313	881	7.1	10,916	589	54.0	112,389	231	2.1

(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.

Note: See Special Note on Mother's Marital Status.

Table 30a.

Live Births and Infant Deaths by Birth Weight, Race and Age, New York City, 1997

Birth Weight in Grams	Live Births				Infant Deaths														
					Total					Age Under 28 Days					Age Under 7 Days				
	Total	White	Black	Other	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500	152	59	79	14	124	28	53	8	35	121	27	52	8	34	118	25	51	8	34
500-999	882	330	485	67	286	103	120	9	54	240	85	95	9	51	181	63	71	7	40
1000-1499	1,154	505	558	91	50	28	15	3	4	40	24	9	3	4	29	17	5	3	4
1500-1999	2,127	990	921	216	60	28	21	1	10	40	22	8	1	9	23	12	5	-	6
2000-2499	6,601	3,286	2,615	700	69	31	24	6	8	39	20	9	4	6	29	13	7	3	6
Less than 2500	10,916	5,170	4,658	1,088	589	218	233	27	111	480	178	173	25	104	380	130	139	21	90
2500-2999	23,236	11,755	8,373	3,108	97	53	34	5	5	46	25	15	1	5	33	19	10	-	4
3000-3499	47,442	26,504	14,997	5,941	87	48	31	4	4	27	15	7	2	3	18	11	6	-	1
3500-3999	31,771	19,214	9,176	3,381	32	13	16	2	1	10	4	5	-	1	7	4	2	-	1
4000-4499	8,442	5,341	2,395	706	12	7	4	-	1	7	6	-	-	1	3	3	-	-	-
4500-4999	1,368	852	419	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5000 & over	130	66	54	10	3	-	2	-	1	2	-	1	-	1	2	-	1	-	1
2500 & over	112,389	63,732	35,414	13,243	231	121	87	11	12	92	50	28	3	11	63	37	19	-	7
Not stated	8	4	2	2	2	1	1	-	-	2	1	1	-	-	1	-	1	-	-
Unmatched*	-	-	-	-	59	41	12	3	3	31	25	4	1	1	15	11	2	1	1
Total	123,313	68,906	40,074	14,333	881	381	333	41	126	605	254	206	29	116	459	178	161	22	98

*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, Race and Age, New York City, 1997

Birth Weight in Grams	Total				Age Under 28 Days				Age Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500	815.8	**	**	**	796.1	**	**	**	776.3	**	**	**
500-999	324.3	312.1	247.4	**	272.1	257.6	195.9	**	205.2	190.9	146.4	**
1000-1499	43.3	55.4	26.9	**	34.7	47.5	16.1	**	25.1	33.7	9.0	**
1500-1999	28.2	28.3	22.8	4.6	18.8	22.2	8.7	4.6	10.8	12.1	5.4	-
2000-2499	10.5	9.4	9.2	8.6	5.9	6.1	3.4	5.7	4.4	4.0	2.7	4.3
Less than 2500	54.0	42.2	50.0	24.8	44.0	34.4	37.1	23.0	34.8	25.1	29.8	19.3
2500-2999	4.2	4.5	4.1	1.6	2.0	2.1	1.8	0.3	1.4	1.6	1.2	-
3000-3499	1.8	1.8	2.1	0.7	0.6	0.6	0.5	0.3	0.4	0.4	0.4	-
3500-3999	1.0	0.7	1.7	0.6	0.3	0.2	0.5	-	0.2	0.2	0.2	-
4000-4499	1.4	1.3	1.7	-	0.8	1.1	-	-	0.4	0.6	-	-
4500-4999	-	-	-	**	-	-	-	**	-	-	-	**
5000 & over	23.1	**	**	**	15.4	**	**	**	15.4	**	**	**
2500 & over	2.1	1.9	2.5	0.8	0.8	0.8	0.8	0.2	0.6	0.6	0.5	-
Total	7.1	5.5	8.3	2.9	4.9	3.7	5.1	2.0	3.7	2.6	4.0	1.5

* Rate per 1,000 live births. Births and deaths included here were reported in 1997 and do not represent a true birth cohort.

Rate for other race does not include infant deaths with race not stated.

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

Table 31.

