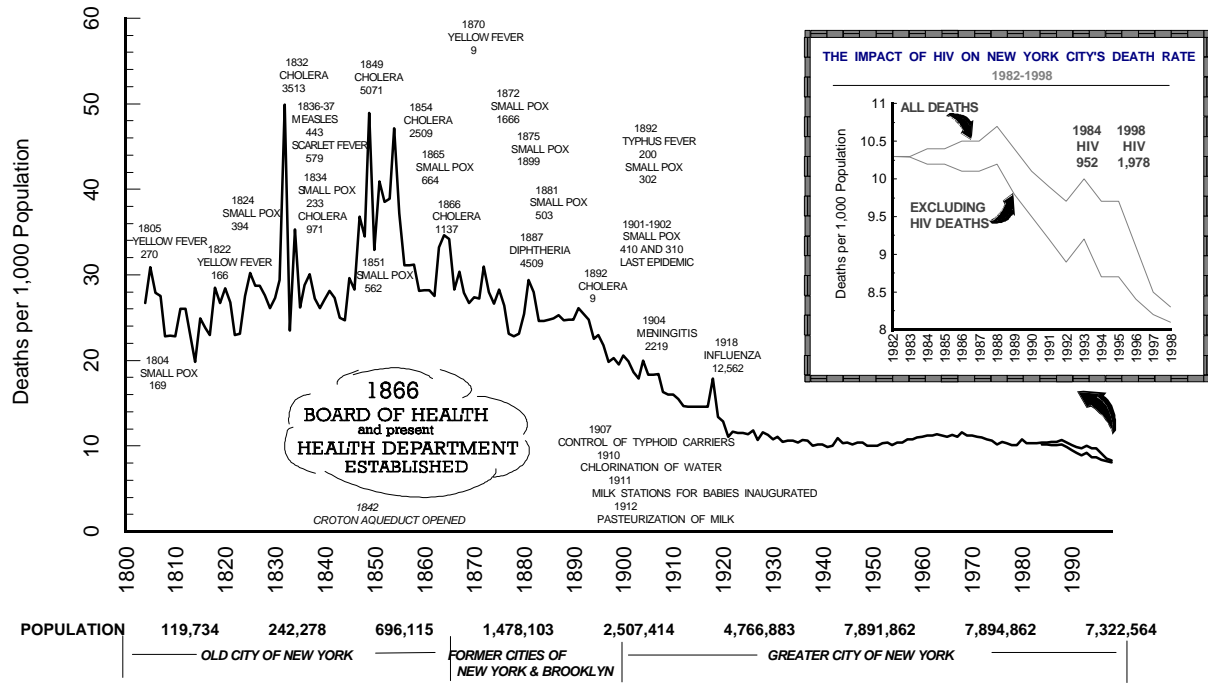


SUMMARY OF VITAL STATISTICS 1998

THE CITY OF NEW YORK

The Conquest of Pestilence in New York City

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



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Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1998

Year	Population April 1	Live Births		Marriages		Deaths		Infant Mortality	
		Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Deaths under one year	Rate per 1,000 live births
1898-1900	3,358,000	119,000	35.4	30,535	9.1	67,503	20.1	16,264	136.7
1901-1905	3,786,000	129,000	34.1	37,988	10.0	71,689	18.9	15,611	121.0
1906-1910	4,473,000	144,000	32.2	44,966	10.1	75,865	17.0	16,609	115.3
1911-1915	5,049,000	140,581	27.8	51,157	10.1	74,666	14.8	14,060	100.0
1916-1920	5,492,000	136,101	24.8	59,081	10.8	80,435	14.6	12,004	88.2
1921-1925	6,175,000	130,462	21.1	62,710	10.2	69,303	11.2	8,985	68.9
1926-1930	6,703,000	125,590	18.7	62,278	9.3	75,395	11.2	7,662	61.0
1931-1935	7,101,000	106,179	15.0	63,273	8.9	75,561	10.6	5,521	52.0
1936-1940	7,363,000	102,418	13.9	69,184	9.4	76,065	10.3	4,079	39.8
1941-1945	7,597,000	126,495	16.7	76,086	10.0	78,382	10.3	3,525	27.9
1946-1950	7,815,000	158,926	20.3	90,914	11.6	79,708	10.2	4,139	26.0
1951-1955	7,867,000	163,526	20.8	71,689	9.1	80,583	10.2	3,986	24.4
1956	7,831,000	165,553	21.1	70,291	9.0	81,118	10.4	4,052	24.5
1957	7,818,000	166,977	21.4	69,498	8.9	84,141	10.8	4,176	25.0
1958	7,806,000	167,775	21.5	67,594	8.7	84,586	10.8	4,435	26.4
1959	7,794,000	168,138	21.6	66,887	8.6	85,352	11.0	4,458	26.5
1960	7,781,984	166,300	21.4	67,133	8.6	86,252	11.1	4,328	26.0
1961	7,793,000	168,383	21.6	66,258	8.5	86,855	11.1	4,307	25.6
1962	7,805,000	165,244	21.2	65,512	8.4	87,089	11.2	4,510	27.3
1963	7,816,000	167,848	21.5	67,886	8.7	88,621	11.3	4,334	25.8
1964	7,828,000	165,695	21.2	70,053	8.9	88,026	11.2	4,438	26.8
1965	7,839,000	158,815	20.3	71,880	9.2	87,395	11.1	4,076	25.7
1966	7,850,000	153,335	19.5	66,689	8.5	88,418	11.3	3,819	24.9
1967	7,862,000	145,802	18.5	68,876	8.8	87,610	11.1	3,489	23.9
1968	7,873,000	141,920	18.0	73,307	9.3	91,169	11.6	3,282	23.1
1969	7,885,000	146,221	18.5	75,220	9.5	88,535	11.2	3,563	24.4
1970	7,894,862	149,192	18.9	74,174	9.4	88,161	11.2	3,230	21.6
1971	7,832,000	131,920	16.8	73,810	9.4	86,724	11.1	2,751	20.9
1972	7,731,000	117,088	15.1	73,253	9.5	85,363	11.0	2,321	19.8
1973	7,648,000	110,639	14.5	70,104	9.2	82,319	10.8	2,206	19.9
1974	7,566,000	110,642	14.6	61,925	8.2	79,846	10.6	2,175	19.7
1975	7,484,000	109,418	14.6	59,591	8.0	76,312	10.2	2,110	19.3
1976	7,401,000	109,995	14.9	55,829	7.5	77,538	10.5	2,092	19.0
1977	7,318,000	110,486	15.1	52,804	7.2	75,011	10.3	1,971	17.8
1978	7,236,000	106,720	14.7	54,247	7.5	73,081	10.1	1,827	17.1
1979	7,154,000	106,021	14.8	58,532	8.2	72,079	10.1	1,767	16.7
1980	7,071,639	107,066	15.1	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	71,301	9.7	73,875	10.1	1,620	11.6
1991	7,322,564	138,148	18.9	69,314	9.5	72,421	9.9	1,575	11.4
1992	7,322,564	136,002	18.6	71,947	9.8	71,001	9.7	1,390	10.2
1993	7,322,564	133,583	18.2	72,490	9.9	73,408	10.0	1,366	10.2
1994	7,322,564	133,662	18.3	70,438	9.6	71,038	9.7	1,207	9.0
1995	7,322,564	131,009	17.9	71,507	9.8	70,769	9.7	1,155	8.8
1996	7,322,564	126,901	17.3	79,361	10.8	66,784	9.1	992	7.8
1997	7,322,564	123,313	16.8	80,027	10.9	62,506	8.5	881	7.1
1998	7,322,564	124,252	17.0	53,661	7.3	61,010	8.3	843	6.8

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		& 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, 1998**

Age In Years	DEATHS IN 1998											
	Race									Hispanic Ancestry*		
	All Races			White		Black		& Unknown		Total	Male	Female
Total	Male	Female	Male	Female	Male	Female	Male	Female				
All Ages	61,010	29,558	31,452	20,260	21,909	7,439	8,076	1,859	1,467	7,803	4,240	3,563
Under 5	986	515	471	223	210	191	177	101	84	160	86	74
5-9	106	52	54	24	31	25	20	3	3	22	14	8
10-14	97	59	38	35	17	20	20	4	1	22	13	9
15-19	242	170	72	78	31	84	36	8	5	47	36	11
20-24	409	312	97	163	45	137	39	12	13	105	85	20
25-29	560	388	172	211	86	152	66	25	20	139	101	38
30-34	915	574	341	331	167	210	157	33	17	212	137	75
35-39	1,387	872	515	510	241	316	245	46	29	354	240	114
40-44	1,859	1,167	692	658	326	424	324	85	42	394	262	132
45-49	2,434	1,572	862	877	413	582	386	113	63	527	369	158
50-54	2,676	1,708	968	1,010	544	567	365	131	59	504	313	191
55-59	3,160	1,860	1,300	1,094	757	644	483	122	60	594	373	221
60-64	3,866	2,238	1,628	1,376	926	691	610	171	92	639	391	248
65-69	5,020	2,763	2,257	1,841	1,395	735	728	187	134	737	405	332
70-74	6,576	3,489	3,087	2,507	2,023	779	909	203	155	847	451	396
75-79	7,656	3,767	3,889	2,772	2,736	781	988	214	165	775	378	397
80-84	7,837	3,329	4,508	2,631	3,457	533	878	165	173	700	272	428
85 & Over	15,224	4,723	10,501	3,919	8,504	568	1,645	236	352	1,025	314	711

*Persons of Hispanic ancestry may be of any race.

Table 3.

**Deaths by Cause and Borough of Residence
New York City, 1998**

Cause (Codes from International Classification of Diseases, Ninth Revision, 1975)	Total	BOROUGH OF RESIDENCE						Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	
Total Deaths	61,010	11,169	9,592	17,869	14,639	3,365	3,957	419
All Natural Causes	58,531	10,762	9,183	17,163	14,093	3,249	3,759	322
1. Tuberculosis, all (010-018)	52	17	9	13	8	1	2	2
Tuberculosis of respiratory system (010-012)	33	8	6	10	6	1	-	2
Other tuberculosis (013-018)	19	9	3	3	2	-	2	-
2. Septicemia (038)	400	84	87	116	75	12	24	2
3. Human immunodeficiency virus (HIV) infection (042-044)	1,978	516	495	609	215	49	59	35
Acquired immunodeficiency syndrome (AIDS) (042)	1,932	505	484	597	208	47	57	34
Other HIV infections (043-044)	46	11	11	12	7	2	2	1
4. Viral hepatitis (070)	253	58	74	52	42	8	17	2
5. Pneumocystosis (136.3)	15	3	3	5	2	-	2	-
6. Other infective and parasitic diseases (Rest of 001-139)	111	25	30	29	15	1	10	1
7. Malignant neoplasms, all (140-208)	14,454	2,754	1,984	3,997	3,314	853	1,514	38
Lip, oral cavity and pharynx (140-149)	222	48	36	66	41	6	25	-
Digestive organs and peritoneum (150-159)	4,116	792	592	1,184	928	247	361	12
Stomach (151)	614	120	98	187	134	27	45	3
Colon (153)	1,499	278	205	437	356	104	116	3
Rectum (154)	198	38	27	57	46	14	15	1
Liver, bile duct, gallbladder (155-156)	608	125	83	181	136	26	56	1
Pancreas (157)	795	150	110	217	177	54	84	3
Respiratory and intrathoracic organs (160-165)	3,490	618	501	979	800	256	322	14
Trachea, bronchus and lung (162)	3,321	587	471	921	775	247	307	13
Kaposi's sarcoma (173.9)	18	6	2	3	2	2	3	-
Breast and genitourinary organs (174, 179-189)	3,679	736	481	1,010	892	191	362	7
Breast, female (174)	1,344	257	169	397	315	73	131	2
Cervix uteri (180)	152	30	26	44	34	6	12	-
Ovary and other uterine adnexa (183)	385	84	43	105	90	13	50	-
Prostate (185)	891	183	121	238	227	43	77	2
Bladder and other urinary organs (188-189)	588	119	78	129	154	43	63	2
Other and unspecified sites (Rest of 140-199)	1,476	315	183	376	328	77	193	4
Lymphatic and hematopoietic tissues (200-208)	1,453	239	189	379	323	74	248	1
Leukemia and aleukemia (204-208)	541	88	72	123	109	31	118	-
8. Benign and unspecified neoplasms (210-239)	202	29	23	58	46	14	30	2
9. Diabetes mellitus (250)	1,548	262	325	495	314	90	60	2
10. Alcohol dependence syndrome (303)	364	77	57	130	58	8	7	27
11. Drug dependence (304)	825	175	179	206	118	23	79	45
Drug dependence and accidental drug poisoning	843	180	180	209	120	23	81	50
12. Diseases of nervous system (320-389)	533	133	91	134	117	28	29	1
Alzheimer's disease (331.0)	82	32	14	16	17	2	1	-
13. Cardiovascular diseases, all (390-459)	28,755	4,707	4,223	8,763	7,863	1,673	1,416	110
Cerebrovascular disease (430-438)	1,998	419	374	535	471	97	94	8
Heart diseases (393-398, 402, 404-429)	25,486	4,043	3,619	7,853	7,126	1,507	1,239	99
Chronic rheumatic heart disease (393-398)	59	17	12	11	5	3	11	-
Ischemic heart disease (410-414)	19,505	2,734	2,508	6,118	5,889	1,282	930	44
Other forms of heart disease (420-429)	3,422	755	515	1,049	730	165	183	25
Hypertensive disease (401-404)	2,283	500	548	622	450	44	92	27
Atherosclerosis (440)	218	30	36	68	66	4	14	-
14. Pneumonia and influenza (480-487)	2,680	601	498	749	511	198	109	14
15. Chronic obstructive pulmonary diseases, all (490-496)	1,622	352	273	435	377	121	57	7
Bronchitis, emphysema (490-492)	197	65	14	50	42	10	15	1
Asthma (493)	250	44	77	58	52	7	12	-
16. Ulcer of stomach and duodenum (531-533)	141	26	28	35	37	5	8	2
17. Appendicitis (540-543)	13	2	5	3	2	1	-	-
18. Intestinal obstruction and hernia (550-553, 560)	92	25	15	18	26	1	5	2
19. Chronic liver disease and cirrhosis (571)	684	117	143	192	148	26	47	11
20. Nephritis, nephrotic syndrome and nephrosis (580-589)	413	83	44	149	93	22	19	3
21. Hyperplasia of prostate (600)	5	-	1	1	3	-	-	-
22. Complications of pregnancy, childbirth and the puerperium (630-676)	16	4	4	7	-	1	-	-
23. Congenital anomalies (740-759)	306	48	48	76	62	12	60	-
24. Certain conditions originating in the perinatal period (760-779)	496	80	78	181	108	14	35	-
25. Sudden infant death syndrome (798.0)	35	4	7	16	7	-	1	-
26. Symptoms, signs and ill-defined conditions (Rest of 780-799)	127	26	20	46	25	3	3	4
Pending final determination (799.9)	14	4	2	4	2	-	-	2
27. All other diseases	2,411	554	439	648	507	85	166	12
All External Causes	2,479	407	409	706	546	116	198	97
Firearms	516	56	129	178	85	20	42	6
28. Total accidents (E800-E949)	1,145	181	147	321	299	66	96	35
Accidental drug poisoning	18	5	1	3	2	-	2	5
Motor vehicle accidents (E810-E825)	387	41	42	127	106	29	34	8
Home accidents	390	67	55	111	112	19	22	4
29. Suicide and self inflicted injuries (E950-E959)	524	123	70	122	119	34	45	11
30. Homicide and legal intervention (E960-E969, E970-E978, E990-E999)	675	89	168	223	109	14	49	23
31. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	135	14	24	40	19	2	8	28

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

Table 4.

Chief Causes of Death in Specified Age Groups by Sex New York City, 1998

Males			Females	
Deaths	Percent		Deaths	Percent
ALL AGES				
11,261	38.1	Heart Diseases	14,225	45.2
7,014	23.7	Malignant Neoplasms	7,440	23.7
1,237	4.2	Pneumonia and Influenza	1,443	4.6
781	2.6	Cerebrovascular Disease	1,217	3.9
1,358	4.6	Human Immunodeficiency Virus Infection	620	2.0
745	2.5	Chronic Obstructive Pulmonary Disease	877	2.8
670	2.3	Diabetes Mellitus	878	2.8
735	2.5	Accidents Except Drug Poisoning	392	1.2
659	2.2	Drug Dependence and Accidental Drug Poisoning	184	0.6
500	1.7	Chronic Liver Disease and Cirrhosis	184	0.6
4,598	15.6	All Other Causes	3,992	12.7
29,558	100.0	Total	31,452	100.0
UNDER 1 YEAR				
98	22.1	Congenital Anomalies	89	22.2
57	12.9	Other Conditions of the Perinatal Period	60	15.0
57	12.9	Short Gestation and Low Birth Weight	49	12.3
44	9.9	Respiratory Conditions of Newborn	36	9.0
44	9.9	Respiratory Distress Syndrome	29	7.3
21	4.7	Sudden Infant Death Syndrome	14	3.5
7	1.6	Infections Specific to the Perinatal Period	17	4.3
12	2.7	Perinatal Disorders of Digestive System	11	2.8
9	2.0	Complications of Placenta, Cord, Membranes	10	2.5
8	1.8	Pneumonia and Influenza	10	2.5
86	19.4	All Other Causes	75	18.8
443	100.0	Total	400	100.0
1 TO 14 YEARS				
41	22.4	Malignant Neoplasms	21	12.9
40	21.9	Accidents Except Drug Poisoning	19	11.7
9	4.9	Congenital Anomalies	24	14.7
16	8.7	Diseases of Nervous System	17	10.4
14	7.7	Homicide	15	9.2
9	4.9	Heart Diseases	11	6.7
7	3.8	Human Immunodeficiency Virus Infection	8	4.9
6	3.3	Pneumonia and Influenza	5	3.1
6	3.3	Chronic Obstructive Pulmonary Disease	4	2.5
3	1.6	Other Infective and Parasitic Diseases	4	2.5
4	2.2	Benign and Unspecified Neoplasms	3	1.8
28	15.3	All Other Causes	31	19.0
183	100.0	Total	163	100.0
15 TO 24 YEARS				
196	40.7	Homicide	21	12.4
76	15.8	Accidents Except Drug Poisoning	22	13.0
37	7.7	Malignant Neoplasms	27	16.0
51	10.6	Suicide	9	5.3
25	5.2	Drug Dependence and Accidental Drug Poisoning	9	5.3
19	3.9	Heart Diseases	11	6.5
14	2.9	Congenital Anomalies	6	3.6
8	1.7	Human Immunodeficiency Virus Infection	12	7.1
12	2.5	Diseases of Nervous System	6	3.6
3	0.6	Pneumonia and Influenza	5	3.0
41	8.5	All Other Causes	41	24.3
482	100.0	Total	169	100.0
25 TO 34 YEARS				
183	19.0	Human Immunodeficiency Virus Infection	131	25.5
150	15.6	Homicide	36	7.0
128	13.3	Drug Dependence and Accidental Drug Poisoning	37	7.2
70	7.3	Malignant Neoplasms	93	18.1
98	10.2	Accidents Except Drug Poisoning	22	4.3
90	9.4	Suicide	17	3.3
68	7.1	Heart Diseases	29	5.7
12	1.2	Diseases of Nervous System	14	2.7
10	1.0	Chronic Obstructive Pulmonary Disease	12	2.3
9	0.9	Cerebrovascular Disease	12	2.3
144	15.0	All Other Causes	110	21.4
962	100.0	Total	513	100.0

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

Totals may not equal 100.0% due to rounding.

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

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
498	24.4	Human Immunodeficiency Virus Infection		280	23.2
214	10.5	Malignant Neoplasms		307	25.4
266	13.0	Heart Diseases		121	10.0
268	13.1	Drug Dependence and Accidental Drug Poisoning		91	7.5
88	4.3	Suicide		31	2.6
88	4.3	Accidents Except Drug Poisoning		25	2.1
85	4.2	Homicide		22	1.8
68	3.3	Chronic Liver Disease and Cirrhosis		26	2.2
62	3.0	Alcohol Dependence		18	1.5
36	1.8	Cerebrovascular Disease		39	3.2
366	17.9	All Other Causes		247	20.5
2,039	100.0	Total		1,207	100.0
		45 TO 54 YEARS			
744	22.7	Malignant Neoplasms		756	41.3
762	23.2	Heart Diseases		326	17.8
461	14.1	Human Immunodeficiency Virus Infection		134	7.3
192	5.9	Drug Dependence and Accidental Drug Poisoning		42	2.3
159	4.8	Chronic Liver Disease and Cirrhosis		42	2.3
92	2.8	Cerebrovascular Disease		83	4.5
80	2.4	Diabetes Mellitus		54	3.0
110	3.4	Accidents Except Drug Poisoning		22	1.2
97	3.0	Alcohol Dependence		26	1.4
72	2.2	Suicide		24	1.3
511	15.6	All Other Causes		321	17.5
3,280	100.0	Total		1,830	100.0
		55 TO 64 YEARS			
1,264	30.8	Malignant Neoplasms		1,231	42.0
1,421	34.7	Heart Diseases		812	27.7
145	3.5	Diabetes Mellitus		139	4.7
145	3.5	Cerebrovascular Disease		108	3.7
154	3.8	Human Immunodeficiency Virus Infection		40	1.4
106	2.6	Pneumonia and Influenza		65	2.2
127	3.1	Chronic Liver Disease and Cirrhosis		43	1.5
73	1.8	Chronic Obstructive Pulmonary Disease		92	3.1
89	2.2	Accidents Except Drug Poisoning		29	1.0
73	1.8	Alcohol Dependence		19	0.6
501	12.2	All Other Causes		350	12.0
4,098	100.0	Total		2,928	100.0
		65 TO 74 YEARS			
2,545	40.7	Heart Diseases		1,987	37.2
2,085	33.3	Malignant Neoplasms		1,890	35.4
192	3.1	Cerebrovascular Disease		208	3.9
219	3.5	Chronic Obstructive Pulmonary Disease		181	3.4
217	3.5	Pneumonia and Influenza		160	3.0
162	2.6	Diabetes Mellitus		192	3.6
91	1.5	Chronic Liver Disease and Cirrhosis		44	0.8
49	0.8	Hypertensive Disease		85	1.6
77	1.2	Accidents Except Drug Poisoning		47	0.9
34	0.5	Diseases of Nervous System		50	0.9
581	9.3	All Other Causes		500	9.4
6,252	100.0	Total		5,344	100.0
		75 TO 84 YEARS			
3,461	48.8	Heart Diseases		4,204	50.1
1,814	25.6	Malignant Neoplasms		1,968	23.4
413	5.8	Pneumonia and Influenza		374	4.5
181	2.6	Cerebrovascular Disease		342	4.1
248	3.5	Chronic Obstructive Pulmonary Disease		273	3.3
150	2.1	Diabetes Mellitus		272	3.2
81	1.1	Accidents Except Drug Poisoning		108	1.3
65	0.9	Hypertensive Disease		113	1.3
68	1.0	Nephritis and Nephrosis		62	0.7
61	0.9	Diseases of Nervous System		68	0.8
554	7.8	All Other Causes		613	7.3
7,096	100.0	Total		8,397	100.0
		85 AND OVER			
2,705	57.3	Heart Diseases		6,717	64.0
743	15.7	Malignant Neoplasms		1,146	10.9
379	8.0	Pneumonia and Influenza		761	7.2
121	2.6	Cerebrovascular Disease		420	4.0
126	2.7	Chronic Obstructive Pulmonary Disease		233	2.2
83	1.8	Diabetes Mellitus		187	1.8
71	1.5	Accidents Except Drug Poisoning		96	0.9
39	0.8	Hypertensive Disease		111	1.1
46	1.0	Nephritis and Nephrosis		72	0.7
30	0.6	Septicemia		86	0.8
380	8.0	All Other Causes		672	6.4
4,723	100.0	Total		10,501	100.0

Table 4a.

