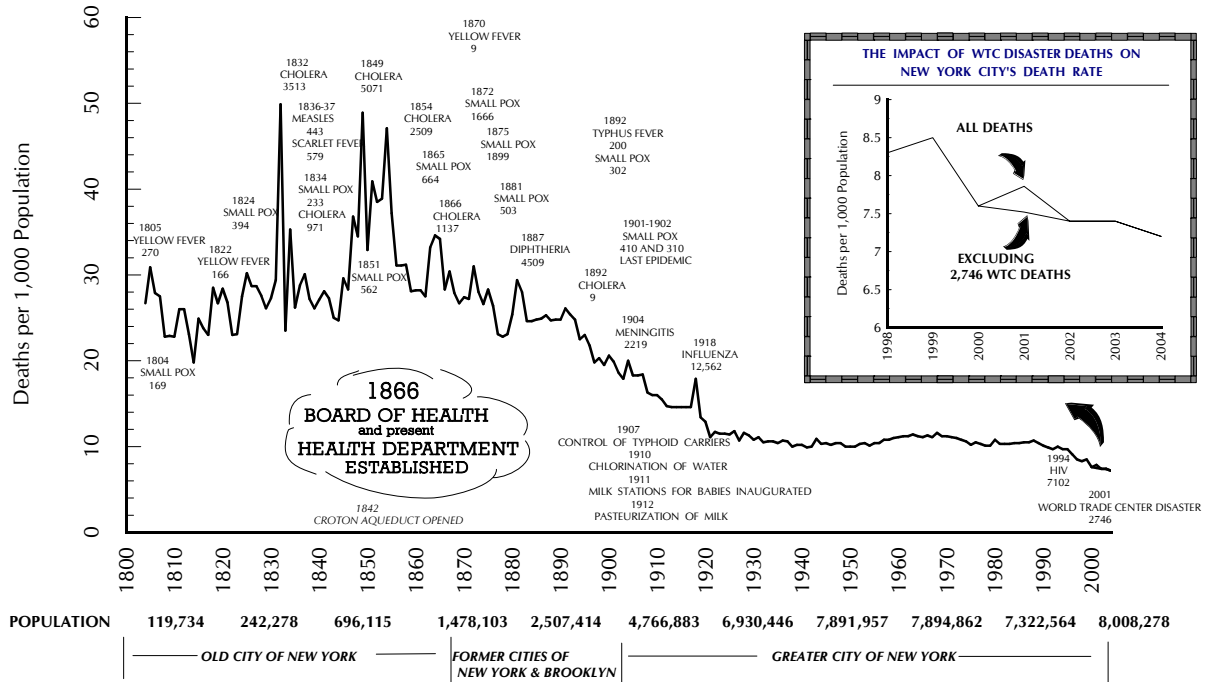


SUMMARY OF VITAL STATISTICS 2004

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 and Mental Hygiene.



Michael R. Bloomberg, Mayor

Thomas R. Frieden, M.D., M.P.H. Commissioner

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SUMMARY OF VITAL STATISTICS 2004 THE CITY OF NEW YORK

Bureau of Vital Statistics
New York City Department of Health and Mental Hygiene

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DECEMBER 2005

This report was prepared by the Statistical Analysis and Reporting Unit of the Bureau of Vital Statistics: Wenhui Li, PhD, Joseph Kennedy, and Darlene Kelley. The data are derived from vital event certificates filed with and processed by the staff of the Offices of Vital Records and Vital Statistics. Bureau of Maternal, Infant and Reproductive Health provided the information about "Perinatal Periods of Risk" in the Special Section of this report. HIV Surveillance and Epidemiology Program provided data for Table 48 and text for Figure 14. Bureaus of Communicable Disease, Immunization, and Tuberculosis Control provided data for Table 47.

This publication is available at www.nyc.gov/health.

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Introduction: Summary of Vital Statistics 2004

The Annual Summary provides an overview of all 2004 vital events (births, deaths, and spontaneous and induced terminations of pregnancy) in New York City. These data are derived from vital event certificates filed with the Office of Vital Records. Vital Records is responsible for registering, archiving, amending, and issuing certified copies of all vital records in New York City.

The Office of Vital Statistics presents demographic data on the NYC population, natural and external causes of death, life expectancy and years of potential life lost due to specific causes of death. Births are characterized by a number of variables including mother's age, ethnicity, ancestry, prenatal care, marital status and parity and newborn's sex, birth order, weight, plurality and Apgar score. Special attention is given to teenage births and infant mortality. Also included are frequencies of marriages, baby names, and incidence of selected reportable diseases and AIDS. A special section on Perinatal Periods of Risk (PPOR) is presented in collaboration with the Bureau of Maternal, Infant and Reproductive Health.

This report presents data on all vital events in NYC. They may occur to both residents and non-residents. Most tables that include a geographic breakdown for residents show non-resident and residents-unknown data separately. Where there is no geographic breakdown, all NYC occurrences are included. NYC population data used to estimate rates and proportions is provided by the New York City Department of City Planning (DCP) and based on the U.S. Census enumeration as of April 1, 2000 using the 2002 modified race file (Census 2000 Modified Race Data – See Technical Notes). Population geographic breakdowns included are the five boroughs of NYC, 30 Health Center Districts (HCD) and 59 Community Districts (CD).

Cause of death information, a major component of the Annual Summary, is the underlying cause of death on each certificate, selected using rules issued by National Center for Health Statistics (NCHS) and codes of International Classification of Diseases, Tenth Revision (ICD-10). ICD-10 was implemented January 1, 1999 and has been used to code cause of death in the Annual Summary since then.

Additional detail on methodologies used for this report may be found in the Technical Notes at the end of this report.

If you have used previous reports, you will find that table numbers have been maintained providing the ability to assess changes and trends in the data. However, figure numbers have changed as many are new and supplement the data table presentations.

For Annual Summaries back to 1995, see our web site at: <http://www.nyc.gov/html/doh/html/vs/vs.shtml>.

Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-2004

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	7,388,000	138,148	18.7	69,314	9.4	72,421	9.8	1,575	11.4
1992	7,455,000	136,002	18.2	71,947	9.7	71,001	9.5	1,390	10.2
1993	7,522,000	133,583	17.8	72,490	9.6	73,408	9.8	1,366	10.2
1994	7,590,000	133,662	17.6	70,438	9.3	71,038	9.4	1,207	9.0
1995	7,658,000	131,009	17.1	71,507	9.3	70,769	9.2	1,155	8.8
1996	7,727,000	126,901	16.4	79,361	10.3	66,784	8.6	992	7.8
1997	7,796,000	123,313	15.8	80,027	10.3	62,506	8.0	881	7.1
1998	7,866,000	124,252	15.8	53,661	6.8	61,010	7.8	843	6.8
1999	7,937,000	123,739	15.6	55,075	6.9	62,470	7.9	848	6.9
2000	8,008,278	125,563	15.7	58,291	7.3	60,839	7.6	839	6.7
2001	8,008,278	124,023	15.5	72,587	9.1	62,964	7.9	760	6.1
2001	8,008,278	Excluding World Trade Center disaster deaths				60,218	7.5		
2002	8,008,278	122,937	15.4	65,490	8.2	59,651	7.4	742	6.0
2003	8,008,278	124,345	15.5	61,101	7.6	59,213	7.4	807	6.5
2004	8,008,278	124,099	15.5	62,057	7.7	57,466	7.2	760	6.1

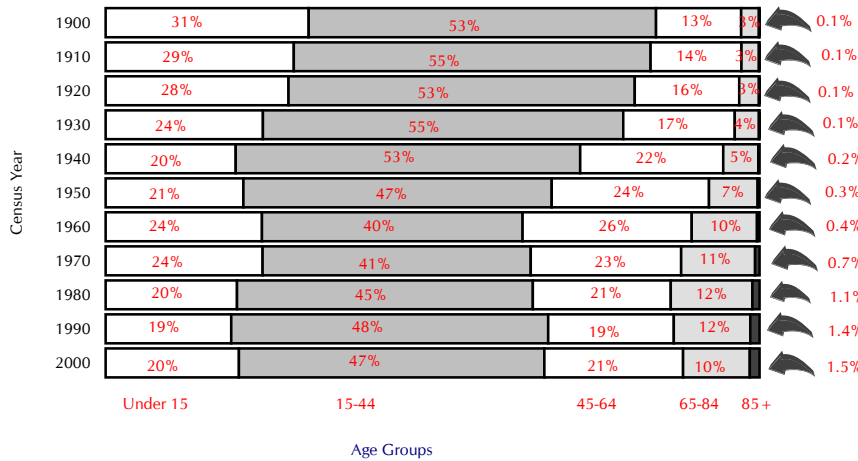
* Figures prior to 1956 are averages across the years presented; single year figures prior to 1956 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated. Intercensal population counts are interpolated; the interpolation from 1990 to 2000 uses an exponential formula. 2001-2004 use 2000 U.S. census population data. See Technical Notes: Population.

Table 2.

Population by Age, Mutually Exclusive Race and Hispanic Origin, and Sex, New York City, 2000*

Age in Years	All			Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other and Multiple Race	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All Ages	8,008,278	3,794,204	4,214,074	1,040,714	1,119,840	1,384,891	1,502,111	904,816	1,121,403	413,047	414,616	50,736	56,104
Under 5	540,878	276,635	264,243	95,028	90,573	72,985	68,047	76,410	74,654	26,725	25,581	5,487	5,388
5-9	561,115	286,155	274,960	99,841	96,898	67,588	63,971	87,009	84,481	26,586	24,838	5,131	4,772
10-14	530,816	270,582	260,234	89,896	87,438	66,604	62,278	84,318	83,045	25,489	23,213	4,275	4,260
15-19	520,641	265,285	255,356	90,054	84,147	67,382	64,290	77,513	78,428	26,464	24,558	3,872	3,933
20-24	589,831	285,353	304,478	96,127	93,644	87,961	94,620	65,333	77,463	32,007	34,210	3,925	4,541
25-29	680,659	326,702	353,957	95,571	97,089	122,701	125,458	62,984	81,905	41,252	44,569	4,194	4,936
30-34	687,362	335,119	352,243	94,088	97,065	126,622	118,382	69,053	90,255	41,044	41,712	4,312	4,829
35-39	660,901	322,637	338,264	86,337	93,124	116,770	105,830	74,466	95,971	40,682	38,615	4,382	4,724
40-44	602,379	289,976	312,403	71,434	80,800	107,852	104,259	68,410	87,851	38,453	35,481	3,827	4,012
45-49	531,118	250,093	281,025	57,413	68,753	101,196	103,681	56,832	74,803	31,479	30,362	3,173	3,426
50-54	481,267	220,318	260,949	48,018	59,416	96,701	106,023	47,999	66,775	25,164	25,857	2,436	2,878
55-59	369,105	165,458	203,647	36,296	45,401	73,219	82,917	37,823	55,828	16,452	17,348	1,668	2,153
60-64	314,349	139,938	174,411	29,447	37,816	63,718	73,686	31,355	46,423	14,066	14,694	1,352	1,792
65-69	259,167	112,153	147,014	20,654	29,878	56,596	67,870	23,357	36,272	10,594	11,762	952	1,232
70-74	235,627	95,920	139,707	14,091	23,371	55,977	74,744	17,835	31,454	7,265	8,988	752	1,150
75-79	193,221	73,139	120,082	8,604	16,386	46,324	71,723	12,702	24,846	5,007	6,181	502	946
80-84	128,139	44,146	83,993	4,588	9,805	29,946	53,911	6,770	16,043	2,561	3,657	281	577
85 & Over	121,703	34,595	87,108	3,227	8,236	24,749	60,421	4,647	14,906	1,757	2,990	215	555

* These population figures have been used since the 2002 Summary of Vital Statistics, and are based on the US Census Bureau's modification of its 2000 data correcting the reporting on race items. The major effects are a reduction of 65% in the total for Other and Multiple Race and increases of 3%, 3%, and 6% for Non-Hispanic White, Non-Hispanic Black, and Asian and Pacific Islander, respectively. There were no modifications for age and sex. See Technical Notes: Population.



**Figure 1. Age Composition of the Population
New York City, 1900-2000**

The changing age composition of the City reflects changes in life expectancy as well as natural historic trends. The effect of the economic depression of the 1930s 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. From 1900 to 2000, the proportion of residents age 45 and over doubled, from 16% to 32%, with the greatest increase among those 85 and over. From 1990 to 2000, the proportion of residents age 65 to 84 declined 4%, while the proportion 85 and over increased 19%. Over this ten-year period, the median age of city residents increased from 33.7 to 34.2 years.

**Figure 2. Age-Sex Composition of the Population
New York City, 2000**

This age-sex pyramid shows each age-sex group as a percent of the total population. There are more females than males overall, 53% to 47%, and more females than males in every age group over 19. The difference is the greatest among those 85 and over, where there are two and one-half times as many women as men. The smaller segment of both males and females in age group 10-14 and 15-19 reflect the lower number of births in the 1980s, compared to births in the first half of the 1990s.

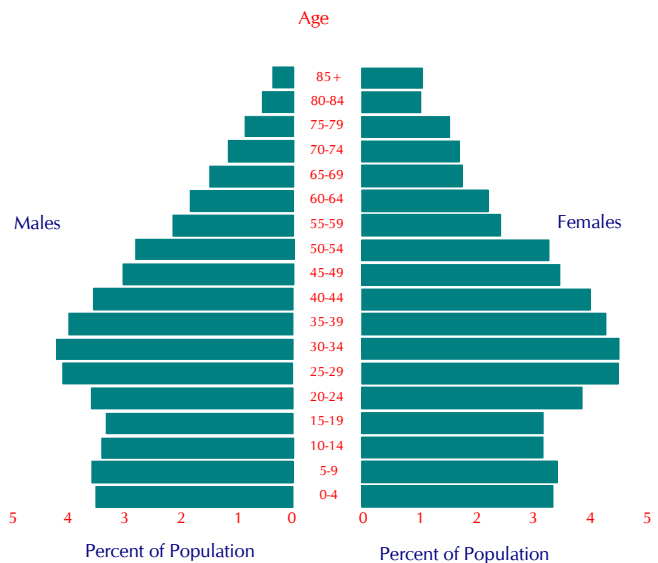


Table 3.

Deaths and Death Rates per 1,000 Population by Age, Ethnic Group *, and Sex, New York City, 2004

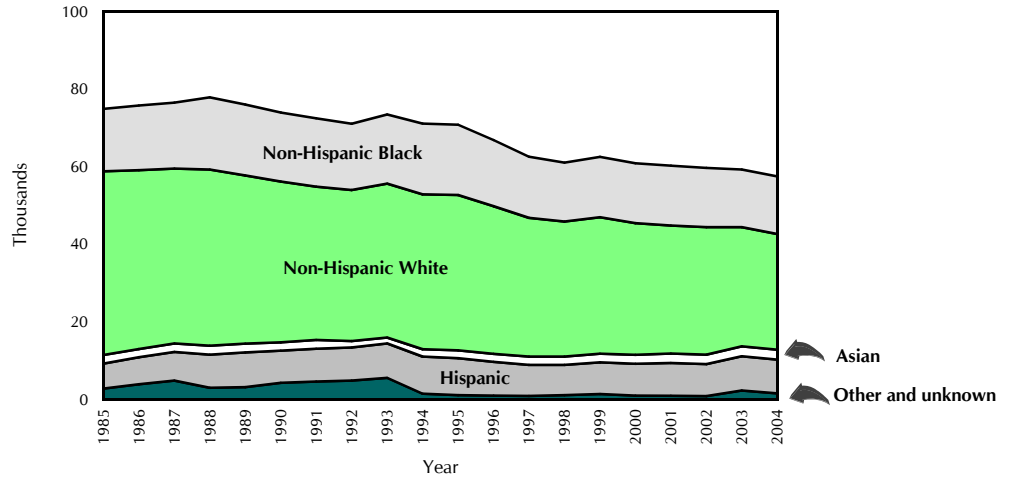
Age in Years	All						Hispanic				Non-Hispanic White				Non-Hispanic Black				Asian and Pacific Islander				Other/Multiple Race/Unknown			
	Total		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Ages	57,466	7.2	27,622	7.3	29,844	7.1	4,534	4.4	4,178	3.7	13,913	10.0	15,857	10.6	6,993	7.7	7,866	7.0	1,419	3.4	1,156	2.8	763	-	787	-
Age Adjusted		7.6		9.5		6.3		9.5		6.0		8.6		5.7		11.9		7.8		6.7		4.6		-		-
Under 5	859	1.6	468	1.7	391	1.5	115	1.2	82	0.9	112	1.5	88	1.3	192	2.5	176	2.4	34	1.3	24	0.9	15	-	21	-
5-9	75	0.1	39	0.1	36	0.1	5	0.1	7	0.1	13	0.2	14	0.2	15	0.2	13	0.2	3	0.1	-	-	3	-	2	-
10-14	91	0.2	49	0.2	42	0.2	14	0.2	10	0.1	15	0.2	11	0.2	16	0.2	17	0.2	2	0.1	2	0.1	2	-	2	-
15-19	242	0.5	167	0.6	75	0.3	43	0.5	24	0.3	38	0.6	20	0.3	77	1.0	20	0.3	8	0.3	5	0.2	1	-	6	-
20-24	427	0.7	325	1.1	102	0.3	102	1.1	19	0.2	77	0.9	37	0.4	131	2.0	31	0.4	9	0.3	10	0.3	6	-	5	-
25-29	431	0.6	295	0.9	136	0.4	74	0.8	42	0.4	75	0.6	28	0.2	121	1.9	52	0.6	19	0.5	5	0.1	6	-	9	-
30-34	569	0.8	363	1.1	206	0.6	96	1.0	48	0.5	109	0.9	56	0.5	130	1.9	87	1.0	18	0.4	12	0.3	10	-	3	-
35-39	994	1.5	615	1.9	379	1.1	157	1.8	95	1.0	192	1.6	95	0.9	224	3.0	164	1.7	25	0.6	16	0.4	17	-	9	-
40-44	1,550	2.6	913	3.1	637	2.0	245	3.4	148	1.8	295	2.7	154	1.5	314	4.6	288	3.3	40	1.0	27	0.8	19	-	20	-
45-49	2,220	4.2	1,365	5.5	855	3.0	310	5.4	186	2.7	430	4.2	243	2.3	496	8.7	365	4.9	80	2.5	46	1.5	49	-	15	-
50-54	2,877	6.0	1,758	8.0	1,119	4.3	428	8.9	216	3.6	563	5.8	401	3.8	615	12.8	431	6.5	93	3.7	46	1.8	59	-	25	-
55-59	3,382	9.2	2,066	12.1	1,376	6.8	394	10.9	263	5.8	821	11.2	556	6.7	643	17.0	468	8.4	100	6.1	55	3.2	48	-	34	-
60-64	3,642	11.6	2,093	15.0	1,549	8.9	403	13.7	273	7.2	889	14.0	597	8.1	637	20.3	579	12.5	94	6.7	65	4.4	70	-	35	-
65-69	4,239	16.4	2,365	21.1	1,874	12.7	426	20.6	341	11.4	1,040	18.4	742	10.9	702	30.1	642	17.7	134	12.6	98	8.3	63	-	51	-
70-74	5,288	22.4	2,783	29.0	2,505	17.9	452	32.1	440	18.8	1,407	25.1	1,167	15.6	672	37.7	705	22.4	167	23.0	107	11.9	85	-	86	-
75-79	6,981	36.1	3,465	47.4	3,516	29.3	459	53.3	504	30.8	1,991	43.0	1,840	25.7	742	58.4	917	36.9	181	36.1	144	23.3	92	-	111	-
80-84	8,068	63.0	3,608	81.7	4,460	53.1	372	81.1	495	50.5	2,336	78.0	2,648	49.1	638	94.2	1,060	66.1	183	71.5	146	39.9	79	-	111	-
85 & Over	15,529	127.6	4,943	142.9	10,586	121.5	439	136.0	985	119.6	3,510	141.8	7,160	118.5	627	134.9	1,851	124.2	229	130.3	348	116.4	138	-	242	-
Unknown	2	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-
Mean Age	71.2		67.3		74.9		60.7		69.1		72.7		79.5		61.0		69.4		66.7		72.0		66.8		72.7	
Median Age	76		71		80		63		73		77		83		64		74		71		77		70		78	