Infant Deaths by Sex, Age and Race, and by Cause, New York City, 1997

	Total	MALE			FEMALE		
		Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total	881	281	71	150	178	75	126
Race of Infant							
White	381	103	36	64	75	40	63
Black	333	100	19	73	61	26	54
Other and not stated	167	78	16	13	42	9	9
Cause of Death (ICD-9 Codes)							
Certain Gastrointestinal Diseases (008-009, 535, 555-558)	2	-	-	-	-	-	2
Human Immunodeficiency Virus Infection (042-044)	5	-	-	2	-	-	3
Pneumonia and Influenza (480-487)	5	-	-	3	-	-	2
Congenital Anomalies (740-759)	221	57	26	37	45	22	34
Short Gestation and Low Birth Weight (765)	74	45	-	1	23	4	1
Birth Trauma (767)	1	1	-	-	-	-	-
Intrauterine Hypoxia and Birth Asphyxia (768)	12	1	3	1	5	1	1
Respiratory Distress Syndrome (769)	85	41	7	4	23	9	1
Respiratory Conditions of Newborn (770)	72	33	3	7	14	8	7
Neonatal Hemorrhage (772)	16	7	4	1	2	2	-
Other Conditions Originating in the Perinatal Period (Rest of 760-779)	226	86	20	24	57	21	18
Sudden Infant Death Syndrome (798.0)	51	3	1	26	-	5	16
Injuries (E800-E999)	32	3	1	15	3	-	10
All other causes	79	4	6	29	6	3	31

Table 32.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1981-1997**

Mother's Ethnic Group ⁽¹⁾	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
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	133,662	131,009	126,901	123,313
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	15,182	13,895	12,925	12,947
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	28,298	29,717	28,114	26,108
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	11,268	11,647	12,782	13,226
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	38,203	36,711	37,215	37,006
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	39,195	37,217	34,798	33,500
Other & Unknown	677	448	392	473	829	858	885	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526
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	1,207	1,155	992	881
Puerto Rican	265	296	244	263	226	240	240	241	257	238	211	194	178	120	146	112	96
Other Hispanic	133	154	141	133	139	156	182	186	219	195	187	170	196	174	197	164	141
Asian	80	74	75	76	76	63	65	79	93	67	76	73	61	57	57	56	51
Other White	439	409	388	363	368	323	350	353	321	300	278	227	244	223	204	197	189
Other Black	747	762	742	680	758	751	802	891	911	797	777	676	646	598	522	448	385
Other & Unknown	14	11	13	25	24	33	34	20	26	23	46	50	41	35	29	15	19
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	9.0	8.8	7.8	7.1
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	7.9	10.5	8.7	7.4
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	6.1	6.6	5.8	5.4
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	5.7	5.1	4.9	4.4	3.9
Other White	12.4	11.5	10.8	10.3	10.0	8.6	9.3	9.1	8.2	7.7	7.4	6.1	6.4	5.8	5.6	5.3	5.1
Other Black	22.3	22.0	21.4	19.3	20.2	19.2	20.0	21.5	21.2	18.6	18.7	16.6	16.2	15.3	14.0	12.9	11.5
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	804	811	656	605
Puerto Rican	169	198	166	165	141	157	157	159	172	155	138	138	108	67	113	72	60
Other Hispanic	88	110	102	97	100	117	134	133	153	136	136	120	136	122	143	113	107
Asian	58	52	47	53	45	47	42	59	60	44	45	50	38	42	44	35	37
Other White	318	301	274	267	268	254	251	264	238	222	201	157	177	158	146	139	130
Other Black	503	506	471	414	513	481	535	602	610	518	533	436	425	389	342	283	257
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	6.0	6.2	5.2	4.9
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	4.4	8.1	5.6	4.6
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	4.3	4.8	4.0	4.1
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	3.7	3.8	2.7	2.8
Other White	9.0	8.4	7.7	7.5	7.3	6.8	6.7	6.8	6.0	5.7	5.4	4.2	4.6	4.1	4.0	3.7	3.5
Other Black	15.0	14.6	13.6	11.8	13.6	12.3	13.4	14.6	14.2	12.1	12.8	10.7	10.7	9.9	9.2	8.1	7.7
Maternal Deaths, Total	33	37	44	21	30	29	28	26	29	35	24	30	20	29	26	22	17
Puerto Rican	3	5	3	1	1	4	2	2	4	1	4	2	2	4	3	1	1
Other Hispanic	4	6	8	3	6	-	4	6	2	4	2	3	2	5	7	4	2
Asian	1	1	1	-	1	2	6	1	1	-	1	-	1	2	1	1	1
Other White	6	8	7	4	3	6	3	2	2	2	2	6	-	6	-	4	2
Other Black	19	16	24	13	15	14	8	15	20	25	15	16	14	12	14	11	11
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	2.2	2.0	1.7	1.4
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	2.6	2.2	0.8	0.8
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	1.8	2.4	1.4	0.8
Asian	1.2	1.1	1.1	-	1.0	2.0	5.5	0.9	0.8	0.8	-	0.8	-	1.8	0.9	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	-	1.6	-	1.1	0.5
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	3.1	3.8	3.2	3.3

(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 for a discussion of race, ancestry and ethnicity.

