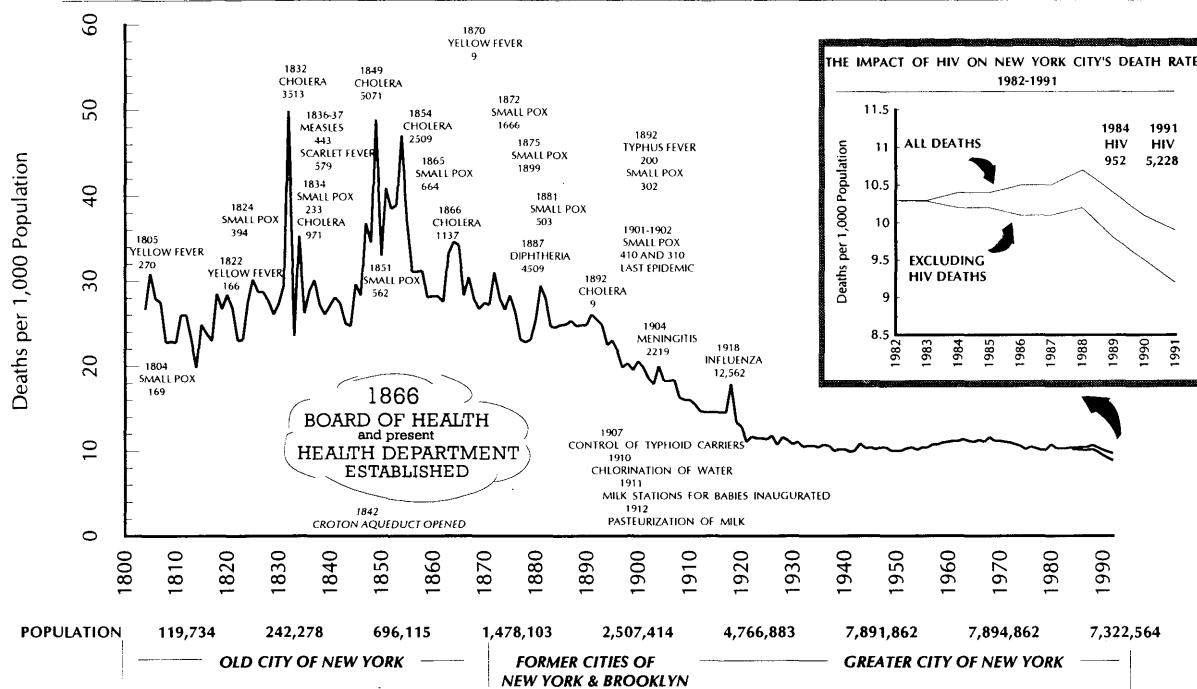


SUMMARY OF VITAL STATISTICS 1991

THE CITY OF NEW YORK

The Conquest of Pestilence in New York City

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



OFFICE OF VITAL STATISTICS AND EPIDEMIOLOGY

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

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Table 1.

Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1991

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

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, 1991**

Age In Years	DEATHS IN 1991											
	Race									Hispanic Ancestry*		
	All Races			White		Black		Other & Unknown		Total	Male	Female
	Total	Male	Female	Male	Female	Male	Female	Male	Female			
All Ages	72,421	37,875	34,546	24,682	23,704	9,868	8,179	3,325	2,663	8,442	5,243	3,199
Under 5	1,853	1,016	837	365	314	411	337	240	186	325	172	153
5-9	118	57	61	28	31	23	22	6	8	28	11	17
10-14	117	72	45	37	30	27	9	8	6	34	17	17
15-19	526	425	101	178	48	228	40	19	13	133	113	20
20-24	893	688	205	344	100	306	93	38	12	289	232	57
25-29	1,469	1,095	374	584	167	440	175	71	32	452	356	96
30-34	2,325	1,694	631	934	291	616	276	144	64	660	515	145
35-39	3,028	2,229	799	1,199	328	852	404	178	67	701	557	144
40-44	3,205	2,351	854	1,303	395	857	391	191	68	707	543	164
45-49	2,629	1,785	844	968	411	655	354	162	79	537	382	155
50-54	2,932	1,873	1,059	1,017	548	704	407	152	104	512	339	173
55-59	3,464	2,131	1,333	1,278	718	662	477	191	138	547	350	197
60-64	4,918	2,850	2,068	1,807	1,264	764	631	279	173	597	355	242
65-69	6,320	3,540	2,780	2,257	1,689	929	857	354	234	602	343	259
70-74	7,256	3,743	3,513	2,578	2,387	837	866	328	260	617	313	304
75-79	8,212	3,931	4,281	2,971	3,075	628	869	332	337	518	237	281
80-84	8,683	3,704	4,979	2,959	3,860	450	801	295	318	514	201	313
85 & Over	14,473	4,691	9,782	3,875	8,048	479	1,170	337	564	669	207	462

*Persons of Hispanic ancestry may be of any race.

Table 3.

Deaths by Cause and Borough of Residence
New York City, 1991

Cause (ICD-9 Code*)	BOROUGH OF RESIDENCE							Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	
TOTAL DEATHS.....	72,421	14,428	11,752	20,982	16,811	3,203	4,253	992
ALL NATURAL CAUSES.....	67,848	13,661	10,865	19,629	15,982	3,075	3,961	675
1. Total tuberculosis (010-018).....	254	78	38	87	33	2	4	12
Respiratory tuberculosis (010-012).....	197	62	30	70	21	2	2	10
Other forms (013-018).....	57	16	8	17	12	-	2	2
2. Septicemia (038).....	498	135	121	105	75	16	33	13
3. Acquired immunodeficiency syndrome (042).....	5,019	1,795	894	1,281	602	121	201	125
4. Other HIV infections (043-044).....	209	52	37	82	24	3	6	5
5. Viral hepatitis (070).....	50	7	8	19	10	-	6	-
6. Pneumocystosis (136.3).....	88	14	19	27	18	3	5	2
7. Other infective and parasitic diseases (Rest of 001-139).....	294	69	58	97	45	4	13	8
8. Malignant neoplasms, all (140-208).....	15,255	3,061	2,126	4,047	3,717	751	1,457	96
Lip, oral cavity and pharynx (140-149).....	296	60	53	90	49	14	27	3
Digestive organs and peritoneum (150-159).....	4,255	868	613	1,150	1,097	190	314	23
Stomach (151).....	648	134	104	197	147	22	43	1
Colon (153).....	1,578	299	216	441	438	77	100	7
Rectum (154).....	234	55	45	49	61	3	20	1
Liver, bile duct, gallbladder (155-156).....	595	121	79	145	171	31	43	5
Pancreas (157).....	774	157	98	212	194	42	65	6
Respiratory system (160-165).....	3,739	738	488	1,044	927	215	291	36
Trachea, bronchus and lung (162).....	3,541	689	463	991	890	202	273	33
Kaposi's sarcoma (173.9).....	28	9	4	8	3	3	1	-
Breast and genito-urinary organs (174, 179-189).....	3,756	765	540	972	907	171	384	17
Breast, female (174).....	1,496	307	215	378	362	68	160	6
Cervix uteri (180).....	151	26	34	46	33	2	8	2
Ovary and other uterine adnexa (183).....	452	89	51	121	94	28	69	-
Prostate (185).....	859	176	123	229	216	37	74	4
Bladder and other urinary organs (188-189).....	541	111	82	133	131	29	50	5
Other and unspecified sites (Rest of 140-199).....	1,802	373	238	445	425	93	217	11
Lymphatic and hematopoietic tissues (200-208).....	1,407	257	194	346	312	68	224	6
Leukemia and aleukemia (204-208).....	528	87	74	116	102	27	121	1
9. Benign and unspecified neoplasms (210-239).....	229	54	33	51	46	8	36	1
10. Diabetes mellitus (250).....	998	197	203	318	191	48	34	7
11. Alcohol dependence syndrome (303).....	461	99	65	178	59	10	13	37
12. Drug dependence and accidental drug poisoning**.....	840	199	173	205	121	19	73	50
Drug dependence (304).....	781	185	158	193	116	17	69	43
13. Diseases of nervous system (320-389).....	523	130	84	133	129	14	29	4
14. Total cardiovascular diseases (390-459).....	31,971	5,332	4,832	9,779	8,682	1,577	1,504	265
Cerebrovascular disease (430-438).....	2,556	552	393	780	583	116	119	13
Heart diseases (393-398, 402, 404-429).....	28,046	4,455	4,189	8,614	7,817	1,408	1,321	242
Chronic rheumatic heart disease (393-398).....	110	23	21	28	21	3	12	2
Ischemic heart disease (410-414).....	22,643	3,254	3,416	6,752	6,730	1,254	1,076	161
Other forms of heart disease (420-429).....	4,006	841	554	1,387	850	138	180	56
Hypertensive disease (401-404).....	1,500	378	260	538	242	18	45	19
Atherosclerosis (440).....	314	94	69	60	59	20	8	4
15. Pneumonia and influenza (480-487).....	3,172	721	660	853	630	151	111	46
16. Chronic obstructive pulmonary diseases, all (490-496).....	1,560	323	246	449	362	120	48	12
Bronchitis, emphysema, asthma (490-493).....	464	108	90	139	90	20	13	4
17. Ulcer of stomach and duodenum (531-533).....	228	48	44	67	49	4	11	5
18. Appendicitis (540-543).....	15	7	-	2	3	1	2	-
19. Intestinal obstruction and hernia (550-553, 560).....	99	26	14	31	22	2	4	-
20. Chronic liver disease and cirrhosis (571).....	958	221	213	271	159	28	47	19
21. Nephritis, nephrotic syndrome and nephrosis (580-589).....	450	84	84	135	104	20	18	5
22. Hyperplasia of prostate (600).....	10	2	2	3	3	-	-	-
23. Complications of pregnancy, childbirth and the puerperium (630-676).....	24	2	8	10	2	1	1	-
24. Congenital anomalies (740-759).....	419	58	71	138	60	11	80	1
25. Certain conditions originating in the perinatal period (760-779).....	916	130	195	349	168	20	52	2
26. Sudden infant death syndrome (798.0).....	111	10	30	41	21	5	4	-
27. Ill-defined (Rest of 780-799).....	476	83	99	153	76	14	20	31
28. All other diseases.....	2,979	732	559	777	592	130	161	28
ALL EXTERNAL CAUSES.....	4,573	798	901	1,376	854	131	293	220
29. Total accidents (E800-E949).....	1,571	235	265	447	371	59	118	76
Accidental drug poisoning**.....	59	14	15	12	5	2	4	7
Motor vehicle accidents (E810-E825).....	631	72	103	181	158	33	56	28
Home accidents.....	511	98	77	150	148	14	16	8
30. Suicide and self inflicted injuries (E950-E959).....	649	177	100	129	146	32	43	22
31. Homicide (E960-E975, E990-E999).....	2,209	365	509	758	318	37	123	99
32. Injury undetermined whether accidentally or purposely inflicted (E980-E989).....	144	20	26	40	17	2	9	30

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

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

Table 4.

**Chief Causes of Death in Specified Age Groups by Sex
New York City, 1991**

Males			Females	
Deaths	Percent		Deaths	Percent
ALL AGES				
12,733	33.6	Heart Diseases	15,313	44.3
7,623	20.1	Malignant Neoplasms	7,632	22.1
4,060	10.7	Acquired Immunodeficiency Syndrome (AIDS)	959	2.8
1,484	3.9	Pneumonia and Influenza	1,688	4.9
1,010	2.7	Cerebrovascular Disease	1,546	4.5
1,893	5.0	Homicide	316	0.9
793	2.1	Chronic Obstructive Pulmonary Disease	767	2.2
973	2.6	Accidents Except Drug Poisoning	539	1.6
458	1.2	Diabetes Mellitus	540	1.6
657	1.7	Chronic Liver Disease and Cirrhosis	301	0.9
6,191	16.3	All Other Causes	4,945	14.3
37,875	100.0	Total	34,546	100.0
UNDER 1 YEAR				
164	19.0	Congenital Anomalies	141	19.8
144	16.7	Other Conditions of the Perinatal Period	95	13.4
91	10.5	Short Gestation and Low Birth Weight	73	10.3
80	9.3	Respiratory Conditions of Newborn	67	9.4
80	9.3	Respiratory Distress Syndrome	56	7.9
65	7.5	Sudden Infant Death Syndrome	46	6.5
18	2.1	Infections specific to the Perinatal Period	15	2.1
19	2.2	Maternal Conditions	11	1.5
16	1.9	Perinatal Disorders of Digestive System	14	2.0
12	1.4	Pneumonia and Influenza	16	2.3
175	20.3	All Other Causes	177	24.9
864	100.0	Total	711	100.0
1 TO 14 YEARS				
69	24.6	Accidents Except Drug Poisoning	33	14.2
32	11.4	Acquired Immunodeficiency Syndrome (AIDS)	36	15.5
39	13.9	Malignant Neoplasms	26	11.2
22	7.8	Congenital Anomalies	34	14.7
25	8.9	Homicide	16	6.9
14	5.0	Diseases of Nervous System	15	6.5
9	3.2	Heart Diseases	8	3.4
9	3.2	Chronic Obstructive Pulmonary Disease	7	3.0
7	2.5	Other HIV Infections	6	2.6
6	2.1	Benign and Unspecified Neoplasms	5	2.2
49	17.4	All Other Causes	46	19.8
281	100.0	Total	232	100.0
15 TO 24 YEARS				
676	60.7	Homicide	68	22.2
144	12.9	Accidents Except Drug Poisoning	49	16.0
45	4.0	Malignant Neoplasms	37	12.1
61	5.5	Suicide	11	3.6
31	2.8	Acquired Immunodeficiency Syndrome (AIDS)	30	9.8
23	2.1	Heart Diseases	15	4.9
29	2.6	Drug Dependence and Accidental Drug Poisoning	9	2.9
16	1.4	Injury Undetermined	0	0.0
11	1.0	Diseases of Nervous System	4	1.3
8	0.7	Congenital Anomalies	6	2.0
69	6.2	All Other Causes	77	25.2
1,113	100.0	Total	306	100.0
25 TO 34 YEARS				
1,005	36.0	Acquired Immunodeficiency Syndrome (AIDS)	321	31.9
625	22.4	Homicide	107	10.6
205	7.4	Drug Dependence and Accidental Drug Poisoning	59	5.9
134	4.8	Malignant Neoplasms	110	10.9
172	6.2	Accidents Except Drug Poisoning	47	4.7
123	4.4	Suicide	35	3.5
85	3.0	Heart Diseases	48	4.8
46	1.6	Pneumonia and Influenza	35	3.5
36	1.3	Other HIV Infections	16	1.6
24	0.9	Cerebrovascular Disease	16	1.6
334	12.0	All Other Causes	211	21.0
2,789	100.0	Total	1,005	100.0