* Multiple race categories were introduced in January 2003 when New York City implemented a new death certificate form. Beginning in 2003, multiple races are included in "Other/Mutiple Race/Unknown" category.

See Technical Notes: Multiple Race.

**Figure 3. Deaths by Ethnic Group* of Decedents
New York City, 1985-2004**

Between 1985 and 2004, the overall number of deaths decreased 23%, from 74,852 to 57,466 (a 26% decline from the 1988 peak in this period). Non-Hispanic white deaths account for most of the overall deaths; they decreased 37%. Deaths among non-Hispanic blacks decreased slightly, about 8%. However, deaths among Hispanics and Asians increased about 36% and 15% respectively. Note that WTC deaths are not included in this graph for the year 2001.



*Multiple race categories were introduced in January 2003 when New York City implemented a new death certificate form. Beginning in 2003, multiple races are included in "other and unknown" category. See Technical Notes: Multiple Race.

Table 4.

**Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio
New York City, 2004**

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown	Male	Female	
Total Deaths	57,466	10,337	9,236	16,913	13,404	3,462	3,739	375	27,622	29,844	
Natural Causes	55,018	9,938	8,824	16,194	12,878	3,357	3,530	297	25,860	29,158	
1.# Tuberculosis (A16-A19)	31	12	4	8	5	2	–	–	14	17	0.88
Respiratory tuberculosis (A16)	26	10	3	7	5	1	–	–	10	16	0.94
2.# Septicemia (A40-A41)	414	80	77	152	67	8	27	3	182	232	1.19
3.# Viral hepatitis (B15-B19)	376	87	82	98	57	10	39	3	233	143	0.71
4.# Human immunodeficiency virus (HIV) disease (B20-B24)	1,451	325	454	444	129	34	38	27	943	508	1.08
5. All other infective and parasitic diseases (Rest of A01-B99)	153	32	27	46	29	4	15	–	70	83	
6.# Malignant neoplasms (C00-C97)	13,611	2,526	1,964	3,597	3,086	852	1,538	48	6,653	6,958	1.01
Lip, oral cavity and pharynx (C00-C14)	242	49	45	66	43	15	22	2	161	81	0.96
Esophagus (C15)	299	62	42	69	69	21	33	3	208	91	0.99
Stomach (C16)	539	76	87	163	140	28	42	3	277	262	1.01
Colon, rectum and anus (C18-C21)	1,495	257	242	441	333	99	118	5	727	768	1.00
Liver and intrahepatic bile ducts (C22)	587	114	92	160	125	31	59	6	386	201	0.96
Pancreas (C25)	906	177	109	230	224	52	113	1	419	487	1.00
Larynx (C32)	134	25	30	39	23	5	12	–	117	17	1.01
Trachea, bronchus and lung (C33-C34)	3,058	564	427	799	705	246	305	12	1,727	1,331	0.98
Melanoma of skin (C43)	132	26	10	24	36	5	31	–	70	62	0.95
Mesothelioma (C45)	33	8	3	9	8	1	4	–	27	6	
Breast (C50)	1,266	230	183	350	301	85	113	4	5	1,261	1.01
Cervix uteri (C53)	135	28	28	44	21	5	9	–	–	135	1.00
Corpus uteri and uterus, part unspecified (C54-C55)	260	54	35	73	53	17	26	2	–	260	1.02
Ovary (C56)	385	73	44	100	92	26	49	1	–	385	0.99
Prostate (C61)	749	155	122	214	165	39	52	2	749	–	1.01
Kidney and renal pelvis (C64-C65)	255	37	24	69	72	15	37	1	152	103	1.00
Bladder (C67)	316	62	48	76	74	21	33	2	203	113	1.00
Meninges, brain and other parts of central nervous system (C70-C72)	246	45	31	55	58	15	42	–	128	118	0.98
Lymphoid, hematopoietic and related tissues (C81-C96)	1,391	248	189	315	276	78	282	3	719	672	1.00
Hodgkin's disease (C81)	36	5	6	11	4	–	10	–	19	17	1.00
Non-Hodgkin's lymphoma (C82-C85)	516	102	68	115	111	35	85	–	267	249	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	249	47	38	65	49	17	33	–	111	138	1.04
Leukemia (C91-C95)	589	94	77	123	112	26	154	3	322	267	1.01
7.# In situ or benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	252	48	34	52	71	12	35	–	123	129	1.63
8.# Anemias (D50-D64)	85	10	19	33	16	1	6	–	28	57	0.94
9.# Diabetes mellitus (E10-E14)	1,734	279	370	565	356	102	53	9	811	923	1.02
10.## Mental and behavioral disorders due to use of alcohol (F10)	275	63	42	76	61	5	9	19	225	50	
11. Mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19)	822	149	193	225	115	42	63	35	608	214	
## Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19, X40-X42, X44)	855	156	199	234	119	42	69	36	628	227	
12. Diseases of nervous system (G00-G98)	658	215	110	144	137	24	26	2	280	378	
# Meningitis (G00,G03)	35	5	6	12	9	–	2	1	17	18	1.01
# Parkinson's disease (G20-G21)	105	39	13	26	21	6	–	–	68	37	1.01
# Alzheimer's disease (G30)	242	105	39	31	51	8	7	1	67	175	1.58
13. Major cardiovascular diseases (I00-I78)	25,687	4,127	3,844	7,952	6,853	1,628	1,179	104	11,332	14,355	1.00
# Diseases of heart (I00-I09, I11,I13, I20-I51)	22,632	3,431	3,313	7,117	6,206	1,492	977	96	9,978	12,654	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	39	14	7	7	4	1	6	–	12	27	0.88
Hypertensive heart disease (I11)	1,459	258	307	488	323	30	42	11	651	808	0.80
Hypertensive heart and renal disease (I13)	106	25	17	34	23	2	4	1	53	53	1.13

Continued on next page.

Table 4.

**Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio
New York City, 2004 (Continued)**

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown	Male	Female	
Chronic ischemic heart disease (I20, I25)	15,730	2,176	2,106	4,965	4,761	1,008	644	70	6,975	8,755	1.01
Acute myocardial infarction (I21-I22)	3,680	598	628	1,150	773	358	163	10	1,593	2,087	0.99
Cardiomyopathy (I42)	187	37	25	45	51	8	20	1	109	78	
Heart failure (I50)	623	126	100	216	124	37	20	–	234	389	1.04
# Essential hypertension and hypertensive renal disease (I10, I12)	723	179	130	208	139	40	27	–	298	425	1.12
# Cerebrovascular diseases (I60-I69)	1,794	409	317	489	382	79	114	4	786	1,008	1.05
# Atherosclerosis (I70)	161	27	18	36	67	1	11	1	61	100	0.97
# Aortic aneurysm and dissection (I71)	234	45	34	59	45	14	34	3	147	87	1.00
14.# Influenza and pneumonia (J10-J18)	3,003	713	416	894	565	279	120	16	1,358	1,645	0.70
15.# Chronic lower respiratory diseases (J40-J47)	1,670	348	312	431	370	148	56	5	730	940	1.04
Emphysema (J43)	132	30	11	27	37	19	6	2	68	64	0.96
Asthma (J45-J46)	180	38	58	51	23	5	4	1	59	121	0.89
16. Pneumoconiosis due to asbestos and other mineral fibres (J61)	3	1	–	1	–	1	–	–	3	–	
17.# Pneumonitis due to solids and liquids (J69)	66	20	18	11	8	5	3	1	38	28	1.10
18.# Peptic ulcer (K25-K28)	140	34	15	45	32	5	7	2	64	76	0.97
19.# Chronic liver disease and cirrhosis (K70, K73-K74)	500	81	117	129	112	26	27	8	351	149	1.03
Alcoholic liver disease (K70)	327	48	73	85	80	19	14	8	247	80	1.00
20.# Cholelithiasis and other disorders of gallbladder (K80-K82)	67	17	13	20	14	1	2	–	26	41	0.96
21.# Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	592	115	106	219	99	23	29	1	285	307	1.26
Renal failure (N17-N19)	582	115	102	217	96	23	28	1	278	304	1.33
22.# Pregnancy, childbirth and the puerperium (O00-O99)	29	4	4	13	7	–	1	–	–	29	1.14
Maternal causes* (A34, O00-O95, O98-O99)	28	4	4	13	7	–	–	–	–	28	
Certain conditions originating in the perinatal period (P00-P96)	428	49	87	151	89	18	34	–	235	193	1.08
24.# Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	276	28	49	91	51	9	46	2	147	129	0.90
25. Symptoms, signs and abnormal findings, not elsewhere classified (R00-R94, R96-R99)	218	61	34	45	64	2	10	2	107	111	0.98
Pending final determination (R99)	3	1	–	1	1	–	–	–	3	–	
26. Sudden infant death syndrome (R95)	11	3	3	3	2	–	–	–	4	7	1.06
27. All other natural causes (Rest of A00-R99)	2,466	511	430	749	483	116	167	10	1,010	1,456	
External Causes	2,448	399	412	719	526	105	209	78	1,762	686	
Injury by firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	442	44	91	174	81	11	35	6	414	28	1.00
28.## Accidents (V01-X59, Y85-Y86)	1,078	163	180	291	251	60	111	22	712	366	1.03
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44)	33	7	6	9	4	–	6	1	20	13	1.04
Motor vehicle accidents**	349	37	58	101	62	24	57	10	257	92	0.95
Accidental falls (W00-W19)	429	78	76	106	123	17	26	3	252	177	0.77
29.# Intentional self-harm (suicide) (X60-X84, Y87.0)	493	132	57	112	123	21	40	8	371	122	1.00
30.# Assault (homicide) (X85-Y09, Y87.1)	598	67	131	226	105	9	39	21	500	98	1.00
31.# Legal Intervention (Y35, Y89.0)	10	1	3	2	–	–	3	1	10	–	0.94
32. Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	234	29	36	81	38	13	11	26	154	80	0.99
33.# Complications of medical and surgical care (Y40-Y84, Y88)	35	7	5	7	9	2	5	–	15	20	0.63

Note: Beginning January 1, 1999 all causes were coded using ICD-10. The comparability ratio represents the net effects of changing from ICD-9 to ICD-10 for the selected cause or group of causes. NCHS has finalized comparability ratios based on all death certificates in 1996. The comparability ratios in bold are the ones changed from preliminary ratios or added in final version. See Technical Notes: Comparability Ratio.

* Maternal deaths exclude deaths occurring more than 42 days after the termination of pregnancy, and includes obstetrical tetanus. See Technical Notes: Maternal Death and Maternal Mortality.

**Motor vehicle accident codes include V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

Eligible to be ranked as leading causes nationally and in New York City. Several causes were added to this list in 2000 and 2003; they are of relatively low frequency in New York City and do not affect rankings of leading causes in 1999-2004.

Three cause groups are treated differently in New York City than they are nationally; mental and behavioral disorders due to use of alcohol, and mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco are eligible to be ranked as leading causes in New York City because of the number of deaths and their public health importance. Accidental deaths are ranked without those due to poisoning by psychoactive substances excluding alcohol and tobacco.

**Table 5. Leading Causes of Death in Specified Age Groups by Sex
New York City, 2004**

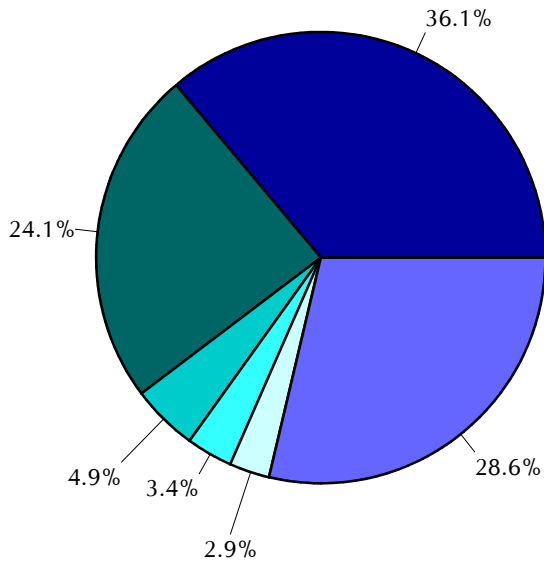
Rank	ALL AGES	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	9,978	36.1	12,654	42.4	22,632	39.4
2	Malignant Neoplasms	6,653	24.1	6,958	23.3	13,611	23.7
3	Influenza and Pneumonia	1,358	4.9	1,645	5.5	3,003	5.2
4	Cerebrovascular Diseases	786	2.8	1,008	3.4	1,794	3.1
5	Diabetes Mellitus	811	2.9	923	3.1	1,734	3.0
6	Chronic Lower Respiratory Diseases	730	2.6	940	3.1	1,670	2.9
7	Human Immunodeficiency Virus (HIV) Disease	943	3.4	508	1.7	1,451	2.5
8	Accidents Except Poisoning by Psychoactive Substance	692	2.5	353	1.2	1,045	1.8
9	Use of or Poisoning by Psychoactive Substance	628	2.3	227	0.8	855	1.5
10	Essential Hypertension and Renal Diseases	298	1.1	425	1.4	723	1.3
	All Other Causes	4,745	17.2	4,203	14.1	8,948	15.6
	Total	27,622	100.0	29,844	100.0	57,466	100.0
Rank	UNDER 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	80	19.3	74	21.4	154	20.3
2	Short Gestation and Low Birth Weight	60	14.5	47	13.6	107	14.1
3	Cardiovascular Disorders Originating in the Perinatal Period	59	14.3	45	13.0	104	13.7
4	External Causes	37	8.9	24	6.9	61	8.0
5	Respiratory Distress of Newborn	27	6.5	25	7.2	52	6.8
6	Necrotizing Enterocolitis of Newborn	7	1.7	13	3.8	20	2.6
7	Pulmonary Hemorrhage Originating in the Perinatal Period	11	2.7	6	1.7	17	2.2
7	Newborn Affected by Complications of Pregnancy	11	2.7	6	1.7	17	2.2
9	Other Respiratory Conditions in Perinatal Period	7	1.7	9	2.6	16	2.1
9	Newborn Affected by Complications of Placenta	10	2.4	6	1.7	16	2.1
	All Other Causes	105	25.4	91	26.3	196	25.8
	Total	414	100.0	346	100.0	760	100.0
Rank	1 TO 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Accidents Except Poisoning by Psychoactive Substance	31	21.8	16	13.0	47	17.7
2	Malignant Neoplasms	27	19.0	19	15.4	46	17.4
3	Congenital Malformations, Deformations	19	13.4	11	8.9	30	11.3
4	Diseases of Heart	3	2.1	10	8.1	13	4.9
5	Assault (Homicide)	5	3.5	7	5.7	12	4.5
6	Influenza and Pneumonia	4	2.8	5	4.1	9	3.4
7	Chronic Lower Respiratory Diseases	5	3.5	3	2.4	8	3.0
7	In Situ, Benign and Uncertain Neoplasms	6	4.2	2	1.6	8	3.0
9	Anemias	3	2.1	3	2.4	6	2.3
9	Human Immunodeficiency Virus (HIV) Disease	4	2.8	2	1.6	6	2.3
	All Other Causes	35	24.6	45	36.6	80	30.2
	Total	142	100.0	123	100.0	265	100.0
Rank	15 TO 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	182	37.0	14	7.9	196	29.3
2	Intentional Self-harm (Suicide)	61	12.4	16	9.0	77	11.5
3	Accidents Except Poisoning by Psychoactive Substance	63	12.8	13	7.3	76	11.4
4	Malignant Neoplasms	43	8.7	31	17.5	74	11.1
5	Use of or Poisoning by Psychoactive Substance	35	7.1	14	7.9	49	7.3
6	Diseases of Heart	8	1.6	13	7.3	21	3.1
7	Congenital Malformations, Deformations	14	2.8	6	3.4	20	3.0
8	Human Immunodeficiency Virus (HIV) Disease	8	1.6	7	4.0	15	2.2
9	Influenza and Pneumonia	5	1.0	6	3.4	11	1.6
9	Cerebrovascular Diseases	6	1.2	5	2.8	11	1.6
	All Other Causes	67	13.6	52	29.4	119	17.8
	Total	492	100.0	177	100.0	669	100.0
Rank	25 TO 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	121	18.4	29	8.5	150	15.0
2	Malignant Neoplasms	59	9.0	74	21.6	133	13.3
3	Accidents Except Poisoning by Psychoactive Substance	78	11.9	14	4.1	92	9.2
4	Human Immunodeficiency Virus (HIV) Disease	45	6.8	45	13.2	90	9.0
5	Use of or Poisoning by Psychoactive Substance	70	10.6	17	5.0	87	8.7
6	Intentional Self-harm (Suicide)	60	9.1	23	6.7	83	8.3
7	Diseases of Heart	61	9.3	21	6.1	82	8.2
8	Cerebrovascular Diseases	11	1.7	9	2.6	20	2.0
9	Diabetes Mellitus	11	1.7	6	1.8	17	1.7
10	Influenza and Pneumonia	8	1.2	6	1.8	14	1.4
	All Other Causes	134	20.4	98	28.7	232	23.2
	Total	658	100.0	342	100.0	1,000	100.0