**Chief Causes of Death in Specified Ethnic Groups by Sex
New York City, 1998**

Males			Females	
Deaths	Percent		Deaths	Percent
PUERTO RICAN				
697	27.6	Heart Diseases	745	34.3
490	19.4	Malignant Neoplasms	454	20.9
253	10.0	Human Immunodeficiency Virus Infection	128	5.9
115	4.6	Pneumonia and Influenza	111	5.1
82	3.2	Diabetes Mellitus	114	5.3
85	3.4	Cerebrovascular Disease	95	4.4
70	2.8	Chronic Obstructive Pulmonary Disease	82	3.8
109	4.3	Chronic Liver Disease and Cirrhosis	26	1.2
110	4.4	Drug Dependence and Accidental Drug Poisoning	24	1.1
73	2.9	Accidents Except Drug Poisoning	34	1.6
443	17.5	All Other Causes	356	16.4
2,527	100.0	Total	2,169	100.0
OTHER HISPANIC				
449	26.2	Heart Diseases	476	34.1
364	21.2	Malignant Neoplasms	371	26.6
114	6.7	Human Immunodeficiency Virus Infection	36	2.6
69	4.0	Cerebrovascular Disease	75	5.4
65	3.8	Pneumonia and Influenza	56	4.0
96	5.6	Homicide	20	1.4
92	5.4	Accidents Except Drug Poisoning	21	1.5
26	1.5	Diabetes Mellitus	50	3.6
67	3.9	Drug Dependence and Accidental Drug Poisoning	8	0.6
34	2.0	Chronic Obstructive Pulmonary Disease	38	2.7
52	3.0	Chronic Liver Disease and Cirrhosis	20	1.4
285	16.6	All Other Causes	223	16.0
1,713	100.0	Total	1,394	100.0
ASIAN AND PACIFIC ISLANDER				
433	35.8	Heart Diseases	316	34.1
316	26.1	Malignant Neoplasms	264	28.5
69	5.7	Cerebrovascular Disease	58	6.3
53	4.4	Pneumonia and Influenza	45	4.9
42	3.5	Accidents Except Drug Poisoning	25	2.7
27	2.2	Diabetes Mellitus	29	3.1
31	2.6	Suicide	18	1.9
31	2.6	Chronic Obstructive Pulmonary Disease	15	1.6
16	1.3	Homicide	9	1.0
11	0.9	Chronic Liver Disease and Cirrhosis	9	1.0
182	15.0	All Other Causes	139	15.0
1,211	100.0	Total	927	100.0
OTHER WHITE				
7,293	45.0	Heart Diseases	9,597	51.8
4,126	25.5	Malignant Neoplasms	4,416	23.8
711	4.4	Pneumonia and Influenza	853	4.6
433	2.7	Chronic Obstructive Pulmonary Disease	528	2.8
339	2.1	Cerebrovascular Disease	601	3.2
304	1.9	Diabetes Mellitus	310	1.7
327	2.0	Accidents Except Drug Poisoning	226	1.2
285	1.8	Human Immunodeficiency Virus Infection	78	0.4
252	1.6	Drug Dependence and Accidental Drug Poisoning	71	0.4
135	0.8	Diseases of Nervous System	151	0.8
2,007	12.4	All Other Causes	1,710	9.2
16,212	100.0	Total	18,541	100.0
OTHER BLACK				
2,203	30.2	Heart Diseases	2,885	36.5
1,623	22.3	Malignant Neoplasms	1,839	23.3
651	8.9	Human Immunodeficiency Virus Infection	362	4.6
265	3.6	Pneumonia and Influenza	350	4.4
212	2.9	Cerebrovascular Disease	373	4.7
213	2.9	Diabetes Mellitus	366	4.6
162	2.2	Chronic Obstructive Pulmonary Disease	200	2.5
293	4.0	Homicide	64	0.8
210	2.9	Drug Dependence and Accidental Drug Poisoning	77	1.0
191	2.6	Accidents Except Drug Poisoning	80	1.0
1,267	17.4	All Other Causes	1,310	16.6
7,290	100.0	Total	7,906	100.0

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

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

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

Table 5.

Deaths and Death Rates per 100,000 Population from Selected Causes by Health Center District of Residence, New York City, 1998

Health Center District	Population April 1, 1990	All Causes		Heart Diseases		Malignant Neoplasms		HIV Infection		Pneumonia and Influenza		Cerebrovascular Disease		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence & Accidental Drug Poisoning		Accidents Except Drug Poisoning		Suicide		Homicide		Injury Undetermined	
		No.	Rate Per 1,000	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
NEW YORK CITY.....	7,322,564	61,010*	8.3	25,486	348.0	14,454	197.4	1,978	27.0	2,680	36.6	1,998	27.3	1,622	22.2	684	9.3	1,548	21.1	843	11.5	1,127	15.4	524	7.2	675	9.2	135	1.8
MANHATTAN.....	1,487,536	11,169	7.5	4,043	271.8	2,754	185.1	516	34.7	601	40.4	419	28.2	352	23.7	117	7.9	262	17.6	180	12.1	176	11.8	123	8.3	89	6.0	14	0.9
Central Harlem.....	115,483	1,420	12.3	415	359.4	324	280.6	84	72.7	71	61.5	56	48.5	58	50.2	16	13.9	49	42.4	34	29.4	24	20.8	9	7.8	16	13.9	6	5.2
East Harlem.....	127,258	1,113	8.7	321	252.2	258	202.7	74	58.1	76	59.7	40	31.4	25	19.6	16	12.6	37	29.1	26	20.4	16	12.6	12	9.4	21	16.5	-	-
Kips Bay-Yorkville.....	235,583	1,626	6.9	689	292.5	444	188.5	26	11.0	90	38.2	62	26.3	53	22.5	13	5.5	21	8.9	10	4.2	26	11.0	15	6.4	3	1.3	2	0.8
Lower East Side.....	239,489	1,873	7.8	670	279.8	480	200.4	100	41.8	96	40.1	75	31.3	57	23.8	19	7.9	42	17.5	29	12.1	27	11.3	27	11.3	12	5.0	1	0.4
Lower West Side.....	294,275	2,038	6.9	790	268.5	542	184.2	103	35.0	82	27.9	63	21.4	67	22.8	12	4.1	25	8.5	41	13.9	39	13.3	31	10.5	11	3.7	2	0.7
Riverside.....	208,936	1,499	7.2	580	277.6	362	173.3	66	31.6	82	39.2	61	29.2	42	20.1	19	9.1	43	20.6	24	11.5	19	9.1	13	6.2	8	3.8	2	1.0
Washington Heights.....	266,512	1,599	6.0	578	216.9	344	129.1	63	23.6	104	39.0	61	22.9	50	18.8	22	8.3	45	16.9	16	6.0	25	9.4	16	6.0	18	6.8	1	0.4
BRONX.....	1,203,789	9,592	8.0	3,619	300.6	1,984	164.8	495	41.1	498	41.4	374	31.1	273	22.7	143	11.9	325	27.0	180	15.0	146	12.1	70	5.8	168	14.0	24	2.0
Fordham-Riverdale.....	245,226	2,210	9.0	933	380.5	440	179.4	81	33.0	146	59.5	83	33.8	58	23.7	23	9.4	50	20.4	39	15.9	31	12.6	16	6.5	25	10.2	4	1.6
Morrisania.....	144,743	1,149	7.9	311	214.9	221	152.7	104	71.9	71	49.1	58	40.1	36	24.9	34	23.5	43	29.7	41	28.3	21	14.5	8	5.5	27	18.7	2	1.4
Mott Haven.....	129,817	785	6.0	203	156.4	173	133.3	62	47.8	37	28.5	30	23.1	27	20.8	20	15.4	46	35.4	19	14.6	13	10.0	11	8.5	21	16.2	2	1.5
Pelham Bay.....	218,114	2,112	9.7	972	445.6	430	197.1	40	18.3	114	52.3	74	33.9	56	25.7	15	6.9	65	29.8	13	6.0	28	12.8	14	6.4	26	11.9	5	2.3
Tremont.....	190,532	1,007	5.3	226	118.6	204	107.1	119	62.5	37	19.4	36	18.9	30	15.7	17	8.9	54	28.3	37	19.4	14	7.3	7	3.7	43	22.6	6	3.1
Westchester.....	275,357	2,327	8.5	974	353.7	515	187.0	89	32.3	93	33.8	93	33.8	66	24.0	34	12.3	67	24.3	31	11.3	39	14.2	14	5.1	26	9.4	5	1.8
BROOKLYN.....	2,300,664	17,869	7.8	7,853	341.3	3,997	173.7	609	26.5	749	32.6	535	23.3	435	18.9	192	8.3	495	21.5	209	9.1	318	13.8	122	5.3	223	9.7	40	1.7
Bay Ridge.....	238,428	2,463	10.3	1,288	540.2	581	243.7	16	6.7	93	39.0	58	24.3	62	26.0	20	8.4	45	18.9	17	7.1	31	13.0	23	9.6	7	2.9	6	2.5
Bedford.....	232,911	1,779	7.6	619	265.8	376	161.4	117	50.2	82	35.2	65	27.9	39	16.7	32	13.7	65	27.9	25	10.7	28	12.0	8	3.4	31	13.3	6	2.6
Brownsville.....	278,444	1,969	7.1	742	266.5	436	156.6	107	38.4	68	24.4	70	25.1	56	20.1	30	10.8	70	25.1	34	12.2	43	15.4	17	6.1	45	16.2	4	1.4
Bushwick.....	182,574	1,080	5.9	360	197.2	205	112.3	72	39.4	43	23.6	35	19.2	27	14.8	19	10.4	59	32.3	28	15.3	27	14.8	7	3.8	32	17.5	6	3.3
Flatbush.....	502,102	3,354	6.7	1,560	310.7	737	146.8	94	18.7	157	31.3	109	21.7	79	15.7	18	3.6	78	15.5	29	5.8	55	11.0	16	3.2	44	8.8	3	0.6
Fort Greene.....	150,219	1,121	7.5	393	261.6	266	177.1	83	55.3	53	35.3	36	24.0	34	22.6	8	5.3	32	21.3	25	16.6	19	12.6	5	3.3	11	7.3	1	0.7
Gravesend.....	284,040	3,201	11.3	1,665	586.2	755	265.8	21	7.4	129	45.4	74	26.1	66	23.2	20	7.0	57	20.1	14	4.9	57	20.1	19	6.7	20	7.0	7	2.5
Red Hook-Gowanus.....	105,661	769	7.3	304	287.7	193	182.7	29	27.4	37	35.0	10	9.5	16	15.1	14	13.2	24	22.7	9	8.5	15	14.2	10	9.5	7	6.6	2	1.9
Sunset Park.....	170,313	1,149	6.7	525	308.3	249	146.2	31	18.2	43	25.2	42	24.7	28	16.4	13	7.6	32	18.8	13	7.6	18	10.6	9	5.3	11	6.5	1	0.6
Williamsburg-Greenpoint.....	155,972	982	6.3	397	254.5	199	127.6	38	24.4	44	28.2	36	23.1	28	18.0	18	11.5	32	20.5	15	9.6	25	16.0	8	5.1	15	9.6	4	2.6
QUEENS.....	1,951,598	14,639	7.5	7,126	365.1	3,314	169.8	215	11.0	511	26.2	471	24.1	377	19.3	148	7.6	314	16.1	120	6.1	297	15.2	119	6.1	109	5.6	19	1.0
Astoria.....	236,369	1,592	6.7	723	305.9	384	162.5	30	12.7	62	26.2	54	22.8	54	22.8	19	8.0	30	12.7	11	4.7	30	12.7	11	4.7	8	3.4	2	0.8
Corona.....	291,005	1,730	5.9	742	255.0	409	140.5	34	11.7	75	25.8	57	19.6	48	16.5	29	10.0	27	9.3	14	4.8	40	13.7	17	5.8	22	7.6	2	0.7
Flushing.....	456,393	3,484	7.6	1,813	397.2	854	187.1	26	5.7	105	23.0	108	23.7	77	16.9	17	3.7	57	12.5	27	5.9	57	12.5	28	6.1	13	2.8	1	0.2
Jamaica East.....	337,312	2,254	6.7	977	289.6	524	155.3	60	17.8	78	23.1	85	25.2	45	13.3	35	10.4	71	21.0	18	5.3	42	12.5	17	5.0	33	9.8	5	1.5
Jamaica West.....	361,199	3,034	8.4	1,584	438.5	575	159.2	42	11.6	90	24.9	90	24.9	85	23.5	26	7.2	65	18.0	25	6.9	73	20.2	26	7.2	24	6.6	6	1.7
Maspeth-Forest Hills.....	269,320	2,545	9.4	1,287	477.9	568	210.9	23	8.5	101	37.5	77	28.6	68	25.2	22	8.2	64	23.8	25	9.3	55	20.4	20	7.4	9	3.3	3	1.1
RICHMOND.....	378,977	3,365	8.9	1,507	397.6	853	225.1	49	12.9	198	52.2	97	25.6	121	31.9	26	6.9	90	23.7	23	6.1	66	17.4	34	9.0	14	3.7	2	0.5
NON-RESIDENTS.....	-	3,957	-	1,239	-	1,514	-	59	-	109	-	94	-	57	-	47	-	60	-	81	-	94	-	45	-	49	-	8	-
RESIDENCE UNKNOWN.....	-	419	-	99	-	38	-	35	-	14	-	8	-	7	-	11	-	2	-	50	-	30	-	11	-	23	-	28	-

*Deaths include events to non-residents

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

Table 6.

**Deaths by Place of Death
New York City, 1988-1998**

Place of Death	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Home.....	14,862	13,564	13,204	13,271	13,293	13,943	12,822	12,973	12,197	11,800	11,647
Hospital											
Voluntary.....	38,487	40,807	40,023	39,503	39,009	39,682	39,103	39,609	37,288	34,612	33,911
Proprietary.....	3,067	2,800	2,646	2,710	2,610	2,638	2,520	1,928	1,837	1,672	1,460
Municipal.....	11,579	10,957	10,202	9,376	8,517	8,845	8,231	7,710	7,046	6,158	5,716
Other Government.....	1,385	1,426	1,335	1,223	1,254	1,213	1,172	1,053	959	925	812
Nursing Home.....	5,679	3,790	3,891	3,791	3,848	4,564	5,110	5,551	5,753	5,746	5,880
Other Specified Place.....	2,758	2,613	2,574	2,547	2,468	2,516	2,080	1,945	1,704	1,593	1,584
Total.....	77,817	75,957	73,875	72,421	71,001	73,408	71,038	70,769	66,784	62,506	61,010

Table 7.

**Deaths by Ancestry and Borough of Residence
New York City, 1998**

Ancestry	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican.....	4,696	1,099	1,807	1,228	362	76	102	22
Dominican.....	992	398	277	152	137	3	24	1
Colombian.....	220	26	14	18	144	4	14	-
Ecuadorian.....	221	38	33	43	99	2	6	-
Mexican.....	139	33	21	35	39	5	6	-
Cuban.....	456	147	85	57	128	6	31	2
Other Hispanic.....	1,079	180	178	348	256	22	43	52
African-American.....	12,657	2,764	2,664	4,198	2,322	214	425	70
American.....	13,638	2,851	1,584	3,319	3,351	1,118	1,397	18
Guyanese.....	407	4	42	173	169	3	14	2
Haitian.....	488	30	7	287	133	2	27	2
Jamaican.....	455	24	77	249	74	5	26	-
Trinidadian.....	193	8	14	118	46	1	6	-
All Other North, Central and South American	964	117	197	404	192	12	40	2
English.....	371	83	28	49	102	63	44	2
German.....	1,789	357	172	199	789	97	170	5
Irish.....	2,949	376	403	572	952	325	309	12
Italian.....	6,957	418	847	2,360	1,837	974	512	9
Polish.....	1,611	192	190	615	467	62	84	1
Russian.....	1,694	201	134	956	329	30	42	2
Other European.....	2,810	529	273	650	1,037	142	175	4
Asian Indian.....	204	14	10	19	115	10	34	2
Bangladeshi.....	37	4	4	12	15	-	2	-
Chinese.....	1,339	498	20	350	391	28	51	1
Filipino.....	144	23	11	18	65	9	18	-
Korean.....	199	13	7	7	139	12	20	1
Pakistani.....	74	3	3	29	30	3	6	-
Other Asian.....	386	67	47	107	98	10	57	-
Jewish or Hebrew.....	1,727	191	118	824	434	23	135	2
Other & Not Stated.....	2,114	481	325	473	387	104	137	207
Total.....	61,010	11,169	9,592	17,869	14,639	3,365	3,957	419

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

Table 7a.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 1998**

Characteristic	All Deaths	Sex		Age Group						
		Male	Female	<20	20-24	25-34	35-44	45-54	55-64	65+
Selected Events										
Transportation incident.....	10	10	0	0	0	4	3	3	0	0
Assaults and violent acts.....	39	36	3	1	3	8	10	14	1	2
Homicide.....	35	32	3	1	3	8	9	12	0	2
Shooting.....	25	23	2	1	3	6	7	8	0	0
Falls.....	19	17	2	1	0	0	3	10	4	1
Selected Industries										
Construction.....	19	18	1	0	1	2	6	7	3	0
Taxicabs.....	11	11	0	0	1	3	3	4	0	0
Grocery stores.....	9	9	0	1	1	1	2	4	0	0
Eating and drinking places.....	4	3	1	1	0	1	1	0	0	1
Police and fire protection.....	10	10	0	0	0	4	3	3	0	0
Race										
White.....	47	45	2	1	3	5	12	18	7	1
Black.....	19	18	1	1	0	5	4	7	1	1
Other.....	28	25	3	2	2	7	6	10	0	1
Hispanic Ancestry.....	24	22	2	3	2	5	4	8	2	0
Total.....	94	88	6	4	5	17	22	35	8	3

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

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 1998

Table 8. Accidents

Type	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,145	20	10	13	6	12	5	31	11	45	11	101	23	95	27	113	23	89	29	77	48	152	204
Work	41	-	-	-	-	-	-	1	-	2	-	6	-	10	-	15	-	7	-	-	-	-	-
Accidental drug poisoning	18	-	-	-	-	-	-	-	-	-	-	3	1	7	2	3	1	-	-	-	1	-	-
Firearms	3	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Home																							
Poisoning (gas excepted)	5	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	1	-	-	1
Poisoning by gas and vapors	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	2	-
Falls	265	5	-	1	-	2	-	3	-	1	-	7	2	8	3	14	2	14	8	18	9	63	105
Fire and flames	69	2	2	2	1	1	-	-	1	2	1	2	4	5	1	7	1	4	1	10	3	6	13
Drowning	8	-	2	-	-	-	1	-	-	1	-	-	1	1	-	-	-	-	1	1	-	-	-
Suffocation	19	5	3	-	-	-	-	-	-	2	-	-	-	-	2	3	1	1	1	-	-	1	-
Other home accidents	17	3	2	-	-	-	-	-	-	1	-	1	-	-	1	-	-	1	-	1	-	3	4
Motor Vehicle																							
Injury to pedestrian	186	2	-	7	4	2	1	1	-	2	3	13	7	17	4	20	4	24	6	12	11	24	22
Collision with other motor vehicle	65	2	1	1	1	-	-	3	1	12	1	17	1	4	3	4	1	3	-	1	1	8	-
Collision with fixed object	55	-	-	1	-	1	-	9	4	7	2	9	1	6	-	5	2	2	1	2	1	2	-
Non-collision	16	-	-	-	-	-	-	2	1	4	-	4	-	-	-	1	-	1	-	-	-	2	1
Other motor vehicle accident	65	-	-	1	-	1	1	5	2	4	2	9	1	7	2	5	1	7	1	4	3	3	6
Public Place																							
Railroad and subway	22	-	-	-	-	1	-	2	-	2	-	7	-	4	1	4	-	-	-	1	-	-	-
Falls	156	-	-	-	-	-	-	1	-	3	-	7	-	13	2	14	4	17	6	12	7	30	40
Fire and flames	8	-	-	-	-	-	1	-	-	-	-	2	-	1	-	2	-	-	-	1	1	-	-
Drowning	19	1	-	-	-	3	-	3	-	1	-	3	-	3	-	1	-	2	-	1	1	-	-
Other	89	-	-	-	-	-	1	-	2	-	2	5	3	8	5	11	4	4	4	11	9	8	12
Late effects	14	-	-	-	-	-	-	-	-	-	-	5	2	1	1	2	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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	524	-	-	-	-	-	-	18	3	33	6	90	17	88	31	72	24	36	17	31	12	33	13
Poisoning by solid or liquid substances	62	-	-	-	-	-	-	-	1	2	1	9	3	12	10	6	4	3	3	3	2	2	1
Poisoning by gases and vapors	6	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	1	1	1	-	-
Hanging, strangulation and suffocation	164	-	-	-	-	-	-	4	1	8	2	32	3	34	8	26	3	14	1	10	4	10	4
Submersion (drowning)	20	-	-	-	-	-	-	-	-	1	-	6	2	3	-	3	-	-	-	1	1	1	2
Firearms	110	-	-	-	-	-	-	5	-	12	-	25	1	19	2	11	3	13	-	8	-	10	1
Jumping before moving object	21	-	-	-	-	-	-	1	1	1	-	3	2	3	-	2	3	-	2	2	-	1	-
Cutting and piercing instruments	10	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	1	1	1	-	1	1	1
Jumping from high place	119	-	-	-	-	-	-	7	-	9	3	10	6	13	11	18	9	5	9	6	1	8	4
Other and unspecified means	12	-	-	-	-	-	-	1	-	-	-	3	-	3	-	3	-	-	-	-	2	-	-
Late effects	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 1998 - CONTINUED

Table 10. Homicide and Legal Intervention

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	675	14	19	3	3	2	4	62	8	134	13	150	36	85	22	55	14	19	8	9	5	3	7
Poisoning	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Hanging and strangulation	35	1	-	1	-	1	-	3	2	1	3	8	3	5	-	2	-	1	-	-	-	-	4
Submersion (drowning)	4	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearms	395	-	-	-	-	1	1	55	4	110	7	104	11	49	9	27	2	9	-	3	1	2	-
Cutting and piercing	112	-	-	-	-	1	1	6	-	17	4	28	9	17	4	11	5	5	3	1	1	-	-
Child battering	15	4	9	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire and flames	12	2	1	2	-	-	-	-	-	1	-	1	3	-	1	1	-	-	-	-	-	-	-
Pushing from high place	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Striking with object	14	3	1	-	-	-	-	1	-	-	-	2	-	2	1	2	1	-	-	1	-	-	-
Fight, brawl, or rape	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Late effects	6	-	-	-	-	-	-	-	-	-	-	2	1	-	1	1	-	1	-	-	-	-	-
Other and unspecified means	71	3	6	-	-	1	1	1	-	1	-	7	5	9	2	13	3	4	4	4	3	1	3
Legal intervention, all	9	-	-	-	-	-	-	-	-	4	-	4	-	1	-	-	-	-	-	-	-	-	-

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

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	135	8	9	1	0	0	0	2	0	3	0	11	5	30	10	21	8	10	4	4	7	0	2
Fire and flames	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1
Poisoning by solid or liquid substance	21	-	-	-	-	-	-	1	-	1	-	1	1	5	4	5	1	-	1	-	1	-	-
Poisoning by gases in domestic use	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poisoning by other gases	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hanging, strangulation or suffocation	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Submersion (drowning)	22	-	1	-	-	-	-	1	-	1	-	3	-	9	1	4	-	1	-	1	-	-	-
Firearms	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling from high places	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-
Other and unspecified means	86	8	8	1	-	-	-	-	-	1	-	6	4	15	5	11	7	9	2	3	5	-	1

Table 12.