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

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
1,943	42.4	Acquired Immunodeficiency Syndrome (AIDS)		389	23.5
312	6.8	Malignant Neoplasms		380	23.0
342	7.5	Heart Diseases		164	9.9
273	6.0	Drug Dependence and Accidental Drug Poisoning		106	6.4
315	6.9	Homicide		57	3.4
161	3.5	Chronic Liver Disease and Cirrhosis		45	2.7
169	3.7	Accidents Except Drug Poisoning		32	1.9
111	2.4	Pneumonia and Influenza		45	2.7
98	2.1	Suicide		35	2.1
94	2.1	Alcohol Dependence		26	1.6
762	16.6	All Other Causes		374	22.6
4,580	100.0	Total		1,653	100.0
		45 TO 54 YEARS			
711	19.4	Malignant Neoplasms		729	38.3
807	22.1	Heart Diseases		361	19.0
730	20.0	Acquired Immunodeficiency Syndrome (AIDS)		123	6.5
167	4.6	Chronic Liver Disease and Cirrhosis		54	2.8
115	3.1	Cerebrovascular Disease		95	5.0
101	2.8	Pneumonia and Influenza		56	2.9
137	3.7	Homicide		16	0.8
93	2.5	Accidents Except Drug Poisoning		46	2.4
115	3.1	Alcohol Dependence		20	1.1
89	2.4	Drug Dependence and Accidental Drug Poisoning		28	1.5
593	16.2	All Other Causes		375	19.7
3,658	100.0	Total		1,903	100.0
		55 TO 64 YEARS			
1,785	35.8	Heart Diseases		1,132	33.3
1,530	30.7	Malignant Neoplasms		1,336	39.3
165	3.3	Cerebrovascular Disease		141	4.1
247	5.0	Acquired Immunodeficiency Syndrome (AIDS)		38	1.1
134	2.7	Pneumonia and Influenza		72	2.1
137	2.8	Chronic Liver Disease and Cirrhosis		65	1.9
105	2.1	Chronic Obstructive Pulmonary Disease		93	2.7
92	1.8	Diabetes Mellitus		74	2.2
90	1.8	Accidents Except Drug Poisoning		42	1.2
77	1.5	Alcohol Dependence		25	0.7
619	12.4	All Other Causes		383	11.3
4,981	100.0	Total		3,401	100.0
		65 TO 74 YEARS			
3,074	42.2	Heart Diseases		2,491	39.6
2,301	31.6	Malignant Neoplasms		2,139	34.0
245	3.4	Cerebrovascular Disease		297	4.7
243	3.3	Pneumonia and Influenza		196	3.1
232	3.2	Chronic Obstructive Pulmonary Disease		174	2.8
123	1.7	Diabetes Mellitus		161	2.6
119	1.6	Chronic Liver Disease and Cirrhosis		73	1.2
89	1.2	Accidents Except Drug Poisoning		64	1.0
51	0.7	Hypertensive Disease		66	1.0
46	0.6	Nephritis and Nephrosis		44	0.7
760	10.4	All Other Causes		588	9.3
7,283	100.0	Total		6,293	100.0
		75 TO 84 YEARS			
3,851	50.4	Heart Diseases		4,855	52.4
1,847	24.2	Malignant Neoplasms		1,964	21.2
438	5.7	Pneumonia and Influenza		442	4.8
253	3.3	Cerebrovascular Disease		472	5.1
251	3.3	Chronic Obstructive Pulmonary Disease		243	2.6
90	1.2	Diabetes Mellitus		145	1.6
75	1.0	Accidents Except Drug Poisoning		113	1.2
56	0.7	Septicemia		83	0.9
64	0.8	Diseases of Nervous System		66	0.7
42	0.6	Hypertensive Disease		81	0.9
668	8.7	All Other Causes		796	8.6
7,635	100.0	Total		9,260	100.0
		85 AND OVER			
2,753	58.7	Heart Diseases		6,231	63.7
699	14.9	Malignant Neoplasms		911	9.3
388	8.3	Pneumonia and Influenza		815	8.3
144	3.1	Cerebrovascular Disease		453	4.6
116	2.5	Chronic Obstructive Pulmonary Disease		165	1.7
64	1.4	Accidents Except Drug Poisoning		107	1.1
46	1.0	Diabetes Mellitus		106	1.1
44	0.9	Atherosclerosis		86	0.9
30	0.6	Hypertensive Disease		77	0.8
40	0.9	Nephritis and Nephrosis		62	0.6
367	7.8	All Other Causes		769	7.9
4,691	100.0	Total		9,782	100.0

Table 5.

Death and Death Rates per 100,000 Population from Selected Causes by Health Center District of Residence, New York City, 1991

Health Center District	Population April 1, 1990	All Causes		Heart Diseases		Malignant Neoplasms		AIDS		Pneumonia and Influenza		Cerebro-vascular Disease		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		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	72421*	9.9	28,046	383.0	15,255	208.3	5,019	68.5	3,172	43.3	2,556	34.9	1,560	21.3	958	13.1	998	13.6	840	11.5	1,512	20.6	649	8.9	2,209	30.2
MANHATTAN.....	1,487,536	14,428	9.7	4,455	299.5	3,061	205.8	1,795	120.7	721	48.5	552	37.1	323	21.7	221	14.9	197	13.2	199	13.4	221	14.9	177	11.9	365	24.5	20	1.3
Central Harlem.....	115,483	1,985	17.2	553	478.9	380	329.1	180	155.9	91	78.8	80	69.3	38	32.9	36	31.2	46	39.8	50	43.3	44	38.1	8	6.9	74	64.1	3	2.6
East Harlem.....	127,258	1,368	10.7	377	296.2	231	181.5	182	143.0	70	55.0	47	36.9	37	29.1	29	22.8	18	14.1	32	25.1	19	14.9	17	13.4	60	47.1	2	1.6
Kips Bay-Yorkville.....	235,583	1,880	8.0	732	310.7	486	206.3	119	50.5	100	42.4	72	30.6	40	17.0	24	10.2	10	4.2	3	1.3	25	10.6	37	15.7	8	3.4	2	0.8
Lower East Side.....	239,489	2,240	9.4	682	284.8	525	219.2	302	126.1	107	44.7	90	37.6	55	23.0	31	12.9	26	10.9	37	15.4	33	13.8	27	11.3	33	13.8	2	0.8
Lower West Side.....	294,275	2,768	9.4	775	263.4	589	200.2	576	195.7	135	45.9	82	27.9	63	21.4	41	13.9	39	13.3	26	8.8	40	13.6	41	13.9	28	9.5	5	1.7
Riverside.....	208,936	1,973	9.4	635	303.9	407	194.8	271	129.7	101	48.3	73	34.9	46	22.0	29	13.9	29	13.9	19	9.1	27	12.9	25	12.0	26	12.4	5	2.4
Washington Heights.....	266,512	2,214	8.3	701	263.0	443	166.2	165	61.9	117	43.9	108	40.5	44	16.5	31	11.6	29	10.9	32	12.0	33	12.4	22	8.3	136	51.0	1	0.4
BRONX.....	1,203,789	11,752	9.8	4,189	348.0	2,126	176.6	894	74.3	660	54.8	393	32.6	246	20.4	213	17.7	203	16.9	173	14.4	250	20.8	100	8.3	509	42.3	26	2.2
Fordham-Riverdale.....	245,226	2,533	10.3	1,094	446.1	462	188.4	115	46.9	171	69.7	81	33	63	25.7	30	12.2	33	13.5	23	9.4	53	21.6	23	9.4	65	26.5	5	2.0
Morrisania.....	144,743	1,430	9.9	378	261.2	205	141.6	156	107.8	75	51.8	48	33.2	33	22.8	33	22.8	28	19.3	42	29.0	40	27.6	12	8.3	101	69.8	3	2.1
Mott Haven.....	129,817	1,122	8.6	262	201.8	153	117.9	153	117.9	52	40.1	40	30.8	21	16.2	26	20.0	32	24.7	36	27.7	26	20.0	8	6.2	101	77.8	5	3.9
Pelham Bay.....	218,114	2,572	11.8	1,077	493.8	509	233.4	93	42.6	181	83.0	86	39.4	50	22.9	29	13.3	42	19.3	10	4.6	50	22.9	13	6.0	51	23.4	-	-
Tremont.....	190,532	1,332	7.0	311	163.2	202	106.0	201	105.5	50	26.2	41	21.5	18	9.4	38	19.9	28	14.7	28	14.7	29	15.2	18	9.4	112	58.8	2	1.0
Westchester.....	275,357	2,763	10.0	1,067	387.5	595	216.1	176	63.9	131	47.6	97	35.2	61	22.2	57	20.7	40	14.5	34	12.3	52	18.9	26	9.4	79	28.7	11	4.0
BROOKLYN.....	2,300,664	20,982	9.1	8,614	374.4	4,047	175.9	1,281	55.7	853	37.1	780	33.9	449	19.5	271	11.8	318	13.8	205	8.9	435	18.9	129	5.6	758	12.9	40	1.7
Bay Ridge.....	238,428	2,582	10.8	1,360	570.4	574	240.7	53	22.2	82	34.4	61	25.6	62	26.0	17	7.1	22	9.2	6	2.5	43	18.0	21	8.8	35	14.7	5	2.1
Bedford.....	232,911	2,155	9.3	623	267.5	386	165.7	194	83.3	77	33.1	126	54.1	41	17.6	39	16.7	46	19.8	28	12.0	41	17.6	8	3.4	144	61.8	8	1.4
Brownsville.....	278,444	2,299	8.3	802	288.0	409	146.9	172	61.8	92	33.0	95	34.1	39	14.0	45	16.2	51	18.3	35	12.6	59	21.2	10	3.6	136	48.8	5	1.8
Bushwick.....	182,574	1,451	7.9	440	241.0	201	110.1	149	81.6	51	27.9	69	37.8	29	15.9	26	14.2	18	9.9	27	14.8	37	20.3	6	3.3	116	63.5	2	1.1
Flatbush.....	502,102	3,916	7.8	1,686	335.8	828	164.9	159	31.7	155	30.9	136	27.1	85	16.9	37	7.4	50	10.0	28	5.6	83	16.5	30	6.0	124	24.7	8	1.6
Fort Greene.....	150,219	1,588	10.6	507	337.5	249	165.8	196	130.5	72	47.9	63	41.9	27	18.0	24	16.0	34	22.6	13	8.7	41	27.3	11	7.3	85	56.6	2	1.1
Gravesend.....	284,040	3,427	12.1	1,737	611.5	752	264.8	81	28.5	172	60.6	103	36.3	69	24.3	23	8.1	41	14.4	20	7.0	56	19.7	21	7.4	32	11.3	4	1.4
Red Hook-Gowanus.....	105,661	939	8.9	344	325.6	150	142.0	115	108.8	46	43.5	33	31.2	31	29.3	14	13.2	16	15.1	14	13.2	18	17.0	7	6.6	27	25.6	-	-
Sunset Park.....	170,313	1,369	8.0	646	379.3	258	151.5	67	39.3	49	28.8	40	23.5	30	17.6	20	11.7	20	11.7	20	11.7	28	16.4	6	3.5	26	15.3	3	1.8
Williamsburg-Greenpoint.....	155,972	1,256	8.1	469	300.7	240	153.9	95	60.9	57	36.5	54	34.6	36	23.1	26	16.7	20	12.8	14	9.0	29	18.6	9	5.8	33	21.2	3	1.9
QUEENS.....	1,951,598	16,811	8.6	7,817	400.5	3,717	190.5	602	30.8	630	32.3	583	29.9	362	18.5	159	8.1	191	9.8	121	6.2	366	18.8	146	7.5	318	16.3	17	0.9
Astoria.....	236,369	1,945	8.2	871	368.5	443	187.4	85	36.0	73	30.9	67	28.3	54	22.8	30	12.7	18	7.6	14	5.9	39	16.5	18	7.6	20	8.5	1	0.4
Corona.....	291,005	2,020	6.9	788	270.8	447	153.6	115	39.5	80	27.5	86	29.6	45	15.5	27	9.3	11	3.8	11	3.8	52	17.9	26	8.9	58	19.9	2	0.7
Flushing.....	456,393	3,755	8.2	1,904	417.2	891	195.2	69	15.1	130	28.5	112	24.5	68	14.9	30	6.6	38	8.3	21	4.6	59	12.9	36	7.9	49	10.7	3	0.7
Jamaica East.....	337,312	2,729	8.1	1,060	314.2	571	169.3	155	46.0	107	31.7	120	35.6	59	17.5	17	5.0	54	16.0	35	10.4	77	22.8	16	4.7	100	29.6	4	1.2
Jamaica West.....	361,199	3,503	9.7	1,802	498.9	694	192.1	103	28.5	140	38.8	83	23	72	19.9	31	8.6	38	10.5	23	6.4	91	25.2	22	6.1	64	17.7	6	1.7
Maspeth-Forest Hills.....	269,320	2,859	10.6	1,392	516.9	671	249.1	75	27.8	100	37.1	115	42.7	64	23.8	24	8.9	32	11.9	17	6.3	48	17.8	28	10.4	27	10.0	1	0.4
RICHMOND.....	378,977	3,203	8.5	1,408	371.8	751	198.2	121	31.9	151	39.8	116	30.6	120	31.7	28	7.4	48	12.7	19	5.0	57	15.0	32	8.4	37	10.0	2	0.5
NON-RESIDENTS.....	-	4,253	-	1,321	-	1,457	-	201	-	111	-	119	-	48	-	47	-	34	-	73	-	114	-	43	-	123	-	9	-
RESIDENCE UNKNOWN.....	-	992	-	242	-	96	-	125	-	46	-	13	-	12	-	19	-	7	-	50	-	69	-	22	-	99	-	30	-

*Deaths include events to non-residents.