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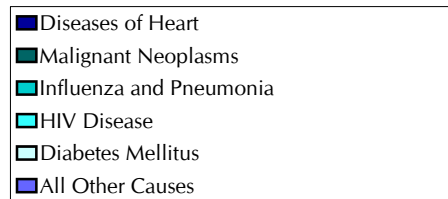
Note: The ten leading causes of death in each age group for both sexes combined are arranged in decreasing order of frequency.

Rank	35 TO 44 YEARS	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	186	12.2	282	27.8	468	18.4
2	Human Immunodeficiency Virus (HIV) Disease.	280	18.3	187	18.4	467	18.4
3	Diseases of Heart.	216	14.1	125	12.3	341	13.4
4	Use of or Poisoning by Psychoactive Substance.	193	12.6	82	8.1	275	10.8
5	Accidents Except Poisoning by Psychoactive Substance.	93	6.1	21	2.1	114	4.5
6	Assault (Homicide).	81	5.3	21	2.1	102	4.0
7	Intentional Self-harm (Suicide).	75	4.9	21	2.1	96	3.8
8	Cerebrovascular Diseases.	34	2.2	28	2.8	62	2.4
9	Diabetes Mellitus.	38	2.5	22	2.2	60	2.4
10	Chronic Liver Disease and Cirrhosis.	43	2.8	13	1.3	56	2.2
	All Other Causes.	289	18.9	214	21.1	503	19.8
	Total.	1,528	100.0	1,016	100.0	2,544	100.0
Rank	45 TO 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	694	22.2	724	36.7	1,418	27.8
2	Diseases of Heart.	704	22.5	318	16.1	1,022	20.1
3	Human Immunodeficiency Virus (HIV) Disease.	395	12.6	199	10.1	594	11.7
4	Use of or Poisoning by Psychoactive Substance.	222	7.1	89	4.5	311	6.1
5	Cerebrovascular Diseases.	98	3.1	59	3.0	157	3.1
6	Diabetes Mellitus.	100	3.2	53	2.7	153	3.0
7	Viral Hepatitis.	96	3.1	50	2.5	146	2.9
8	Chronic Liver Disease and Cirrhosis.	101	3.2	29	1.5	130	2.6
9	Influenza and Pneumonia.	72	2.3	49	2.5	121	2.4
10	Accidents Except Poisoning by Psychoactive Substance.	92	2.9	26	1.3	118	2.3
	All Other Causes.	549	17.6	378	19.1	927	18.2
	Total.	3,123	100.0	1,974	100.0	5,097	100.0
Rank	55 TO 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	1,321	32.2	1,229	42.0	2,550	36.3
2	Diseases of Heart.	1,254	30.6	747	25.5	2,001	28.5
3	Diabetes Mellitus.	147	3.6	113	3.9	260	3.7
4	Human Immunodeficiency Virus (HIV) Disease.	163	4.0	49	1.7	212	3.0
5	Cerebrovascular Diseases.	118	2.9	84	2.9	202	2.9
6	Influenza and Pneumonia.	119	2.9	81	2.8	200	2.8
7	Chronic Lower Respiratory Diseases.	86	2.1	78	2.7	164	2.3
8	Chronic Liver Disease and Cirrhosis.	100	2.4	36	1.2	136	1.9
9	Use of or Poisoning by Psychoactive Substance.	94	2.3	21	0.7	115	1.6
10	Accidents Except Poisoning by Psychoactive Substance.	78	1.9	36	1.2	114	1.6
	All Other Causes.	619	15.1	451	15.4	1,070	15.2
	Total.	4,099	100.0	2,925	100.0	7,024	100.0
Rank	65 TO 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	1,927	37.4	1,477	33.7	3,404	35.7
2	Malignant Neoplasms.	1,703	33.1	1,534	35.0	3,237	34.0
3	Diabetes Mellitus.	186	3.6	196	4.5	382	4.0
4	Influenza and Pneumonia.	214	4.2	165	3.8	379	4.0
5	Cerebrovascular Diseases.	163	3.2	160	3.7	323	3.4
6	Chronic Lower Respiratory Diseases.	141	2.7	169	3.9	310	3.3
7	Essential Hypertension and Hypertensive Renal Disease.	68	1.3	65	1.5	133	1.4
8	Accidents Except Poisoning by Psychoactive Substance.	71	1.4	43	1.0	114	1.2
9	Nephritis, Nephrotic Syndrome and Nephrosis.	54	1.0	53	1.2	107	1.1
10	Chronic Liver Disease and Cirrhosis.	69	1.3	33	0.8	102	1.1
	All Other Causes.	552	10.7	484	11.1	1,036	10.9
	Total.	5,148	100.0	4,379	100.0	9,527	100.0
Rank	75 TO 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	3,137	44.4	3,625	45.4	6,762	44.9
2	Malignant Neoplasms.	1,827	25.8	1,890	23.7	3,717	24.7
3	Influenza and Pneumonia.	479	6.8	459	5.8	938	6.2
4	Chronic Lower Respiratory Diseases.	261	3.7	300	3.8	561	3.7
5	Cerebrovascular Diseases.	234	3.3	308	3.9	542	3.6
6	Diabetes Mellitus.	220	3.1	286	3.6	506	3.4
7	Accidents Except Poisoning by Psychoactive Substance.	112	1.6	89	1.1	201	1.3
8	Essential Hypertension and Hypertensive Renal Disease.	82	1.2	108	1.4	190	1.3
9	Nephritis, Nephrotic Syndrome and Nephrosis.	83	1.2	102	1.3	185	1.2
10	Septicemia.	49	0.7	73	0.9	122	0.8
	All Other Causes.	589	8.3	736	9.2	1,325	8.8
	Total.	7,073	100.0	7,976	100.0	15,049	100.0
Rank	85 AND OVER	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	2,661	53.8	6,314	59.6	8,975	57.8
2	Malignant Neoplasms.	790	16.0	1,174	11.1	1,964	12.6
3	Influenza and Pneumonia.	428	8.7	853	8.1	1,281	8.2
4	Chronic Lower Respiratory Diseases.	170	3.4	311	2.9	481	3.1
5	Cerebrovascular Diseases.	120	2.4	349	3.3	469	3.0
6	Diabetes Mellitus.	107	2.2	247	2.3	354	2.3
7	Essential Hypertension and Hypertensive Renal Disease.	61	1.2	177	1.7	238	1.5
8	Accidents Except Poisoning by Psychoactive Substance.	70	1.4	93	0.9	163	1.0
9	Nephritis, Nephrotic Syndrome and Nephrosis.	67	1.4	76	0.7	143	0.9
10	Alzheimers Disease.	33	0.7	108	1.0	141	0.9
	All Other Causes.	436	8.8	884	8.4	1,320	8.5
	Total.	4,943	100.0	10,586	100.0	15,529	100.0

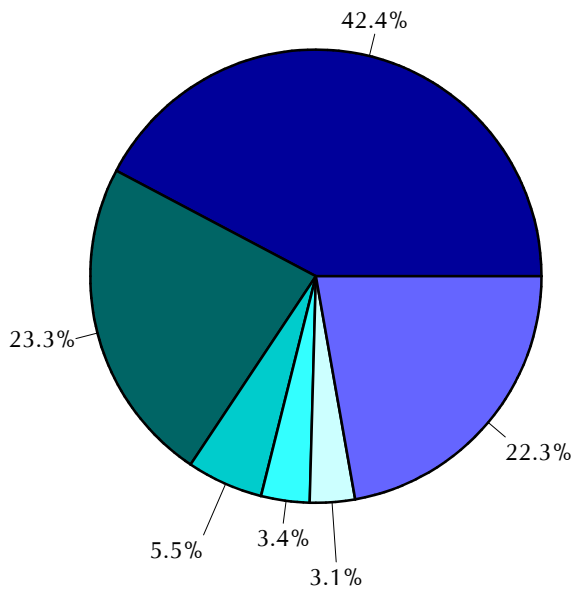
**Figure 4. Leading Causes of Death for Men
New York City, 2004**



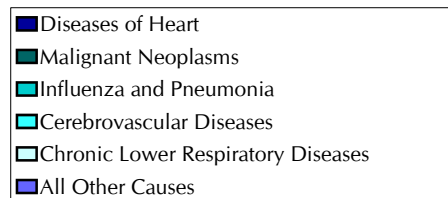
About sixty percent (60.2%) of the 27,622 deaths among New York City men in 2004 were caused by either diseases of the heart (36.1%) or malignant neoplasms (24.1%). Infection and pneumonia caused 4.9% of deaths, HIV diseases caused 3.4% of deaths, and diabetes mellitus caused 2.9% of deaths. All remaining causes of deaths among men accounted for 28.6% of total deaths.

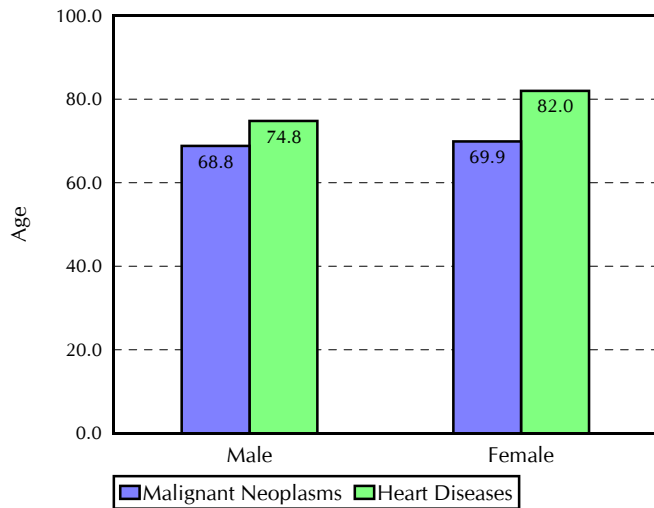


**Figure 5. Leading Causes of Death for Women
New York City, 2004**



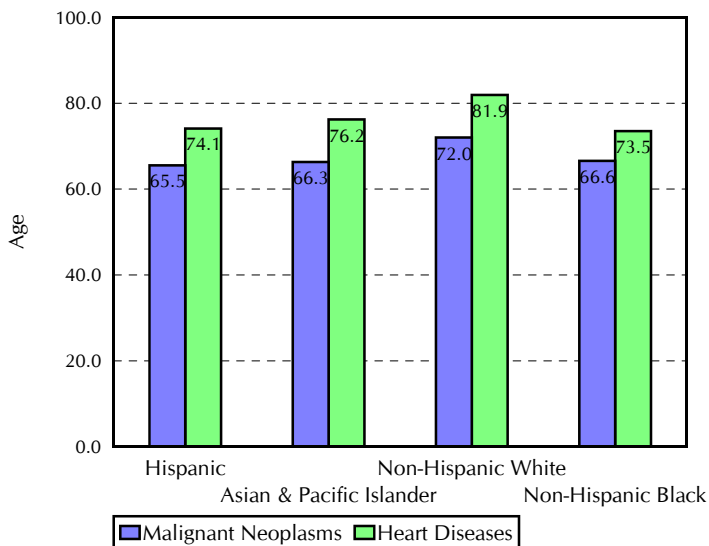
The two leading causes of death among women were the same as for men, diseases of the heart and malignant neoplasms, accounting for 65.7% of the 29,844 deaths. Infection and pneumonia caused 5.5% of deaths. The fourth and fifth leading causes in women differ from those of men: cerebrovascular disease caused 3.4% of deaths and chronic lower respiratory disease caused 3.1% of death. All remaining causes of deaths among women accounted for 22.3% of total deaths.





**Figure 6. Mean Age at Death by Sex
Malignant Neoplasms and Heart Diseases
New York City, 2004**

The average age at death for men and women who die of heart diseases is higher than malignant neoplasms. Women dying of malignant neoplasms live slightly longer (to age 69.9) than their male counterparts (to age 68.8). However, women dying of heart disease live much longer than their male counterparts, 7.2 years on average.



**Figure 7. Mean Age at Death by Ethnicity
Malignant Neoplasms and Heart Diseases
New York City, 2004**

For the top two leading causes of death, malignant neoplasms and heart diseases, non-Hispanic whites live the longest, living to 72.0 and 81.9 years respectively. Hispanics who die of malignant neoplasms live the shortest, 65.5 years; non-Hispanic blacks who die of heart disease live the shortest, 73.5 years.

Table 5a.

**Leading Causes of Death by Sex, Age Under 65
New York City, 2004**

Rank	Cause of Death	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	2,333	22.3	2,360	34.2	4,693	27.0
	Trachea, bronchus, and lung	586	5.6	424	6.1	1,010	5.8
	Breast	1	0.0	572	8.3	573	3.3
	Colon, rectum, and anus	243	2.3	200	2.9	443	2.6
	Liver and intrahepatic bile ducts	218	2.1	44	0.6	262	1.5
	Pancreas.	141	1.3	120	1.7	261	1.5
2	Diseases of Heart.	2,253	21.5	1,238	17.9	3,491	20.1
3	Human Immunodeficiency Virus (HIV) Disease.	895	8.6	489	7.1	1,384	8.0
4	Use of or Poisoning by Psychoactive Substance	614	5.9	223	3.2	837	4.8
5	Assault (Homicide).	482	4.6	92	1.3	574	3.3
6	Accidents Except Poisoning by Psychoactive Substance.	439	4.2	128	1.9	567	3.3
7	Diabetes Mellitus.	298	2.9	194	2.8	492	2.8
8	Cerebrovascular Diseases.	269	2.6	191	2.8	460	2.6
9	Intentional Self-harm (Suicide).	310	3.0	101	1.5	411	2.4
10	Influenza and Pneumonia.	237	2.3	168	2.4	405	2.3
	All Other Causes	2,326	22.2	1,719	24.9	4,045	23.3
	Total	10,456	100.0	6,903	100.0	17,359	100.0

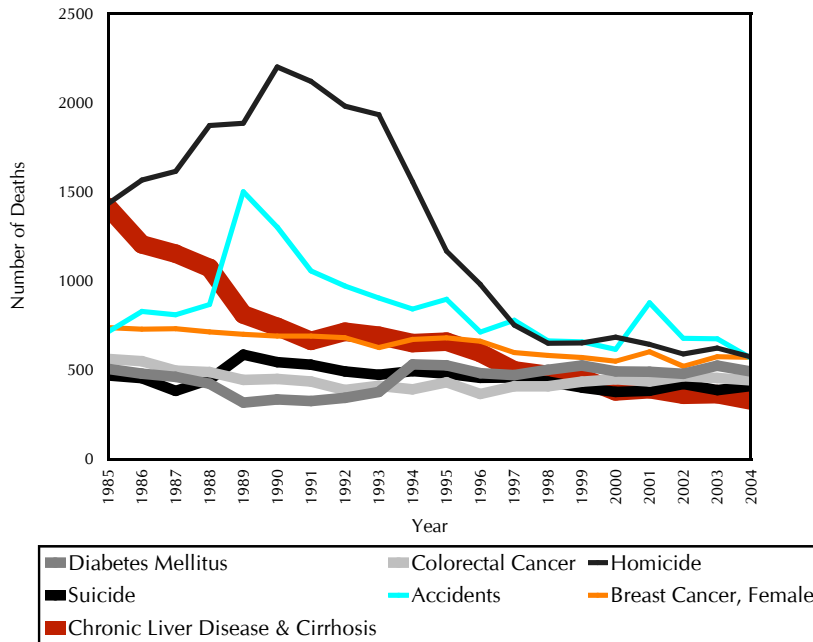


Figure 8. Number of Deaths from Selected Causes Age under 65, New York City, 1985-2004

The number of homicide deaths to those under 65 years of age declined steadily between 1990 and 1998. It has remained near 600 deaths per year with a recorded 574 deaths in 2004. (Note, all reported WTC deaths are homicides and not included for the year 2001.) Suicide deaths declined slightly in the last two decades, from 470 in 1985 to 411 in 2004; suicide deaths peaked in 1989. The number of colorectal cancer deaths occurring among those under 65 years of age also declined in the past two decades, from 563 to 443. Accidental Deaths, while erratic, has decreased since its surge in 2001 due to the Flight 587 air crash. During the past two decades, diabetes mellitus declined to a low of 318 deaths in 1989 and then increased; since 1994, it remains near 500 deaths per year. Chronic liver disease and cirrhosis has declined approximately 77% over the past two decades from 1416 in 1985 to 329 in 2004. Breast Cancer deaths in women have decreased slowly over the past two decades from approximately 700 deaths per year to 500 to 600 deaths per year since 1997.