Deaths from HIV Infection by Sex and Ethnic Group, New York City, 1983-1998

AGE GROUP/ETHNIC GROUP	MALE											FEMALE										
	1983-1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1983-1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
ALL AGES Total	10,713	3,553	3,764	4,213	4,567	4,746	5,267	5,240	3,616	1,850	1,358	1,942	729	852	1,015	1,222	1,374	1,835	1,806	1,382	775	620
Puerto Rican	1,738	680	572	609	679	695	1,075	1,082	784	401	253	434	164	174	185	218	268	399	432	321	170	128
Other Hispanic	921	312	385	478	543	586	441	473	290	154	114	109	61	63	101	117	132	109	111	78	33	36
Asian & Pacific Islander	91	33	26	30	29	23	31	52	23	16	10	7	3	3	3	4	7	5	2	4	4	2
Other White	3,914	1,207	1,297	1,297	1,407	1,318	1,449	1,452	888	369	285	273	111	124	147	174	177	289	280	200	97	78
Other Black	3,407	1,106	1,175	1,452	1,526	1,698	2,133	2,083	1,543	874	651	972	363	414	501	603	673	991	958	760	457	362
Other & Unknown	642	215	309	347	383	426	138	98	88	36	45	147	27	74	78	106	117	42	23	19	14	14
UNDER 1 Total	49	19	18	16	7	13	11	12	7	2	1	50	17	21	11	8	13	20	2	6	3	1
Puerto Rican	11	5	2	3	-	1	2	-	-	-	-	4	4	4	-	1	1	3	-	1	-	-
Other Hispanic	2	6	2	1	1	2	-	1	-	-	-	5	3	1	-	2	2	-	-	-	-	-
Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-
Other White	13	1	4	-	-	2	3	3	4	-	1	6	1	2	1	-	1	5	-	1	-	-
Other Black	19	6	8	12	6	8	6	7	2	2	-	29	9	14	8	4	9	10	2	4	3	1
Other & Unknown	3	1	2	-	-	-	-	1	1	-	-	6	-	-	2	1	-	2	-	-	-	-
1-14 Total	93	32	41	39	42	37	51	53	48	20	7	99	20	31	42	33	45	45	60	44	16	8
Puerto Rican	17	7	8	7	6	5	13	9	9	5	2	16	3	9	12	3	7	6	11	7	3	1
Other Hispanic	8	2	3	7	10	7	5	4	2	2	-	9	2	4	5	4	7	3	4	5	1	-
Asian & Pacific Islander	2	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-	-	1	-	-	-
Other White	12	5	5	2	8	4	6	19	13	2	1	18	4	3	4	4	1	9	15	8	1	2
Other Black	52	18	23	21	12	18	25	21	22	10	4	46	10	13	16	18	27	26	28	23	11	5
Other & Unknown	2	-	2	2	6	3	1	-	2	1	-	9	1	2	5	3	3	1	1	1	-	-
15-24 Total	242	57	50	31	39	46	53	38	15	12	8	97	36	27	30	29	32	39	34	18	11	12
Puerto Rican	60	16	10	6	13	2	9	7	3	3	-	29	12	4	5	5	6	10	9	6	2	2
Other Hispanic	25	11	11	3	4	10	8	5	2	2	1	6	1	2	5	1	4	4	4	3	-	-
Asian & Pacific Islander	1	-	-	-	-	1	2	-	-	-	-	0	-	-	1	1	-	-	-	-	-	-
Other White	51	6	8	5	4	6	8	8	3	2	1	10	7	5	3	8	5	3	5	1	-	1
Other Black	85	23	17	14	17	23	27	15	6	5	5	45	12	12	13	14	14	21	15	6	8	8
Other & Unknown	20	1	4	3	1	5	-	1	1	-	1	7	4	4	3	-	3	1	1	2	1	1
25-34 Total	3,502	976	997	1,041	1,008	1,014	1,002	1,028	619	277	183	920	301	322	337	382	386	512	510	317	157	131
Puerto Rican	712	229	195	188	169	169	215	237	148	61	29	210	81	72	68	83	72	121	130	72	34	26
Other Hispanic	300	94	116	167	145	199	109	110	56	28	19	44	32	24	36	53	51	30	24	21	10	12
Asian & Pacific Islander	19	9	3	5	2	6	5	16	3	5	1	3	1	-	-	1	2	2	-	2	-	1
Other White	1,116	300	306	273	281	250	279	282	125	56	38	131	45	50	56	50	44	85	84	55	22	14
Other Black	1,139	289	309	318	326	305	377	366	276	122	90	467	132	155	150	161	186	263	268	166	88	76
Other & Unknown	216	55	68	90	85	85	17	17	11	5	6	65	10	21	27	34	31	11	4	1	3	2
35-44 Total	4,408	1,540	1,725	2,015	2,138	2,154	2,408	2,308	1,517	754	498	587	269	335	413	534	636	830	811	617	345	280
Puerto Rican	692	286	254	274	319	300	513	466	318	175	100	137	47	62	73	85	122	163	181	130	78	51
Other Hispanic	354	120	167	205	223	238	179	192	121	63	52	36	14	22	35	37	46	45	49	31	16	17
Asian & Pacific Islander	40	14	15	20	13	9	12	14	9	6	3	0	1	2	1	-	3	2	-	1	1	-
Other White	1,625	503	600	644	673	622	696	682	396	165	118	78	36	44	61	73	91	139	130	100	51	42
Other Black	1,446	524	545	714	737	794	939	917	646	336	211	292	161	173	213	287	319	463	439	342	191	164
Other & Unknown	251	93	144	158	173	191	69	37	27	9	14	44	10	32	30	52	55	18	12	13	8	6
45-54 Total	1,737	661	685	758	959	1,066	1,255	1,312	1,019	549	461	129	56	75	128	165	194	288	287	294	185	134
Puerto Rican	193	111	79	98	134	167	249	269	229	120	83	31	15	16	19	30	42	74	78	77	36	36
Other Hispanic	177	57	67	64	115	83	91	101	67	42	28	8	5	5	14	16	15	15	22	12	3	5
Asian & Pacific Islander	18	8	7	3	12	8	9	14	5	3	4	1	-	-	1	2	1	-	1	1	-	-
Other White	746	268	278	257	320	311	325	337	264	107	99	13	9	11	15	28	25	35	32	29	20	13
Other Black	493	176	194	264	289	395	547	552	421	262	230	64	26	31	71	83	90	155	153	173	123	77
Other & Unknown	110	41	60	72	89	102	34	39	33	15	17	12	1	12	9	7	20	8	2	2	2	3
55 & OVER Total	682	268	248	313	374	416	487	489	391	236	200	60	30	41	54	71	68	101	102	86	58	54
Puerto Rican	53	26	24	33	38	51	74	94	77	37	39	7	2	7	8	11	18	22	23	28	17	12
Other Hispanic	55	22	19	31	45	47	49	60	42	17	14	1	4	5	6	4	7	12	8	6	3	2
Asian & Pacific Islander	10	2	1	2	2	-	3	6	6	2	2	2	1	1	1	-	-	-	1	-	2	1
Other White	351	124	96	116	121	123	121	83	37	27	17	17	9	9	7	11	10	13	14	6	3	6
Other Black	173	70	79	109	139	155	212	205	170	137	111	29	13	16	30	36	28	53	53	46	33	31
Other & Unknown	40	24	29	22	29	40	17	3	13	6	7	4	1	3	2	9	5	1	3	-	-	2

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

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

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

Table 13.

Characteristics of Decedents With Selected Causes of Death, New York City, 1998

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics								
		Ethnic Group						Male	Never Married	Age Under 20
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other & Unknown			
All Causes	61,010	7.7	5.1	3.5	57.0	24.9	1.8	48.4	22.0	2.3
HIV Infection	1,978	19.3	7.6	0.6	18.4	51.2	3.0	68.7	62.3	0.9
Chronic Liver Disease & Cirrhosis	684	19.7	10.5	2.9	36.0	28.4	2.5	73.1	27.3	0.0
Drug Dependence and										
Accidental Drug Poisoning	843	15.9	8.9	0.6	38.3	34.0	2.3	78.2	58.1	0.8
Motor Vehicle Accidents	387	8.5	11.4	10.1	43.7	25.1	1.3	73.1	44.7	14.0
Other Accidents	740	10.0	9.3	3.8	51.9	23.5	1.5	61.1	32.2	7.3
Suicide	524	9.7	8.4	9.4	52.9	18.3	1.3	76.5	45.4	4.0
Homicide	675	7.7	17.2	3.7	16.9	52.9	1.6	79.4	68.6	17.0
Injury Undetermined	135	5.9	5.2	3.0	40.7	40.0	5.2	66.7	47.4	14.8
All Other Causes	55,044	7.0	4.6	3.6	59.6	23.5	1.8	45.9	18.7	2.1

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

Table 14.

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

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

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

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

Table 15. Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-1991

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

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

Table 16. Average Yearly Age-Sex-Race Adjusted Death Rates for Selected Causes per 100,000 Population New York City, 1901-1991

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

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

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

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

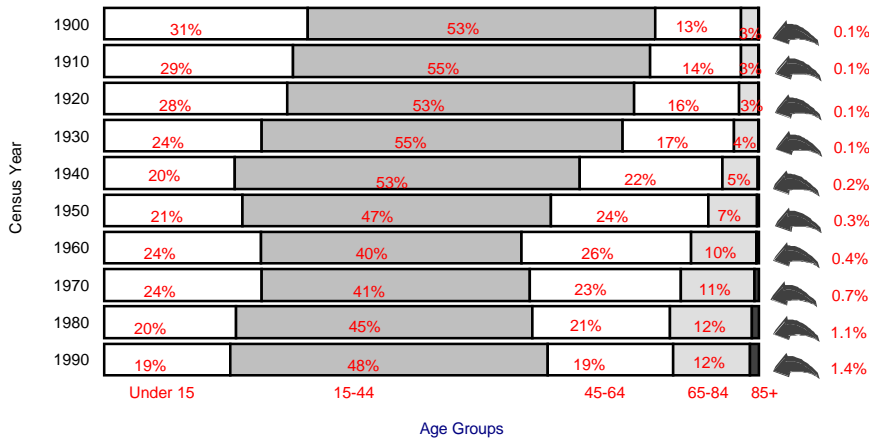


Figure 1. Changes in Age Composition of the Population New York City, 1900-1990

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

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

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

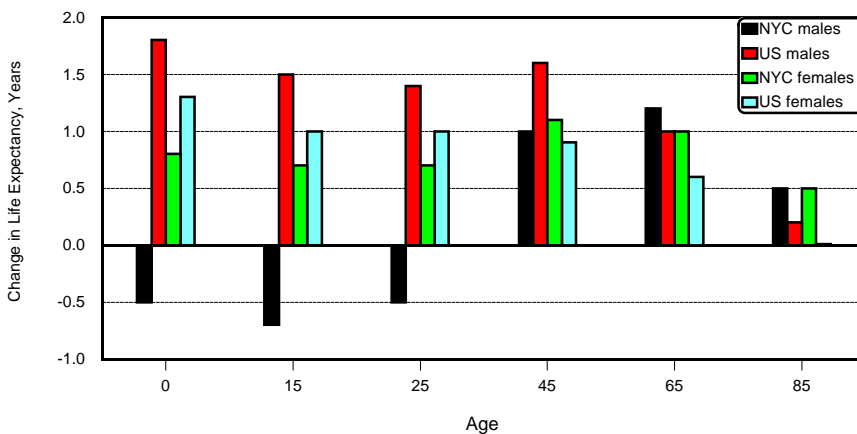
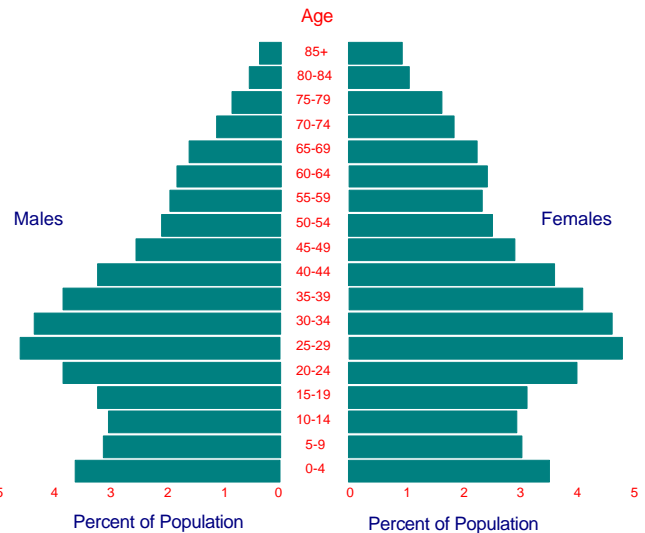


Figure 3. Changes in Life Expectancy at Selected Ages by Sex, 1980 and 1990 New York City and United States

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

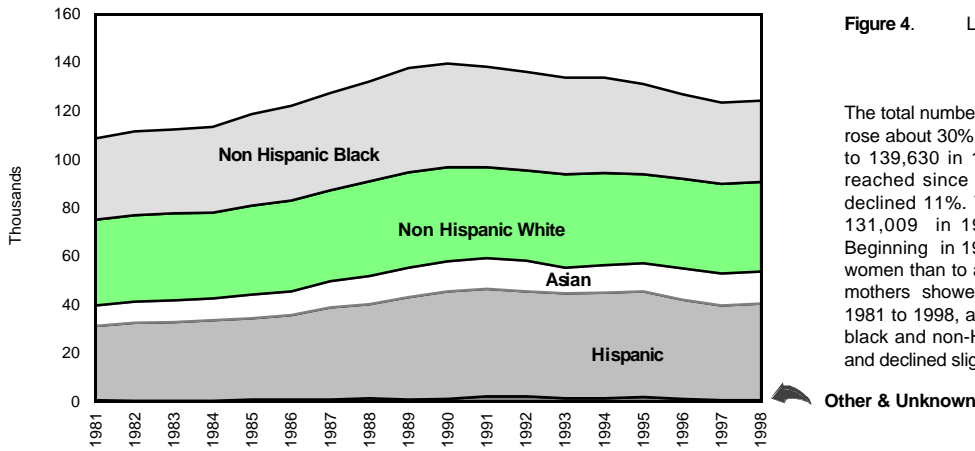


Figure 4. Live Births by Mother's Ethnic Group
New York City, 1981-1998

The total number of live births registered in New York City rose about 30% during the 1980's from 108,547 in 1981 to 139,630 in 1990. This was the highest number reached since 1970. During the 1990's, live births declined 11%. The largest year-to-year decline, from 131,009 in 1995 to 126,901 in 1996, was 3.1%. Beginning in 1990, there were more births to Hispanic women than to any other ethnic group. Births to Asian mothers showed the largest proportional increase from 1981 to 1998, almost 56%. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989, and declined slightly thereafter.

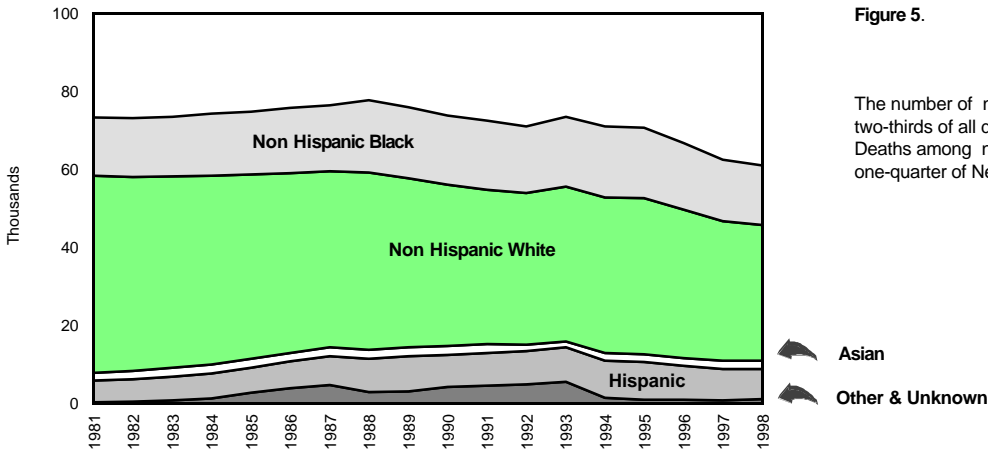


Figure 5. Deaths by Ethnic Group of Decedent
New York City, 1981-1998

The number of non-Hispanic white decedents declined from two-thirds of all decedents to just over half from 1981 to 1998. Deaths among non-Hispanic blacks now constitute about one-quarter of New York City deaths.

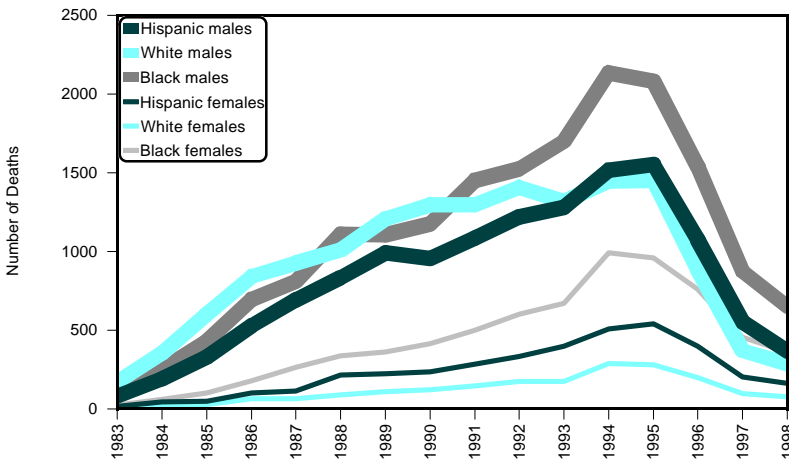


Figure 6. Deaths Due to HIV Infection
by Sex and Selected Ethnic Group
New York City, 1983-1998

The number of deaths due to HIV infection declined 72% from 1994 to 1998. Deaths declined 74% among males and 66% among females. Deaths declined among all ethnic groups as well. The decline is attributed to the introduction of new drugs, protease inhibitors, and to increased access to medical care under the Ryan White Care Act. Depictions of deaths due to AIDS only for 1983-1996 can be found in the New York City Vital Statistics Summaries for 1991-1996. See the Technical Notes for a discussion of HIV infection and AIDS as the cause of death.

Table 17.

Deaths and Crude Death Rates per 100,000 Population from

Cause (ICD-9 Codes (1))	ANNUAL											
	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955
Infant deaths (under 1 year)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882	4,021
Rate per 1,000 live births.	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5	24.6
Neonatal deaths (under 28 days).	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births.	**	**	37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early neonatal deaths (under 7 days).	**	**	**	**	**	**	**	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births.	**	**	**	**	**	**	**	20.5	18.5	17.7	16.4	16.6
Fetal deaths 28 weeks gestation & over.	**	**	**	**	**	**	**	2,589	2,709	2,902	2,441	2,310
Ratio per 1,000 live births.	**	**	**	**	**	**	**	25.3	21.4	18.1	15.4	14.1
Perinatal mortality rat (2)	**	**	**	**	**	**	**	44.7	39.1	35.1	31.3	30.2
Complications of pregnancy, childbirth and the puerperium (630-676).	694	745	694	664	689	651	608	372	255	178	115	102
Rate per 10,000 live births.	53.7	51.7	49.4	48.8	52.8	51.8	57.3	36.3	20.2	11.1	7.3	6.2
Respiratory tuberculosis (010-012).	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932	2,173	1,178
Rate.	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7	27.4	15.0
Other forms of tuberculosis (013-018).	**	**	**	**	**	**	**	**	**	225	174	97
Rate.	**	**	**	**	**	**	**	**	**	2.9	2.2	1.2
Human immunodeficiency virus infection (042-044) . . (3)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**
Measles (055).	616	925	630	559	405	255	107	31	14	16	10	12
Rate	144.0	191.8	119.8	100.5	73.2	46.8	21.4	6.5	2.6	2.4	1.4	1.8
Malignant neoplasms, all (140-208).	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627	15,556	16,553
Rate.	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2	196.0	210.6
Trachea, bronchus and lung, male (162).	**	**	**	**	**	**	**	**	**	828	847	1,021
Rate.	**	**	**	**	**	**	**	**	**	21.9	22.2	27.0
Trachea, bronchus and lung, female (162).	**	**	**	**	**	**	**	**	**	220	179	228
Rate.	**	**	**	**	**	**	**	**	**	5.5	4.4	5.6
Breast, female (174).	**	**	**	**	**	**	**	**	**	1,429	1,476	1,517
Rate.	**	**	**	**	**	**	**	**	**	35.9	36.4	37.3
Diabetes mellitus (250).	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423	1,583	1,644
Rate.	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0	19.9	20.9
Circulatory system (390-459).	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539	36,206	37,724
Rate.	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7	456.3	479.9
Cerebrovascular disease (430-438).	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099	5,688
Rate.	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7	64.3	72.4
Pneumonia & Influenza (480-487).	10,425	10,985	10,528	17,136	8,935	9,989	8,205	5,337	3,453	3,014	2,469	2,664
Rate.	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8	31.2	33.9
Other respiratory (460-478, 490-519).	3,224	2,307	1,458	1,407	689	622	594	536	492	424	450	461
Rate.	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5	5.7	5.9
Chronic liver disease & cirrhosis (571).	814	1,076	900	500	338	413	584	922	1,052	1,500	1,500	1,440
Rate.	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5	19.2	18.3
Nephritis, nephrosis, etc (580-589).	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574	570	556
Rate.	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1	7.2	7.1
Drug dependence (304).	**	**	**	**	**	**	**	**	**	**	**	81
Rate.	**	**	**	**	**	**	**	**	**	**	**	1.0
Accidental drug poisoning (5)	**	**	**	**	**	**	**	**	**	**	**	**
Rate.	**	**	**	**	**	**	**	**	**	**	**	**
Motor vehicle accidents (E810-E825).	**	**	253	658	929	1,175	1,167	920	728	635	600	634
Rate.	**	**	5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2	7.6	8.1
Home Accidents.	**	**	**	**	**	**	**	1,546	1,823	1,941	1,699	1,568
Rate.	**	**	**	**	**	**	**	21.0	24.0	25.0	21.4	19.9
Other accidents (Rest of E800-E949).	3,521	3,549	3,516	3,426	3,138	3,574	3,205	3,107	3,091	3,255	2,707	2,450
Rate.	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9	34.3	31.2
Suicide (E950-E959).	761	825	686	742	842	1,163	1,369	1,191	907	930	863	649
Rate.	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0	10.9	8.3
Homicide (E960-E978, E990-E999).	143	247	293	271	334	405	522	351	265	362	318	340
Rate.	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7	4.0	4.3
Injury, undetermined whether accidentally or purposely inflicted (E980-E989).	**	**	**	**	**	**	**	**	**	**	**	**
Rate.	**	**	**	**	**	**	**	**	**	**	**	**
Alzheimer's disease (331.0)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**
Asthma (493)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**

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

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

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

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

fetal deaths 28 weeks and over + live births

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

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

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

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

(6) Data for 1982-1985.