Table 6.

**Deaths by Place of Death
New York City, 1985-1991**

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

Table 7.

**Deaths by Ancestry and Borough of Residence
New York City, 1991**

Ancestry	Borough of Residence						Non-Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican	4,233	1,090	1,670	1,023	287	52	82	29
Dominican	718	336	184	85	96	3	14	-
Colombian	182	20	7	19	122	-	13	1
Ecuadorian	151	31	27	24	63	1	5	-
Mexican	92	26	18	19	23	4	1	1
Cuban	412	165	62	60	95	7	17	6
Other Hispanic	2,654	567	726	660	454	40	97	110
African-American	15,353	3,703	3,075	5,257	2,545	190	426	157
American	13,768	2,897	1,737	3,213	3,453	1,198	1,240	30
Guyanese	206	7	19	99	76	-	5	-
Haitian	387	19	5	246	105	2	9	1
Jamaican	288	13	66	155	40	3	11	-
Trinidadian	95	3	6	65	15	2	4	-
All Other North, Central and South American	711	83	140	284	143	22	35	4
English	329	82	35	58	88	26	39	1
German	1,590	324	173	170	744	83	93	3
Irish	2,276	314	401	426	790	185	155	5
Italian	6,093	426	950	2,017	1,688	647	352	13
Polish	1,635	210	213	625	468	51	65	3
Russian	1,560	196	228	724	344	21	43	4
Other European	1,887	397	249	461	596	89	93	2
Chinese	826	380	26	160	220	15	22	3
Asian Indian	188	13	20	23	102	9	20	1
Korean	102	9	3	9	70	6	5	-
Filipino	116	23	4	14	50	13	12	-
Other Asian	1,060	119	72	523	259	10	72	5
Other & Not Stated	15,509	2,975	1,636	4,563	3,875	524	1,323	613
Total	72,421	14,428	11,752	20,982	16,811	3,203	4,253	992

DEATHS DUE TO EXTERNAL CAUSES BY AGE, NEW YORK CITY, 1991

Table 8. Accidents

Type	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	1,571	59	26	31	84	113	237	224	146	137	155	359
Work	37	-	-	-	1	2	13	10	7	3	1	-
Accidental drug poisoning	59	-	-	-	1	3	18	23	7	5	2	-
Firearms	7	1	1	-	2	3	-	-	-	-	-	-
Home												
Poisoning (gas excepted)	8	-	-	-	-	-	-	1	4	1	-	2
Poisoning by gas and vapors	6	1	-	-	-	-	1	1	-	2	1	-
Falls	298	9	1	1	1	9	11	21	17	22	34	172
Fire and flames	131	21	11	4	5	2	15	12	12	9	18	22
Drowning	8	3	-	-	-	-	1	1	1	1	-	1
Suffocation	29	7	-	1	-	1	4	2	-	2	4	8
Other home accidents	31	6	-	1	-	-	1	5	5	2	5	6
Motor Vehicle												
Injury to pedestrian	312	5	9	10	13	9	43	36	27	35	44	81
Collision with other motor vehicle	107	2	-	1	13	24	25	10	7	14	7	4
Collision with fixed object	64	-	-	-	16	14	11	8	5	3	3	4
Non-collision	6	1	1	-	-	-	1	2	1	-	-	-
Other motor vehicle accident	142	1	2	3	20	30	29	22	12	7	10	6
Public Place												
Railroad and subway	57	1	-	4	4	2	20	17	3	6	-	-
Falls	129	-	-	1	1	5	16	19	16	13	14	44
Fire and flames	12	-	-	1	-	1	4	3	1	-	1	1
Drowning	29	-	-	2	-	1	11	6	5	3	1	-
Other	89	1	1	2	7	6	11	21	15	9	9	7
Late effects of accidents	10	-	-	-	-	1	2	4	1	-	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+
Total	649	1	-	1	16	56	158	133	96	70	58	60
Poisoning by solid or liquid substances	111	-	-	-	2	2	20	35	17	21	3	11
Poisoning by gases and vapors	8	-	-	-	1	-	2	4	-	-	-	1
Hanging, strangulation and suffocation	147	-	-	1	3	11	43	21	24	15	14	15
Submersion (drowning)	22	-	-	-	-	1	5	4	5	4	1	2
Firearms and explosives	124	-	-	-	6	20	21	21	23	13	11	9
Cutting and piercing instruments	19	-	-	-	-	2	2	4	5	4	1	1
Jumping before moving object	28	-	-	-	-	5	13	6	1	1	1	1
Jumping from high place	178	1	-	-	4	15	45	38	20	12	24	19
Other and unspecified means	12	-	-	-	-	-	7	-	1	-	3	1

Table 10. Homicide

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	2,209	39	4	16	306	438	732	372	153	61	55	33
Poisoning	0	-	-	-	-	-	-	-	-	-	-	-
Hanging and strangulation	75	2	-	1	6	11	24	11	1	5	7	7
Submersion (drowning)	7	5	-	-	-	-	1	-	1	-	-	-
Firearms and explosives	1,674	3	-	11	265	373	579	269	111	37	22	4
Cutting and piercing	268	1	1	2	25	43	96	50	23	8	10	9
Child battering	23	22	1	-	-	-	-	-	-	-	-	-
Fire and flames	17	-	-	1	2	-	3	6	-	1	2	2
Pushing from high place	7	-	1	-	-	-	2	-	-	-	2	-
Striking with object	76	3	1	-	3	5	18	18	13	5	5	5
Fight, brawl, or rape	1	-	-	-	-	-	-	1	-	-	-	-
Late effects	2	-	-	-	-	-	-	1	-	1	-	-
Legal intervention	12	-	-	-	4	3	3	2	-	-	-	-
Other and unspecified means	47	3	-	1	1	3	6	12	4	4	7	6

Table 11. Other Injury, Undetermined Whether Accidentally or Purposely Inflicted

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	144	7	1	1	5	11	26	43	21	6	15	8
Fire and flames	5	-	-	-	-	-	-	2	1	-	1	1
Poisoning by solid or liquid substances	25	-	-	1	-	1	9	3	6	-	2	3
Poisoning by gases and vapors	1	-	-	-	-	-	-	-	1	-	-	-
Hanging, strangulation or suffocation	2	-	-	-	1	-	-	1	-	-	-	-
Submersion (drowning)	26	2	-	-	-	2	4	11	5	-	2	-
Firearms and explosives	8	-	-	-	1	2	1	2	1	-	1	-
Falling from high places	8	-	-	-	-	-	2	4	1	-	1	-
Other and unspecified means	69	5	1	-	3	6	10	20	6	6	8	4

Table 12.

Deaths from AIDS by Age, Sex and Ethnic Group, New York City, 1983-1991

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

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

Table 13. Characteristics of Decedents With Selected Causes of Death, New York City, 1991

Cause of Death	Total	Percent of Total Deaths with Specified Characteristic								
		Ethnic Group						Male	Never Married	Age Under 20
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other & Unknown			
All Causes.....	72,421	5.8	5.8	3.2	54.5	24.3	6.4	52.3	24.9	3.6
AIDS.....	5,019	15.1	11.1	0.6	28.2	36.9	8.1	80.9	66.3	1.8
Chronic Liver Disease & Cirrhosis.....	958	16.4	11.2	2.2	34.9	28.9	6.5	68.6	27.8	0.1
Drug Dependence and Accidental Drug Poisoning.....	840	12.6	12.9	1.0	29.0	43.1	1.4	75.2	52.3	0.5
Motor Vehicle Accidents.....	631	6.8	14.4	3.6	44.2	28.4	2.5	66.7	46.3	15.4
Other Accidents.....	881	5.2	10.4	2.7	46.2	33.4	2.0	62.7	38.5	11.6
Suicide.....	649	6.9	11.7	5.7	55.6	17.1	2.9	76.0	43.5	2.8
Homicide.....	2,209	9.1	24.4	2.9	13.4	48.4	1.9	85.7	64.1	16.5
Injury Undetermined.....	144	6.3	13.2	3.5	37.5	33.3	6.3	75.0	42.4	9.7
All Other Causes.....	61,090	4.7	4.3	3.4	59.1	22.0	6.6	47.6	19.0	3.1

**Table 14. Life Expectancy at Specified Ages by Sex and Race
New York City and the United States, 1980 and 1990**

		Male											
		New York City						United States					
Exact Age		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	70.7	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

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

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

Table 15.

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

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

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

Table 16.

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

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

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

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

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

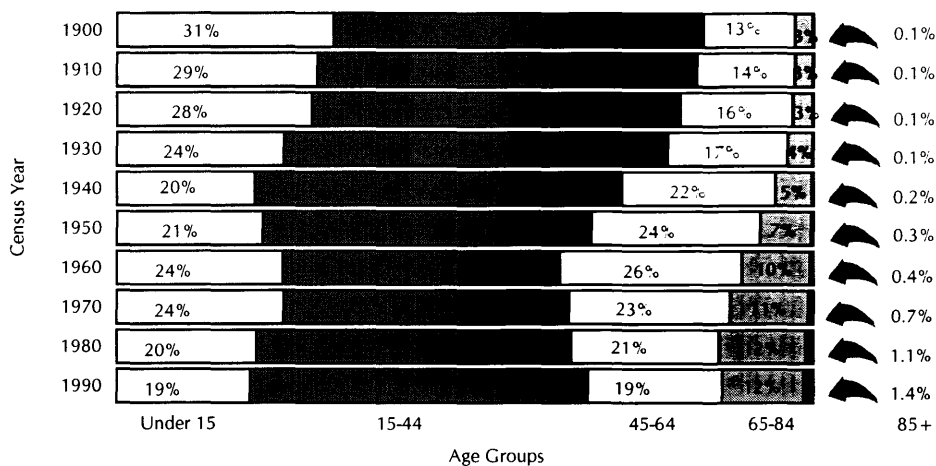


Figure 1. Changes in Age Composition of the Population New York City, 1900-1990

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

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

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

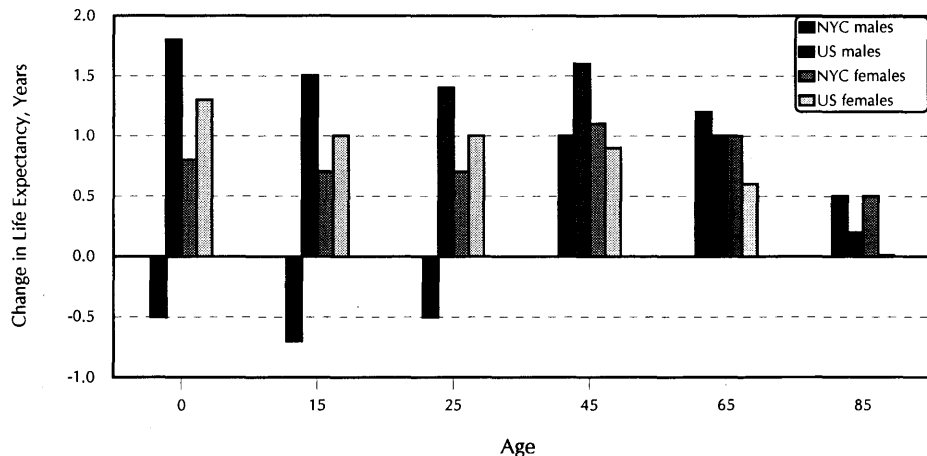
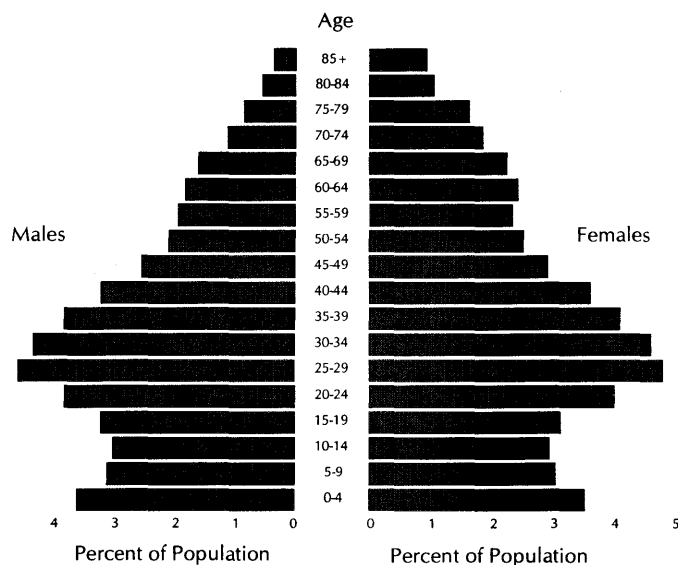