(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. The assignment for the years 1992-1996 has been corrected, resulting in infant mortality rates for other whites and other blacks slightly higher than those published previously, and in fewer infant deaths with mother's ethnic group unknown.

(3) Rate per 1,000 live births.

(4) Rate per 10,000 live births.

Table 33.

Cases of Reportable Diseases, New York City, 1940-1997

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chicken Pox	Pertussis	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
1941-1945	7,870	24,890	8,111	9,277	5,706	705	658	25,773	4,124	13,955	42		7,360
1946-1950	6,888	17,348	3,579	9,912	2,574	145	991	24,144	3,688	21,522	55	140	2,442
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	N.A.	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
1994	2,483	15	335	5,977 *	223	40	0	7,640	626	19,246	11	1,486	1
1995	1,939	5	211		36	54	0	7,577	362	16,361	8	1,531	6
1996	1,600	11	164		64	56	0	5,670	138	12,998	4	1,118	5
1997	1,730	0	218		111	57	0	4,889	97	14,556	14	1,360	0

Note: Figures for single years from 1941 to 1950 appear in the annual summaries for 1995 and earlier.

For discussion of specific diseases and factors which affect reporting, see City Health Information, Vol. 15 No. 4, December 1996, pp. 16-21.

* Not reportable as of December 11, 1994.

Table 34.

Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-1997

Sex/Risk Group	1980-1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Male														
Intravenous Drug Use (IDU)	807	739	1,118	1,486	2,120	2,234	2,718	3,180	3,917	4,597	4,010	3,331	2,338	1,499
Sex with Men	2,065	1,516	2,178	2,408	2,614	2,649	2,639	2,874	3,226	3,575	3,319	2,629	1,748	1,064
IDU and Sex with Men	232	145	182	232	234	252	235	303	294	272	191	150	95	77
Transfusion	19	20	35	33	49	27	32	28	25	32	48	36	31	20
Heterosexual Transmission	7	0	7	7	19	27	31	65	113	220	309	352	316	251
Other	132	84	104	145	219	284	296	423	533	658	1,024	1,518	1,545	1,189
Total	3,262	2,504	3,624	4,311	5,255	5,473	5,951	6,873	8,108	9,354	8,901	8,016	6,073	4,100
Female														
Intravenous Drug Use	229	181	307	468	646	753	952	1,239	1,495	1,743	1,462	1,316	928	610
Heterosexual Transmission	54	71	112	220	254	323	422	528	696	1,037	955	961	724	515
Transfusion	17	8	22	26	21	16	19	13	24	16	3	29	31	21
Other	41	26	28	46	76	93	106	159	216	253	364	574	640	634
Total	341	286	469	760	997	1,185	1,499	1,939	2,431	3,049	2,784	2,880	2,323	1,780

Note: Figures include reports through June 1998; data for recent years are incomplete due to reporting lag.