(7) Rate less than 0.05.

Selected Causes, New York City, 1901-1998

AVERAGE

1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
4,290	4,333	3,477	2,312	1,875	1,624	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843
25.7	26.2	23.6	19.9	17.4	14.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8
3,220	3,226	2,602	1,714	1,333	1,097	1,078	1,139	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593
19.3	19.5	17.7	14.8	12.3	9.7	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8
2,909	2,922	2,351	1,480	1,131	927	909	977	1,027	1,039	908	896	783	769	660	657	528	459	475
17.4	17.7	16.0	12.8	10.5	8.2	7.4	7.7	7.8	7.5	6.5	6.5	5.8	5.8	4.9	5.0	4.2	3.7	3.8
2,362	2,276	1,885	1,288	835	719	643	741	689	721	696	648	970	692	589	533	580	507	505
14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.8	5.2	5.2	5.0	4.7	7.1	5.2	4.4	4.1	4.6	4.1	4.1
31.1	31.0	28.4	23.6	18.1	14.5	12.7	13.4	10.0	12.7	11.4	11.1	12.8	10.9	9.3	9.0	8.7	7.8	7.8
107	109	73	36	28	33	29	28	26	29	35	24	30	20	29	26	22	17	16
6.4	6.6	5.0	3.1	2.6	2.9	2.4	2.2	2.0	2.1	2.5	1.7	2.2	1.5	2.2	2.0	1.7	1.4	1.3
824	624	432	235	141	125	160	154	200	173	182	197	155	135	113	75	46	44	33
10.6	8.0	5.5	3.1	2.0	1.7	2.2	2.1	2.8	2.4	2.5	2.7	2.1	1.8	1.5	1.0	0.6	0.6	0.5
52	43	39	32	22	35	26	65	46	63	74	57	45	31	20	19	21	11	19
0.7	0.6	0.5	0.4	0.3	0.5	0.4	0.9	0.6	0.9	1.0	0.8	0.6	0.4	0.3	0.3	0.3	0.2	0.3
**	**	**	**	**	768 (6)	2,650	3,192	3,773	4,282	4,616	5,228	5,789	6,120	7,102	7,046	4,998	2,625	1,978
12	8	2	1	0	0	0	0	0	0	3	6	1	0	0	0	1	0	0
1.8	1.1	0.2	0.2	-	-	-	-	-	-	(7)	(7)	-	-	-	-	(7)	-	-
16,869	17,398	17,814	17,315	16,549	15,889	15,861	15,822	15,655	15,208	15,513	15,255	15,228	15,040	15,298	15,136	14,591	14,194	14,454
216.1	222.1	226.3	226.3	228.7	222.3	219.6	218.3	215.3	208.4	211.9	208.3	208.0	205.4	208.9	206.7	199.3	193.8	197.4
1,157	1,294	1,890	2,434	2,387	2,217	2,126	2,266	2,281	2,150	2,184	2,138	2,097	2,094	2,120	1,966	1,967	1,859	1,849
30.9	34.8	51.0	68.1	71.0	66.7	63.0	66.9	67.0	62.8	63.5	62.2	61.0	60.9	61.7	57.2	57.2	54.1	53.8
261	303	474	777	970	1,169	1,289	1,313	1,275	1,318	1,378	1,403	1,420	1,460	1,383	1,462	1,420	1,333	1,472
6.4	7.4	11.4	19.1	25.0	30.6	33.5	34.0	33.0	34.0	35.5	36.1	36.6	37.6	35.6	37.6	36.6	34.3	37.9
1,573	1,694	1,787	1,723	1,622	1,533	1,526	1,499	1,581	1,545	1,532	1,496	1,518	1,490	1,483	1,561	1,504	1,378	1,344
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	40.9	39.9	39.4	38.5	39.1	38.4	38.2	40.2	38.7	35.5	34.6
1,581	1,789	1,867	2,064	1,547	1,436	1,370	1,332	1,302	997	991	998	1,055	1,216	1,760	1,713	1,538	1,590	1,548
20.3	22.9	23.7	27.0	21.4	20.1	19.0	18.4	17.9	13.7	13.5	13.6	14.4	16.6	24.0	23.4	21.0	21.7	21.1
38,988	39,943	41,981	40,639	37,978	37,818	35,246	33,967	33,793	32,665	31,966	31,971	32,096	33,601	31,048	31,656	30,995	29,642	28,755
499.5	510.2	532.4	531.1	524.8	529.1	488.0	468.7	464.7	447.6	436.5	436.6	438.3	458.9	424.0	432.3	423.3	404.8	392.7
6,013	6,174	6,277	5,433	4,174	3,194	3,230	2,946	2,856	2,893	2,709	2,556	2,189	2,278	2,155	2,100	2,114	2,119	1,998
77.0	78.9	79.7	71.0	57.7	44.7	44.7	40.7	39.3	39.6	37.0	34.9	29.9	31.1	29.4	28.7	28.9	28.9	27.3
3,459	3,394	3,562	3,164	3,000	2,740	3,257	3,175	3,327	3,397	3,612	3,172	2,719	3,029	2,541	2,591	2,702	2,618	2,680
44.3	43.4	45.2	41.4	41.5	38.3	45.1	43.8	45.8	46.6	49.3	43.3	37.1	41.4	34.7	35.4	36.9	35.8	36.6
651	960	1,425	1,627	1,583	1,941	2,525	2,513	2,548	2,541	2,408	2,087	1,881	1,959	1,889	1,900	1,951	1,933	1,993
8.3	12.3	18.1	21.3	21.9	27.2	35.0	34.7	35.0	34.8	32.9	28.5	25.7	26.8	25.8	25.9	26.6	26.4	27.2
1,858	2,386	2,936	2,440	2,185	1,789	1,532	1,432	1,377	1,086	1,016	958	990	959	903	921	825	720	684
23.8	30.5	37.3	31.9	30.2	25.0	21.2	19.8	18.9	14.9	13.9	13.1	13.5	13.1	12.3	12.6	11.3	9.8	9.3
573	509	447	372	381	383	689	791	931	970	699	450	327	327	238	213	296	378	413
7.3	6.5	5.7	4.9	5.3	5.4	9.5	10.9	12.8	13.3	9.5	6.1	4.5	4.5	3.3	2.9	4.0	5.2	5.6
96	263	551	677	414	573	767	956	1,208	591	413	781	803	1,083	1,033	1,033	909	885	825
1.2	3.4	7.0	8.8	5.7	8.0	10.6	13.2	16.6	8.1	5.6	10.7	11.0	14.8	14.1	14.1	12.4	12.1	11.3
**	**	**	**	**	1	0	0	2	429	282	59	55	62	35	32	36	19	18
655	714	887	834	606	477	514	622	618	663	704	631	586	551	500	501	438	499	387
8.4	9.1	11.3	10.9	8.4	6.7	7.1	8.6	8.5	9.1	9.6	8.6	8.0	7.5	6.8	6.8	6.0	6.8	5.3
1,095	951	871	755	525	486	555	485	603	752	552	517	472	525	513	512	479	432	390
14.0	12.1	11.1	9.9	7.3	6.8	7.7	6.7	8.3	10.3	7.5	7.1	6.4	7.2	7.0	7.0	6.5	5.9	5.3
2,091	1,947	1,730	1,239	926	812	791	677	857	1,151	922	364	428	355	398	423	341	369	350
26.8	24.9	22.0	16.2	12.8	11.4	11.0	9.3	11.8	15.8	12.6	5.0	5.8	4.8	5.4	5.8	4.7	5.0	4.8
711	908	680	641	711	603	593	502	557	703	646	649	605	558	605	577	557	545	524
9.1	11.6	8.6	8.4	9.8	8.4	8.2	6.9	7.7	9.6	8.8	8.9	8.3	7.6	8.3	7.9	7.6	7.4	7.2
366	592	992	1,663	1,700	1,763	1,635	1,691	1,943	1,970	2,272	2,209	2,041	2,007	1,607	1,209	1,018	793	675
4.7	7.6	12.6	21.7	23.5	24.7	22.6	23.3	26.7	27.0	31.0	30.2	27.9	27.4	21.9	16.5	13.9	10.8	9.2
**	**	946	1,062	699	696	661	790	727	186	158	144	141	200	176	146	153	159	135
**	**	10.9	13.9	9.7	9.7	9.2	10.9	10.0	2.5	2.2	2.0	1.9	2.7	2.4	2.0	2.1	2.2	1.8
**	**	**	**	**	**	**	**	**	**	**	76	73	78	94	101	77	74	82
**	**	**	**	**	**	**	**	**	**	**	1.0	1.0	1.1	1.3	1.4	1.1	1.0	1.1
**	**	**	**	**	**	**	**	**	**	**	247	273	253	291	282	273	235	250
**	**	**	**	**	**	**	**	**	**	**	3.4	3.7	3.5	4.0	3.9	3.7	3.2	3.4

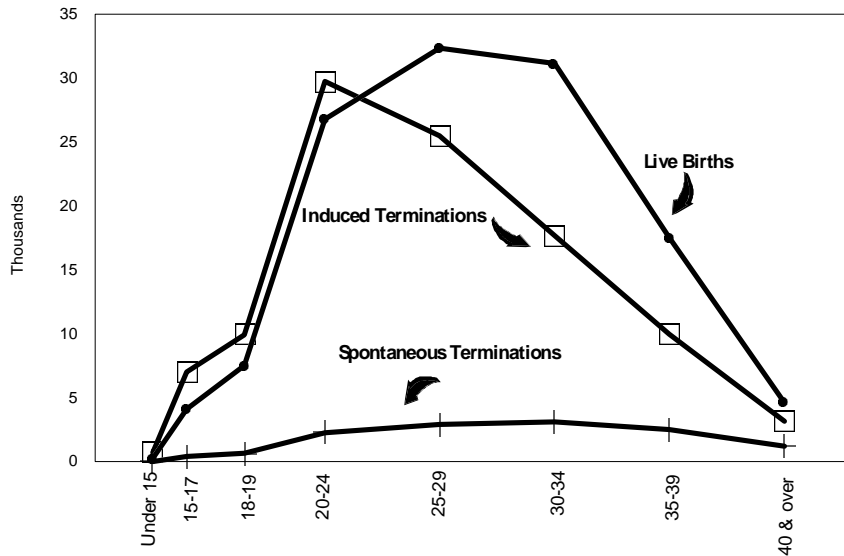


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman, New York City, 1998

There are almost 250,000 pregnancy outcomes reported in New York City annually. Over half are live births, about 43% are induced terminations and the remainder are spontaneous terminations, or fetal deaths. (The number of spontaneous and induced terminations reported depend on active surveillance.) For women age 24 and younger, the outcome is more likely to be an induced or spontaneous termination than a live birth. Women age 30-34 and 35-39 are about 50% more likely to have a live birth than an induced or spontaneous termination.

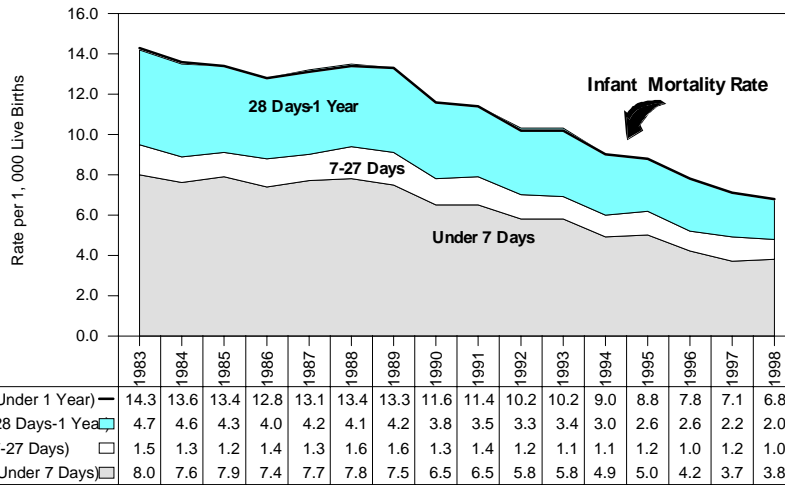


Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates, New York City, 1983-1998

The New York City infant mortality rate has declined 52% since 1983. The largest drop, 13%, occurred from 1989 to 1990. Currently, about 55% of the infant deaths occur in the early neonatal period (under seven days of age), about 15% in the late neonatal period (7 to 27 days) and about 30% from 28 days through the remainder of the first year of life. Post-neonatal deaths have declined somewhat more than neonatal deaths.

Table 18.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 1998**

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	241,348	923	11,445	18,036	58,773	60,754	51,935	29,942	8,975	565
Live Births	124,252	223	4,076	7,490	26,780	32,373	31,170	17,516	4,612	12
Spontaneous Terminations	13,114	-	362	631	2,257	2,877	3,103	2,488	1,207	189
Induced Terminations	103,982	700	7,007	9,915	29,736	25,504	17,662	9,938	3,156	364
MANHATTAN	35,085	128	1,654	2,425	7,632	8,164	8,214	5,050	1,760	58
Live Births	19,162	31	664	1,019	3,285	4,290	5,413	3,357	1,102	1
Spontaneous Terminations	1,855	-	53	85	264	374	441	408	205	25
Induced Terminations	14,068	97	937	1,321	4,083	3,500	2,360	1,285	453	32
BRONX	46,880	231	2,988	4,384	13,210	11,899	8,580	4,333	1,150	105
Live Births	21,575	75	1,188	1,987	5,742	5,729	4,312	2,061	481	-
Spontaneous Terminations	2,496	-	117	170	548	547	495	410	171	38
Induced Terminations	22,809	156	1,683	2,227	6,920	5,623	3,773	1,862	498	67
BROOKLYN	77,368	309	3,675	6,083	20,444	19,920	15,193	8,836	2,721	187
Live Births	39,571	75	1,338	2,666	10,042	10,613	8,581	4,912	1,340	4
Spontaneous Terminations	4,083	-	106	212	790	942	909	686	364	74
Induced Terminations	33,714	234	2,231	3,205	9,612	8,365	5,703	3,238	1,017	109
QUEENS	55,033	170	2,187	3,780	12,996	14,860	12,198	6,805	1,892	145
Live Births	28,501	34	724	1,482	6,025	8,319	7,290	3,755	871	1
Spontaneous Terminations	2,980	-	64	120	495	698	752	582	236	33
Induced Terminations	23,552	136	1,399	2,178	6,476	5,843	4,156	2,468	785	111
RICHMOND	9,195	26	347	560	1,686	2,272	2,541	1,393	355	15
Live Births	5,702	7	120	223	855	1,536	1,875	910	175	1
Spontaneous Terminations	880	-	18	34	116	184	263	185	74	6
Induced Terminations	2,613	19	209	303	715	552	403	298	106	8
NON-RESIDENTS	17,296	56	562	761	2,695	3,529	5,117	3,474	1,075	27
Live Births	9,729	1	42	112	830	1,886	3,694	2,519	643	2
Spontaneous Terminations	802	-	4	9	42	129	241	216	156	5
Induced Terminations	6,765	55	516	640	1,823	1,514	1,182	739	276	20
RESIDENCE UNKNOWN	491	3	32	43	110	110	92	51	22	28
Live Births	12	-	-	1	1	-	5	2	-	3
Spontaneous Terminations	18	-	-	1	2	3	2	1	1	8
Induced Terminations	461	3	32	41	107	107	85	48	21	17

Table 19.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 1998**

Gestation in Weeks	Total	Age of Woman								40 & Over	Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39			
Total	13,114	0	362	631	2,257	2,877	3,103	2,488	1,207	189	
Under 13	8,313	-	211	363	1,359	1,799	1,963	1,666	856	96	
13-15	1,350	-	41	85	262	303	319	211	107	22	
16-19	1,004	-	29	47	191	216	249	204	61	7	
20-27	878	-	37	49	166	218	204	140	53	11	
28 & Over	505	-	14	33	96	114	128	77	38	5	
Not Stated	1,064	-	30	54	183	227	240	190	92	48	

**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, 1998**

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	228,739	89,994	29,068	49,616	53,420	6,641
Live Births	124,252	40,765	18,504	33,225	25,550	6,208
Spontaneous Terminations	505	143	88	148	99	27
Induced Terminations	103,982	49,086	10,476	16,243	27,771	406
MANHATTAN	33,288	31,387	960	353	573	15
Live Births	19,162	18,449	450	142	107	14
Spontaneous Terminations	58	56	-	1	1	-
Induced Terminations	14,068	12,882	510	210	465	1
BRONX	44,485	17,112	26,185	392	777	19
Live Births	21,575	4,354	16,923	134	153	11
Spontaneous Terminations	101	18	82	1	-	-
Induced Terminations	22,809	12,740	9,180	257	624	8
BROOKLYN	73,457	20,847	319	44,547	7,011	733
Live Births	39,571	7,116	108	30,491	1,152	704
Spontaneous Terminations	172	28	-	132	10	2
Induced Terminations	33,714	13,703	211	13,924	5,849	27
QUEENS	52,164	9,519	275	2,564	39,758	48
Live Births	28,501	5,167	156	1,626	21,506	46
Spontaneous Terminations	111	21	-	11	78	1
Induced Terminations	23,552	4,331	119	927	18,174	1
RICHMOND	8,337	1,799	34	903	124	5,477
Live Births	5,702	204	13	371	15	5,099
Spontaneous Terminations	22	1	-	-	-	21
Induced Terminations	2,613	1,594	21	532	109	357
NON-RESIDENTS	16,535	9,150	1,239	770	5,032	344
Live Births	9,729	5,466	853	460	2,616	334
Spontaneous Terminations	41	19	6	3	10	3
Induced Terminations	6,765	3,665	380	307	2,406	7
RESIDENCE UNKNOWN	473	180	56	87	145	5
Live Births	12	9	1	1	1	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	461	171	55	86	144	5

**Table 21. Live Births by Ancestry of Mother and Borough of Residence
New York City, 1998**

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown
Total	124,252	19,162	21,575	39,571	28,501	5,702	9,729	12
Puerto Rican	13,056	1,494	5,786	3,448	1,481	467	380	-
Dominican	9,521	2,512	3,433	1,765	1,603	30	178	-
Colombian	1,365	86	63	127	1,008	28	53	-
Ecuadorian	2,555	231	293	543	1,432	24	32	-
Mexican	5,504	763	909	1,865	1,732	187	48	-
Cuban	305	80	59	44	63	23	36	-
Other Hispanic	7,543	1,799	1,352	1,471	2,526	157	238	-
African-American	20,551	2,621	5,016	8,273	3,388	657	590	6
American	8,861	1,660	246	3,963	1,057	524	1,411	-
Guyanese	2,517	29	276	920	1,223	14	55	-
Haitian	2,155	76	45	1,419	507	8	100	-
Jamaican	3,270	71	798	1,454	805	22	120	-
Trinidadian	1,475	49	71	829	466	33	27	-
Other North, Central and South American	2,476	211	398	1,345	362	39	120	1
English	722	344	11	109	62	37	158	1
German	1,898	537	65	291	327	205	473	-
Irish	3,584	651	203	564	702	510	954	-
Italian	6,030	492	362	1,198	983	1,696	1,299	-
Polish	1,289	185	18	485	315	78	208	-
Russian	1,953	377	43	760	436	52	285	-
Other European	4,578	1,056	355	1,232	984	221	730	-
Asian Indian	1,850	117	120	213	1,156	80	164	-
Bangladeshi	1,230	54	113	258	796	3	6	-
Chinese	4,720	1,348	88	1,560	1,390	64	270	-
Filipino	933	118	62	129	422	59	143	-
Korean	917	133	23	50	595	23	93	-
Pakistani	1,202	30	59	512	521	40	40	-
Other Asian	3,758	641	209	1,476	1,020	112	300	-
Jewish or Hebrew	3,791	451	84	1,958	328	96	874	-
Other and Not Stated	4,643	946	1,015	1,310	811	213	344	4

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

**Figure 9. Marriages, Births and Deaths by Month and Average Number per Day
New York City, 1998**

MONTHS	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS	MARRIAGES	BIRTHS	DEATHS
January	4,911	10,384	6,193	158	335	200
February	3,242	9,627	5,037	116	344	180
March	3,859	10,571	5,169	124	341	167
April	4,314	9,926	4,809	144	331	160
May	4,656	10,640	4,887	150	343	158
June	5,325	10,265	4,787	178	342	160
July	5,267	10,799	4,863	170	348	157
August	5,377	10,623	4,739	173	343	153
September	4,929	10,561	4,769	164	352	159
October	4,213	10,404	5,093	136	336	164
November	3,653	10,002	5,099	122	333	170
December	3,915	10,450	5,565	126	337	180
Total	53,661	124,252	61,010	147	340	167

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

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1993	1994	1995	1996	1997	1998
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Stephanie	Jessica	Jessica	Jessica	Samantha	Samantha
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Jessica	Stephanie	Amanda	Samantha	Jessica	Jessica
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Amanda	Samantha	Samantha	Stephanie	Nicole	Amanda
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Samantha	Amanda	Stephanie	Nicole	Amanda	Nicole
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Nicole	Nicole	Jennifer	Amanda	Sarah	Emily
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Jennifer	Jennifer	Nicole	Jennifer	Stephanie	Jennifer
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Michelle	Michelle	Sarah	Sarah	Jennifer	Sarah
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Michelle	Tiffany	Michelle	Michelle	Emily	Brianna
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Christina	Danielle	Emily	Emily	Brianna	Stephanie

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1993	1994	1995	1996	1997	1998
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Kevin	Kevin	Anthony	Joseph	Justin
4	George	James	Michael	Joseph	David	Anthony	Jonathan	Anthony	Daniel	Kevin	Matthew	Joseph
5	Joseph	Richard	William	Christopher	Anthony	David	Anthony	Jonathan	Jonathan	Daniel	Justin	Matthew
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Daniel	Daniel	Joseph	Joseph	Daniel	Anthony
7	James	Robert	Joseph	John	Jonathan	Joseph	Joseph	Joseph	Anthony	Matthew	Anthony*	Daniel
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	David	Matthew	Matthew	Justin	Brandon*	Brandon
9	Francis	George	Stephen	Robert	John	John	Matthew	David	David	Jonathan	David	Nicholas
10	Samuel	Louis	David	James	Robert	Andrew	John	Brandon	Justin	David	Jonathan	David

* Tied Ranks

**Figure 10b. Most Popular Baby Names by Sex and Mother's Ethnicity
New York City, 1998**

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

* and ** denote tied ranks.