Figure 3. Changes in Life Expectancy at Selected Ages by Sex, 1980 and 1990 New York City and United States

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

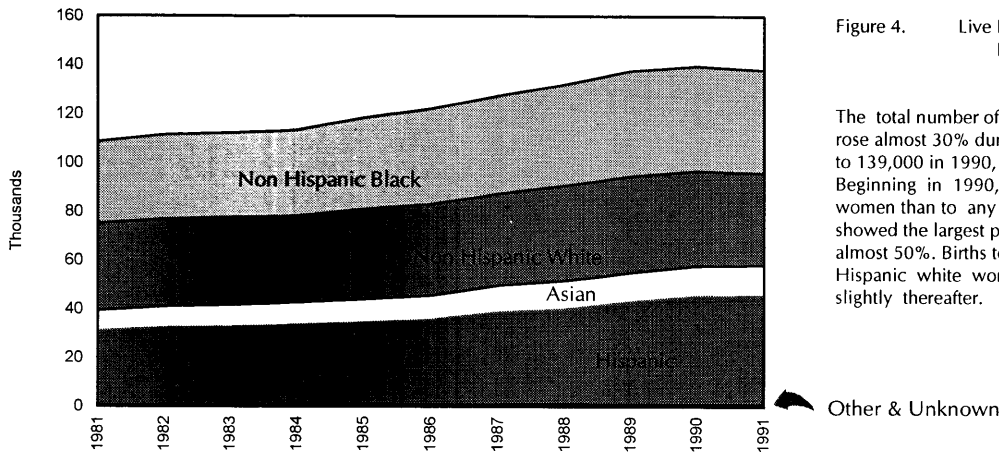


Figure 4. Live Births by Mother's Ethnic Group
New York City, 1981-1991

The total number of live births registered in New York City rose almost 30% during the 1980's from 108,000 in 1981 to 139,000 in 1990, and declined 1% in 1991 to 138,000. 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 1991, almost 50%. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989, and declined slightly thereafter.

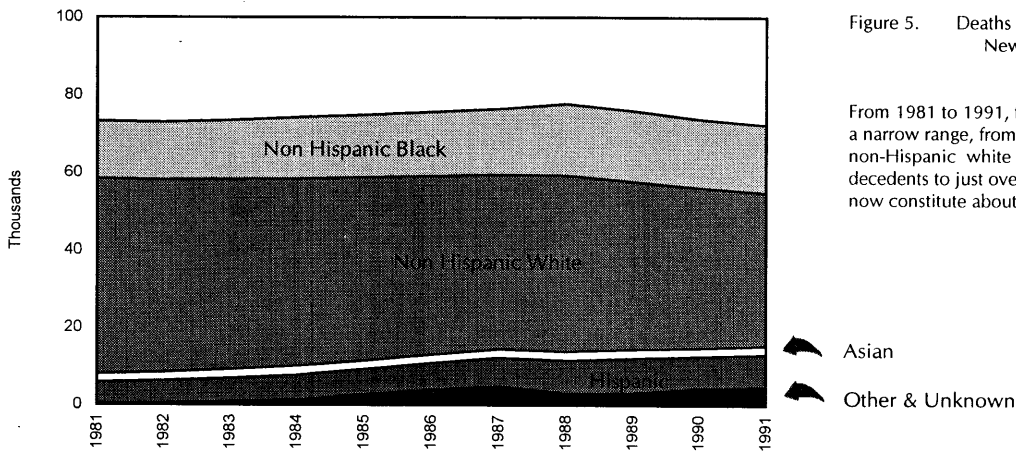


Figure 5. Deaths by Ethnic Group of Decedent
New York City, 1981-1991

From 1981 to 1991, the annual number of deaths varied within a narrow range, from 73,000 to under 78,000. The number of non-Hispanic white decedents declined from two-thirds of all decedents to just over half. Deaths among non-Hispanic blacks now constitute about one-quarter of New York City deaths.

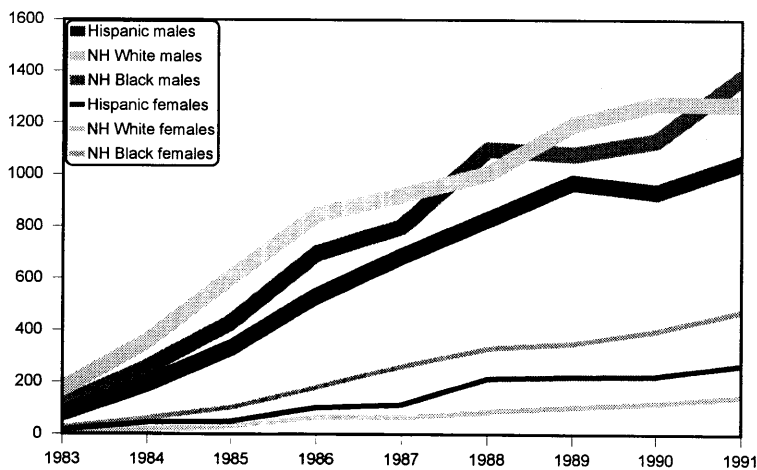


Figure 6. Deaths Due to AIDS by Sex and Selected Ethnic Group
New York City, 1983-1991

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

Table 17.

Deaths and Death Rates per 100,000 Population from

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

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

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

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

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

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

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

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

(6) Data for 1982-1985.

(7) Rate less than 0.05.

Selected Causes, New York City, 1901-1991

AVERAGE

1949-1951	1952-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986	1987	1988	1989	1990	1991
3,882	4,021	4,290	4,333	3,477	2,312	1,875	1,624	1,566	1,673	1,770	1,827	1,620	1,575
24.5	24.6	25.7	26.2	23.6	19.9	17.4	14.4	12.8	13.1	13.4	13.3	11.6	11.4
2,989	3,032	3,220	3,226	2,602	1,714	1,333	1,097	1,078	1,139	1,232	1,253	1,091	1,089
18.9	18.5	19.3	19.5	17.7	14.8	12.3	9.7	8.8	8.9	9.3	9.1	7.8	7.9
2,604	2,713	2,909	2,922	2,351	1,480	1,131	927	909	977	1,027	1,039	908	896
16.4	16.6	17.4	17.7	16.0	12.8	10.5	8.2	7.4	7.7	7.8	7.5	6.5	6.5
2,441	2,310	2,362	2,276	1,885	1,288	835	719	643	741	689	721	696	648
15.4	14.1	14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.8	5.2	5.2	5.0	4.7
31.3	30.2	31.1	31.0	28.4	23.6	18.1	14.5	12.7	13.4	10.0	12.7	11.4	11.1
115	102	107	109	73	36	28	33	29	28	26	29	35	24
7.3	6.2	6.4	6.6	5.0	3.1	2.6	2.9	2.4	2.2	2.0	2.1	2.5	0.3
2,173	1,178	824	624	432	235	141	125	160	154	200	173	182	197
27.4	15.0	10.6	8.0	5.5	3.1	2.0	1.7	2.2	2.1	2.8	2.4	2.5	2.7
174	97	52	43	39	32	22	35	26	65	46	63	74	57
2.2	1.2	0.7	0.6	0.5	0.4	0.3	0.5	0.4	0.9	0.6	0.9	1.0	0.8
**	**	**	**	**	**	**	768 ⁽⁶⁾	2,650	3,159	3,739	4,193	4,479	5,019
10	12	12	8	2	1	0	10.7	36.7	43.6	51.4	57.5	61.2	68.5
1.4	1.8	1.8	1.1	0.2	0.2	-	0	0	0	0	0	3	6
15,556	16,553	16,869	17,398	17,814	17,315	16,549	15,889	15,861	15,822	15,655	15,208	15,513	15,255
196.0	210.6	216.1	222.1	226.3	226.3	228.7	222.3	219.6	218.3	215.3	208.4	211.9	208.3
847	1,021	1,157	1,294	1,890	2,434	2,387	2,217	2,126	2,266	2,281	2,150	2,184	2,138
22.2	27.0	30.9	34.8	51.0	68.1	71.0	66.7	63.0	66.9	67.0	62.8	63.5	62.2
179	228	261	303	474	777	970	1,169	1,289	1,313	1,275	1,318	1,378	1,403
4.4	5.6	6.4	7.4	11.4	19.1	25.0	30.6	33.5	34.0	33.0	34.0	35.5	36.1
1,476	1,517	1,573	1,694	1,787	1,723	1,622	1,533	1,526	1,499	1,581	1,545	1,532	1,496
36.4	37.3	38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	40.9	39.9	39.4	38.5
1,583	1,644	1,581	1,789	1,867	2,064	1,547	1,436	1,370	1,332	1,302	997	991	998
19.9	20.9	20.3	22.9	23.7	27.0	21.4	20.1	19.0	18.4	17.9	13.7	13.5	13.6
36,206	37,724	38,988	39,943	41,981	40,639	37,978	37,818	35,246	33,967	33,793	32,665	31,966	31,971
456.3	479.9	499.5	510.2	532.4	531.1	524.8	529.1	488.0	468.7	464.7	447.6	436.5	436.6
5,099	5,688	6,013	6,174	6,277	5,433	4,174	3,194	3,230	2,946	2,856	2,893	2,709	2,556
64.3	72.4	77.0	78.9	79.7	71.0	57.7	44.7	44.7	40.7	39.3	39.6	37.0	34.9
2,469	2,664	3,459	3,394	3,562	3,164	3,000	2,740	3,257	3,175	3,327	3,397	3,612	3,172
31.2	33.9	44.3	43.4	45.2	41.4	41.5	38.3	45.1	43.8	45.8	46.6	49.3	43.3
450	461	651	960	1,425	1,627	1,583	1,941	2,525	2,513	2,548	2,541	2,408	2,087
5.7	5.9	8.3	12.3	18.1	21.3	21.9	27.2	35.0	34.7	35.0	34.8	32.9	28.5
1,500	1,440	1,858	2,386	2,936	2,440	2,185	1,789	1,532	1,432	1,377	1,086	1,016	958
19.2	18.3	23.8	30.5	37.3	31.9	30.2	25.0	21.2	19.8	18.9	14.9	13.9	13.1
570	556	573	509	447	372	381	383	689	791	931	970	699	450
7.2	7.1	7.3	6.5	5.7	4.9	5.3	5.4	9.5	10.9	12.8	13.3	9.5	6.1
**	81	96	263	551	677	414	573	767	956	1,208	591	413	722
**	1.0	1.2	3.4	7.0	8.8	5.7	8.0	10.6	13.2	16.6	8.1	5.6	9.9
**	**	**	**	**	**	**	1	0	0	2	429	282	59
600	634	655	714	887	834	606	477	514	622	618	663	704	631
7.6	8.1	8.4	9.1	11.3	10.9	8.4	6.7	7.1	8.6	8.5	9.1	9.6	8.6
1,699	1,568	1,095	951	871	755	525	486	555	485	603	752	552	517
21.4	19.9	14.0	12.1	11.1	9.9	7.3	6.8	7.7	6.7	8.3	10.3	7.5	7.1
2,707	2,450	2,091	1,947	1,730	1,239	926	812	791	677	857	1,151	922	364
34.3	31.2	26.8	24.9	22.0	16.2	12.8	11.4	11.0	9.3	11.8	15.8	12.6	5.0
863	649	711	908	680	641	711	603	593	502	557	703	646	649
10.9	8.3	9.1	11.6	8.6	8.4	9.8	8.4	8.2	6.9	7.7	9.6	8.8	8.9
318	340	366	592	992	1,663	1,700	1,763	1,635	1,691	1,943	1,970	2,272	2,209
4.0	4.3	4.7	7.6	12.6	21.7	23.5	24.7	22.6	23.3	26.7	27.0	31.0	30.2
**	**	**	**	946	1,062	699	696	661	790	727	186	158	144
				10.9	13.9	9.7	9.7	9.2	10.9	10.0	2.5	2.2	2.0