Table 6.

**Leading Causes of Death in Specified Ethnic Groups* by Sex
New York City, 2004**

Rank	Puerto Rican	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	715	28.4	763	33.0	1,478	30.6
2	Malignant Neoplasms.	513	20.4	464	20.1	977	20.2
3	Human Immunodeficiency Virus (HIV) Disease.	204	8.1	96	4.2	300	6.2
4	Influenza and Pneumonia.	110	4.4	140	6.1	250	5.2
5	Diabetes Mellitus.	93	3.7	130	5.6	223	4.6
6	Cerebrovascular Diseases.	88	3.5	79	3.4	167	3.5
7	Chronic Lower Respiratory Diseases.	65	2.6	91	3.9	156	3.2
8	Use of or Poisoning by Psychoactive Substance	99	3.9	39	1.7	138	2.9
9	Chronic Liver Disease and Cirrhosis.	81	3.2	35	1.5	116	2.4
10	Viral Hepatitis	63	2.5	25	1.1	88	1.8
	All Other Causes	486	19.3	451	19.5	937	19.4
	Total	2,517	100.0	2,313	100.0	4,830	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	536	26.6	610	32.7	1,146	29.5
2	Malignant Neoplasms.	446	22.1	477	25.6	923	23.8
3	Influenza and Pneumonia.	91	4.5	95	5.1	186	4.8
4	Cerebrovascular Diseases.	85	4.2	79	4.2	164	4.2
5	Diabetes Mellitus.	55	2.7	75	4.0	130	3.3
6	Accidents Except Poisoning by Psychoactive Substance.	100	5.0	26	1.4	126	3.2
7	Human Immunodeficiency Virus (HIV) Disease.	79	3.9	34	1.8	113	2.9
8	Assault (Homicide).	81	4.0	20	1.1	101	2.6
9	Chronic Lower Respiratory Diseases.	48	2.4	47	2.5	95	2.4
10	Use of or Poisoning by Psychoactive Substance	64	3.2	24	1.3	88	2.3
	All Other Causes	432	21.4	378	20.3	810	20.9
	Total.	2,017	100.0	1,865	100.0	3,882	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	451	31.8	401	34.7	852	33.1
2	Malignant Neoplasms.	425	30.0	307	26.6	732	28.4
3	Influenza and Pneumonia.	69	4.9	82	7.1	151	5.9
4	Cerebrovascular Diseases.	71	5.0	65	5.6	136	5.3
5	Diabetes Mellitus.	41	2.9	34	2.9	75	2.9
6	Accidents Except Poisoning by Psychoactive Substance.	50	3.5	23	2.0	73	2.8
7	Chronic Lower Respiratory Diseases.	48	3.4	22	1.9	70	2.7
8	Intentional Self-harm (Suicide).	31	2.2	19	1.6	50	1.9
9	Nephritis, Nephrotic Syndrome and Nephrosis	21	1.5	13	1.1	34	1.3
10	Essential Hypertension and Hypertensive Renal Disease.	15	1.1	13	1.1	28	1.1
	All Other Causes.	197	13.9	177	15.3	374	14.5
	Total.	1,419	100.0	1,156	100.0	2,575	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	5,905	42.4	7,651	48.2	13,556	45.5
2	Malignant Neoplasms.	3,550	25.5	3,770	23.8	7,320	24.6
3	Influenza and Pneumonia.	744	5.3	916	5.8	1,660	5.6
4	Chronic Lower Respiratory Diseases.	384	2.8	549	3.5	933	3.1
5	Cerebrovascular Diseases.	310	2.2	437	2.8	747	2.5
6	Diabetes Mellitus.	292	2.1	285	1.8	577	1.9
7	Accidents Except Poisoning by Psychoactive Substance.	316	2.3	195	1.2	511	1.7
8	Use of or Poisoning by Psychoactive Substance	273	2.0	73	0.5	346	1.2
9	Essential Hypertension and Hypertensive Renal Disease.	101	0.7	155	1.0	256	0.9
10	Intentional Self-harm (Suicide).	188	1.4	67	0.4	255	0.9
	All Other Causes.	1,850	13.3	1,759	11.1	3,609	12.1
	Total.	13,913	100.0	15,857	100.0	29,770	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	2,101	30.0	2,915	37.1	5,016	33.8
2	Malignant Neoplasms.	1,555	22.2	1,761	22.4	3,316	22.3
3	Human Immunodeficiency Virus (HIV) Disease.	481	6.9	312	4.0	793	5.3
4	Diabetes Mellitus.	309	4.4	384	4.9	693	4.7
5	Influenza and Pneumonia.	296	4.2	370	4.7	666	4.5
6	Cerebrovascular Diseases.	208	3.0	305	3.9	513	3.5
7	Chronic Lower Respiratory Diseases.	167	2.4	204	2.6	371	2.5
8	Assault (Homicide).	283	4.0	46	0.6	329	2.2
9	Essential Hypertension and Hypertensive Renal Disease.	113	1.6	166	2.1	279	1.9
10	Use of or Poisoning by Psychoactive Substance	166	2.4	85	1.1	251	1.7
	All Other Causes.	1,314	18.8	1,318	16.8	2,632	17.7
	Total.	6,993	100.0	7,866	100.0	14,859	100.0

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

* Decedents of other, two or more races, and unknown ethnicities are not shown.

Table 6a.

Leading Causes of Death in Specified Ethnic Groups* by Sex
Age under 65, New York City, 2004

Rank	Puerto Rican	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	238	18.7	180	23.7	418	20.6
2	Diseases of Heart.	227	17.9	127	16.7	354	17.4
3	Human Immunodeficiency Virus (HIV) Disease.	198	15.6	91	12.0	289	14.2
4	Use of or Poisoning by Psychoactive Substance	97	7.6	39	5.1	136	6.7
5	Chronic Liver Disease and Cirrhosis.	57	4.5	19	2.5	76	3.7
6	Viral Hepatitis	55	4.3	20	2.6	75	3.7
7	Diabetes Mellitus.	39	3.1	31	4.1	70	3.4
8	Cerebrovascular Diseases.	31	2.4	27	3.6	58	2.9
9	Influenza and Pneumonia.	27	2.1	28	3.7	55	2.7
10	Assault (Homicide).	45	3.5	5	0.7	50	2.5
	All Other Causes	257	20.2	193	25.4	450	22.2
	Total	1,271	100.0	760	100.0	2,031	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	209	18.7	231	35.4	440	24.9
2	Diseases of Heart.	188	16.9	99	15.2	287	16.2
3	Human Immunodeficiency Virus (HIV) Disease.	73	6.5	31	4.7	104	5.9
4	Accidents Except Poisoning by Psychoactive Substance.	88	7.9	13	2.0	101	5.7
5	Assault (Homicide).	79	7.1	19	2.9	98	5.5
6	Use of or Poisoning by Psychoactive Substance	64	5.7	24	3.7	88	5.0
7	Cerebrovascular Diseases.	47	4.2	19	2.9	66	3.7
8	Diabetes Mellitus.	27	2.4	16	2.5	43	2.4
8	Chronic Liver Disease and Cirrhosis.	33	3.0	10	1.5	43	2.4
10	Intentional Self-harm (Suicide).	34	3.0	8	1.2	42	2.4
	All Other Causes	273	24.5	183	28.0	456	25.8
	Total	1,115	100.0	653	100.0	1,768	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	169	32.2	137	43.8	306	36.5
2	Diseases of Heart.	120	22.9	39	12.5	159	19.0
3	Cerebrovascular Diseases.	26	5.0	14	4.5	40	4.8
4	Accidents Except Poisoning by Psychoactive Substance.	31	5.9	8	2.6	39	4.7
5	Intentional Self-harm (Suicide).	22	4.2	13	4.2	35	4.2
6	Congenital Malformations, Deformations.	10	1.9	10	3.2	20	2.4
6	Diabetes Mellitus.	13	2.5	7	2.2	20	2.4
8	Influenza and Pneumonia.	11	2.1	5	1.6	16	1.9
9	Assault (Homicide).	10	1.9	5	1.6	15	1.8
10	Chronic Liver Disease and Cirrhosis.	10	1.9	3	1.0	13	1.6
	All Other Causes.	103	19.6	72	23.0	175	20.9
	Total	525	100.0	313	100.0	838	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	999	27.5	1,015	44.1	2,014	34.0
2	Diseases of Heart.	881	24.3	395	17.2	1,276	21.5
3	Use of or Poisoning by Psychoactive Substance	269	7.4	71	3.1	340	5.7
4	Accidents Except Poisoning by Psychoactive Substance.	158	4.4	49	2.1	207	3.5
5	Intentional Self-harm (Suicide).	149	4.1	54	2.3	203	3.4
6	Human Immunodeficiency Virus (HIV) Disease.	134	3.7	46	2.0	180	3.0
7	Influenza and Pneumonia.	79	2.2	62	2.7	141	2.4
8	Cerebrovascular Diseases.	73	2.0	54	2.3	127	2.1
9	Diabetes Mellitus.	80	2.2	45	2.0	125	2.1
10	Chronic Lower Respiratory Diseases.	60	1.7	49	2.1	109	1.8
10	Chronic Liver Disease and Cirrhosis.	85	2.3	24	1.0	109	1.8
	All Other Causes.	662	18.2	436	19.0	1,098	18.5
	Total	3,629	100.0	2,300	100.0	5,929	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	659	18.2	744	27.6	1,403	22.3
2	Diseases of Heart.	772	21.4	543	20.2	1,315	20.9
3	Human Immunodeficiency Virus (HIV) Disease.	461	12.8	303	11.3	764	12.1
4	Assault (Homicide).	281	7.8	45	1.7	326	5.2
5	Use of or Poisoning by Psychoactive Substance	158	4.4	83	3.1	241	3.8
6	Diabetes Mellitus.	133	3.7	93	3.5	226	3.6
7	Cerebrovascular Diseases.	85	2.4	73	2.7	158	2.5
7	Accidents Except Poisoning by Psychoactive Substance.	116	3.2	42	1.6	158	2.5
9	Influenza and Pneumonia.	91	2.5	60	2.2	151	2.4
10	Chronic Lower Respiratory Diseases.	52	1.4	64	2.4	116	1.8
	All Other Causes.	803	22.2	641	23.8	1,444	22.9
	Total	3,611	100.0	2,691	100.0	6,302	100.0

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

* Decedents of other and unknown ethnicities are not shown.

Table 7. Deaths and Crude Death Rates per 100,000 Population from Selected Causes by Health Center District of Residence, New York City, 2004

Health Center District	Population 2000 Census	All Causes		Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebro- vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Poisoning		Intentional Self-harm (Suicide)		Assault** (Homicide)		Events of Undetermined Intent	
		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
		Rate Per 1,000																											
NEW YORK CITY*	8,008,278	57,466	7.2	22,632	282.6	13,611	170.0	1,451	18.1	3,003	37.5	1,794	22.4	1,670	20.9	500	6.2	1,734	21.7	855	10.7	1,045	13.0	493	6.2	598	7.5	234	2.9
MANHATTAN	1,537,195	10,337	6.7	3,431	223.2	2,526	164.3	325	21.1	713	46.4	409	26.6	348	22.6	81	5.3	279	18.1	156	10.1	156	10.1	132	8.6	67	4.4	29	1.9
Central Harlem	123,781	1,266	10.2	381	307.8	258	208.4	63	50.9	80	64.6	46	37.2	37	29.9	10	8.1	61	49.3	33	26.7	13	10.5	11	8.9	22	17.8	3	2.4
East Harlem	136,172	1,120	8.2	342	251.2	239	175.5	48	35.2	67	49.2	43	31.6	45	33.0	15	11.0	46	33.8	21	15.4	12	8.8	15	11.0	12	8.8	3	2.2
Kips Bay-Yorkville	241,888	1,540	6.4	583	241.0	419	173.2	9	3.7	114	47.1	68	28.1	56	23.2	11	4.5	19	7.9	12	5.0	29	12.0	11	4.5	3	1.2	4	1.7
Lower East Side	242,760	1,748	7.2	536	220.8	452	186.2	59	24.3	121	49.8	81	33.4	62	25.5	13	5.4	47	19.4	31	12.8	25	10.3	24	9.9	5	2.1	3	1.2
Lower West Side	309,871	1,815	5.9	617	199.1	501	161.7	58	18.7	136	43.9	57	18.4	58	18.7	14	4.5	29	9.4	23	7.4	32	10.3	36	11.6	5	1.6	6	1.9
Riverside	203,527	1,403	6.9	488	239.8	336	165.1	46	22.6	119	58.5	52	25.5	47	23.1	9	4.4	32	15.7	14	6.9	20	9.8	13	6.4	7	3.4	5	2.5
Washington Heights	279,196	1,445	5.2	484	173.4	321	115.0	42	15.0	76	27.2	62	22.2	43	15.4	9	3.2	45	16.1	22	7.9	25	9.0	22	7.9	13	4.7	5	1.8
BRONX	1,332,650	9,236	6.9	3,313	248.6	1,964	147.4	454	34.1	416	31.2	317	23.8	312	23.4	117	8.8	370	27.8	199	14.9	174	13.1	57	4.3	131	9.8	36	2.7
Fordham-Riverdale	264,157	2,071	7.8	889	336.5	388	146.9	55	20.8	107	40.5	64	24.2	79	29.9	20	7.6	72	27.3	29	11.0	47	17.8	11	4.2	18	6.8	4	1.5
Morrisania	168,173	1,146	6.8	302	179.6	240	142.7	108	64.2	47	27.9	45	26.8	45	26.8	18	10.7	63	37.5	33	19.6	20	11.9	7	4.2	25	14.9	12	7.1
Mott Haven	138,675	876	6.3	241	173.8	199	143.5	63	45.4	46	33.2	19	13.7	29	20.9	18	13.0	42	30.3	29	20.9	12	8.7	7	5.0	13	9.4	3	2.2
Pelham Bay	244,452	1,964	8.0	795	325.2	427	174.7	36	14.7	94	38.5	75	30.7	65	26.6	18	7.4	73	29.9	28	11.5	33	13.5	9	3.7	26	10.6	4	1.6
Tremont	215,636	1,008	4.7	240	111.3	199	92.3	123	57.0	36	16.7	37	17.2	27	12.5	20	9.3	37	17.2	45	20.9	24	11.1	8	3.7	26	12.1	7	3.2
Westchester	301,557	2,171	7.2	846	280.5	511	169.5	69	22.9	86	28.5	77	25.5	67	22.2	23	7.6	83	27.5	35	11.6	38	12.6	15	5.0	23	7.6	6	2.0
BROOKLYN	2,465,326	16,913	6.9	7,117	288.7	3,597	145.9	444	18.0	894	36.3	489	19.8	431	17.5	129	5.2	565	22.9	234	9.5	282	11.4	112	4.5	226	9.2	81	3.3
Bay Ridge	271,224	2,177	8.0	1,100	405.6	483	178.1	7	2.6	97	35.8	53	19.5	57	21.0	11	4.1	46	17.0	23	8.5	30	11.1	19	7.0	8	2.9	8	2.9
Bedford	230,175	1,642	7.1	554	240.7	329	142.9	89	38.7	87	37.8	61	26.5	45	19.6	20	8.7	86	37.4	29	12.6	29	12.6	10	4.3	35	15.2	2	0.9
Brownsville	301,771	2,022	6.7	698	231.3	442	146.5	107	35.5	74	24.5	67	22.2	50	16.6	17	5.6	85	28.2	31	10.3	32	10.6	13	4.3	52	17.2	13	4.3
Bushwick	193,661	1,042	5.4	315	162.7	209	107.9	62	32.0	58	29.9	33	17.0	32	16.5	15	7.7	57	29.4	30	15.5	21	10.8	7	3.6	37	19.1	9	4.6
Flatbush	538,519	3,349	6.2	1,465	272.0	722	134.1	73	13.6	146	27.1	103	19.1	75	13.9	12	2.2	131	24.3	30	5.6	58	10.8	20	3.7	42	7.8	14	2.6
Fort Greene	152,636	1,106	7.2	391	256.2	245	160.5	54	35.4	80	52.4	31	20.3	34	22.3	9	5.9	37	24.2	24	15.7	13	8.5	2	1.3	20	13.1	4	2.6
Gravesend	309,623	2,864	9.2	1,496	483.2	593	191.5	10	3.2	181	58.5	62	20.0	67	21.6	12	3.9	50	16.1	21	6.8	38	12.3	20	6.5	14	4.5	18	5.8
Red Hook-Gowanus	111,434	747	6.7	287	257.6	168	150.8	13	11.7	47	42.2	21	18.8	23	20.6	8	7.2	17	15.3	11	9.9	18	16.2	7	6.3	3	2.7	4	3.6
Sunset Park	195,945	1,034	5.3	468	238.8	187	95.4	14	7.1	72	36.2	32	16.3	26	13.3	9	4.6	37	17.2	16	8.2	17	8.7	4	2.0	8	4.1	4	2.0
Williamsburg-Greenpoint	160,338	930	5.8	343	213.9	219	136.6	15	9.4	52	32.4	26	16.2	22	13.7	16	10.0	33	20.6	19	11.8	26	16.2	10	6.2	7	4.4	5	3.1
QUEENS	2,229,379	13,404	6.0	6,206	278.4	3,086	138.4	129	5.8	565	25.3	382	17.1	370	16.6	112	5.0	356	16.0	119	5.3	247	11.1	123	5.5	105	4.7	38	1.7
Astoria	270,535	1,458	5.4	670	247.7	353	130.5	17	6.3	58	21.4	39	14.4	47	17.4	17	6.3	22	8.1	20	7.4	31	11.5	14	5.2	10	3.7	6	2.2
Corona	365,234	1,600	4.4	705	193.0	366	100.2	22	6.0	68	18.6	64	17.5	34	9.3	14	3.8	38	10.4	16	4.4	40	11.0	11	3.0	11	3.0	4	1.1
Flushing	498,318	3,248	6.5	1,586	318.3	818	164.2	8	1.6	129	25.9	83	16.7	111	22.3	14	2.8	66	13.2	30	6.0	46	9.2	33	6.6	13	2.6	11	2.2
Jamaica East	378,044	2,208	5.8	876	231.7	505	133.6	54	14.3	102	27.0	87	23.0	42	11.1	21	5.6	106	28.0	13	3.4	45	11.9	16	4.2	34	9.0	8	2.1
Jamaica West	421,894	2,705	6.4	1,291	306.0	541	128.2	23	5.5	105	24.9	60	14.2	72	17.1	27	6.4	83	19.7	19	4.5	47	11.1	26	6.2	25	5.9	6	1.4
Maspeth-Forest Hills	295,354	2,185	7.4	1,078	365.0	503	170.3	5	1.7	103	34.9	49	16.6	64	21.7	19	6.4	41	13.9	21	7.1	38	12.9	23	7.8	12	4.1	3	1.0
RICHMOND	443,728	3,462	7.8	1,492	336.2	852	192.0	34	7.7	279	62.9	79	17.8	148	33.4	26	5.9	102	23.0	42	9.5	60	13.5	21	4.7	9	2.0	13	2.9
NON-RESIDENTS	-	3,739	-	977	-	1,538	-	38	-	120	-	114	-	56	-	27	-	53	-	69	-	105	-	40	-	39	-	11	-
RESIDENCE UNKNOWN	-	375	-	96	-	48	-	27	-	16	-	4	-	5	-	8	-	9	-	36	-	21	-	8	-	21	-	26	-