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

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

Table 22.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Age of Mother, New York City, 1998**

	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	124,252	223	4,076	7,490	26,780	32,373	31,170	17,516	4,612	12
Sex										
Male	63,757	110	2,103	3,814	13,725	16,653	15,940	9,041	2,365	6
Female	60,495	113	1,973	3,676	13,055	15,720	15,230	8,475	2,247	6
Birth Order This Child (Live Births Only)										
First	54,105	221	3,666	5,753	14,374	13,228	10,709	4,850	1,295	9
Second	37,785	2	372	1,443	8,335	10,322	10,444	5,520	1,344	3
Third	18,175	-	33	246	2,935	5,162	5,474	3,525	800	-
Fourth	7,345	-	5	44	846	2,183	2,291	1,586	390	-
Fifth	3,168	-	-	4	196	924	1,012	782	250	-
Sixth or higher	3,674	-	-	-	94	554	1,240	1,253	533	-
Weight at Delivery in Grams										
Under 500	169	-	4	8	31	45	45	29	7	-
500-999	942	1	37	43	166	228	247	168	52	-
1000-1499	1,064	2	42	64	187	257	255	198	59	-
1500-1999	2,103	10	82	139	375	490	547	359	101	-
2000-2499	6,643	16	288	477	1,415	1,508	1,588	1,058	293	-
2500-2999	23,365	48	968	1,723	5,344	5,829	5,491	3,059	900	3
3000-3499	47,588	94	1,654	3,100	10,840	12,515	11,634	6,210	1,537	4
3500-3999	32,347	48	841	1,598	6,673	8,789	8,498	4,702	1,197	1
4000-4499	8,609	4	143	292	1,532	2,345	2,449	1,445	398	1
4500-4999	1,269	-	13	41	188	329	374	261	63	-
5000 & over	135	-	3	4	26	33	37	27	5	-
Not stated	18	-	1	1	3	5	5	-	-	3
Plurality										
Single	120,045	221	4,021	7,354	26,172	31,445	29,922	16,599	4,299	12
Twin	3,954	2	55	136	591	875	1,138	850	307	-
Triplet	232	-	-	-	12	49	102	63	6	-
Quadruplet	16	-	-	-	-	4	8	4	-	-
Quintuplet	5	-	-	-	5	-	-	-	-	-
Apgar Score at 5 Minutes										
6 or less	5,843	17	219	374	1,220	1,369	1,462	913	269	-
7	5,356	15	210	370	1,060	1,348	1,357	760	235	1
8	18,798	36	726	1,225	4,131	4,717	4,562	2,662	738	1
9	93,591	155	2,892	5,479	20,220	24,752	23,634	13,098	3,354	7
10	369	-	17	20	85	107	82	51	7	-
Not stated	295	-	12	22	64	80	73	32	9	3
Place of Birth										
Home	626	-	20	42	113	147	172	100	31	1
Hospital										
Voluntary, Private Service	58,299	27	553	1,245	7,722	15,238	18,851	11,497	3,162	4
Voluntary, General Service	40,921	125	2,229	3,931	12,008	10,546	7,617	3,615	846	4
Municipal	23,893	70	1,249	2,235	6,814	6,299	4,424	2,239	563	-
Maternity Center	373	1	23	27	93	103	72	47	7	-
Other	140	-	2	10	30	40	34	18	3	3
Attendant										
Physician	109,463	171	3,215	5,991	22,368	28,580	28,589	16,257	4,285	7
Certified Nurse Midwife	14,093	51	834	1,443	4,196	3,614	2,444	1,204	306	1
Other	696	1	27	56	216	179	137	55	21	4
Financial Coverage										
Self	4,665	8	167	381	1,122	1,218	1,026	585	157	1
Medicaid	61,539	168	3,258	5,828	18,356	16,029	11,137	5,423	1,335	5
Third Party	39,100	27	337	709	4,276	10,111	13,227	8,199	2,213	1
HMO	16,204	15	227	414	2,435	4,275	5,085	2,941	811	1
Not stated	2,744	5	87	158	591	740	695	368	96	4
First Visit for Prenatal Care										
Early (1-6 months)	92,120	137	2,702	5,271	19,178	24,338	23,877	13,235	3,375	7
Late (7-9 months)	5,929	33	399	534	1,568	1,525	1,103	614	153	-
No Care	1,795	4	97	161	436	462	377	207	51	-
Not stated	24,408	49	878	1,524	5,598	6,048	5,813	3,460	1,033	5
Marital Status of Mother										
Married	69,381	1	234	1,104	10,235	19,390	22,227	12,830	3,356	4
Not Married	54,871	222	3,842	6,386	16,545	12,983	8,943	4,686	1,256	8
Years of Education										
None	435	-	8	13	102	136	118	40	17	1
1-8	7,829	116	447	526	2,095	2,093	1,556	755	239	2
9-12	62,121	100	3,521	6,093	16,935	15,584	12,015	6,351	1,521	1
13 & over	51,377	-	4	676	7,020	13,917	16,913	10,076	2,767	4
Not stated	2,490	7	96	182	628	643	568	294	68	4
Birthplace of Mother										
United States other than Puerto Rico	60,526	157	2,696	4,496	13,342	14,278	14,555	8,613	2,386	3
Puerto Rico	3,219	15	212	310	851	739	648	341	103	-
Foreign	59,744	49	1,118	2,618	12,400	17,189	15,810	8,459	2,097	4
Not stated	763	2	50	66	187	167	157	103	26	5
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	505	-	14	33	96	114	128	77	38	5
Sex										
Male	236	-	6	15	43	54	58	36	20	4
Female	208	-	8	13	46	52	48	29	11	1
Undetermined	61	-	-	5	7	8	22	12	7	-
Weight at Delivery in Grams										
Under 500	25	-	1	-	10	5	5	3	1	-
500-999	51	-	4	5	9	16	11	2	4	-
1000-1499	41	-	1	3	12	10	5	6	2	2
1500-1999	60	-	2	3	11	12	17	6	7	2
2000-2499	57	-	-	5	13	16	11	7	5	-
2500 & over	180	-	4	13	32	32	51	33	14	1
Not stated	91	-	2	4	9	23	28	20	5	-

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, 1998**

	Total	Ethnic Group of Mother						Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	
Total Live Births	124,252	13,056	26,793	13,132	36,957	33,675	271	368
Sex								
Male	63,757	6,662	13,647	6,771	19,232	17,116	134	195
Female	60,495	6,394	13,146	6,361	17,725	16,559	137	173
Birth Order This Child (Live Births Only)								
First	54,105	5,347	11,319	6,387	17,012	13,711	133	196
Second	37,785	3,783	8,524	4,623	11,044	9,637	79	95
Third	18,175	2,102	4,468	1,574	4,721	5,228	34	48
Fourth	7,345	1,056	1,573	376	1,755	2,550	17	18
Fifth	3,168	386	556	102	840	1,274	4	6
Sixth or Higher	3,674	382	353	70	1,585	1,275	4	5
Weight at Delivery in Grams								
Under 500	169	14	32	10	29	76	-	8
500-999	942	103	137	38	164	488	1	11
1000-1499	1,064	108	153	74	252	469	2	6
1500-1999	2,103	260	342	171	505	805	9	11
2000-2499	6,643	911	1,150	699	1,570	2,268	25	20
2500-2999	23,365	2,667	4,499	2,922	5,958	7,182	63	74
3000-3499	47,588	4,920	10,508	5,503	14,015	12,421	94	127
3500-3999	32,347	3,069	7,597	3,034	10,841	7,670	60	76
4000-4499	8,609	829	2,060	603	3,135	1,939	14	29
4500-4999	1,269	141	289	70	454	309	3	3
5000 & over	135	24	26	7	33	45	-	-
Not stated	18	10	-	1	1	3	-	3
Plurality								
Single	120,045	12,631	26,271	12,789	35,140	32,600	265	349
Twin	3,954	413	508	330	1,629	1,049	6	19
Triplet	232	12	10	13	171	26	-	-
Quadruplet	16	-	4	-	12	-	-	-
Quintuplet	5	-	-	-	5	-	-	-
Apgar Score at 5 Minutes								
6 or less	5,843	662	1,273	399	1,186	2,275	11	37
7	5,356	628	1,157	444	1,301	1,796	8	22
8	18,798	2,113	4,618	1,462	5,055	5,453	40	57
9	93,591	9,569	19,616	10,786	29,288	23,892	206	234
10	369	62	86	25	93	97	4	2
Not stated	295	22	43	16	34	162	2	16
Place of Birth								
Home	626	58	71	38	152	285	3	19
Hospital								
Voluntary, Private Service	58,299	4,290	5,062	6,064	30,439	12,243	55	146
Voluntary, General Service	40,921	5,275	12,539	4,321	4,964	13,599	40	183
Municipal	23,893	3,336	9,026	2,685	1,284	7,377	169	16
Maternity Center	373	82	77	14	97	99	3	1
Other	140	15	18	10	21	72	1	3
Attendant								
Physician	109,463	10,743	22,269	12,289	34,047	29,540	259	316
Certified Nurse Midwife	14,093	2,253	4,411	805	2,637	3,940	10	37
Other	696	60	113	38	273	195	2	15
Financial Coverage								
Self	4,665	342	1,038	652	1,289	1,306	9	29
Medicaid	61,539	8,170	20,333	6,506	7,159	19,022	191	158
Third Party	39,100	3,063	3,446	3,997	20,849	7,594	48	103
HMO	16,204	1,308	1,524	1,725	7,391	4,193	20	43
Not stated	2,744	173	452	252	269	1,560	3	35
First Visit for Prenatal Care								
Early (1-6 months)	92,120	9,990	19,336	10,238	28,060	24,045	239	212
Late (7-9 months)	5,929	602	1,670	664	931	2,036	10	16
No Care	1,795	235	261	293	249	752	1	4
Not stated	24,408	2,229	5,526	1,937	7,717	6,842	21	136
Marital Status of Mother								
Married	69,381	3,886	10,960	11,091	32,335	10,807	159	143
Not Married	54,871	9,170	15,833	2,041	4,622	22,868	112	225
Years of Education								
None	435	5	149	81	50	132	2	16
1-8	7,829	594	4,658	1,065	555	924	27	6
9-12	62,121	8,538	14,670	5,699	13,689	19,202	178	145
13 & over	51,377	3,841	6,648	5,687	22,366	12,712	60	63
Not stated	2,490	78	668	600	297	705	4	138
Birthplace of Mother								
United States other than Puerto Rico	60,526	9,847	3,966	546	26,936	19,029	47	155
Puerto Rico	3,219	3,059	129	-	25	6	-	-
Foreign	59,744	106	22,606	12,562	9,820	14,315	222	113
Not stated	763	44	92	24	176	325	2	100
Spontaneous Terminations of Pregnancy, 28 weeks & Over								
Total	505	45	98	34	112	207	1	8
Sex								
Male	236	19	47	19	49	102	-	-
Female	208	19	38	14	49	81	1	6
Undetermined	61	7	13	1	14	24	-	2
Weight at Delivery in Grams								
Under 500	25	3	3	-	3	16	-	-
500-999	51	6	14	3	8	19	-	1
1000-1499	41	8	9	2	7	12	-	3
1500-1999	60	3	14	4	7	32	-	-
2000-2499	57	5	13	3	14	21	-	1
2500 & over	180	13	30	17	42	76	1	1
Not stated	91	7	15	5	31	31	-	2

Table 24.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1998**

Health Center District	Percent of Total Live Births with Specified Characteristics											Infant Mortality (per 1 Year)		Perinatal Mortality (per 28 Days)	
	Live Births	Rate*	Mother's Ancestry								Number	Rate**	Number	Rate**	
			Puerto Rican	Other Hispanic	Foreign Born	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid					
NEW YORK CITY	124,252	17.0	10.5	21.6	48.1	43.5	8.8	6.2	44.2	49.5	843	6.8	593	4.8	
MANHATTAN	19,162	12.9	7.8	28.6	45.1	52.2	8.5	6.0	42.1	49.8	118	6.2	88	4.6	
Central Harlem	1,927	16.7	7.9	13.1	29.4	37.0	11.8	11.1	77.1	73.8	22	11.4	16	8.3	
East Harlem	2,091	16.4	22.7	27.0	34.5	46.0	10.3	7.7	62.6	65.3	16	7.7	15	7.2	
Kips Bay-Yorkville	2,653	11.3	1.2	5.4	35.1	62.8	7.4	1.9	5.4	5.6	5	1.9	3	1.1	
Lower East Side	2,607	10.9	12.6	10.0	53.8	53.0	6.9	4.8	31.4	56.0	12	4.6	7	2.7	
Lower West Side	2,729	9.3	4.4	9.1	39.3	63.9	7.7	4.1	20.9	21.4	15	5.5	9	3.3	
Riverside	2,435	11.7	6.9	16.7	30.1	56.5	8.7	5.2	32.2	30.3	13	5.3	10	4.1	
Washington Heights	4,713	17.7	4.6	76.2	68.4	45.7	8.3	7.5	62.8	81.2	35	7.4	28	5.9	
BRONX	21,575	17.9	26.8	28.3	43.5	38.4	10.0	7.2	65.9	66.3	137	6.3	98	4.5	
Fordham-Riverdale	4,282	17.5	24.6	36.1	49.1	39.3	8.5	6.3	57.7	67.4	21	4.9	12	2.8	
Morrisania	3,323	23.0	26.8	29.7	42.7	35.8	12.4	7.1	75.0	73.6	25	7.5	19	5.7	
Mott Haven	2,373	18.3	38.2	32.4	32.3	34.8	10.5	9.7	76.8	81.3	12	5.1	7	2.9	
Pelham Bay	2,889	13.2	15.9	9.8	49.6	44.1	8.5	7.4	59.5	51.1	22	7.6	20	6.9	
Tremont	4,547	23.9	25.2	37.7	47.9	36.0	10.4	6.5	72.9	73.9	37	8.1	24	5.3	
Westchester	4,145	15.1	32.1	19.5	35.7	40.2	9.7	7.6	57.4	53.2	20	4.8	16	3.9	
BROOKLYN	39,571	17.2	8.7	14.7	48.2	41.1	8.9	7.5	46.5	52.9	297	7.5	205	5.2	
Bay Ridge	3,789	15.9	5.5	12.7	57.2	46.6	6.5	5.4	20.7	39.2	18	4.8	10	2.6	
Bedford	4,020	17.3	3.5	5.6	42.1	38.0	11.6	7.9	67.7	57.5	56	13.9	37	9.2	
Brownsville	4,900	17.6	9.4	8.1	44.8	38.1	11.6	6.8	66.8	57.5	46	9.4	32	6.5	
Bushwick	3,724	20.4	22.9	36.3	44.3	38.1	10.1	7.9	70.5	76.9	28	7.5	21	5.6	
Flatbush	8,567	17.1	2.6	8.1	59.4	40.5	9.0	8.1	42.1	45.0	72	8.4	51	6.0	
Fort Greene	2,284	15.2	11.4	13.4	32.2	44.7	10.6	7.1	64.6	58.5	20	8.8	15	6.6	
Gravesend	3,588	12.6	6.8	9.6	55.2	49.5	7.9	17.5	29.5	45.1	15	4.2	8	2.2	
Red Hook-Gowanus	1,472	13.9	16.0	13.9	28.6	51.1	7.3	3.7	37.8	38.2	10	6.8	7	4.8	
Sunset Park	4,055	23.8	9.9	26.5	50.2	38.0	6.8	3.7	30.5	56.1	24	5.9	16	3.9	
Williamsburg-Greenpoint	3,158	20.2	13.2	23.0	35.0	36.1	6.0	4.5	32.7	57.0	8	2.5	8	2.5	
QUEENS	28,501	14.6	5.2	29.3	66.3	45.6	8.3	5.9	41.4	51.8	172	6.0	123	4.3	
Astoria-Long Island City	3,739	15.8	4.1	35.1	73.7	49.6	6.8	6.1	37.3	56.5	22	5.9	13	3.5	
Corona	6,005	20.6	2.4	60.8	84.1	45.9	7.3	8.0	51.7	64.3	34	5.7	28	4.7	
Flushing	4,657	10.2	3.7	17.4	65.7	44.6	7.1	3.9	21.7	36.1	23	4.9	15	3.2	
Jamaica East	4,699	13.9	2.4	10.2	55.2	43.1	10.8	5.3	56.2	53.2	37	7.9	26	5.5	
Jamaica West	5,918	16.4	8.5	22.4	58.5	43.6	9.5	6.4	44.4	55.4	40	6.8	28	4.7	
Maspeth-Forest Hills	3,453	12.8	11.3	22.4	56.3	49.1	7.5	4.5	29.5	38.3	16	4.6	13	3.8	
RICHMOND	5,702	15.0	8.2	7.9	22.4	44.7	7.5	3.3	25.7	22.4	27	4.7	19	3.3	
NON-RESIDENTS	9,729	-	3.9	6.0	25.3	41.0	8.4	1.8	9.3	7.2	90	9.3	58	6.0	
RESIDENCE UNKNOWN	12	-	-	-	-	-	-	-	-	-	2	-	2	-	

*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, 1998**

Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics							
		Foreign Born	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Teenage Mother	
Total	124,252	48.1	43.5	8.8	6.2	44.2	49.5	9.5	
Puerto Rican	13,056	0.8	41.0	10.7	6.4	70.2	62.6	20.3	
Dominican	9,521	85.1	41.0	7.4	6.3	61.0	78.2	12.2	
Colombian	1,365	88.4	48.1	6.9	4.3	49.2	54.7	8.1	
Ecuadorian	2,555	89.4	38.7	7.0	7.5	44.9	73.0	8.4	
Mexican	5,504	96.7	42.9	6.0	10.2	69.1	88.9	15.5	
Cuban	305	49.5	42.6	8.9	3.0	38.4	30.8	6.9	
Other Hispanic	7,543	73.4	43.5	6.4	6.7	56.8	70.1	13.5	
African-American	20,551	10.6	41.3	13.5	8.4	76.1	56.0	17.0	
American	8,861	2.6	42.2	7.9	2.9	18.0	22.7	4.9	
Guyanese	2,517	98.4	43.1	13.3	6.3	42.6	50.3	6.8	
Haitian	2,155	94.3	41.1	10.4	7.9	41.1	54.6	4.5	
Jamaican	3,270	96.7	37.4	9.6	6.2	65.1	55.6	8.5	
Trinidadian	1,475	97.0	44.8	11.8	7.8	52.1	55.9	9.3	
Other North, Central and South American	2,476	91.8	44.5	8.4	6.9	52.0	48.0	6.1	
English	722	23.7	55.3	8.6	2.4	7.5	4.4	0.6	
German	1,898	11.3	50.5	7.8	2.0	11.9	8.7	1.5	
Irish	3,584	10.6	49.7	6.0	2.1	13.8	8.8	1.7	
Italian	6,030	7.9	48.6	7.1	1.6	12.3	8.7	2.4	
Polish	1,289	50.4	52.9	6.7	4.5	13.7	28.3	2.3	
Russian	1,953	62.8	51.5	6.6	4.5	17.3	23.2	1.5	
Other European	4,578	53.6	50.8	6.0	5.0	12.3	21.6	1.9	
Asian Indian	1,850	97.1	47.9	9.7	6.5	11.2	40.2	1.8	
Bangladeshi	1,230	99.7	45.2	8.5	11.1	23.4	77.2	4.3	
Chinese	4,720	94.0	51.3	4.9	3.8	13.1	55.5	1.2	
Filipino	933	93.6	46.7	7.6	4.2	15.4	16.5	1.5	
Korean	917	96.5	52.3	5.1	7.0	12.3	37.2	0.8	
Pakistani	1,202	97.7	41.8	10.4	24.0	11.2	69.6	3.3	
Other Asian	3,758	92.0	43.1	6.5	5.7	12.1	41.4	4.3	
Jewish or Hebrew	3,791	69.7	64.0	11.3	5.5	15.6	63.2	3.4	
Other & Not Stated	4,643	68.0	41.1	8.9	9.4	37.6	53.5	3.8	

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

Table 26.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1998**

Health Center District	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate*	Number	Rate*
			Puerto Rican	Other Hispanic										
NEW YORK CITY	11,789	9.5	22.5	28.7	32.1	81.8	10.3	10.4	88.6	78.5	89	7.5	57	4.8
MANHATTAN	1,714	8.9	18.3	46.0	31.5	84.5	9.0	11.9	93.0	90.7	9	5.3	5	2.9
Central Harlem	272	14.1	11.0	14.3	15.4	83.1	10.3	14.7	97.4	87.5	2	7.4	-	-
East Harlem	309	14.8	35.9	31.7	23.9	83.5	12.9	10.0	93.9	92.6	2	6.5	2	6.5
Kips Bay-Yorkville	39	1.5	15.4	5.1	28.2	89.7	10.3	5.1	89.7	76.9	-	-	-	-
Lower East Side	188	7.2	39.4	23.4	17.6	82.4	3.7	8.5	88.8	87.2	1	5.3	1	5.3
Lower West Side	100	3.7	16.0	31.0	26.0	83.0	14.0	21.0	92.0	78.0	-	-	-	-
Riverside	170	7.0	21.8	39.4	27.6	86.5	8.2	14.7	93.5	90.0	-	-	-	-
Washington Heights	635	13.5	6.3	79.7	48.3	85.7	7.4	10.9	92.1	95.3	4	6.3	2	3.1
BRONX	3,250	15.1	38.8	26.3	26.6	79.0	10.8	8.9	91.5	79.4	24	7.4	15	4.6
Fordham-Riverdale	521	12.2	35.9	37.8	33.4	78.7	5.4	9.2	90.2	83.7	-	-	-	-
Morrisania	592	17.8	39.0	24.7	24.0	78.4	13.7	5.7	92.4	80.4	8	13.5	6	10.1
Mott Haven	480	20.2	49.2	26.9	20.6	77.9	13.1	12.1	91.0	89.0	3	6.3	2	4.2
Pelham Bay	376	13.0	21.8	9.6	30.1	85.1	11.2	10.6	93.4	69.1	4	10.6	4	10.6
Tremont	785	17.3	36.8	32.9	30.3	75.0	11.3	6.5	92.0	78.3	6	7.6	1	1.3
Westchester	491	11.8	48.1	17.9	20.0	82.5	9.6	12.0	89.8	73.7	3	6.1	2	4.1
BROOKLYN	4,079	10.3	18.7	19.1	30.9	81.7	10.8	11.0	87.9	77.4	36	8.8	23	5.6
Bay Ridge	193	5.1	17.1	26.4	50.3	80.8	12.4	7.3	64.8	65.8	1	5.2	1	5.2
Bedford	558	13.9	6.3	4.1	24.6	80.3	12.5	11.8	95.5	74.7	10	17.9	4	7.2
Brownsville	686	14.0	17.5	8.3	19.0	80.8	10.3	8.0	94.2	74.8	7	10.2	3	4.4
Bushwick	649	17.4	34.4	29.4	26.5	78.4	12.2	8.9	93.1	87.5	7	10.8	6	9.2
Flatbush	663	7.7	3.9	13.0	47.2	86.4	10.6	10.9	86.3	68.3	4	6.0	4	6.0
Fort Greene	343	15.0	18.7	13.4	17.5	80.2	9.3	10.8	96.5	84.3	1	2.9	-	-
Gravesend	256	7.1	19.5	20.3	35.5	87.5	10.9	34.4	79.7	77.7	2	7.8	2	7.8
Red Hook-Gowanus	118	8.0	38.1	21.2	18.6	85.6	9.3	8.5	91.5	83.9	1	8.5	1	8.5
Sunset Park	321	7.9	21.8	45.8	48.6	79.8	11.2	7.5	71.0	78.5	2	6.2	1	3.1
Williamsburg-Greenpoint	290	9.2	33.4	34.5	27.9	81.4	6.2	7.9	79.7	82.1	1	3.4	1	3.4
QUEENS	2,240	7.9	10.1	39.8	46.3	83.4	9.6	10.4	84.2	76.4	12	5.4	8	3.6
Astoria-Long Island City	262	7.0	8.4	53.8	54.6	86.3	7.3	13.0	76.7	77.5	2	7.6	2	7.6
Corona	527	8.8	4.0	77.6	71.2	82.5	8.0	10.2	85.0	77.2	3	5.7	2	3.8
Flushing	174	3.7	9.2	39.1	55.2	90.2	9.8	9.8	78.7	66.7	-	-	-	-
Jamaica East	535	11.4	3.9	9.9	28.6	81.9	10.1	8.2	91.0	75.7	2	3.7	1	1.9
Jamaica West	555	9.4	15.9	25.8	35.5	82.0	12.3	11.2	84.0	79.8	5	9.0	3	5.4
Maspeth-Forest Hills	184	5.3	31.5	40.8	38.0	83.7	8.7	11.4	78.3	73.4	-	-	-	-
RICHMOND	350	6.1	17.4	14.0	16.0	83.1	9.4	10.3	88.6	53.7	4	11.4	3	8.6
NON-RESIDENTS	155	1.6	16.1	12.3	18.7	85.8	13.5	11.0	65.8	40.6	-	-	-	-
RESIDENCE UNKNOWN	1	-	-	-	-	-	-	-	-	-	-	-	-	-

*Rate per 1,000 live births to teenagers.