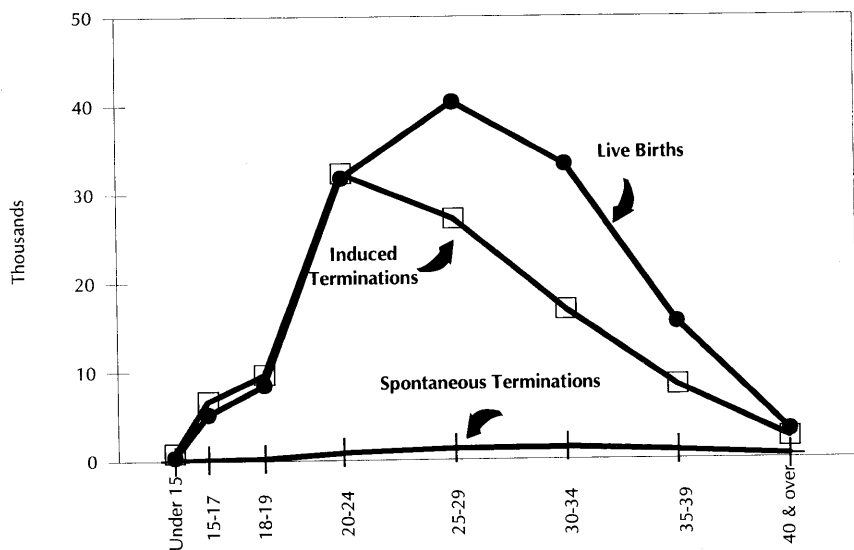


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman
New York City, 1991

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

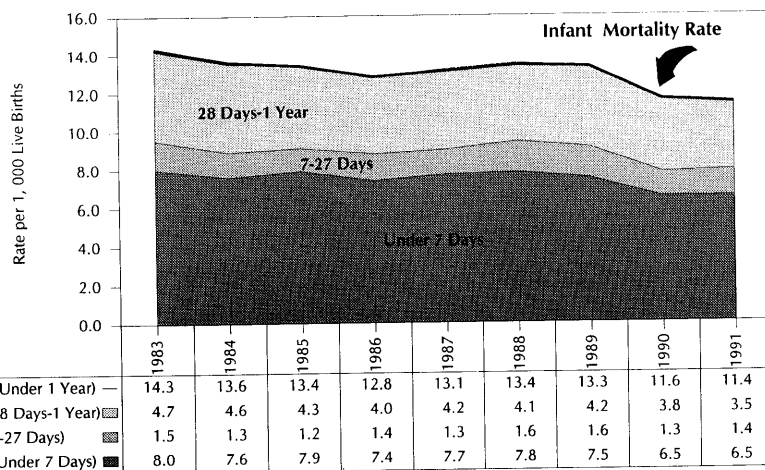


Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates
New York City, 1983-1991

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

Table 18.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 1991**

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	248,636	1,192	11,958	18,281	64,935	68,735	51,463	24,657	5,995	1,420
Live Births	138,148	365	5,186	8,448	31,784	40,348	33,268	15,410	3,225	114
Spontaneous Terminations	5,293	12	123	214	877	1,262	1,357	952	382	114
Induced Terminations	105,195	815	6,649	9,619	32,274	27,125	16,838	8,295	2,388	1,192
MANHATTAN	36,762	187	1,814	2,537	8,755	9,536	8,074	4,479	1,173	207
Live Births	21,793	71	922	1,288	4,281	5,605	5,669	3,167	774	16
Spontaneous Terminations	718	3	19	29	112	167	177	136	61	14
Induced Terminations	14,251	113	873	1,220	4,362	3,764	2,228	1,176	338	177
BRONX	47,719	271	2,937	4,346	14,230	13,259	8,249	3,381	751	295
Live Births	26,023	109	1,476	2,258	7,303	7,553	4,931	1,974	399	20
Spontaneous Terminations	501	1	13	27	116	118	113	69	25	19
Induced Terminations	21,195	161	1,448	2,061	6,811	5,588	3,205	1,338	327	256
BROOKLYN	82,369	444	4,095	6,436	22,620	22,485	15,905	7,970	1,994	420
Live Births	45,192	131	1,833	3,090	11,583	12,981	9,780	4,756	1,008	30
Spontaneous Terminations	2,339	4	62	115	403	567	579	393	180	36
Induced Terminations	34,838	309	2,200	3,231	10,634	8,937	5,546	2,821	806	354
QUEENS	51,154	175	2,033	3,366	13,029	15,070	11,167	4,894	1,165	255
Live Births	29,026	39	772	1,476	6,588	9,349	7,265	2,955	556	26
Spontaneous Terminations	1,062	4	21	33	181	267	282	192	68	14
Induced Terminations	21,066	132	1,240	1,857	6,260	5,454	3,620	1,747	541	215
RICHMOND	9,084	37	283	455	1,919	2,926	2,306	939	195	24
Live Births	6,370	12	126	208	1,164	2,243	1,831	674	108	4
Spontaneous Terminations	338	-	7	9	35	93	104	74	13	3
Induced Terminations	2,376	25	150	238	720	590	371	191	74	17
NON-RESIDENTS	17,181	56	521	774	3,063	4,349	5,042	2,672	613	91
Live Births	9,682	3	55	127	857	2,589	3,782	1,880	378	11
Spontaneous Terminations	263	-	-	1	24	36	89	78	31	4
Induced Terminations	7,236	53	466	646	2,182	1,724	1,171	714	204	76
RESIDENCE UNKNOWN	4,367	22	275	367	1,319	1,110	720	322	104	128
Live Births	62	-	2	1	8	28	10	4	2	7
Spontaneous Terminations	72	-	1	-	6	14	13	10	4	24
Induced Terminations	4,233	22	272	366	1,305	1,068	697	308	98	97

Table 19.

**Spontaneous Terminations of Pregnancy by Gestation and by Age of Woman
New York City, 1991**

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	5,293	12	123	214	877	1,262	1,357	952	382	114	
Under 13	2,187	1	43	78	347	522	546	419	207	24	
13-15	474	-	15	18	78	106	132	95	27	3	
16-19	488	4	9	20	81	111	139	87	33	4	
20-27	768	2	25	31	136	206	199	128	33	8	
28 & Over	648	3	15	41	121	165	160	104	34	5	
Not Stated	728	2	16	26	114	152	181	119	48	70	

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, 1991

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	243,991	89,021	33,787	59,126	55,405	6,652
Live Births	138,148	42,899	22,642	39,358	26,957	6,292
Spontaneous Terminations	648	167	91	249	110	31
Induced Terminations	105,195	45,955	11,054	19,519	28,338	329
MANHATTAN	36,117	33,377	1,151	380	1,194	15
Live Births	21,793	20,858	565	164	192	14
Spontaneous Terminations	73	72	1	-	-	-
Induced Terminations	14,251	12,447	585	216	1,002	1
BRONX	47,330	15,938	29,543	417	1,420	12
Live Births	26,023	5,237	20,431	124	221	10
Spontaneous Terminations	112	26	84	2	-	-
Induced Terminations	21,195	10,675	9,028	291	1,199	2
BROOKLYN	80,300	18,677	242	53,424	7,509	448
Live Births	45,192	6,788	118	36,558	1,290	438
Spontaneous Terminations	270	31	-	232	6	1
Induced Terminations	34,838	11,858	124	16,634	6,213	9
QUEENS	50,219	8,860	405	2,293	38,628	33
Live Births	29,026	4,743	240	1,431	22,579	33
Spontaneous Terminations	127	19	2	7	99	-
Induced Terminations	21,066	4,098	163	855	15,950	-
RICHMOND	8,778	1,695	25	1,067	154	5,837
Live Births	6,370	283	14	524	34	5,515
Spontaneous Terminations	32	2	-	4	-	26
Induced Terminations	2,376	1,410	11	539	120	296
NON-RESIDENTS	16,950	8,808	1,935	964	4,953	290
Live Births	9,682	4,963	1,264	547	2,627	281
Spontaneous Terminations	32	16	4	3	5	4
Induced Terminations	7,236	3,829	667	414	2,321	5
RESIDENCE UNKNOWN	4,297	1,666	486	581	1,547	17
Live Births	62	27	10	10	14	1
Spontaneous Terminations	2	1	-	1	-	-
Induced Terminations	4,233	1,638	476	570	1,533	16

Table 21. Live Births by Ancestry of Mother and Borough of Residence New York City, 1991

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown
Total	138,148	21,793	26,023	45,192	29,026	6,370	9,682	62
Puerto Rican	18,851	2,787	8,152	5,551	1,621	370	367	3
Dominican	11,845	4,409	3,543	1,995	1,730	33	132	4
Colombian	1,990	105	70	200	1,538	19	58	-
Ecuadorian	1,985	235	342	439	902	21	45	1
Mexican	3,431	554	730	1,162	882	63	40	-
Cuban	484	104	83	63	144	21	69	-
Other Hispanic	5,829	657	1,132	1,671	1,974	204	189	2
African-American	26,761	4,262	6,174	10,533	4,588	649	534	21
American	9,001	1,090	547	3,636	1,885	487	1,351	5
Guyanese	2,198	24	303	968	857	5	40	1
Haitian	2,894	139	40	1,932	672	12	99	-
Jamaican	3,459	67	820	1,787	676	16	91	2
Trinidadian	1,343	23	53	946	293	15	13	-
Other North, Central and South American	4,391	411	896	2,109	753	40	180	2
English	1,274	464	76	270	123	62	279	-
German	2,041	455	105	299	436	261	484	1
Irish	4,851	591	449	886	951	928	1,045	1
Italian	7,510	439	571	1,969	1,374	1,945	1,209	3
Polish	1,367	211	40	446	312	110	248	-
Russian	1,752	470	39	607	248	33	355	-
Other European	2,261	700	85	538	345	143	449	1
Chinese	3,927	950	86	1,375	1,196	74	243	3
Asian Indian	1,664	103	144	230	967	76	143	1
Korean	1,391	81	72	116	935	29	158	-
Filipino	1,121	188	94	169	474	73	123	-
Other Asian	4,499	533	268	1,726	1,476	118	377	1
Other and Not Stated	10,028	1,741	1,110	3,569	1,674	563	1,361	10

Figure 9.

**Marriages, Births and Deaths by Month and Average Per Day
New York City, 1991**

MONTH	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS	MARRIAGES	BIRTHS	DEATHS
January	4,630	11,653	6,908	149	376	223
February	4,558	10,511	5,739	163	375	205
March	5,312	11,729	6,201	171	378	200
April	6,075	11,163	5,786	203	372	193
May	6,744	11,555	5,988	218	373	193
June	6,042	11,365	5,733	201	379	191
July	6,629	11,833	6,171	214	382	199
August	7,009	11,945	5,685	226	385	183
September	6,286	11,572	5,542	210	386	185
October	5,815	11,870	6,076	188	383	196
November	5,162	11,275	5,974	172	376	199
December	5,052	11,677	6,618	163	377	213
Total	69,314	138,148	72,421	190	378	198

Figure 10.

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

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

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

Table 22.

**Selected Characteristics of Live Births by Age of Mother
New York City, 1991**

	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	138,148	365	5,186	8,448	31,784	40,348	33,268	15,410	3,225	114
Sex										
Male	70,462	195	2,730	4,215	16,267	20,418	16,972	7,931	1,683	51
Female	67,686	170	2,456	4,233	15,517	19,930	16,296	7,479	1,542	63
Race of Child										
White	80,149	166	2,567	4,367	18,043	23,062	20,134	9,649	2,101	60
Black	46,880	197	2,555	3,907	12,157	13,333	9,455	4,353	880	43
American Indian	93	-	1	8	15	27	23	18	-	1
Chinese	3,972	1	10	23	429	1,479	1,403	533	92	2
Japanese	310	-	-	2	13	86	121	76	12	-
Filipino	974	-	4	7	57	213	451	205	36	1
Other	5,770	1	49	134	1,070	2,148	1,681	576	104	7
Race of Child for Mothers of Hispanic Ancestry Only	44,415	156	2,467	3,823	12,945	12,766	8,091	3,372	754	41
White	39,982	143	2,210	3,438	11,707	11,505	7,261	3,005	675	38
Black	4,161	13	248	367	1,173	1,175	770	339	73	3
American Indian	18	-	-	3	4	3	5	3	-	-
Chinese	48	-	-	-	10	18	14	6	-	-
Japanese	4	-	-	1	1	1	1	-	-	-
Filipino	8	-	-	1	-	6	1	-	-	-
Other	194	-	9	13	50	58	39	19	6	-
Birth Order This Child (Live Births only)										
First	61,513	335	4,454	6,047	16,708	16,893	11,605	4,537	880	54
Second	39,223	28	639	1,883	9,325	12,142	10,015	4,380	783	28
Third	20,421	2	78	411	3,922	6,410	6,103	2,939	544	12
Fourth	8,845	-	11	84	1,254	2,832	2,791	1,523	339	11
Fifth	4,033	-	1	18	409	1,279	1,282	805	237	2
Sixth or more	4,113	-	3	5	166	792	1,472	1,226	442	7
Weight at Delivery										
Under 500 grams	221	3	9	16	53	64	42	28	6	-
500-999 grams	1,022	4	39	64	216	302	258	117	21	1
1000-1499 grams	1,376	4	78	93	297	386	304	174	39	1
1500-1999 grams	2,638	11	134	181	537	726	622	346	80	1
2000-2499 grams	7,954	27	374	567	1,876	2,184	1,828	902	187	9
2500-2999 grams	26,680	97	1,331	1,916	6,505	7,551	5,945	2,722	594	19
3000-3499 grams	52,750	149	2,094	3,528	12,647	15,382	12,253	5,553	1,107	37
3500-3999 grams	34,628	64	952	1,697	7,660	10,455	8,866	4,022	884	28
4000-4499 grams	9,117	5	154	326	1,719	2,750	2,643	1,272	241	7
4500-4999 grams	1,530	1	19	50	234	486	451	231	57	1
5000 grams & over	199	-	1	8	35	58	52	36	9	-
Not stated	33	-	1	2	5	4	4	7	-	10
Plurality										
Single	134,441	357	5,121	8,274	31,012	39,327	32,278	14,824	3,135	113
Twin	3,572	8	65	171	763	993	932	552	87	1
Triplet	126	-	-	3	9	24	53	34	3	-
Quadruplet	9	-	-	-	-	4	5	-	-	-
Place of Birth										
Home	175	-	4	4	22	47	57	29	11	1
Hospital										
Voluntary/Private Service	58,892	34	478	1,004	8,302	18,320	19,276	9,483	1,956	39
Voluntary/General Service	44,519	185	2,692	4,292	13,210	12,356	7,822	3,254	676	32
Municipal	32,911	138	1,928	3,045	9,874	9,171	5,725	2,463	538	29
Maternity Center	343	1	12	19	86	86	88	42	7	2
Other	1,308	7	72	84	290	368	300	139	37	11
Attendant										
Physician	125,218	313	4,340	7,165	27,955	36,853	31,050	14,418	3,028	96
Nurse Midwife	12,789	52	840	1,276	3,784	3,463	2,192	975	196	11
Other	141	-	6	7	45	32	26	17	1	7
Financial Coverage										
Self	10,945	21	375	656	2,624	3,262	2,499	1,219	276	13
Medicaid	65,851	291	4,097	6,538	20,250	17,953	11,097	4,595	986	44
Third Party	48,161	24	358	689	6,166	14,869	16,235	8,109	1,678	33
HMO	9,229	20	215	304	1,796	3,099	2,511	1,075	197	12
Not stated	3,962	9	141	261	948	1,165	926	412	88	12
First Visit for Prenatal Care										
Early (1-6 months)	103,832	179	3,265	5,518	22,456	30,930	26,578	12,295	2,533	78
Late (7-9 months)	10,987	71	770	1,121	3,243	2,856	1,899	824	199	4
No Care	6,963	41	405	635	1,953	1,983	1,276	551	97	22
Not stated	16,366	74	746	1,174	4,132	4,579	3,515	1,740	396	10
Years of Education										
None	127	1	3	9	40	35	19	12	8	-
1-8	8,236	181	622	615	2,065	2,078	1,582	837	248	8
9-12	78,729	130	4,270	6,919	21,964	22,513	15,280	6,261	1,332	60
13 & over	44,597	-	13	516	6,195	13,821	14,910	7,637	1,483	22
Not stated	6,459	53	278	389	1,520	1,901	1,477	663	154	24
Wedlock										
In wedlock	77,593	21	576	1,773	13,631	24,993	23,436	10,878	2,235	50
Out of wedlock	60,555	344	4,610	6,675	18,153	15,355	9,832	4,532	990	64
Birthplace of Mother										
United States other than Puerto Rico	73,388	284	3,780	5,422	17,681	19,697	16,989	7,957	1,541	37
Puerto Rico	5,943	29	337	439	1,588	1,738	1,057	560	190	5
Foreign	58,327	52	1,045	2,546	12,385	18,773	15,136	6,854	1,487	49
Not stated	490	-	24	41	130	140	86	39	7	23