* In addition to the five boroughs, New York City deaths include events to non-residents and residence unknowns. See Technical Notes: Vital Events.

** In 2002 and earlier years, deaths from legal interventions were included in Homicide. Since then they are excluded from this table and can be seen as a separate cause of death in Tables 4 and 16.

Note: Borough totals may be higher than the sum of the health center districts, as they may include some deaths whose health center district could not be determined.

Table 8.

Deaths and Death Rates per 100,000 Population from Selected Causes by Community District of Residence, New York City, 2004

Community District	Population 2000 Census	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebro- Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault** (Homicide)		Events of Undetermined Intent		
		No.	Crude Rate	Age Adjusted Rate***	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate
		New York City*	8,008,278	57,466	7.2	7.6	22,632	282.6	13,611	170.0	1,451	18.1	3,003	37.5	1,794	22.4	1,670	20.9	500	6.2	1,734	21.7	855	10.7	1,045	13.0	493	6.2	598	7.5
Manhattan	1,537,195	10,295	6.7	6.8	3,417	222.3	2,516	163.7	324	21.1	710	46.2	406	26.4	347	22.6	79	5.1	277	18.0	156	10.1	156	10.1	132	8.6	67	4.4	29	1.9
Battery Park, Tribeca (01)	34,420	129	3.7	6.1	44	127.8	34	98.8	3	8.7	11	32.0	8	23.2	7	20.3	—	—	1	2.9	—	—	2	5.8	—	—	—	—	—	—
Greenwich Village, SOHO (02)	93,119	470	5.0	5.3	160	171.8	141	151.4	7	7.5	38	40.8	15	16.1	16	17.2	4	4.3	3	3.2	6	6.4	8	8.6	9	9.7	1	1.1	1	1.1
Lower East Side (03)	164,407	1,266	7.7	7.4	376	228.7	321	195.2	48	29.2	87	52.9	59	35.9	41	24.9	11	6.7	36	21.9	20	12.2	24	14.6	19	11.6	5	3.0	1	0.6
Chelsea, Clinton (04)	87,479	623	7.1	7.4	204	233.2	173	197.8	28	32.0	44	50.3	16	18.3	15	17.1	6	6.9	17	19.4	9	10.3	15	17.1	12	13.7	4	4.6	3	3.4
Midtown Business District (05)	44,028	266	6.0	6.8	84	190.8	56	127.2	20	45.4	18	40.9	13	29.5	8	18.2	2	4.5	1	2.3	5	11.4	7	15.9	9	20.4	—	—	3	6.8
Murray Hill (06)	136,152	862	6.3	5.4	292	214.5	244	179.2	14	10.3	57	41.9	38	27.9	33	24.2	6	4.4	15	11.0	15	11.0	13	9.5	11	8.1	—	—	1	0.7
Upper West Side (07)	207,699	1,401	6.7	6.4	494	237.8	362	174.3	32	15.4	112	53.9	57	27.4	47	22.6	8	3.9	30	14.4	12	5.8	13	6.3	18	8.7	2	1.0	5	2.4
Upper East Side (08)	217,063	1,357	6.3	5.6	512	235.9	358	164.9	8	3.7	112	51.6	51	23.5	57	26.3	7	3.2	20	9.2	11	5.1	18	8.3	8	3.7	3	1.4	4	1.8
Manhattanville (09)	111,724	680	6.1	7.5	218	195.1	160	143.2	34	30.4	43	38.5	17	15.2	20	17.9	5	4.5	22	19.7	9	8.1	14	12.5	8	7.2	10	9.0	2	1.8
Central Harlem (10)	107,109	1,045	9.8	10.7	318	296.9	217	202.6	50	46.7	69	64.4	37	34.5	27	25.2	10	9.3	46	42.9	29	27.1	11	10.3	11	10.3	20	18.7	3	2.8
East Harlem (11)	117,743	1,153	9.8	10.9	351	298.1	231	196.2	56	47.6	60	51.0	48	40.8	46	39.1	15	12.7	57	48.4	22	18.7	13	11.0	12	10.2	14	11.9	3	2.5
Washington Heights (12)	208,414	1,043	5.0	6.1	364	174.7	219	105.1	24	11.5	59	28.3	47	22.6	30	14.4	5	2.4	29	13.9	18	8.6	18	8.6	15	7.2	8	3.8	3	1.4
Bronx	1,332,650	9,278	7.0	8.4	3,327	249.7	1,974	148.1	455	34.1	419	31.4	320	24.0	313	23.5	119	8.9	372	27.9	199	14.9	174	13.1	57	4.3	131	9.8	36	2.7
Mott Haven (01)	82,159	579	7.0	9.9	143	174.1	130	158.2	49	59.6	28	34.1	10	12.2	20	24.3	15	18.3	31	37.7	20	24.3	5	6.1	5	6.1	9	11.0	2	2.4
Hunts Point (02)	46,824	291	6.2	9.5	92	196.5	62	132.4	21	44.8	14	29.9	6	12.8	4	8.5	8	17.1	12	25.6	14	29.9	6	12.8	2	4.3	4	8.5	3	6.4
Morrisania (03)	68,574	436	6.4	9.7	115	167.7	90	131.2	57	83.1	11	16.0	17	24.8	17	24.8	6	8.7	22	32.1	11	16.0	3	4.4	—	—	14	20.4	6	8.7
Concourse, Highbridge (04)	139,563	918	6.6	10.0	235	168.4	201	144.0	70	50.2	51	36.5	36	25.8	40	28.7	10	7.2	43	30.8	31	22.2	23	16.5	9	6.4	13	9.3	4	2.9
University/Morris Heights (05)	128,313	554	4.3	7.6	152	118.5	108	84.2	69	53.8	13	10.1	18	14.0	9	7.0	12	9.4	18	14.0	22	17.1	15	11.7	5	3.9	16	12.5	4	3.1
East Tremont (06)	75,688	456	6.0	8.9	119	157.2	95	125.5	39	51.5	13	17.2	16	21.1	18	23.8	7	9.2	22	29.1	17	22.5	13	17.2	3	4.0	11	14.5	1	1.3
Fordham (07)	141,411	819	5.8	8.6	300	212.1	157	111.0	34	24.0	42	29.7	29	20.5	32	22.6	13	9.2	34	24.0	17	12.0	24	17.0	4	2.8	12	8.5	3	2.1
Riverdale (08)	101,332	1,101	10.9	8.3	533	526.0	194	191.4	11	10.9	67	66.1	37	36.5	41	40.5	7	6.9	35	34.5	5	4.9	14	13.8	6	5.9	3	3.0	3	3.0
Unionport, Soundview (09)	167,859	1,018	6.1	7.6	357	212.7	217	129.3	54	32.2	39	23.2	39	23.2	28	16.7	13	7.7	43	25.6	19	11.3	16	9.5	7	4.2	20	11.9	2	1.2
Throgs Neck (10)	115,948	1,117	9.6	7.4	468	403.6	304	262.2	12	10.3	39	33.6	37	31.9	37	31.9	8	6.9	42	36.2	15	12.9	18	15.5	6	5.2	6	5.2	3	2.6
Pelham Parkway (11)	110,706	1,059	9.6	8.3	478	431.8	202	182.5	14	12.6	58	52.4	40	36.1	42	37.9	11	9.9	38	34.3	15	13.5	19	17.2	7	6.3	8	7.2	2	1.8
Williamsbridge (12)	149,077	930	6.2	6.7	335	224.7	214	143.5	25	16.8	44	29.5	35	23.5	25	16.8	9	6.0	32	21.5	13	8.7	18	12.1	3	2.0	15	10.1	3	2.0
Brooklyn	2,465,326	16,913	6.9	7.4	7,117	288.7	3,597	145.9	444	18.0	894	36.3	489	19.8	431	17.5	129	5.2	565	22.9	234	9.5	282	11.4	112	4.5	226	9.2	81	3.3
Williamsburg, Greenpoint (01)	160,338	930	5.8	7.2	343	213.9	219	136.6	15	9.4	52	32.4	26	16.2	22	13.7	16	10.0	33	20.6	19	11.8	26	16.2	10	6.2	7	4.4	5	3.1
Fort Green, Brooklyn Heights (02)	98,620	676	6.9	8.1	256	259.6	154	156.2	16	16.2	55	55.8	23	23.3	19	19.3	4	4.1	22	22.3	14	14.2	11	11.2	3	3.0	4	4.1	1	1.0
Bedford Stuyvesant (03)	143,867	1,164	8.1	10.1	382	265.5	232	161.3	78	54.2	73	50.7	33	22.9	39	27.1	13	9.0	49	34.1	23	16.0	13	9.0	6	4.2	38	26.4	2	1.4
Bushwick (04)	104,358	536	5.1	8.2	158	151.4	106	101.6	31	29.7	30	28.7	16	15.3	18	17.2	9	8.6	28	26.8	18	17.2	7	6.7	1	1.0	14	13.4	5	4.8
East New York (05)	173,198	1,141	6.6	9.0	403	232.7	227	131.1	74	42.7	45	26.0	36	20.8	26	15.0	12	6.9	56	32.3	22	12.7	17	9.8	6	3.5	23	13.3	7	4.0
Park Slope (06)	104,054	648	6.2	8.1	237	227.8	149	143.2	13	12.5	52	50.0	11	10.6	23	22.1	8	7.7	11	10.6	12	11.5	13	12.5	5	4.8	3	2.9	5	4.8
Sunset Park (07)	120,063	597	5.0	6.6	230	191.6	128	106.6	11	9.2	35	29.2	13	10.8	21	17.5	7	5.8	16	13.3	12	10.0	12	10.0	6	5.0	9	7.5	4	3.3
Crown Heights North (08)	96,076	715	7.4	9.1	246	256.0	154	160.3	40	41.6	30	31.2	30	31.2	21	21.9	9	9.4	30	31.2	15	15.6	9	9.4	5	5.2	15	15.6	1	1.0
Crown Heights South (09)	104,014	638	6.1	7.3	221	212.5	133	127.9	24	23.1	32	30.8	26	25.0	14	13.5	6	5.8	48	46.1	2	1.9	13	12.5	4	3.8	13	12.5	1	1.0
Bay Ridge (10)	122,542	998	8.1	6.7	482	393.3	225	183.6	4	3.3	45	36.7	25	20.4	29	23.7	8	6.5	22	18.0	15	12.2	18	14.7	9	7.3	1	0.8	2	1.6
Bensonhurst (11)	172,129	1,435	8.3	6.6	757	439.8	308	178.9	2	1.2	76	44.2	37	21.5	24	13.9	4	2.3	33	19.2	10	5.8	19	11.0	10	5.8	7	4.1	8	4.6
Borough Park (12)	185,046	1,167	6.3	6.5	611	330.2	215	116.2	10	5.4	62	33.5	36	19.5	23	12.4	4	2.2	21	11.3	6	3.2	13	7.0	4	2.2	3	1.6	6	3.2
Coney Island (13)	106,120</																													

Table 8.

Deaths and Death Rates per 100,000 Population from Selected Causes by Community District of Residence, New York City, 2004 (Continued)

Community District	Population 2000 Census	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebro- Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault** (Homicide)		Events of Undetermined Intent		
		No.	Crude Rate	Age Adjusted Rate***	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate
Queens	2,229,379	13,404	6.0	6.0	6,206	278.4	3,086	138.4	129	5.8	565	25.3	382	17.1	370	16.6	112	5.0	356	16.0	119	5.3	247	11.1	123	5.5	105	4.7	38	1.7
Astoria, Long Island City (01)	211,220	1,098	5.2	5.9	503	238.1	265	125.5	18	8.5	42	19.9	33	15.6	34	16.1	11	5.2	15	7.1	14	6.6	19	9.0	11	5.2	8	3.8	6	2.8
Sunnyside, Woodside (02)	109,920	531	4.8	5.4	239	217.4	132	120.1	3	2.7	25	22.7	14	12.7	17	15.5	7	6.4	9	8.2	6	5.5	16	14.6	3	2.7	3	2.7	-	-
Jackson Heights (03)	169,083	809	4.8	5.7	348	205.8	191	113.0	10	5.9	38	22.5	30	17.7	17	10.1	7	4.1	21	12.4	9	5.3	23	13.6	8	4.7	5	3.0	-	-
Elmhurst, Corona (04)	167,005	683	4.1	5.7	315	188.6	149	89.2	8	4.8	23	13.8	26	15.6	15	9.0	6	3.6	16	9.6	7	4.2	17	10.2	3	1.8	5	3.0	4	2.4
Ridgewood, Glendale (05)	165,911	1,155	7.0	6.6	529	318.8	267	160.9	4	2.4	59	35.6	28	16.9	38	22.9	15	9.0	21	12.7	16	9.6	20	12.1	10	6.0	8	4.8	1	0.6
Rego Park, Forest Hills (06)	115,967	912	7.9	5.6	490	422.5	208	179.4	1	0.9	38	32.8	20	17.2	21	18.1	4	3.4	19	16.4	5	4.3	13	11.2	12	10.3	4	3.4	2	1.7
Flushing (07)	242,952	1,684	6.9	5.7	878	361.4	396	163.0	6	2.5	59	24.3	36	14.8	48	19.8	7	2.9	29	11.9	14	5.8	27	11.1	18	7.4	10	4.1	4	1.6
Fresh Meadows, Briarwood (08)	146,594	905	6.2	5.6	389	265.4	225	153.5	5	3.4	46	31.4	34	23.2	32	21.8	4	2.7	29	19.8	10	6.8	10	6.8	9	6.1	-	-	7	4.8
Woodhaven (09)	141,608	702	5.0	6.2	316	223.2	157	110.9	5	3.5	31	21.9	16	11.3	13	9.2	5	3.5	23	16.2	2	1.4	16	11.3	11	7.8	4	2.8	1	0.7
Howard Beach (10)	127,274	719	5.6	5.9	287	225.5	179	140.6	4	3.1	27	21.2	21	16.5	19	14.9	8	6.3	29	22.8	3	2.4	18	14.1	8	6.3	9	7.1	1	0.8
Bayside (11)	116,404	712	6.1	4.7	340	292.1	205	176.1	1	0.9	32	27.5	16	13.7	24	20.6	3	2.6	14	12.0	8	6.9	10	8.6	3	2.6	2	1.7	1	0.9
Jamaica, St. Albans (12)	223,602	1,510	6.8	7.4	597	267.0	338	151.2	43	19.2	67	30.0	66	29.5	29	13.0	13	5.8	72	32.2	8	3.6	36	16.1	12	5.4	29	13.0	6	2.7
Queens Village (13)	196,284	898	4.6	4.6	369	188.0	215	109.5	11	5.6	42	21.4	28	14.3	24	12.2	10	5.1	35	17.8	5	2.5	13	6.6	9	4.6	9	4.6	2	1.0
The Rockaways (14)	106,686	1,078	10.1	9.5	603	565.2	155	145.3	10	9.4	36	33.7	14	13.1	39	36.6	12	11.2	24	22.5	12	11.2	9	8.4	6	5.6	9	8.4	3	2.8
Staten Island	443,728	3,462	7.8	8.2	1,492	336.2	852	192.0	34	7.7	279	62.9	79	17.8	148	33.4	26	5.9	102	23.0	42	9.5	60	13.5	21	4.7	9	2.0	13	2.9
Port Richmond (01)	162,609	1,280	7.9	8.7	518	318.6	290	178.3	25	15.4	124	76.3	31	19.1	60	36.9	6	3.7	45	27.7	19	11.7	19	11.7	7	4.3	4	2.5	7	4.3
Willowbrook, South Beach (02)	127,071	1,201	9.5	8.7	560	440.7	282	221.9	6	4.7	98	77.1	27	21.2	51	40.1	13	10.2	31	24.4	10	7.9	22	17.3	7	5.5	1	0.8	2	1.6
Tottenville (03)	152,908	980	6.4	7.2	414	270.8	279	182.5	3	2.0	57	37.3	21	13.7	37	24.2	7	4.6	26	17.0	13	8.5	19	12.4	7	4.6	4	2.6	4	2.6

* In addition to the five boroughs, New York City deaths include events to non-residents and residence unknowns. See Technical Notes: Vital Events.