Table 18r.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 1996 (Revised)**

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	252,025	1,133	12,909	19,779	60,637	64,821	54,391	29,557	8,195	603
Live Births	126,901	315	4,735	7,970	26,745	33,829	32,289	16,965	4,021	32
Spontaneous Terminations	15,751	34	538	874	2,737	3,540	3,727	2,763	1,303	235
Induced Terminations	109,373	784	7,636	10,935	31,155	27,452	18,375	9,829	2,871	336
MANHATTAN	37,736	181	1,982	2,847	8,183	9,171	8,625	5,040	1,607	100
Live Births	19,745	47	768	1,125	3,433	4,718	5,482	3,204	964	4
Spontaneous Terminations	2,530	4	65	108	345	519	623	549	275	42
Induced Terminations	15,461	130	1,149	1,614	4,405	3,934	2,520	1,287	368	54
BRONX	48,588	304	3,202	4,803	13,334	12,609	8,894	4,329	1,019	94
Live Births	22,244	104	1,374	2,067	5,704	5,895	4,528	2,125	442	5
Spontaneous Terminations	3,177	12	155	229	704	745	686	431	173	42
Induced Terminations	23,167	188	1,673	2,507	6,926	5,969	3,680	1,773	404	47
BROOKLYN	84,310	358	4,382	6,813	22,135	21,700	16,862	9,094	2,757	209
Live Births	40,507	95	1,616	2,831	10,086	10,816	9,099	4,736	1,215	13
Spontaneous Terminations	5,700	13	215	374	1,075	1,314	1,279	896	438	96
Induced Terminations	38,103	250	2,551	3,608	10,974	9,570	6,484	3,462	1,104	100
QUEENS	55,178	183	2,486	3,916	12,849	15,094	12,397	6,493	1,629	131
Live Births	29,177	59	801	1,607	6,118	8,636	7,538	3,688	721	9
Spontaneous Terminations	3,017	3	75	141	504	697	750	564	247	36
Induced Terminations	22,984	121	1,610	2,168	6,227	5,761	4,109	2,241	661	86
RICHMOND	9,221	21	338	563	1,598	2,609	2,568	1,253	258	13
Live Births	5,823	7	128	219	765	1,812	1,915	846	130	1
Spontaneous Terminations	556	2	18	11	60	135	165	110	48	7
Induced Terminations	2,842	12	192	333	773	662	488	297	80	5
NON-RESIDENTS	16,718	86	502	811	2,488	3,570	4,998	3,320	911	32
Live Births	9,320	3	42	110	628	1,922	3,713	2,358	544	-
Spontaneous Terminations	761	-	10	11	48	127	223	213	122	7
Induced Terminations	6,637	83	450	690	1,812	1,521	1,062	749	245	25
RESIDENCE UNKNOWN	274	-	17	26	50	68	47	28	14	24
Live Births	85	-	6	11	11	30	14	8	5	-
Spontaneous Terminations	10	-	-	-	1	3	1	-	-	5
Induced Terminations	179	-	11	15	38	35	32	20	9	19

Note: Replaces Table 18, Summary of Vital Statistics 1996, p.19, and includes 11,573 reports of Induced Termination of Pregnancy for 1996 and earlier which were filed too late for inclusion in 1996. See the Technical Notes for a fuller discussion of Induced Terminations of Pregnancy.

**Table 20r. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence
New York City, 1996 (Revised)**

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	236,854	93,826	28,904	55,099	52,313	6,712
Live Births	126,901	40,570	19,556	34,306	26,227	6,242
Spontaneous Terminations	580	151	108	196	100	25
Induced Terminations	109,373	53,105	9,240	20,597	25,986	445
MANHATTAN	35,289	33,093	1,160	421	602	13
Live Births	19,745	18,880	579	153	121	12
Spontaneous Terminations	83	79	3	-	1	-
Induced Terminations	15,461	14,134	578	268	480	1
BRONX	45,522	18,383	25,890	408	825	16
Live Births	22,244	4,115	17,821	139	157	12
Spontaneous Terminations	111	12	98	-	-	1
Induced Terminations	23,167	14,256	7,971	269	668	3
BROOKLYN	78,830	21,577	207	49,772	6,670	604
Live Births	40,507	6,962	90	31,674	1,217	564
Spontaneous Terminations	220	22	1	188	6	3
Induced Terminations	38,103	14,593	116	17,910	5,447	37
QUEENS	52,271	9,965	311	2,653	39,291	51
Live Births	29,177	5,218	186	1,568	22,154	51
Spontaneous Terminations	110	20	3	1	86	-
Induced Terminations	22,984	4,727	122	1,084	17,051	-
RICHMOND	8,687	1,838	16	1,035	120	5,678
Live Births	5,823	191	7	323	25	5,277
Spontaneous Terminations	22	1	-	-	-	21
Induced Terminations	2,842	1,646	9	712	95	380
NON-RESIDENTS	15,991	8,835	1,278	776	4,759	343
Live Births	9,320	5,178	856	429	2,538	319
Spontaneous Terminations	34	17	3	7	7	-
Induced Terminations	6,637	3,640	419	340	2,214	24
RESIDENCE UNKNOWN	264	135	42	34	46	7
Live Births	85	26	17	20	15	7
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	179	109	25	14	31	-

Note: Replaces Table 20, Summary of Vital Statistics 1996, p.20, and includes 11,573 reports of Induced Termination of Pregnancy for 1996 and earlier which were filed too late for inclusion in 1996. See the Technical Notes for a fuller discussion of Induced Terminations of Pregnancy.