Table 27.

Live Births to Teenagers by Selected Characteristics, New York City, 1985-1998

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total Live Births	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252
Percent to Teenagers	11.2	10.8	10.3	10.4	10.3	10.1	10.1	10.1	10.4	10.6	10.5	10.3	9.6	9.5
Births to Teenagers	13,304	13,168	13,166	13,714	14,121	14,131	13,999	13,795	13,848	14,156	13,713	13,020	11,793	11,789
Percent of Births with Specified Characteristics:														
Puerto Rican	28.6	29.4	29.1	28.6	27.4	27.5	27.0	25.9	25.6	23.4	22.2	22.3	22.2	22.5
Other Hispanic	10.3	10.8	12.9	12.6	15.3	17.2	19.1	20.8	21.6	23.8	28.2	27.2	27.2	28.7
Foreign Born Mother	16.8	17.8	18.6	19.6	21.2	24.6	26.0	26.9	27.9	28.6	30.8	31.3	32.5	32.1
First Live Birth	80.1	79.8	80.3	79.5	79.8	78.7	77.4	78.2	77.9	77.5	78.2	80.2	81.5	81.8
Under 2,500 Grams	11.2	11.7	11.4	11.7	11.4	10.9	11.5	10.4	11.1	10.7	10.6	9.7	10.8	10.3
Prenatal Care in First 6 Months of Pregnancy	59.7	56.2	58.0	65.8	61.8	60.2	64.0	65.6	66.1	69.5	71.3	71.7	67.3	68.8
Not Married	81.7	82.7	82.1	80.2	82.0	82.4	83.1	84.2	88.1	89.8	89.3	90.8	87.3	88.6
On Medicaid	66.9	64.2	64.3	62.8	66.8	74.2	78.0	79.2	79.4	80.6	78.6	81.5	80.2	78.5
Infant Mortality Rate*	17.1	16.9	14.4	15.0	13.5	13.1	13.6	11.0	11.9	9.9	12.3	9.4	9.5	7.5

*Rate per 1,000 live births to teenagers.

Table 28.

**Number of Maternal Risk Factors by Health Center District of Residence
New York City, 1998**

Health Center District	Total Live Births	Percent of Total Live Births with Specified Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	124,252	42.2	38.7	16.5	2.6
MANHATTAN	19,162	43.6	37.9	15.9	2.6
Central Harlem	1,927	16.8	49.9	29.1	4.3
East Harlem	2,091	28.4	45.9	23.0	2.7
Kips Bay-Yorkville	2,653	68.3	29.1	1.8	0.8
Lower East Side	2,607	57.5	32.2	9.3	1.0
Lower West Side	2,729	60.4	31.2	6.9	1.6
Riverside	2,435	52.2	33.4	12.2	2.2
Washington Heights	4,713	25.5	43.9	26.1	4.6
BRONX	21,575	25.3	44.7	25.5	4.5
Fordham-Riverdale	4,282	31.6	42.8	22.1	3.5
Morrisania	3,323	16.9	46.0	31.5	5.7
Mott Haven	2,373	17.5	48.5	29.0	5.0
Pelham Bay	2,889	32.3	42.3	21.4	4.0
Tremont	4,547	16.8	46.9	30.5	5.8
Westchester	4,145	34.6	42.9	19.5	3.0
BROOKLYN	39,571	36.8	42.9	17.6	2.7
Bay Ridge	3,789	59.0	32.7	7.5	0.8
Bedford	4,020	24.0	45.3	26.3	4.4
Brownsville	4,900	23.2	48.3	24.9	3.6
Bushwick	3,724	22.0	47.6	26.1	4.3
Flatbush	8,567	35.3	46.1	16.3	2.4
Fort Greene	2,284	28.0	43.8	24.1	4.1
Gravesend	3,588	44.5	37.9	14.7	2.8
Red Hook-Gowanus	1,472	48.5	37.0	12.2	2.2
Sunset Park	4,055	44.4	43.6	10.6	1.5
Williamsburg-Greenpoint	3,158	52.0	36.0	10.5	1.6
QUEENS	28,501	45.5	37.5	15.0	2.1
Astoria-Long Island City	3,739	42.8	38.3	16.3	2.5
Corona	6,005	33.8	41.2	21.8	3.1
Flushing	4,657	63.1	27.3	8.4	1.2
Jamaica East	4,699	36.2	43.8	17.7	2.3
Jamaica West	5,918	45.2	39.2	13.8	1.8
Maspeth-Forest Hills	3,453	58.2	31.9	8.8	1.0
RICHMOND	5,702	67.1	24.3	7.6	1.0
NON-RESIDENTS	9,729	74.6	22.2	2.8	0.4
RESIDENCE UNKNOWN	12	—	—	—	—

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

Table 29.

**Live Births, Infant Deaths and Infant Mortality Rates
by Birth Weight and Number of Maternal Risk Factors
New York City, 1998**

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	52,431	191	3.6	3,571	129	36.1	48,855	62	1.3
One	48,102	341	7.1	4,460	259	58.1	43,633	78	1.8
Two	20,490	217	10.6	2,510	168	66.9	17,977	49	2.7
Three	3,229	37	11.5	380	26	68.4	2,848	11	3.9
Unmatched ⁽²⁾	—	57	—	—	—	—	—	—	—
Total	124,252	843	6.8	10,921	582	53.3	113,313	200	1.8

(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, Race and Age, New York City, 1998

Birth Weight in Grams	Live Births				Infant Deaths														
					Total					Age Under 28 Days					Age Under 7 Days				
	Total	White	Black	Other	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500	169	72	79	18	152	56	48	5	43	146	54	46	5	41	141	54	42	5	40
500-999	942	373	519	50	291	97	118	12	64	241	83	90	8	60	193	62	68	6	57
1000-1499	1,064	489	493	82	51	24	18	4	5	37	17	13	3	4	26	11	9	3	3
1500-1999	2,103	1,045	864	194	43	20	16	1	6	26	12	8	-	6	21	10	7	-	4
2000-2499	6,643	3,373	2,512	758	45	23	14	3	5	23	11	5	2	5	18	8	5	1	4
Less than 2500	10,921	5,352	4,467	1,102	582	220	214	25	123	473	177	162	18	116	399	145	131	15	108
2500-2999	23,365	12,174	8,089	3,102	78	38	28	6	6	30	17	6	3	4	19	10	4	1	4
3000-3499	47,588	27,421	14,359	5,808	72	38	28	2	4	34	18	11	2	3	22	12	8	1	1
3500-3999	32,347	20,063	9,061	3,223	38	26	9	1	2	19	11	6	-	2	13	7	4	-	2
4000-4499	8,609	5,622	2,319	668	9	4	4	-	1	4	2	1	-	1	1	-	-	-	1
4500-4999	1,269	813	376	80	3	-	3	-	-	2	-	2	-	-	2	-	2	-	-
5000 & over	135	77	50	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 & over	113,313	66,170	34,254	12,889	200	106	72	9	13	89	48	26	5	10	57	29	18	2	8
Not stated	18	10	4	4	4	1	-	-	3	4	1	-	-	3	4	1	-	-	3
Unmatched*	-	-	-	-	57	35	16	4	2	27	18	4	3	2	15	9	2	2	2
Total	124,252	71,532	38,725	13,995	843	362	302	38	141	593	244	192	26	131	475	184	151	19	121

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

Table 30b. Infant Mortality Rates by Birth Weight, Race and Age, New York City, 1998

Birth Weight in Grams	Total				Age Under 28 Days				Age Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500	899.4 *	**	**	**	863.9	**	**	**	834.3	**	**	**
500-999	308.9	260.1	227.4	**	255.8	222.5	173.4	**	204.9	166.2	131.0	**
1000-1499	47.9	49.1	36.5	**	34.8	34.8	26.4	**	24.4	22.5	18.3	**
1500-1999	20.4	19.1	18.5	5.2	12.4	11.5	9.3	-	10.0	9.6	8.1	-
2000-2499	6.8	6.8	5.6	4.0	3.5	3.3	2.0	2.6	2.7	2.4	2.0	1.3
Less than 2500	53.3	41.1	47.9	22.7	43.3	33.1	36.3	16.3	36.5	27.1	29.3	13.6
2500-2999	3.3	3.1	3.5	1.9	1.3	1.4	0.7	1.0	0.8	0.8	0.5	0.3
3000-3499	1.5	1.4	1.9	0.3	0.7	0.7	0.8	0.3	0.5	0.4	0.6	0.2
3500-3999	1.2	1.3	1.0	0.3	0.6	0.5	0.7	-	0.4	0.3	0.4	-
4000-4499	1.0	0.7	1.7	-	0.5	0.4	0.4	-	0.1	-	-	-
4500-4999	2.4	-	8.0	**	1.6	-	5.3	**	1.6	-	5.3	**
5000 & over	-	**	**	**	-	**	**	**	-	**	**	**
2500 & over	1.8	1.6	2.1	0.7	0.8	0.7	0.8	0.4	0.5	0.4	0.5	0.2
Total	6.8	5.1	7.8	2.7	4.8	3.4	5.0	1.9	3.8	2.6	3.9	1.4

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

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

Table 31. Infant Deaths by Sex, Age and Race, and by Cause, New York City, 1998

	Total	MALE			FEMALE		
		Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total	843	252	58	133	223	60	117
Race of Infant							
White	362	91	31	65	93	29	53
Black	302	80	20	57	71	21	53
Other and not stated	179	81	7	11	59	10	11
Cause of Death (ICD-9 Codes)							
Certain Gastrointestinal Diseases (008-009, 535, 555-558)	3	-	-	1	-	-	2
Human Immunodeficiency Virus Infection (042-044)	2	-	-	1	-	-	1
Pneumonia and Influenza (480-487)	18	-	-	8	-	-	10
Congenital Anomalies (740-759)	187	51	14	33	43	20	26
Short Gestation and Low Birth Weight (765)	106	52	4	1	48	1	-
Birth Trauma (767)	2	-	1	-	1	-	-
Intrauterine Hypoxia and Birth Asphyxia (768)	14	3	2	1	7	-	1
Respiratory Distress Syndrome (769)	73	33	9	2	18	9	2
Respiratory Conditions of Newborn (770)	80	29	4	11	25	2	9
Neonatal Hemorrhage (772)	5	1	-	1	2	1	-
Other Conditions Originating in the Perinatal Period (Rest of 760-779)	213	78	11	15	71	21	17
Sudden Infant Death Syndrome (798.0)	35	-	3	18	-	1	13
Injuries (E800-E999)	37	3	1	14	3	-	16
All other causes	68	2	9	27	5	5	20

Table 32.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1982-1998**

Mother's Ethnic Group (1)	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Live Births, Total	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252
Puerto Rican	18,289	18,014	17,887	17,961	18,138	18,625	18,822	19,248	19,327	18,851	17,856	16,568	15,182	13,895	12,925	12,947	13,056
Other Hispanic	13,704	14,463	15,228	15,758	16,689	19,372	20,145	23,013	24,912	25,564	25,556	26,571	28,298	29,717	28,114	26,108	26,793
Asian	8,749	8,947	9,127	9,553	9,894	10,926	11,597	12,051	12,394	12,602	12,688	10,742	11,268	11,647	12,782	13,226	13,132
Other White	35,653	35,788	35,405	36,825	37,465	37,558	38,992	39,362	38,906	37,464	37,102	38,403	38,203	36,711	37,215	37,006	36,957
Other Black	34,644	34,749	35,212	37,616	39,064	40,020	41,356	43,069	42,844	41,486	40,662	39,768	39,195	37,217	34,798	33,500	33,675
Other & Unknown	448	392	473	829	858	885	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639
Infant Deaths (Under 1 Year) (2) Total	1,706	1,603	1,540	1,591	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843
Puerto Rican	296	244	263	226	240	240	241	257	238	211	194	178	120	146	112	96	85
Other Hispanic	154	141	133	139	156	182	186	219	195	187	170	196	174	197	164	141	129
Asian	74	75	76	76	63	65	79	93	67	76	73	61	57	57	56	51	49
Other White	409	388	363	368	323	350	353	321	300	278	227	244	223	204	197	189	201
Other Black	762	742	680	758	751	802	891	911	797	777	676	646	598	522	448	385	363
Other & Unknown	11	13	25	24	33	34	20	26	23	46	50	41	35	29	15	19	16
Infant Mortality Rate (3) Total	15.3	14.3	13.6	13.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8
Puerto Rican	16.2	13.5	14.7	12.6	13.2	12.9	12.8	13.4	12.3	11.2	10.9	10.7	7.9	10.5	8.7	7.4	6.5
Other Hispanic	11.2	9.7	8.7	8.8	9.3	9.4	9.2	9.5	7.8	7.3	6.7	7.4	6.1	6.6	5.8	5.4	4.8
Asian	8.5	8.4	8.3	8.0	6.4	5.9	6.8	7.7	5.4	6.0	5.8	5.7	5.1	4.9	4.4	3.9	3.7
Other White	11.5	10.8	10.3	10.0	8.6	9.3	9.1	8.2	7.7	7.4	6.1	6.4	5.8	5.6	5.3	5.1	5.4
Other Black	22.0	21.4	19.3	20.2	19.2	20.0	21.5	21.2	18.6	18.7	16.6	16.2	15.3	14.0	12.9	11.5	10.8
Neonatal Deaths (Under 28 Days) Total	1,173	1,070	1,014	1,082	1,078	1,139	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593
Puerto Rican	198	166	165	141	157	157	159	172	155	138	138	108	67	113	72	60	60
Other Hispanic	110	102	97	100	117	134	133	153	136	136	120	136	122	143	113	107	92
Asian	52	47	53	45	47	42	59	60	44	45	50	38	42	44	35	37	34
Other White	301	274	267	268	254	251	264	238	222	201	157	177	158	146	139	130	139
Other Black	506	471	414	513	481	535	602	610	518	533	436	425	389	342	283	257	252
Neonatal Mortality Rate (3) Total	10.5	9.5	8.9	9.1	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8
Puerto Rican	10.8	9.2	9.2	7.9	8.7	8.4	8.4	8.9	8.0	7.3	7.7	6.5	4.4	8.1	5.6	4.6	4.6
Other Hispanic	8.0	7.1	6.4	6.3	7.0	6.9	6.6	6.6	5.5	5.3	4.7	5.1	4.3	4.8	4.0	4.1	3.4
Asian	5.9	5.3	5.8	4.7	4.8	3.8	5.1	5.0	3.6	3.6	3.9	3.5	3.7	3.8	2.7	2.8	2.6
Other White	8.4	7.7	7.5	7.3	6.8	6.7	6.8	6.0	5.7	5.4	4.2	4.6	4.1	4.0	3.7	3.5	3.8
Other Black	14.6	13.6	11.8	13.6	12.3	13.4	14.6	14.2	12.1	12.8	10.7	10.7	9.9	9.2	8.1	7.7	7.5
Maternal Deaths, Total	37	44	21	30	29	28	26	29	35	24	30	20	29	26	22	17	16
Puerto Rican	5	3	1	1	4	2	2	4	1	4	2	2	4	3	1	1	1
Other Hispanic	6	8	3	6	-	4	6	2	4	2	3	2	5	7	4	2	2
Asian	1	1	-	1	2	6	1	1	1	-	1	-	2	1	1	1	1
Other White	8	7	4	3	6	3	2	2	2	2	6	-	6	-	4	2	2
Other Black	16	24	13	15	14	8	15	20	25	15	16	14	12	14	11	11	10
Maternal Mortality Rate (4) Total	3.3	3.9	1.9	2.5	2.4	2.2	2.0	2.1	2.5	1.7	2.2	1.5	2.2	2.0	1.7	1.4	1.3
Puerto Rican	2.7	1.7	0.6	0.6	2.2	1.1	1.1	2.1	0.5	2.1	1.1	1.2	2.6	2.2	0.8	0.8	0.8
Other Hispanic	4.4	5.5	2.0	3.8	-	2.1	3.0	0.9	1.6	0.8	1.2	0.8	1.8	2.4	1.4	0.8	0.7
Asian	1.1	1.1	-	1.0	2.0	5.5	0.9	0.8	0.8	-	0.8	-	1.8	0.9	0.8	0.8	0.8
Other White	2.2	2.0	1.1	0.8	1.6	0.8	0.5	0.5	0.5	0.5	1.6	-	1.6	-	1.1	0.5	0.5
Other Black	4.6	6.9	3.7	4.0	3.6	2.0	3.6	4.6	5.8	3.6	3.9	3.5	3.1	3.8	3.2	3.3	3.0

(1) Puerto Rican and other Hispanic ethnicities are based on ancestry, regardless of race. Prior to 1993, Asian ethnicity is based on ancestry; beginning in 1993, Asian ethnicity is based on race.

Those of other ancestries are classified as Other White, Other Black, Other and Unknown based on race. See Technical Notes for a discussion of race, ancestry and ethnicity.

(2) In the absence of a matching birth certificate for an infant death, the information on the death certificate is used to assign a maternal ethnic group. The assignment for the years 1992-1996 has been corrected, resulting in infant mortality rates for other whites and other blacks slightly higher than those published previously, and in fewer infant deaths with mother's ethnic group unknown.

(3) Rate per 1,000 live births.

(4) Rate per 10,000 live births.

Table 33.

Cases of Reportable Diseases, New York City, 1940-1998

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chicken Pox	Pertussis	Meningococcal Meningitis	Poliomyelitis	Syphilis		Gonorrhea	Encephalitis	Hepatitis	Rubella
								Total	Primary & Secondary				
1940	8,212	10,496	13,569	13,046	5,775	48	67	30,178	3,113	14,639	28		988
1941-1945	7,870	24,890	8,111	9,277	5,706	705	658	25,773	4,124	13,955	42		7,360
1946-1950	6,888	17,348	3,579	9,912	2,574	145	991	24,144	3,688	21,522	55	140	2,442
1951	6,331	9,644	2,144	11,849	1,606	110	555	22,458	801	14,114	200	202	4,122
1952	6,021	34,614	3,548	8,912	1,379	144	821	25,078	784	12,105	280	285	3,267
1953	6,110	5,117	1,595	12,942	2,733	183	677	25,224	658	12,505	311	515	2,315
1954	5,439	41,037	2,143	8,775	1,777	129	844	19,412	617	12,379	270	809	1,186
1955	5,064	9,712	1,834	10,486	1,136	108	806	18,056	566	11,239	220	1,154	8,888
1956	5,089	21,616	2,357	11,433	1,113	75	149	17,052	605	10,482	309	824	3,100
1957	5,162	10,226	1,657	7,287	1,326	75	57	15,485	635	11,479	204	597	1,998
1958	4,513	28,272	1,944	8,403	655	36	100	13,082	911	13,341	165	637	5,911
1959	4,196	5,215	2,043	7,731	1,322	92	170	13,131	1,454	14,370	212	841	4,694
1960	3,923	25,523	2,622	8,042	416	89	92	16,872	2,606	16,677	97	1,106	3,760
1961	3,635	4,796	2,820	6,190	249	69	2	20,017	3,374	18,285	216	1,839	1,543
1962	3,702	29,631	1,259	7,913	307	59	7	20,058	3,329	18,901	175	1,359	1,560
1963	4,057	7,406	1,287	6,683	212	50	1	19,312	3,481	22,912	147	1,325	3,294
1964	3,381	15,435	1,052	6,183	304	42	2	18,875	3,215	25,896	158	1,287	21,292
1965	3,389	4,127	792	7,423	194	68	0	16,999	2,897	29,032	162	1,248	1,031
1966	2,952	8,381	799	4,172	206	56	0	13,724	2,364	29,679	146	1,552	1,036
1967	2,893	529	731	5,897	179	65	1	13,918	1,987	27,373	61	2,558	1,030
1968	2,658	2,445	732	4,267	122	90	1	13,204	2,172	32,637	61	3,542	3,074
1969	2,397	5,033	891	3,640	149	88	0	11,439	2,630	36,729	57	3,982	1,185
1970	2,073	1,154	513	4,978	163	90	0	10,362	3,780	36,783	35	4,492	685
1971	2,048	3,819	614	3,815	55	60	0	11,642	3,854	38,472	19	4,160	626
1972	1,874	447	445	5,603	79	44	1	10,390	4,106	48,414	11	2,907	271
1973	1,740	965	708	4,496	77	37	0	7,334	3,256	45,467	26	1,478	502
1974	1,582	651	402	3,877	75	26	0	7,593	3,184	42,071	17	1,078	173
1975	2,187	170	463	3,982	40	32	0	7,236	2,864	39,981	14	1,366	193
1976	1,775	497	609	3,289	43	51	1	6,832	2,494	40,589	20	1,897	163
1977	1,189	804	583	3,936	47	64	0	4,749	1,881	39,302	20	1,604	336
1978	1,034	405	271	2,773	54	88	0	5,567	2,060	40,208	30	1,260	152
1979	1,240	859	312	3,052	44	91	1	6,680	2,552	40,034	17	1,080	290
1980	1,186	1,210	319	4,789	30	110	0	5,906	2,387	43,699	15	1,079	105
1981	1,340	108	464	3,863	25	91	0	6,878	2,568	45,859	20	1,722	55
1982	1,246	49	583	3,382	53	104	2	7,296	2,602	46,960	21	1,980	36
1983	1,306	72	454	4,383	61	89	1	6,822	2,473	46,117	14	1,992	87
1984	1,322	113	427	5,811	20	75	0	6,796	2,285	48,032	9	2,268	111
1985	1,482	181	409	2,366	26	70	1	6,947	2,157	58,532	18	N.A.	184
1986	1,766	944	N.A.	1,583	10	81	0	6,465	2,111	69,998	21	884	2
1987	1,815	449	206	5,091	15 *	57	0	10,472	4,452	84,022	8	1,514	3 *
1988	1,814	57 *	81	3,406	11 *	66	0	11,966	5,042	52,404	6	1,945	7 *
1989	2,118	135	108	4,307	19	50	0	13,748	4,362	40,533	9	2,170	16
1990	2,937	1,108	175	4,732	21	79	0	16,195	4,265	35,236	12	1,539	4
1991	3,111	1,909	325	4,967	22	30	0	14,895	3,133	28,945	5	1,725	2
1992	3,283	68	258	6,578	24	28	0	13,439	2,246	21,709	9	1,322	0
1993	2,753	19	267	5,359	116	40	0	10,476	1,129	18,477	5	1,574	22
1994	2,483	15	335	5,977 **	223	40	0	7,640	626	19,246	11	1,486	1
1995	1,939	5	211		36	54	0	7,577	362	16,361	8	1,531	6
1996	1,600	12 *	164		62 *	56	0	5,670	138	12,998	4	1,118	5
1997	1,344 *	13 *	218		86 *	57	0	4,889	97	14,556	14	1,360	25 *
1998	1,173	0	527		54	35	0	4,503	82	12,100	14	990	17

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

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

* Figure corrected from previous summaries.