** In 2002 and earlier years, deaths from legal interventions were included in Homicide. Since then they are excluded from this table and can be seen as a separate cause of death in Tables 4 and 16. See Technical Notes: External Causes of Death.

Borough totals may be higher than the sum of the community districts, as they may include some deaths whose community district could not be determined.

*** The Age Adjusted Rate column is new. Other rates are crude rates, meaning they are not adjusted. See Rates and Ratios Defined on page 65 for a more complete explanation.

Table 9.

**Deaths by Place of Death
New York City, 1994 - 2004**

Place of Death	1994	1995	1996	1997	1998	1999	2000	2001*	2002	2003	2004
Home.	12,822	12,973	12,197	11,800	11,647	11,911	11,163	11,150	10,944	10,843	10,342
Hospital											
Voluntary.	39,103	39,609	37,288	34,612	33,911	34,825	34,208	33,418	33,565	33,307	32,630
Proprietary.	2,520	1,928	1,837	1,672	1,460	1,198	842	845	740	737	738
Municipal.	8,231	7,710	7,046	6,158	5,716	5,784	5,598	5,534	5,362	5,277	4,931
Other Government.	1,172	1,053	959	925	812	847	866	790	715	689	632
Nursing Home.	5,110	5,551	5,753	5,746	5,880	6,475	6,632	6,621	6,735	6,790	6,659
Other Specified Place.	2,080	1,945	1,704	1,593	1,584	1,430	1,530	1,860	1,590	1,570	1,534
Total.	71,038	70,769	66,784	62,506	61,010	62,470	60,839	60,218	59,651	59,213	57,466

*World Trade Center disaster deaths are not included in 2001.

Table 10.

**Deaths by Decedent Ancestry* and Borough of Residence
New York City, 2004**

Ancestry	Borough of Residence						Non-Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Puerto Rican.	4,830	1,087	1,799	1,274	427	116	102	25
Dominican.	1,251	480	362	185	191	5	28	-
Colombian.	269	23	9	33	185	2	16	1
Ecuadorian.	272	34	50	48	129	4	6	1
Mexican.	192	28	36	51	62	9	5	1
Cuban.	456	156	73	61	131	5	29	1
Other Hispanic.	1,442	230	369	383	301	38	87	34
African-American.	11,211	2,336	2,465	3,706	2,069	188	392	55
American.	11,273	2,586	1,327	2,645	2,579	918	1,189	29
Guyanese.	548	9	68	220	222	4	22	3
Haitian.	478	37	12	267	127	3	31	1
Jamaican.	667	27	186	338	78	2	35	1
Trinidadian.	306	17	21	204	46	1	16	1
All Other North, Central and South American	928	77	154	480	162	10	41	4
English.	244	61	20	39	55	43	26	-
German.	1,110	254	102	92	480	94	85	3
Irish.	2,267	248	276	418	777	311	233	4
Italian.	5,713	365	597	1,888	1,479	1,002	373	9
Polish.	1,212	173	94	431	373	84	50	7
Russian.	1,075	99	63	647	203	38	21	4
Other European.	2,782	404	173	917	959	186	140	3
Asian Indian.	205	10	11	25	113	9	37	-
Bangladeshi.	60	3	9	21	25	1	1	-
Chinese.	1,539	511	28	424	492	27	55	2
Filipino.	190	23	13	13	100	23	18	-
Korean.	280	14	8	16	194	13	35	-
Pakistani.	86	4	5	33	34	3	7	-
Other Asian.	455	69	29	140	143	27	47	-
Jewish or Hebrew.	1,469	170	120	841	193	21	121	3
Other & Not Stated.	4,656	802	757	1,073	1,075	275	491	183
Total.	57,466	10,337	9,236	16,913	13,404	3,462	3,739	375

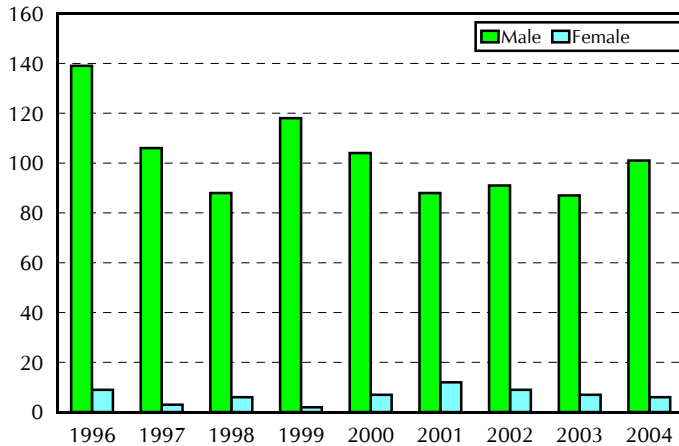
* See Technical Notes: Race, Ancestry, Ethnic Group and Birthplace.

Table 11.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 2004**

Characteristic	All Deaths	Sex		Age Group				
		Male	Female	<25	25-34	35-44	45-54	55+
Selected Events								
Transportation incident	17	17	0	3	1	7	3	3
Assaults and violent acts	44	41	3	6	10	10	10	8
Homicide	29	26	3	4	8	6	8	3
Shooting	17	15	2	2	6	5	3	1
Falls	24	23	1	1	4	5	5	9
Selected Industries *								
Construction	28	28	0	1	7	10	5	5
Taxicabs	2	2	0	0	0	0	1	1
Grocery stores	6	6	0	1	0	1	1	3
Eating and drinking places	12	10	2	2	3	2	3	2
Police and fire protection	5	5	0	1	0	4	0	0
Race / Ethnicity								
White	43	42	1	4	5	12	9	13
Black	21	20	1	1	4	4	6	6
Hispanic	33	30	3	6	8	12	2	5
Asian	10	9	1	0	1	3	3	3
Total	107	101	6	11	18	31	20	27

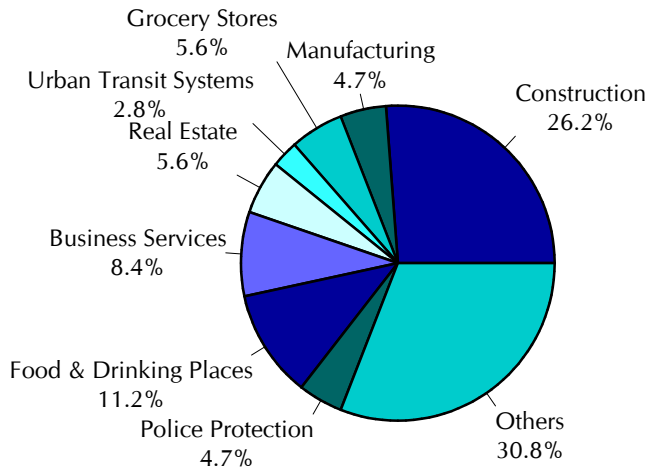
* Beginning in 2003, coding for industries was changed from Standard Industrial Classification (SIC) to North American Industry Classification System (NAICS). See Technical Notes: Fatal Occupational Injuries. Data reported in Table 11 and Figures 9 and 10 include all fatal injuries occurring in New York City regardless of the residence of decedents or location of the deaths, i.e. deaths occurring inside or outside of New York City.



**Figure 9. Fatal Occupational Injuries by Sex
New York City, 1996-2004**

Fatal occupational injuries remained near 100 deaths per year over the past five years, with 107 deaths in 2004. Males have a much higher percentage of fatal injuries than females, accounting for greater than 90% of overall occupational injury deaths during the past three years.

World Trade Center (WTC) deaths are homicides and are not included in this figure for the year 2001. See 2002 Annual Summary's Special Section on WTC deaths.



**Figure 10. Fatal Occupational Injuries
by Selected Industries
New York City, 2004**

Approximately one fourth of all fatal occupational injuries in New York City occurred in the construction industry. This industry continued to record the highest number of fatal work injuries among all industries in NYC and the nation. Other industries that also had high numbers of fatal occupational injuries in 2004 were Food and Drinking Places with 11.2% of occupational deaths, Business Services with 8.4%, Grocery Stores and Real Estate, each with 5.6%, Manufacturing and Police Protection, each with 4.7%, and Urban Transit Systems with 2.8%.

Table 12.

**Deaths by Decedent Birthplace and Borough of Residence
New York City, 2004**

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Bangladesh	80	3	15	22	35	2	3	-
China	1,368	475	25	377	419	20	50	2
Colombia	272	22	10	33	188	2	15	2
Cuba	465	158	72	68	132	6	28	1
Dominican Republic	1,231	472	357	185	185	5	26	1
Ecuador	269	34	49	49	127	4	5	1
El Salvador	78	7	9	17	28	-	16	1
Germany	537	185	60	47	201	15	28	1
Guyana	666	16	78	264	271	6	28	3
Haiti	577	44	11	346	140	4	30	2
Honduras	133	18	48	35	21	5	6	-
India	200	14	8	21	102	10	45	-
Ireland	391	49	93	57	135	18	39	-
Israel	95	8	4	41	26	4	12	-
Italy	1,401	63	175	493	397	193	78	2
Jamaica	1,046	56	282	445	204	3	56	-
Korea	278	14	8	17	191	13	35	-
Mexico	170	28	33	43	55	7	4	-
Pakistan	76	5	5	26	34	2	4	-
Philippines	196	24	16	17	98	24	17	-
Poland	1,047	143	96	488	249	23	41	7
Puerto Rico	4,153	935	1,602	1,086	349	98	64	19
Russia	747	89	70	390	160	22	15	1
Trinidad and Tobago	487	29	42	289	97	4	24	2
Ukraine	960	49	27	721	121	29	12	1
United States	33,933	6,226	5,157	9,236	7,728	2,709	2,767	110
Other	5,025	762	509	1,808	1,465	198	276	7
Not Stated	1,585	409	375	292	246	36	15	212
Total	57,466	10,337	9,236	16,913	13,404	3,462	3,739	375

Table 13.

**Deaths by Decedent Birthplace and Age
New York City, 2004**

Birthplace	Total	Age									Unknown
		<15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Bangladesh	80	1	3	1	7	19	21	18	9	1	-
China	1,368	-	9	17	29	86	108	247	443	429	-
Colombia	272	-	6	6	20	29	39	67	56	49	-
Cuba	465	-	-	-	6	37	39	93	166	124	-
Dominican Republic	1,231	3	24	31	88	165	187	259	270	204	-
Ecuador	269	2	4	13	27	29	45	53	48	48	-
El Salvador	78	-	6	3	9	13	10	14	13	10	-
Germany	537	-	1	1	2	10	30	37	170	286	-
Guyana	666	-	10	18	42	92	98	175	138	93	-
Haiti	577	1	5	12	29	64	92	139	139	96	-
Honduras	133	-	7	11	11	13	27	28	17	19	-
India	200	2	1	7	12	28	44	51	34	21	-
Ireland	391	1	3	3	3	3	26	63	98	191	-
Israel	95	2	3	2	4	15	17	23	20	9	-
Italy	1,401	-	-	-	7	30	94	199	460	611	-
Jamaica	1,046	4	22	36	64	126	160	202	237	195	-
Korea	278	1	2	8	10	38	39	63	67	50	-
Mexico	170	2	24	32	28	24	13	18	19	10	-
Pakistan	76	1	2	3	7	22	14	20	3	4	-
Philippines	196	-	-	3	3	18	42	44	44	42	-
Poland	1,047	-	3	8	16	51	48	60	256	605	-
Puerto Rico	4,153	3	14	32	150	400	783	920	1,051	800	-
Russia	747	-	2	7	6	27	47	89	184	385	-
Trinidad and Tobago	487	1	14	12	27	68	96	101	107	61	-
Ukraine	960	-	1	4	16	30	45	158	375	331	-
United States	33,933	983	467	615	1,591	3,056	4,053	5,302	8,933	8,933	-
Other	5,025	13	28	74	202	367	536	783	1,340	1,682	-
Not Stated	1,585	5	8	41	128	237	271	301	352	240	2
Total	57,466	1,025	669	1,000	2,544	5,097	7,024	9,527	15,049	15,529	2

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 2004

Table 14. 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+		Unknown		
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
Total	1,078	14	6	5	5	16	7	22	8	42	7	83	14	98	25	100	30	79	37	71	43	182	184	-	-	
Motor Vehicle																										
Injury to pedestrian	190	1	-	2	2	7	2	4	2	5	1	10	3	16	5	23	2	14	11	18	14	24	24	-	-	
Injury to pedal cyclist	6	-	-	-	-	1	1	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	
Injury to occupant	56	-	-	-	-	1	-	4	-	11	1	13	1	13	-	5	-	3	-	1	1	-	2	-	-	
Other motor vehicle accidents	97	2	1	-	-	1	2	6	3	9	1	21	2	10	1	11	3	5	3	4	2	8	2	-	-	
Railway (includes subway)	26	-	-	-	-	-	-	1	1	2	-	4	-	3	2	5	1	4	-	1	-	2	-	-	-	
Other land transport accidents	15	-	-	-	-	2	-	-	-	-	1	-	2	1	2	2	2	-	2	-	1	-	-	-	-	
Other transport accidents	9	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	-	2	-	1	-	-	-	-	
Fall	429	4	-	-	-	-	-	2	-	4	-	14	3	23	8	27	5	27	12	32	22	119	127	-	-	
Firearm discharge	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Drowning and submersion	22	4	1	-	-	-	-	3	-	2	-	5	1	1	-	1	-	-	-	1	-	1	1	-	-	
Smoke, fire and flames	73	1	1	1	1	2	-	-	1	-	1	2	1	3	1	5	6	5	6	6	1	10	19	-	-	
Poisoning by psychoactive substances	33	-	-	-	-	-	-	-	-	1	2	5	-	5	4	8	4	1	1	-	-	-	2	-	-	
Poisoning by other noxious substances	23	-	-	-	2	-	1	1	-	2	-	3	-	4	1	4	1	2	-	1	1	-	-	-	-	
Exposure to excessive natural heat	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Exposure to excessive natural cold	9	-	-	-	-	-	-	-	-	-	-	1	1	-	2	1	-	1	1	-	1	1	-	-	-	
Other nontransport accidents	88	2	3	2	-	3	1	-	1	4	1	4	2	15	2	6	4	10	3	2	2	15	6	-	-	

Table 15. Intentional Self-harm (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+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	493	-	-	-	-	1	4	23	5	38	11	60	23	75	21	63	21	50	16	29	6	32	15	-	-
Poisoning by noxious substances	82	-	-	-	-	-	2	-	1	2	2	6	10	10	11	7	8	7	7	3	-	2	4	-	-
Hanging, strangulation and suffocation	162	-	-	-	-	1	2	8	1	19	4	18	10	25	2	23	4	14	4	8	1	12	6	-	-
Drowning and submersion	15	-	-	-	-	-	1	-	2	1	3	-	2	-	-	1	3	1	-	1	-	-	-	-	
Firearm discharge	73	-	-	-	-	-	8	-	9	-	13	-	11	-	9	1	11	1	5	-	5	-	-	-	
Sharp or blunt object	18	-	-	-	-	-	-	-	-	-	3	1	3	-	4	-	3	-	-	1	3	-	-	-	
Jumping from high place	114	-	-	-	-	-	6	1	6	4	12	2	18	8	10	7	11	3	11	3	7	5	-	-	
Jumping or lying before moving object	25	-	-	-	-	-	-	2	-	-	5	-	5	-	8	-	1	-	2	-	2	-	-	-	
Other and unspecified means	4	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	1	-	-	-	

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 2004 (CONTINUED)

Table 16. Assault (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+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	608	9	4	-	-	2	4	64	6	121	8	125	29	84	21	65	14	22	6	13	2	5	4	-	-
Hanging, strangulation and suffocation	29	-	1	-	-	-	2	-	1	1	1	-	5	1	6	4	4	-	-	1	1	1	-	-	-
Firearm discharge	356	1	1	-	-	2	1	45	2	94	2	91	11	56	7	27	2	8	-	5	-	1	-	-	-
Smoke, fire and flames	13	-	1	-	-	-	1	-	-	1	-	3	-	-	2	2	-	1	-	1	-	1	-	-	-
Sharp or blunt object	116	-	-	-	-	-	-	13	3	20	4	22	6	12	3	16	3	5	1	3	1	-	4	-	-
Pushing from high place	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Bodily force	4	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
Neglect, abandonment & other maltreatment	6	5	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified means	65	3	1	-	-	-	-	3	-	3	1	4	5	8	3	14	4	7	5	2	-	2	-	-	-
Sequelae (Late effects)	8	-	-	-	-	-	-	-	-	-	-	-	-	4	-	2	-	1	-	1	-	-	-	-	-
Legal intervention, all	10	-	-	-	-	-	-	2	-	1	-	4	-	3	-	-	-	-	-	-	-	-	-	-	-

Note: All 10 Legal intervention deaths are from firearm discharge. See Technical Notes: External Causes of Death.