SPECIAL NOTE ON MOTHER'S MARITAL STATUS

New York City is prohibited by local law from recording mother's marital status on the record or report of birth. Consequently, it has been computed from other information available on the birth certificate for purposes of statistical analysis and reporting. Prior to the introduction of Electronic Birth Certificate (EBC), the computation was performed by coders using an algorithm developed by the National Center for Health Statistics (NCHS). With EBC, a computerized version of the coding considered, in order, the presence or absence of the father's name on the certificate, the reported filing or non-filing of an acknowledgment of paternity, and the match or non-match of the father's surname and mother's surname in the mailing address. ! In early 1996, a review of the results of this computerized coding, and discussions with other Vital Statistics registration

areas, led to the conclusion that the number of nonmarital births was being over-estimated. This was due to varied naming practices among ethnic groups, as well as the increasing tendency among married women to retain their maiden surname. Therefore, the comparison of surnames was dropped from the computation, leaving the elements of father's name and acknowledgment of paternity. This procedure is consistent with that used by New York State. The new method was implemented by an EBC change during 1997. ! More than 91,000 records with marital status computed both ways were analyzed to determine the effect of the change by various demographic characteristics of the mother. The overall change in the proportion of unmarried mothers was from 53.2% to 43.0%, a decline of 19.2%.

As age of mother increased, the percent change increased.

<u>Age of Mother</u>	<u>%Unmarried Old Method</u>	<u>%Unmarried New Method</u>	<u>% Decline, Unmarried</u>
Under 20 Years	91.2	86.8	-4.8
20 - 29 Years	57.7	48.4	-16.1
30 - 39 Years	39.7	27.4	-31.0
40 Years +	42.1	26.7	-36.6
Total	53.2	43.0	-19.2

The percent change varied by ethnic group of the mother.

<u>Ethnicity</u>	<u>%Unmarried Old Method</u>	<u>%Unmarried New Method</u>	<u>% Decline, Unmarried</u>
Hispanic	67.8	60.7	-10.0
Asian and Pacific Islander	41.9	15.0	-64.2
Other White	23.7	12.4	-47.7
Other Black	73.1	67.4	-7.8
Total	53.2	43.0	-19.2

The decline varied by type of hospital of delivery: among deliveries at municipal hospitals, the percent unmarried fell from 73.5% to 66.0%, a decline of 10.2%, while among deliveries at voluntary hospitals there was a greater drop of 22.7%, from 48.1% unmarried to 37.2% unmarried.

The element underlying the differential changes is

the presence or absence of the father's name on the certificate. A father's name may be placed on a birth certificate only if the parents are married, or an acknowledgment of paternity has been filed. If the father's name is on the certificate, other information can determine whether or not the parents are married, but if the father's name is not present, the mother cannot be considered married.

There were also significant changes by Health Center District, most likely as explained by differences in mother's age and ethnicity across the City. The proportionate declines were smallest in

Health Center Districts with the highest percentage of unmarried mothers, and greatest in those with the lowest percentages.

Health Center District	% Unmarried Old Method	% Unmarried New Method	% Decline, Unmarried
Central Harlem	81.9	73.3	-10.5
East Harlem	70.1	60.1	-14.3
Kips Bay-Yorkville	26.8	7.6	-71.6
Lower East Side	53.2	29.8	-44.0
Lower West Side	45.0	19.7	-56.2
Riverside	54.1	31.0	-42.7
Washington Heights	68.4	62.4	-8.8
Fordham - Riverdale	65.4	55.0	-15.9
Morrisania	80.2	73.8	-8.0
Mott Haven	79.4	75.2	-5.3
Pelham Bay	65.2	57.6	-11.7
Tremont	79.3	73.8	-6.9
Westchester	62.7	55.1	-12.1
Bay Ridge	35.0	19.5	-44.3
Bedford	71.8	67.0	-6.7
Brownsville	71.0	65.5	-7.7
Bushwick	76.1	68.5	-10.0
Flatbush	49.5	41.7	-15.8
Fort Greene	71.4	62.3	-12.7
Gravesend	42.7	26.8	-37.2
Red Hook - Gowanus	59.1	39.7	-32.8
Sunset Park	41.7	30.1	-27.8
Williamsburg- Greenpoint	39.1	33.5	-14.3
Astoria-Long Island City	50.6	37.7	-25.5
Corona	59.7	49.4	-17.3
Flushing	35.1	21.8	-37.9
Jamaica East	60.3	53.4	-11.4
Jamaica West	53.1	43.6	-17.9
Maspeth - Forest Hills	38.4	26.1	-32.0
Richmond	29.9	25.2	-15.7

Mother's marital status appears in Tables 22, 23, 24, 25, 26, 27, 28, and 29.