** Not reportable as of December 11, 1994.

Table 34.

Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-1998

Sex/Risk Group	1980-1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Male														
Intravenous Drug Use (IDU)	1,543	1,118	1,482	2,118	2,234	2,727	3,161	3,914	4,611	4,066	3,435	2,470	1,723	1,041
Sex with Men	3,576	2,178	2,407	2,607	2,640	2,645	2,863	3,224	3,594	3,385	2,772	1,900	1,291	870
IDU and Sex with Men	378	182	233	236	256	238	311	311	278	196	158	106	90	48
Transfusion	40	34	33	49	28	32	29	29	33	51	51	39	28	22
Heterosexual Transmission	7	7	7	21	28	33	68	116	229	334	397	373	321	229
Other	298	152	205	323	360	381	513	638	764	1,070	1,524	1,575	1,268	900
Total	5,842	3,671	4,367	5,354	5,546	6,056	6,945	8,232	9,509	9,102	8,337	6,463	4,721	3,110
Female														
Intravenous Drug Use	408	307	464	649	755	954	1,246	1,490	1,745	1,543	1,360	1,001	718	446
Heterosexual Transmission	125	113	220	253	319	425	528	696	1,033	1,043	1,013	809	653	405
Transfusion	25	23	25	23	16	20	12	24	21	22	33	35	28	18
Other	141	74	123	137	180	210	239	322	348	446	617	663	674	504
Total	699	517	832	1,062	1,270	1,609	2,025	2,532	3,147	3,054	3,023	2,508	2,073	1,373

Note: Figures include reports through September 1999; data for recent years are incomplete due to reporting lag.

Special Section: Selected Vital Statistics by Community District of Residence, 1998

Community districts were established by City Charter mandate and implemented in 1969 for purposes of planning, local participation in city government and delivery of city services. The availability of Vital Statistics data by community district may be useful for comparison with other New York City data.

Figure A. Community Districts and Boroughs, New York City

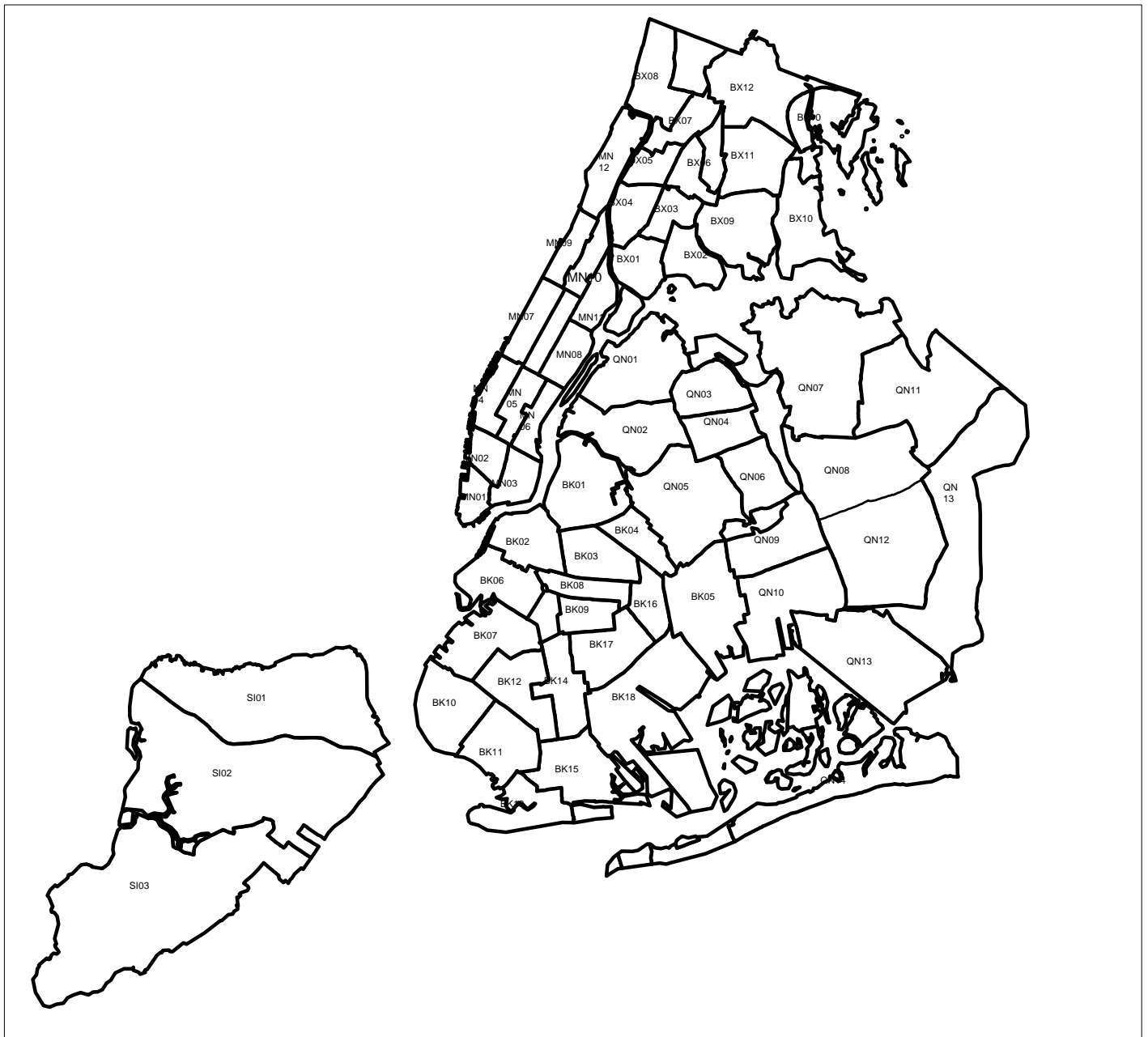


Table A. Deaths and Death Rates per 100,000 Population from Selected Causes by Community District of Residence, New York City, 1998

Community District	Population April 1, 1990	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Infection		Pneumonia and Influenza		Cerebro-Vascular Diseases		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence & Accidental Drug Poisoning		Accidents Except Drug Poisoning		Suicide		Homicide		Injury Undetermined	
		No.	Rate	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
Manhattan	1,487,536	11,128	7.5	4,030	270.9	2,747	184.7	516	34.7	599	40.3	419	28.2	352	23.7	115	7.7	259	17.4	179	12.0	175	11.8	122	8.2	89	6.0	14	0.9
01	25,366	120	4.7	46	181.3	37	145.9	5	19.7	4	15.8	5	19.7	1	3.9	-	-	1	3.9	3	11.8	4	15.8	1	3.9	-	-	-	-
02	94,105	616	6.5	253	268.8	151	160.5	24	25.5	35	37.2	20	21.3	19	20.2	3	3.2	6	6.4	11	11.7	13	13.8	9	9.6	2	2.1	-	-
03	161,617	1,325	8.2	456	282.1	312	193.0	80	49.5	82	50.7	54	33.4	39	24.1	13	8.0	34	21.0	19	11.8	20	12.4	19	11.8	7	4.3	1	0.6
04	84,431	658	7.8	244	289.0	179	212.0	52	61.6	17	20.1	16	19.0	25	29.6	6	7.1	9	10.7	20	23.7	12	14.2	8	9.5	3	3.6	1	1.2
05	43,507	238	5.5	91	209.2	57	131.0	18	41.4	8	18.4	5	11.5	9	20.7	1	2.3	1	2.3	5	11.5	5	11.5	7	16.1	3	6.9	-	-
06	133,748	955	7.1	365	272.9	303	226.5	22	16.4	37	27.7	36	26.9	34	25.4	8	6.0	11	8.2	12	9.0	14	10.5	11	8.2	4	3.0	1	0.7
07	210,993	1,534	7.3	602	285.3	396	187.7	59	28.0	81	38.4	65	30.8	39	18.5	16	7.6	35	16.6	23	10.9	21	10.0	19	9.0	6	2.8	3	1.4
08	210,880	1,429	6.8	623	295.4	364	172.6	25	11.9	82	38.9	53	25.1	42	19.9	12	5.7	22	10.4	8	3.8	20	9.5	16	7.6	5	2.4	1	0.5
09	106,978	743	6.9	256	239.3	164	153.3	38	35.5	32	29.9	28	26.2	23	21.5	11	10.3	31	29.0	10	9.3	7	6.5	4	3.7	16	15.0	-	-
10	99,519	1,194	12.0	346	347.7	276	277.3	79	79.4	61	61.3	45	45.2	43	43.2	15	15.1	44	44.2	29	29.1	17	17.1	7	7.0	12	12.1	4	4.0
11	110,508	1,168	10.6	331	299.5	254	229.8	74	67.0	75	67.9	44	39.8	36	32.6	16	14.5	40	36.2	30	27.1	22	19.9	8	7.2	23	20.8	2	1.8
12	198,192	1,147	5.8	417	210.4	254	128.2	40	20.2	85	42.9	47	23.7	42	21.2	14	7.1	25	12.6	9	4.5	20	10.1	13	6.6	8	4.0	1	0.5
Bronx	1,203,789	9,633	8.0	3,632	301.7	1,991	165.4	495	41.1	500	41.5	374	31.1	273	22.7	145	12.0	328	27.2	181	15.0	147	12.2	71	5.9	168	14.0	24	2.0
01	77,214	506	6.6	130	168.4	107	138.6	51	66.1	21	27.2	18	23.3	18	23.3	12	15.5	30	38.9	14	18.1	7	9.1	7	9.1	16	20.7	2	2.6
02	39,443	291	7.4	73	185.1	52	131.8	18	45.6	23	58.3	14	35.5	10	25.4	9	22.8	14	35.5	9	22.8	9	22.8	5	12.7	6	15.2	1	2.5
03	58,345	496	8.5	123	210.8	92	157.7	49	84.0	41	70.3	27	46.3	16	27.4	14	24.0	16	27.4	17	29.1	8	13.7	3	5.1	11	18.9	-	-
04	118,779	814	6.9	225	189.4	171	144.0	75	63.1	30	25.3	29	24.4	26	21.9	18	15.2	35	29.5	28	23.6	12	10.1	8	6.7	26	21.9	2	1.7
05	118,435	550	4.6	123	103.9	112	94.6	61	51.5	21	17.7	21	17.7	12	10.1	10	8.4	22	18.6	24	20.3	8	6.8	3	2.5	22	18.6	4	3.4
06	68,061	514	7.6	142	208.6	105	154.3	41	60.2	20	29.4	24	35.3	22	32.3	12	17.6	31	45.5	14	20.6	6	8.8	6	8.8	14	20.6	1	1.5
07	128,588	940	7.3	368	286.2	179	139.2	55	42.8	57	44.3	37	28.8	26	20.2	13	10.1	22	17.1	23	17.9	18	14.0	5	3.9	17	13.2	2	1.6
08	97,030	1,094	11.3	507	522.5	228	235.0	16	16.5	81	83.5	38	39.2	21	21.6	9	9.3	26	26.8	9	9.3	13	13.4	7	7.2	4	4.1	2	2.1
09	165,743	1,123	6.8	406	245.0	245	147.8	76	45.9	46	27.8	42	25.3	25	15.1	17	10.3	34	20.5	20	12.1	23	13.9	4	2.4	18	10.9	4	2.4
10	97,863	1,173	12.0	569	581.4	270	275.9	9	9.2	47	48.0	43	43.9	39	39.9	14	14.3	24	24.5	6	6.1	15	15.3	9	9.2	8	8.2	3	3.1
11	98,299	1,103	11.2	521	530.0	206	209.6	20	20.3	64	65.1	48	48.8	31	31.5	9	9.2	42	42.7	9	9.2	15	15.3	8	8.1	6	6.1	-	-
12	129,620	1,027	7.9	445	343.3	223	172.0	24	18.5	49	37.8	33	25.5	27	20.8	8	6.2	32	24.7	8	6.2	13	10.0	6	4.6	20	15.4	3	2.3
Brooklyn	2,300,664	17,869	7.8	7,853	341.3	3,997	173.7	609	26.5	749	32.6	535	23.3	435	18.9	192	8.3	495	21.5	209	9.1	318	13.8	122	5.3	223	9.7	40	1.7
01	155,972	982	6.3	397	254.5	199	127.6	38	24.4	44	28.2	36	23.1	28	18.0	18	11.5	32	20.5	15	9.6	25	16.0	8	5.1	15	9.6	4	2.6
02	94,534	743	7.9	320	338.5	165	174.5	35	37.0	35	37.0	20	21.2	21	22.2	8	8.5	19	20.1	11	11.6	14	14.8	2	2.1	7	7.4	-	-
03	138,696	1,134	8.2	364	262.4	256	184.6	96	69.2	54	38.9	34	24.5	25	18.0	12	8.7	37	26.7	25	18.0	16	11.5	7	5.0	21	15.1	4	2.9
04	102,572	581	5.7	185	180.4	108	105.3	40	39.0	23	22.4	23	22.4	19	18.5	11	10.7	42	40.9	13	12.7	17	16.6	1	1.0	12	11.7	5	4.9
05	161,350	1,042	6.5	405	251.0	211	130.8	54	33.5	47	29.1	33	20.5	26	16.1	19	11.8	35	21.7	23	14.3	25	15.5	10	6.2	33	20.5	2	1.2
06	102,228	693	6.8	255	249.4	186	181.9	24	23.5	28	27.4	13	12.7	18	17.6	14	13.7	25	24.5	14	13.7	14	13.7	11	10.8	5	4.9	1	1.0
07	102,553	654	6.4	259	252.6	154	150.2	19	18.5	32	31.2	23	22.4	22	21.5	10	9.8	18	17.6	10	9.8	14	13.7	8	7.8	8	7.8	1	1.0
08	96,896	811	8.4	272	280.7	174	179.6	60	61.9	41	42.3	28	28.9	19	19.6	15	15.5	33	34.1	11	11.4	13	13.4	3	3.1	9	9.3	2	2.1
09	110,715	627	5.7	237	214.1	138	124.6	28	25.3	25	22.6	27	24.4	16	14.5	6	5.4	17	15.4	5	4.5	9	8.1	2	1.8	14	12.6	1	0.9
10	110,612	1,179	10.7	572	517.1	294	265.8	9	8.1	56	50.6	29	26.2	35	31.6	10	9.0	18	16.3	9	8.1	17	15.4	12	10.8	3	2.7	3	2.7
11	149,994	1,622	10.8	890	593.4	361	240.7	12	8.0	53	35.3	37	24.7	40	26.7	11	7.3	34	22.7	8	5.3	19	12.7	9	6.0	6	4.0	2	1.3
12	160,018	1,222	7.6	669	418.1	269	168.1	8	5.0	47	29.4	30	18.7	19	11.9	7	4.4	23	14.4	7	4.4	14	8.7	7	4.4	4	2.5	2	1.2
13	102,596	1,296	12.6	665	648.2	296	288.5	15	14.6	51	49.7	35	34.1	27	26.3	9	8.8	23	22.4	7	6.8	24	23.4	6	5.8	11	10.7	5	4.9
14	159,825	1,055	6.6	502	314.1	200	125.1	41	25.7	59	36.9	39	24.4	22	13.8	5	3.1	19	11.9	11	6.9	15	9.4	4	2.5	15	9.4	1	0.6
15	143,477	1,542	10.7	801	558.3	381	265.5	3	2.1	64	44.6	32	22.3	32	22.3	10	7.0	29	20.2	4	2.8	30	20.9	12	8.4	8	5.6	2	1.4
16	84,923	658	7.7	176	207.2	143	168.4	65	76.5	19	22.4	28	33.0	20	23.6	20	23.6	30	35.3	19	22.4	13	15.3	5	5.9	21	24.7	3	3.5
17	161,261	761	4.7	276	171.2	174	107.9	42	26.0	25	15.5	26	16.1	18	11.2	3	1.9	27	16.7	5	3.1	17	10.5	2	1.2	21	13.0	2	1.2
18	162,428	1,260	7.8	607	373.7	287	176.7	16	9.9	46	28.3	42	25.9	28	17.2	4	2.5	33	20.3	12	7.4	22	13.5	13	8.0	10	6.2	-	-

Table A. Deaths and Death Rates per 100,000 Population from Selected Causes by Community District of Residence, New York City, 1998 (Continued)

Community District	Population April 1, 1990	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Infection		Pneumonia and Influenza		Cerebro-Vascular Diseases		Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence & Accidental Drug Poisoning		Accidents Except Drug Poisoning		Suicide		Homicide		Injury Undetermined	
		No.	Rate	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
Queens	1,951,598	14,639	7.5	7,126	365.1	3,314	169.8	215	11.0	511	26.2	471	24.1	377	19.3	148	7.6	314	16.1	120	6.1	297	15.2	119	6.1	109	5.6	19	1.0
01	188,549	1,163	6.2	524	277.9	285	151.2	28	14.9	37	19.6	32	17.0	43	22.8	19	10.1	24	12.7	8	4.2	16	8.5	8	4.2	4	2.1	1	0.5
02	94,845	625	6.6	284	299.4	144	151.8	5	5.3	30	31.6	31	32.7	14	14.8	8	8.4	9	9.5	4	4.2	18	19.0	5	5.3	6	6.3	1	1.1
03	128,924	885	6.9	388	301.0	214	166.0	22	17.1	34	26.4	23	17.8	23	17.8	16	12.4	8	6.2	3	2.3	20	15.5	12	9.3	11	8.5	1	0.8
04	137,023	696	5.1	291	212.4	163	119.0	11	8.0	37	27.0	27	19.7	24	17.5	5	3.6	17	12.4	10	7.3	18	13.1	3	2.2	9	6.6	1	0.7
05	149,126	1,346	9.0	650	435.9	313	209.9	14	9.4	52	34.9	45	30.2	39	26.2	15	10.1	41	27.5	17	11.4	27	18.1	8	5.4	6	4.0	3	2.0
06	106,996	1,074	10.0	570	532.7	225	210.3	7	6.5	48	44.9	28	26.2	27	25.2	6	5.6	22	20.6	7	6.5	26	24.3	9	8.4	2	1.9	-	-
07	221,763	1,794	8.1	969	437.0	398	179.5	12	5.4	54	24.4	53	23.9	41	18.5	8	3.6	31	14.0	16	7.2	36	16.2	13	5.9	7	3.2	1	0.5
08	130,396	988	7.6	520	398.8	224	171.8	15	11.5	28	21.5	26	19.9	16	12.3	12	9.2	23	17.6	7	5.4	18	13.8	7	5.4	5	3.8	-	-
09	112,624	755	6.7	342	303.7	172	152.7	14	12.4	22	19.5	35	31.1	12	10.7	8	7.1	17	15.1	6	5.3	23	20.4	13	11.5	7	6.2	-	-
10	107,768	744	6.9	325	301.6	182	168.9	7	6.5	23	21.3	32	29.7	18	16.7	9	8.4	21	19.5	12	11.1	21	19.5	4	3.7	5	4.6	3	2.8
11	108,056	723	6.7	369	341.5	192	177.7	5	4.6	21	19.4	30	27.8	12	11.1	-	-	12	11.1	4	3.7	9	8.3	7	6.5	3	2.8	-	-
12	201,270	1,539	7.6	610	303.1	372	184.8	45	22.4	58	28.8	54	26.8	34	16.9	26	12.9	53	26.3	14	7.0	30	14.9	11	5.5	21	10.4	4	2.0
13	177,535	983	5.5	441	248.4	263	148.1	16	9.0	29	16.3	39	22.0	23	13.0	8	4.5	20	11.3	6	3.4	15	8.4	11	6.2	13	7.3	1	0.6
14	100,596	1,317	13.1	838	833.0	166	165.0	14	13.9	38	37.8	16	15.9	51	50.7	8	8.0	16	15.9	6	6.0	20	19.9	7	7.0	10	9.9	3	3.0
Staten Island	378,977	3,365	8.9	1,507	397.6	853	225.1	49	12.9	198	52.2	97	25.6	121	31.9	26	6.9	90	23.7	23	6.1	66	17.4	34	9.0	14	3.7	2	0.5
01	137,806	1,305	9.5	548	397.7	314	227.9	31	22.5	92	66.8	38	27.6	39	28.3	15	10.9	36	26.1	8	5.8	31	22.5	12	8.7	11	8.0	1	0.7
02	113,944	1,155	10.1	556	488.0	263	230.8	9	7.9	74	64.9	30	26.3	50	43.9	6	5.3	29	25.5	10	8.8	23	20.2	12	10.5	1	0.9	-	-
03	126,956	905	7.1	403	317.4	276	217.4	9	7.1	32	25.2	29	22.8	32	25.2	5	3.9	25	19.7	5	3.9	12	9.5	10	7.9	2	1.6	1	0.8

Note: Borough populations, which are county census figures, do not equal the sum of the community district populations, which are based on service delivery areas. See the Technical Notes for a discussion of the number, construction and names of community districts.

Table B.