Table 17. Events of Undetermined Intent

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	234	26	20	-	-	-	-	3	1	8	4	24	3	26	14	29	11	23	12	7	5	7	10	1	-
Poisoning by noxious substances	27	1	-	-	-	-	-	-	-	-	-	1	1	3	4	2	4	3	5	-	2	-	1	-	-
Drowning and submersion	6	-	-	-	-	-	-	-	-	1	-	2	-	1	1	-	-	-	1	-	-	-	-	-	-
Firearm discharge	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Smoke, fire and flames	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Sharp or blunt object	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-
Falling from high place	12	-	-	-	-	-	-	1	-	3	2	2	-	2	-	1	-	1	-	-	-	-	-	-	-
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified means	182	25	20	-	-	-	-	2	1	3	2	19	2	19	7	26	7	19	6	6	3	6	9	-	-

Table 18. Complications of Medical and Surgical Care

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Complications of medical and surgical care	35	1	1	1	-	-	-	1	-	-	-	1	1	1	1	2	2	2	3	1	5	5	7	-	-

Table 19. Firearms (All Causes)

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Firearms (all causes)	442	1	1	-	-	2	1	55	2	104	2	109	11	71	7	36	3	19	1	11	-	6	-	-	-

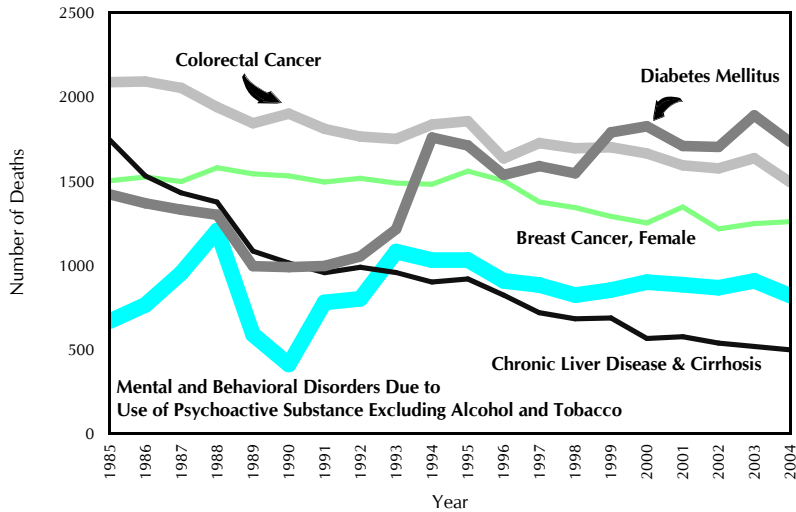


Figure 11. Number of Deaths from Selected Natural Causes New York City, 1985-2004

Figure 11 displays trends in selected natural causes of death. It shows that deaths due to these causes have decreased over the last two decades. The number of colorectal cancer deaths declined in the past two decades by 40%, from 2,089 to 1,495. Approximately 1500 women died from breast cancer annually between 1985 and 1997. Since then breast cancer deaths have decrease to 1,261 in 2004. Over the last two decades, the number of chronic liver disease and cirrhosis deaths has declined steadily with 500 deaths in 2004. After a surge in the early 1990s, death due to diabetes mellitus remained near 1700 deaths per year since 2000. Between 1993 and 1998, deaths due to Mental and Behavioral Disorders Due to Use of Psychoactive Substance Excluding Alcohol and Tobacco decreased and since 1998 remained near 800 deaths per year.

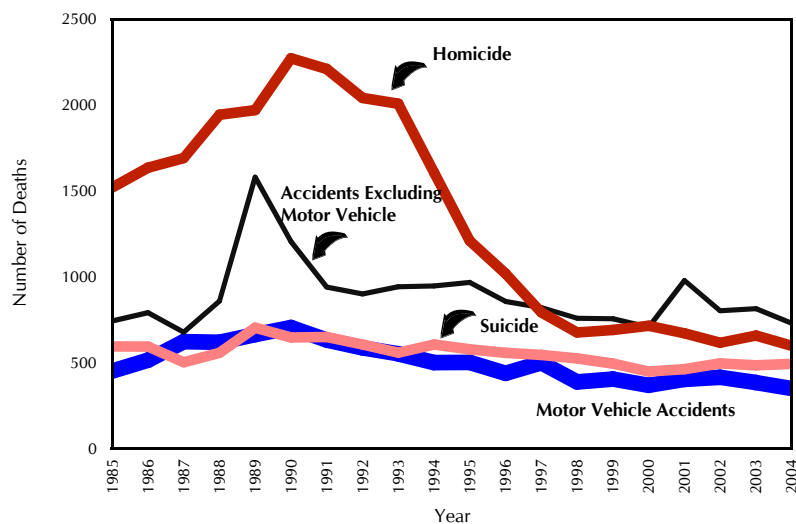


Figure 12. Number of Deaths from Selected External Causes New York City, 1985-2004

The number of homicide deaths has declined more than 70% since 1990 when it peaked at 2,272. The rate of decline has slowed since 1998 dropping from 675 to 598 (as low a number has not been seen since 1963 when there were 575 homicide deaths) in 2004. Suicide deaths have declined approximately 21% over the past two decades from 594 in 1985 to 493 in 2004; suicides peaked in 1989 with 703 deaths that year. Motor vehicle accidents deaths declined over 50%, from 704 in 1990 to 349 in 2004. The surge in non-motor vehicle accidental deaths in 2001 was caused by the Flight 587 air crash. Two-hundred sixty-five deaths from the crash are included in the total 2001 accidental deaths.

All reported WTC deaths are homicides and not included in this graph for the year of 2001. See Special Section in the 2002 Summary of Vital Statistics for detailed information on WTC deaths.

Table 20.

Deaths from HIV Disease by Sex, Age, and Ethnic Group*,

AGE GROUP/ETHNIC GROUP		ALL													
		1983-1994	1995	1996	1997	1998	1999	2000	2001	2002**	2003	2004	1983-1994	1995	1996
ALL AGES	Total	45,792	7,046	4,998	2,625	1,978	2,020	1,961	1,774	1,713	1,656	1,451	36,823	5,240	3,616
	Puerto Rican	7,890	1,514	1,105	571	381	404	413	369	359	323	300	6,048	1,082	784
	Other Hispanic	4,358	584	368	187	150	137	166	121	144	167	113	3,666	473	290
	Asian & Pacific Islander	295	54	27	20	12	13	13	8	14	8	6	263	52	23
	Other White	13,184	1,732	1,088	466	363	341	303	298	274	245	192	11,889	1,452	888
	Other Black	17,014	3,041	2,303	1,331	1,013	1,032	1,008	911	872	846	793	12,497	2,083	1,543
	Other & Unknown	3,051	121	107	50	59	93	58	67	50	47	2,460	98	88	
UNDER 1	Total	273	14	13	5	2	1	3	1	1	1	133	12	7	
	Puerto Rican	41	-	1	-	-	-	-	-	-	-	24	-	-	
	Other Hispanic	27	1	-	-	-	-	-	1	1	-	14	1	-	
	Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	1	-	-	
	Other White	39	3	5	-	1	-	-	-	-	-	23	3	4	
	Other Black	148	9	6	5	1	1	3	-	-	1	65	7	2	
	Other & Unknown	17	1	1	-	-	-	-	-	-	-	6	1	1	
1-14	Total	650	113	92	36	15	18	7	6	5	9	6	335	53	48
	Puerto Rican	119	20	16	8	3	-	1	-	-	-	1	63	9	9
	Other Hispanic	76	8	7	3	-	3	-	-	2	1	-	42	4	2
	Asian & Pacific Islander	5	1	-	-	-	-	-	-	-	-	-	3	-	-
	Other White	85	34	21	3	3	4	2	1	-	1	-	42	19	13
	Other Black	325	49	45	21	9	11	3	5	3	7	4	169	21	22
	Other & Unknown	40	1	3	1	-	-	1	-	-	-	16	-	2	
15-24	Total	808	72	33	23	20	21	22	24	20	18	15	518	38	15
	Puerto Rican	187	16	9	5	2	2	2	3	6	1	2	116	7	3
	Other Hispanic	95	9	5	2	1	1	2	2	3	4	-	72	5	2
	Asian & Pacific Islander	4	2	-	-	-	-	-	-	-	1	-	2	2	-
	Other White	129	13	4	2	2	1	1	1	2	-	1	88	8	3
	Other Black	337	30	12	13	13	17	17	18	9	12	11	206	15	6
	Other & Unknown	56	2	3	1	2	-	-	-	-	1	34	1	1	
25-34	Total	12,700	1,538	936	434	314	252	233	194	140	123	90	9,540	1,028	619
	Puerto Rican	2,584	367	220	95	55	56	55	31	24	20	12	1,877	237	148
	Other Hispanic	1,400	134	77	38	31	23	29	20	15	15	8	1,130	110	56
	Asian & Pacific Islander	58	16	5	5	2	2	1	1	1	-	1	49	16	3
	Other White	3,266	366	180	78	52	32	21	17	13	10	12	2,805	282	125
	Other Black	4,577	634	442	210	166	132	120	117	83	75	56	3,063	366	276
	Other & Unknown	815	21	12	8	8	7	7	8	4	3	616	17	11	
35-44	Total	19,992	3,119	2,134	1,099	778	767	695	638	624	568	467	16,388	2,308	1,517
	Puerto Rican	3,327	647	448	253	151	167	152	142	131	114	101	2,638	466	318
	Other Hispanic	1,721	241	152	79	69	58	60	40	62	60	33	1,486	192	121
	Asian & Pacific Islander	132	14	10	7	3	3	6	4	4	3	2	123	14	9
	Other White	5,885	812	496	216	160	152	121	118	101	85	71	5,363	682	396
	Other Black	7,607	1,356	988	527	375	353	339	309	312	281	250	5,699	917	646
	Other & Unknown	1,320	49	40	17	20	34	17	25	14	25	1,079	37	27	
45-54	Total	8,156	1,599	1,313	734	595	669	706	629	641	640	594	7,121	1,312	1,019
	Puerto Rican	1,258	347	306	156	119	133	140	133	125	127	127	1,031	269	229
	Other Hispanic	732	123	79	45	33	29	55	32	41	58	45	654	101	67
	Asian & Pacific Islander	70	14	6	4	4	2	3	1	6	4	2	65	14	5
	Other White	2,641	369	293	127	112	111	117	109	116	103	73	2,505	337	264
	Other Black	2,878	705	594	385	307	357	367	329	327	322	322	2,358	552	421
	Other & Unknown	577	41	35	17	20	37	24	25	26	25	508	39	33	
55 & OVER	Total	3,213	591	477	294	254	292	295	282	282	296	279	2,788	489	391
	Puerto Rican	374	117	105	54	51	46	63	60	73	61	57	299	94	77
	Other Hispanic	307	68	48	20	16	23	20	26	20	29	26	268	60	42
	Asian & Pacific Islander	25	7	6	4	3	6	3	2	3	-	1	20	6	6
	Other White	1,139	135	89	40	33	41	41	52	42	46	35	1,063	121	83
	Other Black	1,142	258	216	170	142	161	159	133	138	148	150	937	205	170
	Other & Unknown	226	6	13	6	9	15	9	9	6	12	201	3	13	

Note: 1983-1986, only AIDS was recognized as a cause of death and coded 279.1; from 1987 through 1998, AIDS as a cause of death was coded 042 and other HIV infections as a cause of death were coded 043-044. Under ICD-10, beginning in 1999, HIV disease as a cause of death is coded B20-B24. 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.

* Multiple race categories were introduced in January 2003 when New York City implemented a new death certificate form. Beginning in 2003 multiple races are included in "Other & Unknown" category in this table. See Technical Notes: Multiple Race.

**An HIV disease death was miscoded as a maternal cause in 2002. As a result of the correction, HIV disease deaths are increased by 1 in this table for the year of 2002.

New York City, 1983-2004

MALE								FEMALE											
1997	1998	1999	2000	2001	2002	2003	2004	1983-1994	1995	1996	1997	1998	1999	2000	2001	2002**	2003	2004	
1,850	1,358	1,372	1,333	1,166	1,138	1,100	943	8,969	1,806	1,382	775	620	648	628	608	575	556	508	
401	253	265	285	240	239	213	204	1,842	432	321	170	128	139	128	129	120	110	96	
154	114	98	123	95	104	113	79	692	111	78	33	36	39	43	26	40	54	34	
16	10	11	11	7	11	8	5	32	2	4	4	2	2	2	1	3	-	1	
369	285	247	236	219	207	181	146	1,295	280	200	97	78	94	67	79	67	64	46	
874	651	674	629	552	538	536	481	4,517	958	760	457	362	358	379	359	334	310	312	
36	45	77	49	53	39	49	28	591	23	19	14	14	16	9	14	11	18	19	
2	1	1	1	1	-	-	-	140	2	6	3	1	-	2	-	1	1	-	
-	-	-	-	-	-	-	-	17	-	1	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	13	-	-	-	-	-	-	-	1	-	-	
-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	
-	1	-	-	-	-	-	-	16	-	1	-	-	-	-	-	-	-	-	
2	-	1	1	-	-	-	-	83	2	4	3	1	-	2	-	-	1	-	
-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	
20	7	10	3	2	3	3	4	315	60	44	16	8	8	4	4	2	6	2	
5	2	-	-	-	-	-	-	56	11	7	3	1	-	1	-	-	-	1	
2	-	2	-	-	2	-	-	34	4	5	1	-	1	-	-	-	1	1	
-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	
2	1	2	2	1	-	1	-	43	15	8	1	2	2	-	-	-	-	-	
10	4	6	1	1	1	2	4	156	28	23	11	5	5	2	4	2	5	-	
1	-	-	-	-	-	-	-	24	1	1	-	-	-	1	-	-	-	-	
12	8	7	8	9	11	7	8	290	34	18	11	12	14	14	15	9	11	7	
3	-	-	1	-	3	1	1	71	9	6	2	2	2	1	3	3	-	1	
2	1	-	-	1	2	2	-	23	4	3	-	-	1	2	1	1	2	-	
-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	
2	1	-	-	-	2	-	1	41	5	1	-	1	1	1	1	-	-	-	
5	5	7	7	8	4	3	5	131	15	6	8	8	10	10	10	5	9	6	
-	1	-	-	-	-	-	1	22	1	2	1	1	-	-	-	-	-	-	
277	183	151	133	102	72	76	45	3,160	510	317	157	131	101	100	92	68	47	45	
61	29	34	30	15	10	12	5	707	130	72	34	26	22	25	16	14	8	7	
28	19	15	23	17	10	12	6	270	24	21	10	12	8	6	3	5	3	2	
5	1	1	-	1	1	-	1	9	-	2	-	1	1	1	-	-	-	-	
56	38	20	13	8	8	8	9	461	84	55	22	14	12	8	9	5	2	3	
122	90	76	62	58	41	43	23	1,514	268	166	88	76	56	58	59	42	32	33	
5	6	5	5	3	2	1	1	199	4	1	3	2	2	2	5	2	2	-	
754	498	489	456	387	383	330	280	3,604	811	617	345	280	278	239	251	241	238	187	
175	100	103	103	84	83	65	65	689	181	130	78	51	64	49	58	48	49	36	
63	52	42	40	27	41	32	23	235	49	31	16	17	16	20	13	21	28	10	
6	3	3	6	4	3	3	1	9	-	1	1	-	-	-	-	1	-	1	
165	118	104	95	80	67	55	53	522	130	100	51	42	48	26	38	34	30	18	
336	211	209	198	171	179	156	134	1,908	439	342	191	164	144	141	138	133	125	116	
9	14	28	14	21	10	19	4	241	12	13	8	6	6	3	4	4	6	6	
549	461	474	499	443	455	451	395	1,035	287	294	185	134	195	207	186	186	189	199	
120	83	88	102	98	86	91	91	227	78	77	36	36	45	38	35	39	36	36	
42	28	22	44	27	32	45	31	78	22	12	3	5	7	11	5	9	13	14	
3	4	2	3	-	6	4	2	5	-	1	1	-	-	-	1	-	-	-	
107	99	82	94	86	93	77	53	136	32	29	20	13	29	23	23	23	26	20	
262	230	250	234	211	215	216	203	520	153	173	123	77	107	133	118	112	106	119	
15	17	30	22	21	23	18	15	69	2	2	2	3	7	2	4	3	8	10	
236	200	240	233	222	214	232	211	425	102	86	58	54	52	62	60	68	64	68	
37	39	40	49	43	57	44	42	75	23	28	17	12	6	14	17	16	17	15	
17	14	17	16	22	17	22	19	39	8	6	3	2	6	4	4	3	7	7	
2	2	5	2	2	1	-	1	5	1	-	2	1	1	1	-	2	-	-	
37	27	39	32	44	37	40	30	76	14	6	3	6	2	9	8	5	6	5	
137	111	125	126	103	98	116	112	205	53	46	33	31	36	33	30	40	32	38	
6	7	14	8	8	4	10	7	25	3	-	-	2	1	1	1	2	2	3	

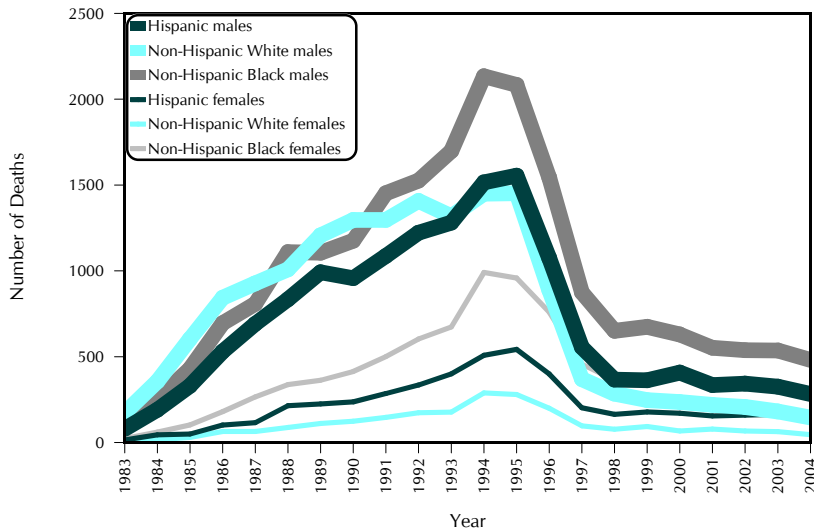


Figure 13. Deaths Due to HIV Disease by Sex and Selected Ethnic Group New York City, 1983-2004

The number of deaths due to HIV disease decreased 12.4% from 1,656 in 2003 to 1,451 in 2004, comparable to the 1985 level for AIDS alone at 1,663 before it peaked at 7,102 in 1994. The number of deaths among all ethnic groups decreased from 2003 to 2004, except among non-Hispanic black females.