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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 Office of Vital Records, New York City Department of Health.

With implementation beginning in 1995 and completed by the end of 1996, birth certificates are created, printed and filed using the Electronic Birth Certificate (EBC) system. The number of induced and spontaneous terminations of pregnancy reported each year depends to some extent on the level of active surveillance by the Office of Vital Statistics and Epidemiology. Some events from earlier years filed too late for inclusion in the year of occurrence are included in each year's annual statistical reports. See Induced Terminations of Pregnancy below. ! 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 demographic and medical 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. ! Because New York City law prohibits recording mother's marital status on the birth certificate, it is calculated using other items. See Special Note on Mother's Marital Status, pp.32-33.

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, AGE 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 compute 1980 life expectancy

tables to facilitate comparisons with 1990 figures. ! Life expectancy tables for Hispanics were not calculated because of under reporting of Hispanic ancestry in death certificates; technical changes in the death certificate were made in 1993 to correct this problem.

RACE, ANCESTRY AND ETHNICITY - Race and Ancestry are separate items on the certificates, reported usually by a parent on the birth certificate, and by a relative of the decedent or by the funeral director on the death certificate. 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 was introduced in 1993, using Asian race rather than Asian ancestry as was done 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 other white, other black, other or unknown. This change is made to take advantage of expanded Asian race categories introduced in 1992. ! Table 7, Deaths by Ancestry and Borough of Residence and Table 21, Live Births by Ancestry and Borough of Residence, present data for ancestry groups having 500 or more of births or deaths; groups are not deleted from the tables if their numbers decline. Ancestry is defined by NCHS as the nationality, lineage, or country where the subject's ancestors were born before their arrival in the United States; if a religious group is reported, NCHS instructions are to ask for the country of origin or nationality. In New York City, enough certificates with ancestry reported as Jewish or Hebrew are received to warrant inclusion in these tables, notwithstanding the religious meaning of the terms.

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. Changes are occasionally made to terms used to describe causes of death, and rarely changes are made in the defining ICD codes. ! Beginning in 1996, Alzheimer's disease and deaths due to firearms are shown separately, following NCHS practice.

External Causes of Death - External causes of death include accident, suicide, homicide, legal intervention, injury undetermined whether accidentally or purposely inflicted and injury resulting from operations of war. Some homicides are considered justifiable and are reported as such by the New York City Police Department under the Uniform Crime Reporting System of the Federal Bureau of Investigation. Deaths due to legal intervention have been included in the homicide figures reported in the Vital Statistics Summary, and have been identified in the detailed homicide table. Deaths due to injury resulting from operations of war have also been included in the homicide total; these are infrequent, only one having been reported from 1984 through 1996, and are not specifically identified. ! All death certificates for external causes are reported by the

Office of Chief Medical Examiner. Deaths for which a cause has not been determined by the time the statistical file is closed are shown separately in Table 3; some of these pending deaths will be determined to be due to natural causes. This number has declined since 1989.

! 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 Tables 3 and 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.

Fatal Occupational Injuries - The Census of Fatal Occupational Injuries, which provides the data in Table 7a, is carried out according to a protocol developed by the Bureau of Labor Statistics (BLS) of the U.S. Department of Labor. Autopsy and other reports for deaths due to external causes (see above) are reviewed if the injury occurred at work. Definitions and terminology are those of BLS, which may differ from those generally used in vital statistics.

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.

Infant Mortality - The infant mortality rate consists of the number of infant deaths in a specified time and place divided by the number of births in the same time and place: some infants in the numerator were born in the preceding year, and some in the denominator will die in the following year. ! In this summary, all characteristics of infant deaths are drawn from the death certificate except in Table 32, which uses the ethnic group of the mother. In Tables 29 and 30, maternal risk factors and birth weight are based on the birth certificates.

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

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were reported in a separate category, Residents of Institutions.