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, 1991**

	Total	Ethnic Group of Mother						Other	Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black			
Total live Births	138,148	18,851	25,564	12,602	37,464	41,486	910	1,271	
Sex									
Male	70,462	9,521	13,074	6,395	19,172	21,142	476	682	
Female	67,686	9,330	12,490	6,207	18,292	20,344	434	589	
Birth Order This Child (Live Births only)									
First	61,513	7,617	11,150	6,377	18,442	16,850	472	605	
Second	39,223	5,263	7,297	3,982	10,884	11,191	253	353	
Third	20,421	3,204	4,376	1,320	4,504	6,720	115	182	
Fourth	8,845	1,567	1,686	443	1,568	3,468	40	73	
Fifth	4,033	697	631	210	764	1,686	19	26	
Sixth or more	4,113	503	424	270	1,302	1,571	11	32	
Weight at Delivery									
Under 500 grams	221	37	24	8	20	126	4	2	
500-999 grams	1,022	124	132	38	136	573	6	13	
1000-1499 grams	1,376	207	181	59	236	660	11	22	
1500-1999 grams	2,638	417	378	123	421	1,235	20	44	
2000-2499 grams	7,954	1,316	1,081	567	1,486	3,341	71	92	
2500-2999 grams	26,680	4,116	4,453	2,687	5,656	9,288	223	257	
3000-3499 grams	52,750	7,223	10,065	5,409	14,034	15,194	358	467	
3500-3999 grams	34,628	4,263	7,036	2,980	11,408	8,499	169	273	
4000-4499 grams	9,117	980	1,869	637	3,385	2,119	45	82	
4500-4999 grams	1,530	146	302	84	598	391	3	6	
5000 grams & over	199	20	40	9	75	54	-	1	
Not stated	33	2	3	1	9	6	-	12	
Plurality									
Single	134,441	18,427	24,977	12,360	36,223	40,324	894	1,236	
Twin	3,572	424	579	220	1,153	1,145	16	35	
Triplet	126	-	8	18	84	16	-	-	
Quadruplet	9	-	-	4	4	1	-	-	
Apgar Score at 5 Minutes									
6 or less	2,097	301	311	93	336	1,021	18	17	
7	1,845	218	309	75	484	733	10	16	
8	6,659	891	1,192	386	1,809	2,299	38	44	
9	82,356	12,107	16,917	7,178	19,195	25,947	449	563	
10	43,667	5,129	6,669	4,796	15,441	10,643	387	602	
Not stated	1,524	205	166	74	199	843	8	29	
Place of Birth									
Home	175	8	16	9	86	54	-	2	
Hospital									
Voluntary/Private Service	58,892	4,000	4,138	7,683	30,514	11,591	403	563	
Voluntary/General Service	44,519	8,425	11,595	2,906	4,117	16,702	329	445	
Municipal	32,911	6,120	9,544	1,927	2,348	12,599	158	215	
Maternity Center	343	68	41	8	132	88	4	2	
Other	1,308	230	230	69	267	452	16	44	
Attendant									
Physician	125,218	15,975	21,752	12,016	35,707	37,686	856	1,226	
Nurse Midwife	12,789	2,866	3,767	577	1,736	3,752	54	37	
Other	141	10	45	9	21	48	-	8	
Financial Coverage									
Self	10,945	961	2,101	1,508	3,322	2,898	74	81	
Medicaid	65,851	13,099	17,969	3,605	5,474	24,855	377	472	
Third Party	48,161	3,263	3,719	6,302	25,901	8,267	326	383	
HMO	9,229	1,105	934	849	1,928	4,202	103	108	
Not stated	3,962	423	841	338	839	1,264	30	227	
First Visit for Prenatal Care									
Early (1-6 months)	103,832	13,216	18,776	9,996	31,205	29,042	705	892	
Late (7-9 months)	10,987	1,715	2,773	1,187	1,455	3,669	73	115	
No Care	6,963	1,198	1,363	306	660	3,344	30	62	
Not stated	16,366	2,722	2,652	1,113	4,144	5,431	102	202	
Wedlock									
In wedlock	77,593	6,600	12,539	11,162	32,642	13,232	690	728	
Out of wedlock	60,555	12,251	13,025	1,440	4,822	28,254	220	543	
Years of Education									
None	127	2	57	33	7	27	1	-	
1-8	8,236	1,168	4,462	828	633	1,066	62	17	
9-12	78,729	13,467	14,902	6,043	15,633	27,363	555	766	
13 & over	44,597	3,511	4,804	4,815	19,898	11,265	227	77	
Not stated	6,459	703	1,339	883	1,293	1,765	65	411	
Birthplace of Mother									
United States other than Puerto Rico	73,388	12,805	2,443	670	30,381	26,390	70	629	
Puerto Rico	5,943	5,805	83	5	29	13	1	7	
Foreign	58,327	188	22,980	11,915	6,986	14,834	834	590	
Not stated	490	53	58	12	68	249	5	45	
Spontaneous Terminations of Pregnancy 28 Weeks & Over									
Total	648	65	110	44	160	214	5	50	
Sex									
Male	317	36	55	23	74	96	2	31	
Female	293	26	50	18	74	104	3	18	
Undetermined	38	3	5	3	12	14	-	1	
Weight at Delivery									
Under 500 grams	35	6	2	2	9	14	-	2	
500-999 grams	73	9	13	6	17	25	-	3	
1000-1499 grams	100	11	13	4	23	36	1	12	
1500-1999 grams	74	10	8	6	21	25	-	4	
2000-2499 grams	77	6	18	7	16	24	-	6	
2500 grams & over	208	19	46	14	41	67	2	19	
Not stated	81	4	10	5	33	23	2	4	

Table 24.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1991**

Health Center District	Percent of Total Live Births with Specified Characteristics										Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
	Live Births	Rate*	Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate**	Number	Rate**
			Puerto Rican	Other Hispanic										
NEW YORK CITY	138,148	18.9	13.6	18.5	42.2	44.5	9.6	13.0	43.8	47.7	1,575	11.4	1,089	7.9
MANHATTAN	21,793	14.7	12.8	27.8	41.2	48.6	10.7	14.4	48.3	51.6	215	9.9	149	6.8
Central Harlem	2,766	24.0	6.6	7.4	15.2	35.6	18.8	24.3	79.8	69.9	53	19.2	39	14.1
East Harlem	2,467	19.4	35.1	17.2	23.2	43.2	12.8	14.5	66.1	61.0	33	13.4	23	9.3
Kips Bay-Yorkville	2,216	9.4	1.9	4.5	30.3	65.4	7.0	4.1	12.2	6.5	8	3.6	5	2.3
Lower East Side	2,802	11.7	23.1	13.1	41.8	48.9	8.8	11.8	38.4	47.1	22	7.9	14	5.0
Lower West Side	2,762	9.4	7.0	9.1	36.1	59.1	8.2	11.9	26.2	22.1	23	8.3	18	6.5
Riverside	2,716	13.0	12.0	19.2	30.7	54.0	10.5	12.3	41.3	40.9	26	9.6	17	6.3
Washington Heights	6,064	22.8	8.8	69.2	70.9	43.2	9.8	16.9	57.6	76.4	50	8.2	33	5.4
BRONX	26,023	21.6	31.3	22.7	36.2	37.2	11.0	18.3	61.5	66.7	346	13.3	231	8.9
Fordham-Riverdale	4,892	19.9	30.4	27.7	44.4	40.5	8.7	14.6	51.3	60.7	53	10.8	40	8.2
Morrisania	4,104	28.4	31.3	22.4	28.8	36.2	13.8	23.9	73.0	77.2	68	16.6	45	11.0
Mott Haven	3,233	24.9	43.3	23.3	25.2	35.3	13.7	22.7	74.4	82.6	41	12.7	31	9.6
Pelham Bay	3,305	15.2	19.0	8.9	45.0	35.0	9.3	14.2	53.6	50.0	46	13.9	28	8.5
Tremont	5,860	30.8	31.3	30.8	40.3	37.3	11.7	21.2	68.8	76.7	89	15.2	59	10.1
Westchester	4,629	16.8	32.9	16.7	30.4	37.2	9.6	13.6	49.4	52.0	49	10.6	28	6.0
BROOKLYN	45,192	19.6	12.3	12.2	43.2	42.9	9.8	12.8	47.7	52.4	581	12.9	405	9.0
Bay Ridge	3,560	14.9	7.8	9.8	45.4	47.6	6.2	7.7	17.7	29.5	30	8.4	22	6.2
Bedford	5,216	22.4	3.1	5.2	40.3	39.5	12.5	18.5	69.0	62.9	84	16.1	59	11.3
Brownsville	5,989	21.5	11.7	8.5	37.9	42.2	12.6	14.2	64.3	60.8	80	13.4	55	9.2
Bushwick	4,708	25.8	30.6	27.5	38.3	42.9	12.1	17.8	65.0	74.3	69	14.7	47	10.0
Flatbush	9,763	19.4	3.7	7.3	60.5	43.9	8.7	11.0	41.6	43.1	135	13.8	97	9.9
Fort Greene	3,105	20.7	13.7	9.9	25.3	42.7	12.4	13.5	65.1	62.1	75	24.2	52	16.7
Gravesend	3,899	13.7	9.4	7.7	41.5	45.1	7.8	12.7	28.0	35.6	28	7.2	19	4.9
Red Hook-Gowanus	1,853	17.5	22.0	12.2	24.0	48.3	10.5	9.3	46.3	47.9	20	10.8	11	5.9
Sunset Park	3,844	22.6	17.7	21.5	46.1	42.0	6.1	8.6	29.5	43.6	24	6.2	21	5.5
Williamsburg-Greenpoint	3,255	20.9	22.5	22.5	37.6	36.9	7.5	11.7	38.4	64.7	36	11.1	22	6.8
QUEENS	29,026	14.9	5.6	24.7	58.1	49.5	8.4	12.6	35.4	39.8	257	8.9	193	6.6
Astoria-Long Island City	3,643	15.4	5.7	30.4	66.0	52.4	7.9	16.2	32.6	40.5	20	5.5	14	3.8
Corona	5,761	19.8	3.3	52.8	79.8	50.8	7.1	20.9	40.3	42.8	50	8.7	40	6.9
Flushing	4,847	10.6	3.6	16.8	58.7	52.1	6.4	9.3	18.5	23.7	44	9.1	31	6.4
Jamaica East	5,467	16.2	3.5	9.4	47.3	44.0	12.2	9.5	51.4	51.1	81	14.8	60	11.0
Jamaica West	5,969	16.5	8.8	20.4	47.8	47.2	9.3	9.5	40.5	48.0	46	7.7	35	5.9
Maspeth-Forest Hills	3,339	12.4	10.0	14.3	47.3	53.5	6.0	9.9	18.9	23.7	16	4.8	13	3.9
RICHMOND	6,370	16.8	5.8	5.7	16.6	46.9	6.2	3.4	19.8	21.3	41	6.4	24	3.8
NON-RESIDENTS	9,682	-	3.8	5.5	25.3	46.2	7.8	3.5	9.6	6.7	129	-	82	-
RESIDENCE UNKNOWN	62	-	4.8	11.3	32.3	46.8	12.9	29.0	56.5	45.2	6	-	5	-

*Rate per 1,000 population.