Live Births by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 1998

Community District	Live Births Rate*		Percent of Total Live Births with Specified Characteristics								Infant Mortality (per 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry Hispanic		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Site or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**
			Puerto Rican	Other Hispanic										
Manhattan	19,036	12.8	7.8	28.3	45.1	52.3	8.5	6.0	42.0	49.6	115	6.0	87	4.6
01	350	13.8	3.1	6.6	32.6	62.6	6.6	1.7	13.1	8.0	1	2.9	-	-
02	678	7.2	1.8	4.6	43.8	64.0	8.3	2.4	14.0	17.0	7	10.3	4	5.9
03	2,010	12.4	15.3	11.2	61.4	49.1	6.9	5.4	37.3	71.6	9	4.5	6	3.0
04	705	8.4	9.1	20.0	45.4	58.4	7.4	8.1	39.1	39.9	3	4.3	2	2.8
05	407	9.4	2.7	6.9	41.3	70.5	8.6	4.9	19.9	17.4	3	7.4	2	4.9
06	1,153	8.6	2.0	5.6	39.5	67.3	7.5	2.8	8.6	6.9	4	3.5	2	1.7
07	2,520	11.9	5.8	12.9	26.8	60.6	8.4	3.9	23.3	20.6	11	4.4	7	2.8
08	2,508	11.9	1.8	6.1	31.9	60.2	7.0	1.7	7.3	7.9	4	1.6	3	1.2
09	1,583	14.8	6.7	49.7	55.0	46.6	9.4	8.4	64.8	73.8	8	5.1	7	4.4
10	1,697	17.1	6.6	12.7	30.9	36.4	12.0	10.8	76.5	73.4	20	11.8	15	8.8
11	1,916	17.3	26.1	29.0	33.0	43.2	11.2	9.5	75.0	77.1	17	8.9	15	7.8
12	3,502	17.7	4.1	81.2	71.3	46.1	7.7	7.4	60.4	80.7	28	8.0	24	6.9
Bronx	21,701	18.0	26.7	28.5	43.5	38.4	10.0	7.2	65.9	66.4	140	6.5	99	4.6
01	1,600	20.7	40.5	30.0	29.0	34.8	10.8	9.7	77.6	83.4	8	5.0	4	2.5
02	887	22.5	39.0	35.5	36.4	34.3	11.2	9.1	75.2	77.6	9	10.1	7	7.9
03	1,314	22.5	29.3	21.6	30.8	33.8	13.3	7.4	78.5	69.0	14	10.7	10	7.6
04	2,945	24.8	21.3	37.5	53.1	35.7	11.0	7.0	71.9	75.0	17	5.8	8	2.7
05	2,683	22.7	23.0	39.1	50.9	38.0	10.3	5.8	72.3	75.2	23	8.6	18	6.7
06	1,444	21.2	37.8	27.3	33.3	33.5	11.1	8.7	75.0	75.3	8	5.5	6	4.2
07	2,624	20.4	25.9	38.2	52.7	38.1	7.5	6.0	61.7	72.9	7	2.7	3	1.1
08	1,193	12.3	14.2	39.9	47.4	44.6	9.3	5.2	42.5	49.7	12	10.1	7	5.9
09	2,670	16.1	35.1	21.2	34.9	38.3	10.5	8.5	67.2	61.8	12	4.5	10	3.7
10	1,071	10.9	27.7	11.4	26.9	44.9	8.0	5.2	39.3	29.4	5	4.7	4	3.7
11	1,368	13.9	23.2	19.4	48.1	43.1	7.7	6.8	46.9	47.9	7	5.1	6	4.4
12	1,886	14.6	12.1	6.6	53.8	44.3	9.3	7.9	64.3	54.9	18	9.5	16	8.5
Brooklyn	39,571	17.2	8.7	14.7	48.2	41.1	8.9	7.5	46.5	52.9	297	7.5	205	5.2
01	3,159	20.3	13.2	23.0	35.0	36.1	6.1	4.5	32.8	57.0	8	2.5	8	2.5
02	1,241	13.1	10.6	9.6	27.6	51.7	10.1	5.4	51.8	45.2	10	8.1	7	5.6
03	2,367	17.1	9.8	11.9	28.8	40.9	12.3	8.2	76.6	68.3	32	13.5	24	10.1
04	2,173	21.2	27.3	41.8	44.4	37.9	9.6	7.5	71.3	81.0	14	6.4	7	3.2
05	2,854	17.7	16.7	21.1	41.1	36.8	11.1	7.5	69.7	68.1	20	7.0	11	3.9
06	1,434	14.0	14.0	12.8	27.8	49.8	7.5	4.0	35.6	35.5	8	5.6	6	4.2
07	2,201	21.5	18.8	43.5	63.4	42.3	7.7	4.0	48.4	69.0	13	5.9	10	4.5
08	1,645	17.0	3.5	6.4	41.6	38.4	12.5	9.2	70.2	56.8	25	15.2	17	10.3
09	1,828	16.5	2.6	7.1	61.0	39.5	8.9	6.4	55.0	49.3	21	11.5	16	8.8
10	1,693	15.3	5.7	10.3	56.4	48.0	6.3	4.6	17.4	33.7	9	5.3	5	3.0
11	2,057	13.7	3.7	10.6	61.7	49.6	6.9	8.0	21.4	40.9	8	3.9	3	1.5
12	3,904	24.4	2.4	10.8	43.3	33.6	5.6	4.9	15.2	44.0	21	5.4	11	2.8
13	1,286	12.5	13.6	14.5	49.8	56.1	9.4	33.1	48.8	62.8	6	4.7	5	3.9
14	3,045	19.1	2.7	11.5	63.3	40.6	9.3	9.5	41.9	50.0	25	8.2	20	6.6
15	1,827	12.7	2.3	6.6	57.8	44.6	7.8	8.7	18.9	33.4	10	5.5	6	3.3
16	1,587	18.7	9.6	7.1	27.9	37.1	12.9	7.8	78.9	66.9	17	10.7	13	8.2
17	2,691	16.7	1.7	3.9	70.8	40.6	10.6	6.9	65.1	51.1	28	10.4	17	6.3
18	2,565	15.8	4.2	4.2	51.9	40.9	9.8	6.5	40.1	34.0	22	8.6	19	7.4
Queens	28,501	14.6	5.2	29.3	66.3	45.6	8.3	5.9	41.4	51.8	172	6.0	123	4.3
01	2,677	14.2	4.6	30.3	70.1	49.2	7.1	6.1	36.7	56.2	22	8.2	14	5.2
02	1,613	17.0	3.1	44.6	83.7	50.8	6.1	6.0	39.5	58.8	7	4.3	5	3.1
03	2,640	20.5	2.9	67.3	81.2	45.0	8.2	7.4	54.8	62.3	15	5.7	12	4.5
04	2,941	21.5	1.8	57.9	86.5	46.2	6.7	8.8	50.1	66.1	12	4.1	10	3.4
05	2,120	14.2	17.0	27.0	47.8	46.7	6.5	5.5	36.7	45.4	10	4.7	8	3.8
06	1,148	10.7	2.0	12.8	68.7	52.9	9.1	2.7	16.2	23.6	6	5.2	5	4.4
07	2,433	11.0	3.5	22.7	74.2	44.6	7.1	5.0	25.8	44.7	10	4.1	8	3.3
08	1,882	14.4	4.0	13.8	65.4	45.1	8.0	4.0	26.0	39.2	9	4.8	7	3.7
09	2,117	18.8	12.2	28.0	66.1	41.3	7.8	5.7	39.4	54.3	7	3.3	4	1.9
10	1,671	15.5	6.4	17.5	62.5	42.8	11.3	5.7	37.0	47.0	8	4.8	7	4.2
11	786	7.3	3.1	13.1	54.2	46.2	7.4	3.2	12.5	21.4	7	8.9	4	5.1
12	3,164	15.7	2.1	15.5	52.7	41.9	11.1	5.6	62.1	60.3	29	9.2	18	5.7
13	1,933	10.9	3.2	7.8	59.0	44.2	9.7	4.3	43.6	41.4	16	8.3	11	5.7
14	1,340	13.3	8.5	13.8	32.4	48.1	10.2	8.6	60.4	62.8	14	10.4	10	7.5
Staten Island	5,702	15.0	8.2	7.9	22.4	44.7	7.5	3.3	25.7	22.4	27	4.7	19	3.3
01	2,379	17.3	12.3	12.0	30.0	45.1	7.6	4.3	41.7	35.0	13	5.5	10	4.2
02	1,474	12.9	6.3	7.1	25.5	43.9	6.7	3.8	20.8	20.6	4	2.7	2	1.4
03	1,824	14.4	4.3	3.1	10.1	44.7	8.2	1.5	8.9	7.6	10	5.5	7	3.8

*Rate per 1,000 population.

**Rate per 1,000 live births.

VITAL EVENTS - Vital event data reported here are based on occurrences in New York City to both residents and non-residents. Tables that include a geographic breakdown for residents show non-resident and residence-unknown data separately. Where there is no geographic breakdown, all New York City occurrences are included. Counts of births, deaths and induced and spontaneous terminations of pregnancy are based on certificates filed with the Office of Vital Records, New York City Department of Health. With implementation beginning in 1995 and completed by the end of 1996, birth certificates are created, printed and filed using the Electronic Birth Certificate (EBC) system. The number of induced and spontaneous terminations of pregnancy reported each year depends to some extent on the level of active surveillance by the Office of Vital Statistics. Some events from earlier years filed too late for inclusion in the year of occurrence are included in each year's annual statistical reports; see Induced Terminations of Pregnancy below. ! The number of marriages shown in Table 1 and in Figure 9 is the number of marriage licenses issued by the City Clerk. Tables 14, 15 and 16 also use outside data sources; see Life Expectancy below. ! For public health purposes, the demographic and medical information on the certificates is coded in general agreement with standards developed by the National Center for Health Statistics (NCHS). In some instances, such as Ancestry of decedent or mother, New York City data are more detailed. ! Because New York City law prohibits recording mother's marital status on the birth certificate, it is calculated using other items; see Mother's Marital Status below.

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 and other tables that show 1990 census figures may be out-dated. ! The corrected data in Table 2a are based on the Bureau of the Census's MARS File (Modified for Age, Race and Sex). The primary change is the allocation to a race category of over 900,000 New York City residents of Hispanic ancestry who did not report a race in the census; the number of New York City residents in the race category other and unknown declined from 1,392,964 to 556,918, while the number of whites increased by almost 650,000 and the number of blacks by almost 190,000. There were also some minor corrections in the age and sex distributions.

LIFE EXPECTANCY, AGE SPECIFIC AND ADJUSTED DEATH RATES - Life expectancy tables summarize the effect of mortality rates prevailing at a specific time on persons being born or living at that time. Tables may be computed for population subgroups, most often males and females and race groups. The components required are counts and mortality figures for the desired subgroups. Life expectancy tables are presented for census years, which are when the population data are available. The mortality experience for the census year and for the year before and the year after is used to smooth statistical variation. ! The

same two sets of data, population and mortality, are used to prepare average yearly age-sex-specific death rates for the three years (Table 15). Finally, the mortality data are separated into cause groups, and used to calculate average yearly age-sex-race adjusted death rates (Table 16). Adjustment allows comparisons between rates to be made over time or between geographic areas by eliminating the effects of differences in the composition of the populations. ! A change in the data used for the 1980 and 1990 calculations is noted in Tables 15 and 16 by a line separating these rates from those for earlier years. The calculations for 1980 and 1990 used information on all deaths occurring to New York City residents regardless of place of occurrence (obtained from the New York State Department of Health), whereas previous computations used all deaths occurring in New York City regardless of residence of the decedent. The new data were also used to compute 1980 life expectancy tables to facilitate comparisons with 1990 figures. ! Life expectancy tables for Hispanics were not calculated because of under-reporting of Hispanic ancestry on death certificates; technical changes in the death certificate were made in 1993 to correct this problem.

RACE, ANCESTRY AND ETHNICITY - Race and Ancestry are separate items on the certificates, reported usually by a parent on the birth certificate, and by a relative of the decedent or by the funeral director on the death certificate. Responses are coded in general conformance to rules of NCHS. ! In 1992, five additional codes for Asian and Pacific Islander races were added, following their introduction by NCHS: Asian Indian, Guamanian, Korean, Samoan and Vietnamese. Codes previously used include Chinese, Filipino, Hawaiian, Japanese and other. ! A new method of assigning Asian ethnicity was introduced in 1993, using Asian race rather than Asian ancestry as was done in the past. The ordered selection rules first assign Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other ancestries are classified by race as Asian, other white, other black, other or unknown. This change is made to take advantage of the expanded Asian race categories introduced in 1992. ! 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. ! Table 7, Deaths by Ancestry and Borough of Residence and Table 21, Live Births by Ancestry and Borough of Residence, present data for ancestry groups having 500 or more births or deaths; groups are not deleted from the tables if their numbers decline. Ancestry is defined by NCHS as the nationality, lineage, or country where the subject's ancestors were born before their arrival in the United States; if a religious group is reported, NCHS instructions are to ask for the country of origin or nationality. In New York City, enough certificates with ancestry reported as Jewish or Hebrew are received to warrant inclusion in these tables, notwithstanding the religious meaning of the terms.

CAUSE OF DEATH - Cause of death information presented is the underlying cause of death on each certificate, selected using rules issued by NCHS and

codes of the International Classification of Diseases, Ninth Revision, implemented in 1979. Earlier revisions and the year their codes were implemented are the Fifth, 1939; Sixth, 1949; Seventh, 1959; and Eighth, 1969. Long term trends in causes of death should be interpreted with caution because of possible change in causes and groupings with each revision. Changes are occasionally made to terms used to describe causes of death, and rarely changes are made in the defining ICD codes. ! Beginning in 1996, Alzheimer's disease and deaths due to firearms are shown separately, following NCHS practice.

HIV and AIDS Mortality - Beginning in 1997, the mortality data presented in most tables of this Vital Statistics Summary were expanded to include all deaths due to HIV infection (042-044), not only AIDS (042). From 1983 through 1986, AIDS and other HIV deaths were assigned code 279.1. In 1987, NCHS introduced code 042 for AIDS and 043-044 for other deaths due to HIV, and they have been reported this way in Table 3 since then. The number of other HIV deaths by year is shown below.

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

! Beginning in 1997, Tables 4 and 4a, 5, 12, 13 and 17, and Figure 6, show all deaths due to HIV infection. The historic data in Tables 12 and 17 and in Figure 6 have been expanded as well. Tables 3 and 16 display data for AIDS and other HIV infection deaths separately. ! The incidence data in Table 34 are provided by the New York City AIDS Surveillance Registry. Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State. **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 to Tables 3, 8 and 17; accidents except drug poisoning to Tables 4, 5 and A; and drug dependence and accidental drug poisoning to Tables 3, 4, 5 and A. ! Deaths due to accidental drug poisoning are those assigned to one of the following four ICD-9 codes: 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. ! The new category drug dependence and accidental drug poisoning is the most useful for analysis of trends.

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.

External Causes of Death - External causes of death include accident, suicide, homicide, legal intervention, injury undetermined whether accidentally or purposely inflicted and injury resulting from operations of war. Some homicides are considered justifiable and are reported as such by the New York City Police

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Department under the Uniform Crime Reporting System of the Federal Bureau of Investigation. Deaths due to legal intervention have been included in the homicide figures reported in the Vital Statistics Summary, and have been identified in the detailed homicide table. Deaths due to injury resulting from operations of war have also been included in the homicide total; these are infrequent, only one having been reported from 1984 through 1996, and are not specifically identified. ! All death certificates for external causes are reported by the Office of Chief Medical Examiner. Deaths for which a cause has not been determined by the time the statistical file is closed are shown separately in Table 3; some of these pending deaths will be determined to be due to natural causes. This number has declined since 1989. ! The introduction of the category injury undetermined in 1969 affected the number of deaths classified as accidents or suicides; any discussion of trends in these causes should take this change into account. The number of deaths classified as injury undetermined has declined since 1989, but they should be considered in analysis of deaths due to external causes. ! The classification of accident types in Tables 3 and 8 is based on categories developed by the National Safety Council, which emphasize the site of the accident. However, deaths due to firearms and to accidental drug poisoning are shown separately, regardless of site.

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

Infant Mortality - The infant mortality rate consists of the number of infant deaths in New York City in a specified year divided by the number of live births in the city in the same year; some infants in the numerator were born in the preceding year, and some in the denominator will die in the following year. The same definition applies to geographic subdivisions included in some tables. ! In this summary, all characteristics of infant deaths are drawn from the death certificate except in Table 32, which uses the ethnic group of the mother from the child's birth certificate. In Tables 29 and 30, maternal risk factors and birth weight are based on the birth certificates.

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 - In reporting Place of Death in Table 6, the term hospital includes residential units, hospices and other special facilities within the hospital. Nursing home includes only sites licensed as Extended Care Facilities by the State of New York. Home includes, in addition to private houses and apartments, group quarters for special populations, homes for adults and other long-term residential sites.

PLACE OF BIRTH - Reporting of home births in Tables 22 and 23 was corrected in 1996 to include events where the certificate was filed through a hospital. For 1995, the number of home births was 762, not 249 as previously reported.

MOTHER'S MARITAL STATUS - New York City is prohibited by local law from recording mother's marital status on the record or report of birth. For purposes of statistical analysis and reporting, it has been computed from other information on the birth certificate, by coders using an algorithm developed by NCHS and more recently, an algorithm adapted to EBC. In 1996, a review of the results led to the conclusion that the number of nonmarital births was being overestimated. A new method was implemented by an EBC change in 1997. ! The new method uses only the presence or absence of a father's name on the birth certificate and the filing of an acknowledgment of paternity to estimate marital status; a comparison of the surname of the parents was dropped. The new procedure is consistent with that used by New York State. ! More than 91,000 records of 1997 birth certificates were coded using both methods. The overall change in the proportion of unmarried mothers was a decline of 19.2 percent, from 53.2 percent to 43.0 percent. The decline was greater among older women, and varied by ethnic group and type of hospital of delivery as well. These differences contributed to a range of changes across health center districts. ! A complete discussion may be found in the Special Note on Mother's Marital Status in the 1997 Vital Statistics Summary. This characteristic of live births should be analyzed cautiously.

INDUCED TERMINATIONS OF PREGNANCY - Induced Terminations of Pregnancy generally require active surveillance and follow-up to insure complete reporting. As a result, some events from earlier years are included in each year's Vital Statistics Summary. In 1997, one facility was found to have failed to submit reports for over 11,000 1996 procedures. These

reports, and about 500 from several other facilities, were reported in revised tables for 1996 pregnancy outcomes in the 1997 Vital Statistics Summary. A discussion of the revised tables and the corrected data for all pregnancy outcomes can be found in the Technical Notes, 1997.

COMMUNITY DISTRICTS -- Community districts were established by City Charter in 1969 for the delivery of city services. Population figures for these districts are compiled by the Department of City Planning from census data. ! There are 59 community districts, referred to by their borough and sequence number, compared to 30 health center districts, which have neighborhood names. The number of districts in each system by borough is shown below.

<u>Borough</u>	<u>HCD</u>	<u>CD</u>
Manhattan	7	12
Bronx	6	12
Brooklyn	10	18
Queens	6	14
Staten Island	1	3

There is no translation from one system to the other. ! In establishing population figures for community districts, census totals for counties are kept as borough totals, while the district figures are compiled from census tract and census block data. Borough boundaries are not always followed, so the sum of the community district populations in each borough does not equal the borough population or the city-wide population. ! The numbers of births and deaths to Manhattan and Bronx residents differ between health center district tables and community district tables because the northernmost Manhattan neighborhood of Marble Hill is in Manhattan under the health center district organization and in the Bronx under the community district system. The population-based rates may change as well. For example, in 1998, 41 deaths were reassigned from Manhattan to the Bronx, as seen in Table 5 and Table A: the Manhattan death rate for all causes did not change from 7.5 per 1,000 population, but the rate for heart disease deaths changed from 271.8 per 100,000 population to 270.9. For 1998 births, 126 events were reassigned, as shown in Table 24 and Table B: the Bronx birth rate changed from 17.9 per 1,000 population to 18.0. ! The population of Riker's Island, site of New York City Department of Correction facilities, is in the Bronx for health center district purposes and in Queens in the community district system. The small number of vital events to residents have been assigned to Queens in both systems. ! A description of the construction of community district geography will be found in Department of City Planning, Demographic Profiles, DCP # 92-32-Revised, pp. 293-297.

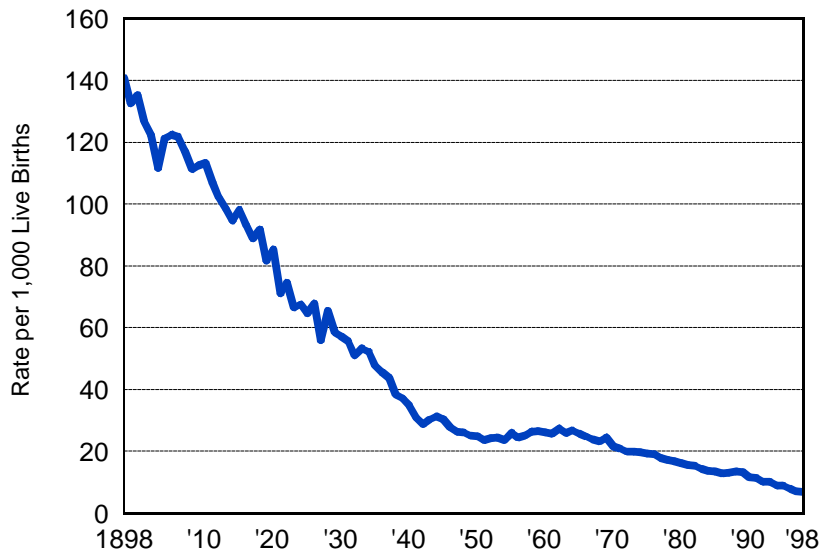


Figure 11. Infant Mortality Rate

New York City, 1898 to 1998

New York City took its present form in 1898, when New York City's boundaries were extended to include all five boroughs, Manhattan, Bronx, Brooklyn, Queens and Staten Island. The infant mortality rate at that time was estimated at 136.7 deaths under one year of age per 1,000 live births. (Because of incomplete reporting of early neonatal deaths, this is almost certainly an underestimate.) Improvements in food and water safety in the earlier part of the century, and in access to medical care advances in the later years, have contributed to the decline to 6.8 deaths per 1,000 live births.

Rates and Ratios Defined

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



HIGHLIGHTS, 1998

COMMUNITY DISTRICTS - A special section in this Summary, pages 32–35, contains a map of the 59 New York City community districts and two new tables, deaths and live births by community district of residence. Community districts were implemented in 1969 as the geographic units for organizing and delivering city services.

BIRTHS - The number of registered live births occurring in New York City increased one percent, from 123,313 to 124,252. This is the first increase in the number of live births since 1990. The number and percentage of births to teenagers continued to decline, with the number for young teens aged 15-17 falling six percent, and the number for teens aged 18-19 years increasing four percent. Nationally, the birth rate for teenagers has declined from 1991 to 1998. The number of births for women aged 40 and over was the highest since 1975. This also follows a national trend.

DEATHS - The total number of deaths occurring in New York City in 1998 reached a record low, two percent below the number for 1997: a decline of 1,496 from 62,506 to 61,010. The decline in New York City homicide deaths continues, dropping from 793 in 1997 to 675 in 1998, a decline of 15%, to the lowest number of homicide deaths since 1975. For the first time since 1975, homicide is not among the 10 leading causes of death. Three-quarters of the decline is in homicides by firearms. Since 1994, the number of HIV deaths has declined 72%, with a 25% drop between 1997 and 1998. A similar decline is occurring nationwide. The number of infant deaths and the infant mortality rate (deaths under one year of age per 1,000 live births)

both continued to decline, reaching 843 deaths and a rate of 6.8, the lowest level in New York City's history.

HIV - Reporting of deaths due to Human Immunodeficiency Virus (HIV) infection in most tables now includes all deaths due to HIV, and not only AIDS. In 1998, the expanded category was the fifth leading cause, with 1,978 deaths: AIDS alone had 1,932 deaths.

MARRIAGE LICENSES - The number of marriage licenses issued in New York City by the city clerk decreased 25% from 1997 to 1998, from 80,027 to 53,661. This follows an increase of more than 10% from 1995 to 1996 and 1997, due perhaps to anticipated changes in federal immigration and welfare legislation.

1997 CHANGES - Beginning in 1997, the reporting of deaths due to Human Immunodeficiency Virus (HIV) infection included all deaths due to HIV, and not only AIDS. A revision of the method of computing the marital status of women delivering infants, to correct an overestimation of nonmarital births, resulted in a decline of about 19% in the proportion of infants born to unmarried women. Discussion of these changes appears in the 1997 Technical Notes and Special Note on Mother's Marital Status. The Vital Statistics Summary, 1997 also contained revised tables for 1996 Induced Terminations of Pregnancy, and introduced new tables on Chief Causes of Death in Specified Ethnic Groups, and an improved map of health center districts.

DEPARTMENT OF HEALTH Office of Vital Statistics

Rudolph W. Giuliani, Mayor
Neal L. Cohen, M.D., Commissioner of Health

<http://www.ci.nyc.ny.us/health>

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