PLACE OF DEATH - In reporting Place of Death in Table 6, the term hospital 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.

PLACE OF BIRTH - Reporting of home births in Tables 22 and 23 has been corrected to include events where the certificate was filed through a hospital. For 1995, the number of home births was 762, not 249 as previously reported.

INDUCED TERMINATIONS OF PREGNANCY - Induced Terminations of Pregnancy generally require active surveillance and follow-up to insure complete reporting. As a result, some events from earlier years are included in each year's Vital Statistics Summary. For example, 1996 tables included data on 7,487 events occurring in 1995 and earlier; 1995 tables included 1,673 events in 1994 and earlier. In 1997, one facility was found to have failed to submit reports for

over 11,000 procedures. These reports, and about 500 from several other facilities, were included in the 1997 data file, but because of their large number are being reported in revised tables for 1996 pregnancy outcomes. New tables 18r and 20r report 109,373 induced terminations including 11,573 late-reported events, an increase of 11.8% over the 97,800 reported previously. The total of all pregnancy outcomes reported increased by the same number, from 240,452 to 252,025 or 4.8%. The additional procedures were provided to women residing in all boroughs as well as to non-residents. For example, there was an increase to Manhattan residents of 19.1%, and to Richmond residents of 16.9%. By age of women, the greatest increases were to women 20-24 years, 11.9%, and 25-29 years, 10.1%. Because the late-filed reports are presented in the revised 1996 tables, the tables for 1997 do not include events from any previous years.

HIV AND AIDS MORTALITY - Beginning in 1997, the mortality data presented in most tables of this Vital Statistics Summary are expanded to include all deaths due to HIV

infection (042-044), not only AIDS (042). From 1983 through 1986, AIDS and other HIV deaths were assigned code 279.1; in 1987, NCHS introduced code 042 for AIDS and 043-044 for other deaths due to HIV. This summary has reported AIDS and other HIV separately in Table 3 since 1987. The number of other HIV deaths by year is shown below.

1987 - 33	1991 - 209	1994 - 146
1988 - 34	1992 - 197	1995 - 92
1989 - 89	1993 - 118	1996 - 52
1990 - 137		

! The data for 1997 shown in Tables 4 and 4a, 5, 12, 13 and 17, and in figure 6, are for all deaths due to HIV infection. The historic data in Tables 12 and 17, and in Figure 6, have been expanded as well. Tables 3 and 16 display data for AIDS and other HIV infection deaths separately. ! The incidence data in Table 34 are provided by the New York City AIDS Surveillance Registry. Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State.

Rates and Ratios Defined

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.

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

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

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

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

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

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

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

Perinatal Mortality Ratio - 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.

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

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

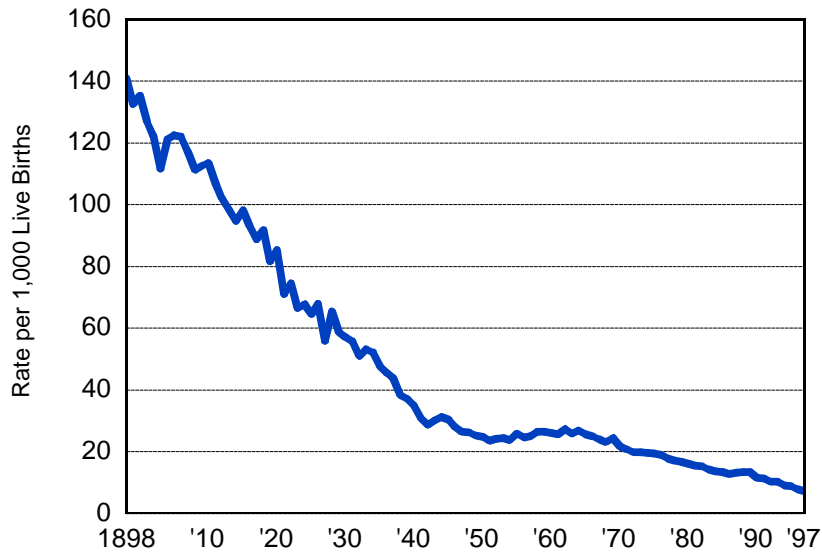


Figure 11. Infant Mortality Rate
New York City, 1898 to 1997

New York City took its present form in 1898, when New York City's boundaries were extended to include all five boroughs, Manhattan, Bronx, Brooklyn, Queens and Staten Island. The infant mortality rate at that time was estimated at 136.7 deaths under one year of age per 1,000 live births. (Because of incomplete reporting of early neonatal deaths, this is almost certainly an underestimate.) Improvements in food and water safety in the earlier part of the century, and in access to medical care advances in the later years, have contributed to the decline to 7.1 deaths per 1,000 live births.