**Rate per 1,000 live births.

Table 25.

**Live Births by Selected Characteristics and Mother's Ancestry
New York City, 1991**

Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristic							Teenage Mother
		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid		
Total	138,148	42.2	44.5	9.6	13.0	43.8	47.7	10.1	
Puerto Rican	18,851	1.0	40.4	11.1	15.5	65.0	69.5	20.0	
Dominican	11,845	93.0	41.4	6.9	16.2	52.2	79.0	9.6	
Colombian	1,990	95.8	49.2	6.7	15.4	48.9	49.0	4.6	
Ecuadorian	1,985	95.2	43.2	6.5	17.2	36.7	62.1	7.5	
Mexican	3,431	97.6	46.8	6.8	21.2	60.9	80.7	19.1	
Cuban	484	60.7	45.0	7.0	8.5	32.9	30.4	5.0	
Other Hispanic	5,829	77.7	44.4	7.7	13.7	49.6	59.7	10.5	
African-American	26,761	4.7	41.1	16.4	19.0	75.6	62.4	17.7	
American	9,001	3.2	46.0	7.4	8.0	20.2	21.7	6.1	
Guyanese	2,198	98.9	48.1	13.6	9.6	38.8	47.8	8.6	
Haitian	2,894	97.6	39.4	10.6	11.5	41.7	57.4	4.0	
Jamaican	3,459	98.5	38.9	8.6	11.7	63.4	56.9	10.3	
Trinidadian	1,343	98.6	41.0	10.8	13.1	56.1	62.6	7.4	
All Other North, Central and South American	4,391	92.8	42.1	9.3	13.1	50.4	49.8	7.7	
English	1,274	33.4	53.4	6.7	4.8	16.4	10.8	1.8	
German	2,041	10.4	51.0	6.0	4.4	12.4	9.2	1.9	
Irish	4,851	7.4	49.0	5.7	3.5	13.6	12.0	2.3	
Italian	7,510	10.6	50.6	5.8	3.2	10.7	10.3	2.6	
Polish	1,367	40.7	54.1	6.6	9.7	14.5	22.4	1.5	
Russian	1,752	42.4	53.5	6.2	6.3	12.2	15.6	2.5	
Other European	2,261	37.0	52.5	5.8	6.1	12.0	10.7	1.6	
Chinese	3,927	94.5	54.6	5.3	7.6	8.2	18.9	0.9	
Asian Indian	1,664	97.8	53.4	8.6	16.9	16.9	31.3	2.7	
Korean	1,391	99.3	58.7	4.4	18.8	6.8	40.4	0.6	
Filipino	1,121	97.8	49.4	8.7	6.7	12.9	11.2	1.2	
Other Asian	4,499	91.1	43.8	6.4	12.8	13.3	36.8	4.5	
Other & Not Stated	10,028	39.6	45.1	7.7	9.6	19.5	23.3	4.0	

Table 26.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1991**

Health Center District	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry Hispanic		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate*	Number	Rate*
			Puerto Rican	Other Hispanic										
NEW YORK CITY	13,999	10.1	27.0	19.1	26.0	77.4	11.5	21.7	83.1	78.0	191	13.6	130	9.3
MANHATTAN	2,281	10.5	27.2	30.7	27.0	79.0	11.9	22.1	86.1	81.9	36	15.8	24	10.5
Central Harlem	472	17.1	11.2	4.7	9.7	74.8	13.1	22.0	90.9	83.5	11	23.3	7	14.8
East Harlem	391	15.8	50.6	21.5	19.4	76.5	10.2	15.3	91.3	77.0	5	12.8	2	5.1
Kips Bay-Yorkville	56	2.5	16.1	10.7	26.8	89.3	10.7	14.3	58.9	73.2	1	17.9	1	17.9
Lower East Side	258	9.2	48.1	21.7	17.1	83.7	13.6	16.3	86.8	85.7	4	15.5	3	11.6
Lower West Side	156	5.6	25.0	13.5	24.4	82.1	13.5	35.3	87.8	60.9	4	25.6	2	12.8
Riverside	226	8.3	31.0	27.4	17.3	71.2	16.4	26.1	89.4	84.1	3	13.3	2	8.8
Washington Heights	722	11.9	17.6	62.2	49.4	82.3	9.8	24.2	80.5	86.6	8	11.1	7	9.7
BRONX	3,843	14.8	44.1	16.7	20.6	71.3	10.9	24.0	84.8	82.7	44	11.4	29	7.5
Fordham-Riverdale	553	11.3	45.2	25.1	28.4	78.5	7.8	19.9	81.0	81.7	6	10.8	5	9.0
Morrisania	732	17.8	43.7	12.8	13.4	74.3	13.0	27.2	87.4	84.3	14	19.1	8	10.9
Mott Haven	667	20.6	55.2	14.8	13.2	70.0	10.9	25.2	86.4	87.9	1	1.5	1	1.5
Pelham Bay	402	12.2	25.4	6.2	32.1	57.5	11.2	22.1	89.3	80.1	5	12.4	5	12.4
Tremont	954	16.3	41.7	22.4	25.4	72.1	11.8	25.5	84.2	83.6	13	13.6	7	7.3
Westchester	535	11.6	47.7	12.9	14.8	70.3	9.5	20.9	80.6	75.3	5	9.3	3	5.6
BROOKLYN	5,054	11.2	22.5	12.8	25.4	80.0	11.8	20.5	84.0	79.0	78	15.4	50	9.9
Bay Ridge	181	5.1	16.6	21.5	39.8	86.7	8.8	21.5	54.7	70.2	2	11.0	2	11.0
Bedford	722	13.8	5.0	3.5	22.2	79.1	12.7	23.3	94.2	80.3	8	11.1	7	9.7
Brownsville	860	14.4	16.0	5.5	17.0	79.1	13.7	20.5	90.7	82.0	19	22.1	12	14.0
Bushwick	792	16.8	41.8	20.8	20.2	77.9	10.9	19.8	86.2	84.7	11	13.9	8	10.1
Flatbush	778	8.0	8.6	8.7	46.1	83.4	10.9	21.9	83.2	70.2	8	10.3	6	7.7
Fort Greene	487	15.7	18.9	6.8	14.0	75.2	14.2	21.6	90.1	82.8	14	28.7	7	14.4
Gravesend	272	7.0	19.9	13.6	26.5	80.5	11.0	26.8	72.1	69.9	4	14.7	2	7.4
Red Hook-Gowanus	222	12.0	40.5	14.9	16.2	80.2	13.1	14.4	85.1	82.4	2	9.0	-	-
Sunset Park	375	9.8	36.8	30.1	33.9	81.1	8.0	14.9	68.8	76.3	3	8.0	3	8.0
Williamsburg-Greenpoint	365	11.2	43.8	23.6	23.3	83.0	11.8	17.0	75.6	82.5	7	19.2	3	8.2
QUEENS	2,287	7.9	10.5	27.7	37.9	79.9	11.1	22.3	76.9	68.8	28	12.2	23	10.1
Astoria-Long Island City	274	7.5	10.2	39.4	47.1	79.6	8.4	29.2	69.7	60.2	2	7.3	1	3.6
Corona	474	8.2	6.1	61.8	60.3	82.9	10.1	36.1	74.7	58.2	5	10.5	4	8.4
Flushing	178	3.7	14.6	25.8	43.8	84.3	10.1	23.6	64.0	52.2	3	16.9	3	-
Jamaica East	589	10.8	4.1	6.8	23.4	76.4	15.4	14.1	88.1	75.4	10	17.0	9	15.3
Jamaica West	634	10.6	15.5	18.6	29.7	78.9	9.5	15.5	77.4	78.5	7	11.0	5	7.9
Maspeth-Forest Hills	138	4.1	25.4	20.3	34.8	84.8	9.4	25.4	65.2	70.3	1	7.2	1	7.2
RICHMOND	346	5.4	15.6	9.5	12.4	80.3	11.3	8.7	79.8	65.6	4	11.6	3	8.7
NON-RESIDENTS	185	1.9	16.2	11.4	21.6	77.3	11.9	22.2	67.6	47.0	1	-	1	-
RESIDENCE UNKNOWN	3	4.8	-	-	-	66.7	-	33.3	66.7	66.7	-	-	-	-

*Rate per 1,000 live births to teenagers.

Table 27.

Live Births to Teenagers by Selected Characteristics, New York City, 1981-1991

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

Note: The figures for prenatal care in first 6 months of pregnancy for 1989 and 1990 are corrected from those previously published.

Table 28.

**Maternal Risk Factors by Health Center District of Residence
New York City, 1991**

Health Center District	Total Live Births	Number of Maternal Risk Factors*			
		None %	One %	Two %	Three %
NEW YORK CITY	138,148	44.6	35.0	17.2	3.1
MANHATTAN	21,793	41.7	35.8	19.2	3.3
Central Harlem	2,766	12.9	43.2	38.3	5.6
East Harlem	2,467	26.6	39.7	28.5	5.3
Kips Bay-Yorkville	2,216	77.1	18.3	3.8	0.8
Lower East Side	2,802	51.7	31.8	14.4	2.1
Lower West Side	2,762	61.5	26.7	9.2	2.6
Riverside	2,716	49.2	31.7	15.7	3.4
Washington Heights	6,064	31.1	45.0	20.7	3.2
BRONX	26,023	27.1	40.7	26.9	5.3
Fordham-Riverdale	4,892	34.5	39.0	22.5	3.9
Morrisania	4,104	16.7	42.5	33.8	7.0
Mott Haven	3,233	16.8	44.1	32.4	6.7
Pelham Bay	3,305	35.4	38.8	21.2	4.6
Tremont	5,860	19.4	42.8	31.5	6.3
Westchester	4,629	39.4	37.0	20.0	3.5
BROOKLYN	45,192	39.1	39.6	18.0	3.3
Bay Ridge	3,560	65.5	27.2	6.4	0.9
Bedford	5,216	23.2	45.5	26.6	4.7
Brownsville	5,989	27.3	43.6	24.7	4.4
Bushwick	4,708	25.4	41.7	27.7	5.3
Flatbush	9,763	42.7	41.1	13.7	2.5
Fort Greene	3,105	27.9	43.2	24.3	4.7
Gravesend	3,899	51.9	34.6	11.2	2.4
Red Hook-Gowanus	1,853	44.6	36.2	16.3	3.0
Sunset Park	3,844	49.1	37.9	10.9	2.1
Williamsburg-Greenpoint	3,255	46.9	35.1	15.5	2.5
QUEENS	29,026	52.8	32.4	12.8	2.0
Astoria-Long Island City	3,643	52.1	32.1	13.4	2.4
Corona	5,761	44.5	36.7	15.9	2.8
Flushing	4,847	68.9	23.2	7.0	0.9
Jamaica East	5,467	41.2	40.5	16.3	2.0
Jamaica West	5,969	49.8	33.4	14.3	2.5
Maspeth-Forest Hills	3,339	68.3	23.3	7.1	1.2
RICHMOND	6,370	73.4	19.6	6.4	0.6
NON-RESIDENTS	9,682	80.9	15.2	3.3	0.6
RESIDENCE UNKNOWN	62	24.2	43.5	29.0	3.2

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

Table 29.

**Live Births, Infant Deaths and Infant Mortality Rates by
Number of Maternal Risk Factors and Birth Weight
New York City, 1991**

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	61,642	358	5.8	4,010	236	58.9	57,626	115	2.0
One	48,419	524	10.8	4,883	374	76.6	43,521	147	3.4
Two	23,810	510	21.4	3,744	387	103.4	20,054	118	5.9
Three	4,277	88	20.6	574	67	116.7	3,703	21	5.7
Unmatched ⁽²⁾	-	95	-	-	-	-	-	-	-
Total	138,148	1,575	11.4	13,211	1,064	80.5	124,904	401	3.2

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

(1) Includes those with unknown birth weight.

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

(3) Rate per 1,000 live births.

Table 30a.

Live Births and Infant Deaths by Birth Weight and Race, New York City, 1991

Birth Weight in Grams	Live Births					Infant Deaths														
	Total	White	Black	Other	Not Stated	Under One Year					Under 28 Days					Under 7 Days				
						Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other			
Less than 500	221	81	129	11	209	75	123	2	9	206	75	120	2	9	200	73	116	2	9	
500-999	1,022	382	599	41	499	208	275	7	9	439	189	237	5	8	381	160	210	4	7	
1000-1499	1,376	602	719	55	125	59	61	3	2	96	48	44	3	1	65	32	30	2	1	
1500-1999	2,638	1,177	1,341	120	105	48	54	2	1	62	31	30	-	1	51	28	22	-	1	
2000-2499	7,954	3,735	3,677	542	126	54	63	4	5	66	37	23	2	4	48	25	18	2	3	
Less than 2500	13,211	5,977	6,465	769	1,064	444	576	18	26	869	380	454	12	23	745	318	396	10	21	
2500-2999	26,680	13,897	10,318	2,465	139	42	87	7	3	45	17	21	5	2	32	12	14	4	2	
3000-3499	52,750	30,761	17,203	4,786	157	77	68	9	3	64	30	27	4	3	45	26	15	2	2	
3500-3999	34,628	22,218	9,894	2,516	76	39	31	4	2	30	13	16	-	1	19	7	11	-	1	
4000-4499	9,117	6,123	2,480	514	23	13	8	1	1	10	6	4	-	-	6	3	3	-	-	
4500-4999	1,530	1,022	447	61	2	-	2	-	-	1	-	1	-	-	1	-	1	-	-	
5000 & over	199	134	58	7	4	2	2	-	-	4	2	2	-	-	4	2	2	-	-	
2500 & over	124,904	74,155	40,400	10,349	401	173	198	21	9	154	68	71	9	6	107	50	46	6	5	
Not stated	33	17	15	1	15	10	5	-	-	13	9	4	-	-	11	7	4	-	-	
Unmatched*	-	-	-	-	95	57	21	3	14	53	30	13	1	9	33	16	11	1	5	
Total	138,148	80,149	46,880	11,119	1,575	684	800	42	49	1,089	487	542	22	38	896	391	457	17	31	

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

Table 30b.

Infant Mortality Rates by Birth Weight and Race, New York City, 1991

Birth Weight in Grams	Under One Year				Under 28 Days				Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500	945.7*	**	953.5	**	932.1	**	930.2	**	905.0	**	899.2	**
500-999	488.3	544.5	459.1	**	429.5	494.8	395.7	**	372.8	418.8	350.6	**
1000-1499	90.8	98.0	84.8	**	69.8	79.7	61.2	**	47.2	53.2	41.7	**
1500-1999	39.8	40.8	40.3	16.7	23.5	26.3	22.4	-	19.3	23.8	16.4	-
2000-2499	15.8	14.5	17.1	7.4	8.3	9.9	6.3	3.7	6.0	6.7	4.9	3.7
Less than 2500	80.5	74.3	89.1	23.4	65.8	63.6	70.2	15.6	56.4	53.2	61.3	13.0
2500-2999	5.2	3.0	8.4	2.8	1.7	1.2	2.0	2.0	1.2	0.9	1.4	1.6
3000-3499	3.0	2.5	4.0	1.9	1.2	1.0	1.6	0.8	0.9	0.8	0.9	0.4
3500-3999	2.2	1.8	3.1	1.6	0.9	0.6	1.6	-	0.5	0.3	1.1	-
4000-4499	2.5	2.1	3.2	1.9	1.1	1.0	1.6	-	0.7	0.5	1.2	-
4500-4999	1.3	-	4.5	**	0.7	-	2.2	**	0.7	-	2.2	**
5000 & over	20.1	14.9	**	**	20.1	14.9	**	**	20.1	14.9	**	**
2500 & over	3.2	2.3	4.9	2.0	1.2	0.9	1.8	0.9	0.9	0.7	1.1	0.6
Total	11.4	8.5	17.1	3.8	7.9	6.1	11.6	2.0	6.5	4.9	9.7	1.5

*Rate per 1,000 live births. Births and deaths included here were reported in 1991 and do not represent a true birth cohort.

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

Table 31.

Infant Deaths by Age and Sex, by Race and by Cause, New York City, 1991

	Total Both Sexes	MALE			FEMALE		
		Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total	1,575	513	97	254	383	96	232
Race of Child							
White	684	219	47	98	172	49	99
Black	800	263	44	141	194	41	117
Other and not stated	91	31	6	15	17	6	16
Cause of Death (ICD-9 Codes)							
Certain Gastrointestinal Diseases (008-009, 535, 555-558)	6	-	-	3	-	1	2
Acquired Immunodeficiency Syndrome (042)	22	-	-	13	1	-	8
Pneumonia and Influenza (480-487)	28	2	-	10	2	2	12
Congenital Anomalies (740-759)	305	84	26	54	54	29	58
Short Gestation and Low Birth Weight (765)	164	85	2	4	63	8	2
Birth Trauma (767)	15	4	4	-	3	1	3
Intrauterine Hypoxia and Birth Asphyxia (768)	28	9	1	4	8	3	3
Respiratory Distress Syndrome (769)	136	64	12	4	47	4	5
Respiratory Conditions of Newborn (770)	147	65	7	8	57	5	5
Neonatal Hemorrhage (772)	23	3	5	2	9	4	-
Other Conditions Originating in the Perinatal Period (Rest of 760-779)	403	187	30	18	123	21	24
Sudden Infant Death Syndrome (798.0)	111	1	4	60	2	4	40
Injuries (E800-E999)	36	1	1	16	3	-	15
All other causes	151	8	5	58	11	14	55

Table 32.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1981-1991**

Mother's Ethnic Group ⁽¹⁾	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
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
Puerto Rican	18,104	18,289	18,014	17,887	17,961	18,138	18,625	18,822	19,248	19,327	18,851
Other Hispanic	12,392	13,704	14,463	15,228	15,758	16,689	19,372	20,145	23,013	24,912	25,564
Asian	8,429	8,749	8,947	9,127	9,553	9,894	10,926	11,597	12,051	12,394	12,602
Other White	35,516	35,653	35,788	35,405	36,825	37,465	37,558	38,992	39,362	38,906	37,464
Other Black	33,429	34,644	34,749	35,212	37,616	39,064	40,020	41,356	43,069	42,844	41,486
Other & Unknown	677	448	392	473	829	858	885	1,314	930	1,247	2,181
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
Puerto Rican	265	296	244	263	226	240	240	241	257	238	211
Other Hispanic	133	154	141	133	139	156	182	186	219	195	187
Asian	80	74	75	76	76	63	65	79	93	67	76
Other White	439	409	388	363	368	323	350	353	321	300	278
Other Black	747	762	742	680	758	751	802	891	911	797	777
Other & Unknown	14	11	13	25	24	33	34	20	26	23	46
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
Puerto Rican	14.6	16.2	13.5	14.7	12.6	13.2	12.9	12.8	13.4	12.3	11.2
Other Hispanic	10.7	11.2	9.7	8.7	8.8	9.3	9.4	9.2	9.5	7.8	7.3
Asian	9.5	8.5	8.4	8.3	8.0	6.4	5.9	6.8	7.7	5.4	6.0
Other White	12.4	11.5	10.8	10.3	10.0	8.6	9.3	9.1	8.2	7.9	7.4
Other Black	22.3	22.0	21.4	19.3	20.2	19.2	20.0	21.5	21.2	18.6	18.7
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
Puerto Rican	169	198	166	165	141	157	157	159	172	155	138
Other Hispanic	88	110	102	97	100	117	134	133	153	136	136
Asian	58	52	47	53	45	47	42	59	60	44	45
Other White	318	301	274	267	268	254	251	264	238	222	201
Other Black	503	506	471	414	513	481	535	602	610	518	533
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
Puerto Rican	9.3	10.8	9.2	9.2	7.9	8.7	8.4	8.4	8.9	8.0	7.3
Other Hispanic	7.1	8.0	7.1	6.4	6.3	7.0	6.9	6.6	6.6	5.5	5.3
Asian	6.9	5.9	5.3	5.8	4.7	4.8	3.8	5.1	5.0	3.6	3.6
Other White	9.0	8.4	7.7	7.5	7.3	6.8	6.7	6.8	6.0	5.7	5.4
Other Black	15.0	14.6	13.6	11.8	13.6	12.3	13.4	14.6	14.2	12.1	12.8
Maternal Deaths, Total	33	37	44	21	30	29	28	26	29	35	24
Puerto Rican	3	5	3	1	1	4	2	2	4	1	4
Other Hispanic	4	6	8	3	6	0	4	6	2	4	2
Asian	1	1	1	0	1	2	6	-	-	1	-
Other White	6	8	7	4	3	6	3	2	2	2	2
Other Black	19	16	24	13	15	14	8	15	20	25	15
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
Puerto Rican	1.7	2.7	1.7	0.6	0.6	2.2	1.1	1.1	2.1	0.5	2.1
Other Hispanic	3.2	4.4	5.5	2.0	3.8	-	2.1	3.0	0.9	1.6	0.8
Asian	1.2	1.1	1.1	-	1.0	2.0	5.5	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
Other Black	5.7	4.6	6.9	3.7	4.0	3.6	2.0	3.6	4.6	5.8	3.6

(1) Puerto Rican, Other Hispanic and Asian ethnicity are based on ancestry, regardless of race. Those of other ancestries are classified as Other White, Other Black, Other & Unknown, based on race. See Technical Notes.

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

(3) Rate per 1,000 live births.

(4) Rate per 10,000 live births.

Table 33.

Cases of Reportable Diseases, New York City, 1940-1991

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

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

Table 34. Incidence of AIDS* By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-1991

Sex/Risk Group	1980-1984	1985	1986	1987	1988	1989	1990	1991
Male								
Intravenous Drug User	767	710	1,097	1,438	2,048	2,092	2,318	2,140
Sex with Men**	2,041	1,508	2,147	2,367	2,537	2,477	2,324	2,104
Transfusion	9	16	18	26	25	13	-	4
Other	359	215	297	384	479	539	504	549
Total	3,176	2,449	3,559	4,215	5,089	5,121	5,146	4,797
Female								
Intravenous Drug User	218	174	295	444	619	686	797	778
Male Sex Partner	52	70	107	210	246	296	337	347
Transfusion	10	6	15	22	14	9	5	4
Other	48	29	38	52	78	107	111	124
Total	328	279	455	728	957	1,098	1,250	1,253

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

TECHNICAL NOTES

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

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

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

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

RACE, ANCESTRY AND ETHNICITY - Race and Ancestry are separate items on the certificates. Responses are coded in general conformance to rules of NCHS. ●In 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. ●Ethnicity (sometimes called Ethnic Group) is determined by applying ordered selection rules to the certificate. First, persons of Puerto Rican, other Hispanic or Asian ancestry are assigned to those respective ethnicities, regardless of race. Then, those of other ancestries are classified by race as Other White, Other Black, Other or Unknown.

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

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

Deaths Due to Drug Abuse - Revised procedures at the Office of Chief Medical Examiner in 1989 led to a substantial portion of deaths related to drug use being classified as accidental drug poisonings. In prior years, virtually all such deaths were classified as due to drug dependence. In order to maintain continuity with previously published Vital Statistics, three new categories have been added to various tables. "Accidental drug

poisoning" is shown in Tables 3, 8 and 17. "Accidents except drug poisoning" appears in Tables 4 and 5. "Drug dependence and accidental drug poisoning" is shown in Tables 3, 4 and 5. Deaths due to accidental drug poisoning are assigned to one of the following four codes of the ICD-9, depending on the agent: E858.0, opiates and related narcotics; E854.1, psychodysleptics; E855.2, local anesthetics; E858.8, other drugs and combinations. Deaths due to drug dependence are assigned to code 304. Since 1989, the number of deaths assigned to accidental drug poisoning has declined; the category "drug dependence and accidental drug poisoning" is the most useful for analysis of trends.

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

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

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

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

Rates and Ratios

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

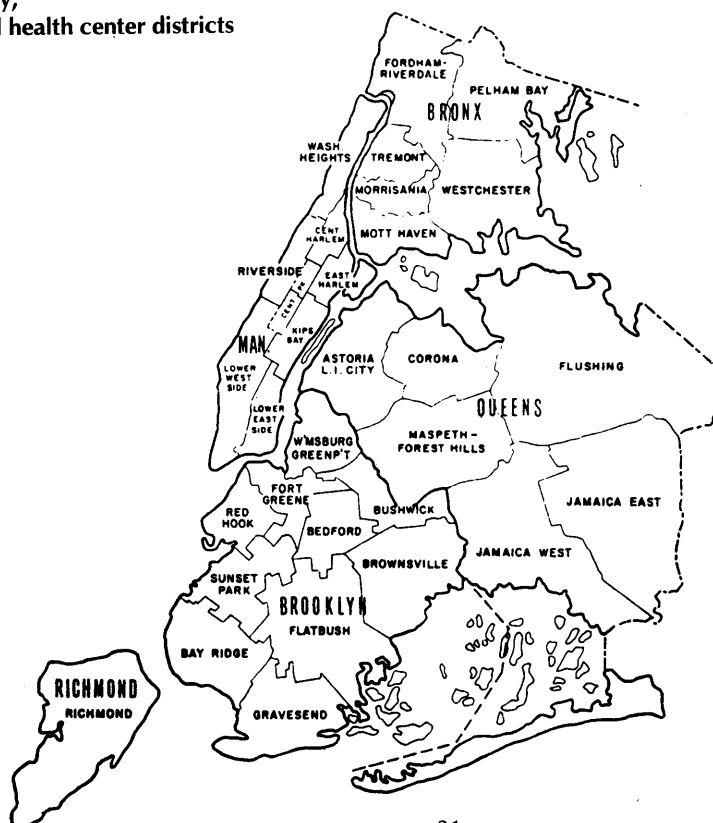
Death Rate, specified causes - The number of deaths due to a specified cause per 100,000 population.

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

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

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

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



HIGHLIGHTS

The 1991 New York City Vital Statistics Summary contains new and expanded features designed to make this publication more useful.

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

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

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

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

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

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

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

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



DEPARTMENT OF HEALTH
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