Figure 12. New York City, Boroughs and Health Center Districts



HIGHLIGHTS, 1997

BIRTHS - The number of live births registered in New York City declined 3%, from 126,901 to 123,313. The decline from the recent high, 139,630 in 1990, is now 14%.

DEATHS - The total number of deaths in New York City declined more than 6% from 1996 to 1997: a decrease of 4,278 from 66,784 to 62,506. More than half of the decline, 2,373 deaths, was in deaths due to HIV infection, which fell from 4,998 to 2,625. Since 1994, the number of HIV deaths has declined 63%. The decline in New York City homicide deaths continues, dropping from 1,018 in 1996 to 793 in 1997, a decline of 22%. Most of this decline is in homicides by firearms. Infant deaths and the infant mortality rate (deaths under one year of age per 1,000 live births) both continued to decline, reaching 881 deaths and a rate of 7.1. Infant mortality rates for teenage mothers for 1984-1997 are newly reported in Table 27.

INDUCED TERMINATION OF PREGNANCY - Induced Termination of Pregnancy reports require active surveillance by the Office of Vital Statistics and Epidemiology for reporting to be complete. Each year, there have been some data from previous years included in annual files and published tables. In 1997, an unusually large number of certificates was filed late. Over 11,000 reports for 1996 events were received from one facility, and it was decided to publish revisions of the 1996 tables including these late-filed data. The new tables for 1996, 18r and 20r, appear on p. 31. Tables 18 and 20 on pp. 20-21 contain data on 1997 events only.

ASTHMA - Asthma as a cause of death now appears in Table 3, and historic data appear in Table 17.

HIV AND AIDS - Reporting of deaths due to Human Immunodeficiency Virus (HIV) infection in most tables now includes all deaths due to HIV, and not only AIDS. The expanded category is the third leading cause, with 2,625 deaths, while pneumonia and influenza is fourth, with 2,618 deaths: AIDS alone would have appeared fourth, with 2,576 deaths. From 1988 through 1996, AIDS alone was the third leading cause, and the additional HIV deaths would not have changed this rank. In 1987, AIDS alone was fourth, with 3,159 deaths; the

additional HIV deaths would have brought the total to third place, 3,192, outranking pneumonia and influenza with 3,175 deaths. The rank of HIV deaths in some age-sex groups might well differ from the rank of AIDS alone. See Technical Notes for a more complete presentation.

NEW MARITAL STATUS CALCULATION - The marital status of women delivering infants is an important element in the analysis of natality patterns and of infant health and mortality. Generally, infants born to unmarried women are at higher risk of poor outcomes than those born to married women. New York City, which is prohibited by law from recording the mother's marital status on the record or report of birth, has been using other information on the birth certificate to compute marital status since 1978. In 1997, the method of computation was changed to correct an overestimation of nonmarital births: the percentage of nonmarital births in 1997 is 43.2%, while it was 52.7% in 1996. Among teenagers, the percentage was 90.8% in 1996 and is 87.3% in 1997. A detailed discussion of the change by characteristics of the mother is presented in the Special Notes on Mother's Marital Status, pp. 32-33.

NEW MORTALITY TABLES - A new set of mortality tables, Chief Causes of Death in Specified Ethnic Groups by Sex, is introduced in 1997 as Table 4a. The ten leading causes of death among decedents classified as Puerto Rican, Other Hispanic, Asian and Pacific Islander, Other White, and Other Black by sex are shown. Heart diseases and malignant neoplasms are the first and second causes for all groups, though differences appear thereafter. To some extent, differences in cause of death are due to differing age structures in the ethnic groups. Comparisons should be made cautiously, especially considering the small number of deaths in some of the ethnic groups.

NEW MAP - A new map of New York city, showing borough and health center district boundaries, appears in Figure 12. This map was created from computerized data prepared by the Department of City Planning. In addition to showing more detailed boundaries, it presents the borough and Health Center District of Richmond in its correct size relative to the rest of the City.



DEPARTMENT OF HEALTH
Office of Vital Statistics and Epidemiology

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