The effect of changes between ICD-9 and ICD-10, implemented in 1999, can be determined by using the comparability ratio of 1.08.

See Technical Notes: HIV and AIDS Mortality.

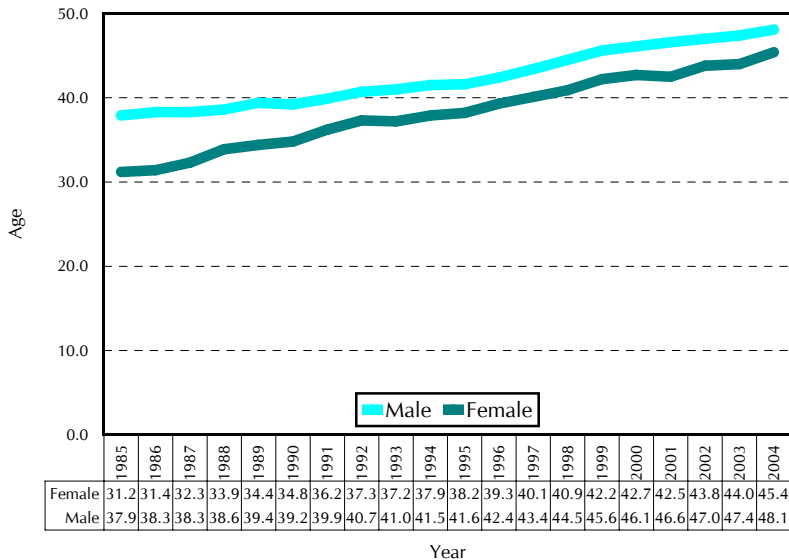


Figure 14. Mean Age at Death, HIV Disease Deaths by Sex New York City, 1985-2004

The mean age at death for men who died of HIV diseases was 48.1 in 2004, an increase of 10.2 years from 1985. The mean age at death for women increased 14.2 years from 1985 to 2004. Both men and women are living longer with HIV and dying at older ages, in part due to the natural aging of the epidemic and in part due to improved survival resulting from the widespread use of highly active antiretroviral therapy. Although the increase of mean age was steeper for women who died of HIV diseases in the past 20 years, they lived 2.7 fewer years than their male counterparts in 2004. Among those who died of HIV diseases, on average, men lived 19.2 fewer years and women lived 29.5 fewer years compared with overall deaths in New York City in 2004.

Table 21.

Characteristics of Decedents with Selected Causes of Death, New York City, 2004

Cause of Death	Total	Race/Ethnic Group*										Sex, Marital Status, and Age									
		Puerto Rican		Other Hispanic		Asian		Non-Hispanic White		Non-Hispanic Black		Other & Unknown		Male		Never Married		Age Under 20		Age 65 or Over	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Causes.....	57,466	4,830	8.4	3,882	6.8	2,575	4.5	29,770	51.8	14,859	25.9	1,550	2.7	27,622	48.1	12,787	22.3	1,267	2.2	40,105	69.8
HIV Disease.....	1,451	300	20.7	113	7.8	6	0.4	192	13.2	793	54.7	47	3.2	943	65.0	911	62.8	12	0.8	67	4.6
Cancer of Colon, Rectum and Anus.....	1,495	128	8.6	104	7.0	74	4.9	763	51.0	383	25.6	43	2.9	727	48.6	274	18.3	0	0.0	1,052	70.4
Cancer of Trachea, Bronchus and Lung, Male.....	1,727	115	6.7	93	5.4	126	7.3	971	56.2	373	21.6	49	2.8	1,727	100.0	302	17.5	0	0.0	1,141	66.1
Cancer of Trachea, Bronchus and Lung, Female.....	1,331	74	5.6	56	4.2	58	4.4	793	59.6	316	23.7	34	2.6	0	0.0	192	14.4	1	0.1	907	68.1
Cancer of Breast, Female.....	1,261	74	5.9	92	7.3	54	4.3	665	52.7	345	27.4	31	2.5	0	0.0	262	20.8	0	0.0	689	54.6
Cancer of Prostate.....	749	48	6.4	47	6.3	20	2.7	353	47.1	270	36.0	11	1.5	749	100.0	84	11.2	0	0.0	674	90.0
Chronic Liver Disease & Cirrhosis.....	500	116	23.2	64	12.8	17	3.4	179	35.8	113	22.6	11	2.2	351	70.2	152	30.4	0	0.0	171	34.2
Mental & Behavior Disorder Due to Use of Alcohol.....	275	23	8.4	40	14.5	7	2.5	109	39.6	83	30.2	13	4.7	225	81.8	98	35.6	0	0.0	52	18.9
Use & Accidental Poisoning Psychoactive Substance.....	855	138	16.1	88	10.3	7	0.8	346	40.5	251	29.4	25	2.9	628	73.5	453	53.0	6	0.7	18	2.1
Motor Vehicle Accidents.....	349	23	6.6	48	13.8	29	8.3	147	42.1	88	25.2	14	4.0	257	73.6	155	44.4	42	12.0	100	28.7
Accidental Falls.....	429	37	8.6	39	9.1	28	6.5	248	57.8	66	15.4	11	2.6	252	58.7	97	22.6	6	1.4	300	69.9
Other Accidents, Excluding Accidental Poisoning.....	267	18	6.7	39	14.6	16	6.0	116	43.4	73	27.3	5	1.9	183	68.5	109	40.8	35	13.1	78	29.2
Intentional Self-harm (Suicide).....	493	38	7.7	45	9.1	50	10.1	255	51.7	95	19.3	10	2.0	371	75.3	242	49.1	33	6.7	82	16.6
Assault (Homicide)**.....	598	53	8.9	101	16.9	16	2.7	80	13.4	329	55.0	19	3.2	500	83.6	412	68.9	87	14.5	24	4.0
Events of Undetermined Intent.....	234	16	6.8	27	11.5	9	3.8	103	44.0	66	28.2	13	5.6	154	65.8	129	55.1	50	21.4	29	12.4
All Other Causes.....	45,452	3,629	8.0	2,886	6.3	2,058	4.5	24,450	53.8	11,215	24.7	1,214	2.7	20,555	45.2	8,915	19.6	995	2.2	34,721	76.4

* Multiple races were introduced in January 2003 when New York City implemented a new death certificate form. Two or more races are included in "Other & Unknown" category in this table.

See Technical Notes: Multiple Race.

** In 2002 and earlier years, deaths from legal interventions were included in Homicide. Since then they are excluded from this table and can be seen as a separate cause of death in Tables 4 and 16.

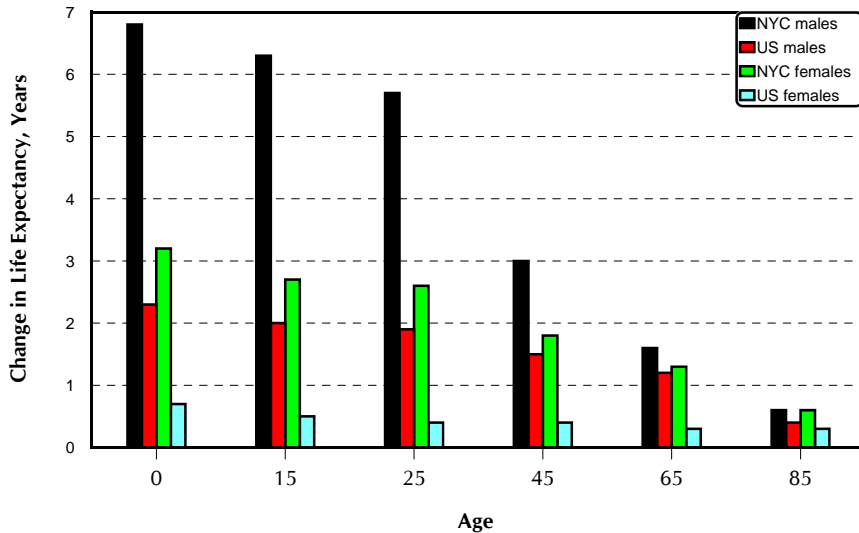
Table 22. Life Expectancy at Specified Ages by Sex and Ethnic Group, New York City, 1990 and 2000

Exact Age	Male							
	1990				2000*			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	67.7	70.5	70.0	60.0	74.5	76.1	74.9	69.1
1	67.6	70.0	70.1	60.3	74.0	75.4	74.5	69.0
5	63.8	66.2	66.2	56.5	70.1	71.4	70.6	65.1
10	58.8	61.2	61.3	51.6	65.2	66.5	65.7	60.2
15	53.9	56.3	56.4	46.7	60.2	61.5	60.8	55.3
20	49.4	51.7	51.6	42.4	55.4	56.6	55.9	50.6
25	45.0	47.4	46.9	38.3	50.7	51.9	51.2	46.1
30	40.7	43.4	42.3	34.4	46.0	47.1	46.4	41.6
35	36.7	39.8	38.1	30.9	41.3	42.5	41.7	37.2
40	33.1	36.5	34.1	28.0	36.8	37.9	37.1	32.9
45	29.4	33.2	30.1	25.0	32.4	33.6	32.7	28.8
50	25.7	29.6	26.2	21.8	28.3	29.5	28.5	25.2
55	22.1	26.1	22.3	18.8	24.4	25.6	24.4	21.8
60	18.6	22.5	18.7	15.9	20.6	21.8	20.5	18.4
65	15.4	19.1	15.3	13.2	17.0	18.2	16.9	15.3
70	12.4	16.1	12.2	10.9	13.8	14.9	13.6	12.6
75	9.7	13.2	9.5	8.8	10.8	12.0	10.6	10.2
80	7.3	10.5	7.1	7.0	8.2	9.4	7.9	8.2
85	5.5	8.2	5.2	5.4	6.1	7.3	5.7	6.6

Exact Age	Female							
	1990				2000*			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	77.0	81.7	77.9	72.2	80.2	82.6	80.4	76.5
1	76.9	81.2	77.9	72.5	79.7	81.9	79.9	76.2
5	73.1	77.4	74.0	68.7	75.8	77.9	76.0	72.3
10	68.1	72.4	69.1	63.9	70.8	72.9	71.1	67.4
15	63.2	67.5	64.1	58.9	65.9	68.0	66.1	62.4
20	58.3	62.6	59.2	54.1	61.0	63.0	61.2	57.5
25	53.5	57.9	54.3	49.4	56.1	58.1	56.4	52.7
30	48.8	53.2	49.5	44.8	51.2	53.2	51.4	47.9
35	44.2	48.7	44.8	40.6	46.4	48.4	46.6	43.3
40	39.8	44.2	40.1	36.5	41.7	43.7	41.8	38.8
45	35.3	39.6	35.5	32.4	37.1	39.1	37.2	34.4
50	30.9	35.2	31.0	28.3	32.6	34.5	32.6	30.3
55	26.6	30.9	26.6	24.3	28.3	30.0	28.2	26.3
60	22.6	26.6	22.6	20.6	24.1	25.7	23.9	22.4
65	18.8	22.6	18.7	17.3	20.1	21.5	19.9	18.8
70	15.2	18.8	15.1	14.2	16.4	17.7	16.1	15.5
75	12.0	15.3	11.8	11.4	12.9	14.1	12.6	12.5
80	9.0	11.9	8.7	8.8	9.7	10.8	9.4	9.8
85	6.4	8.8	6.2	6.5	7.0	7.9	6.7	7.3

Note: Three year (1999-2001) death data are used to estimate 2000 life expectancy to smooth the outcome. Life expectancy figures for 1990 are recalculated by using same methodology as 2000 and therefore the numbers are slightly different from the 1999 and earlier reports. See Technical Notes.

* World Trade Center (WTC) disaster deaths are not included. See Special Section in 2002 Summary of Vital Statistics, Table WTC10 for the impact of WTC deaths on life expectancy in New York City. See Technical Notes: World Trade Center Deaths.



**Figure 15. Changes in Life Expectancy at Selected Ages by Sex, 1990 and 2000
New York City and United States**

Between 1990 and 2000, in contrast to the prior decade, life expectancy for male New York City residents at birth, at ages 15 and 25 increased substantially. The increases are 6.8, 6.3, and 5.7 years respectively. Contributing factors include declines in infant mortality, HIV, and homicide deaths. Life expectancy for all United States males at these ages also increased but at lower rates, from 1.9 to 2.3 years. Life expectancy for New York City females increased more than for all United States females. At selected older ages New York City male residents also showed greater increases in life expectancy than did males nationwide but not as much as younger ages. Nationwide, females had a small increase in life expectancy at all ages.
Note: Calculations exclude World Trade Center deaths.

Table 22a.

Life Expectancy at Specified Ages by Sex, New York City, 1999-2003

	Male					Female				
	1999	2000	2001*	2002	2003	1999	2000	2001*	2002	2003
0	74.1	74.5	74.8	74.9	75.1	79.9	80.4	80.4	80.6	80.7
1	73.7	74.0	74.2	74.4	74.6	79.4	79.9	79.8	80.1	80.2
5	69.8	70.1	70.3	70.5	70.7	75.5	76.0	75.9	76.1	76.3
10	64.8	65.1	65.4	65.5	65.7	70.5	71.0	70.9	71.2	71.3
15	59.9	60.2	60.4	60.6	60.8	65.6	66.0	66.0	66.2	66.4
20	55.1	55.4	55.6	55.7	56.0	60.7	61.1	61.1	61.3	61.5
25	50.4	50.7	50.9	51.0	51.2	55.8	56.2	56.2	56.4	56.5
30	45.7	46.0	46.2	46.3	46.5	50.9	51.4	51.3	51.5	51.6
35	41.0	41.3	41.5	41.6	41.8	46.1	46.6	46.5	46.7	46.8
40	36.5	36.8	37.0	37.0	37.2	41.4	41.9	41.8	42.0	42.1
45	32.2	32.4	32.6	32.6	32.8	36.8	37.3	37.2	37.4	37.5
50	28.1	28.3	28.5	28.5	28.6	32.3	32.8	32.8	32.9	33.0
55	24.1	24.4	24.6	24.5	24.7	28.0	28.4	28.4	28.6	28.6
60	20.3	20.6	20.8	20.8	20.9	23.8	24.1	24.3	24.4	24.4
65	16.7	17.0	17.2	17.2	17.4	19.8	20.1	20.3	20.4	20.5
70	13.5	13.8	13.9	13.9	14.0	16.1	16.4	16.5	16.6	16.7
75	10.7	10.8	10.9	11.0	10.9	12.7	12.9	12.9	13.0	13.1
80	8.1	8.3	8.3	8.3	8.3	9.7	9.8	9.8	9.7	9.8
85	6.0	6.1	6.1	6.2	6.2	7.0	7.1	7.0	7.0	7.1

Note: Three year (1999-2001) death data are used to estimate 2000 life expectancy in Table 22 while single year death data are used in this Table. As a result, life expectancy estimates for 2000 are slightly different from Table 22. Life expectancy for year 2004 is not presented since national data are required and are not yet available.

* Calculations exclude World Trade Center deaths.

Table 22b.

**Years of Potential Life Lost (YPLL) Before Age 75
By Sex and By Selected Causes of Death, New York City, 2004**

Cause of Death	YPLL		
	Male	Female	All
Malignant neoplasms	59,687	60,868	120,555
Trachea, bronchus and lung	13,836	10,108	23,944
Breast	31	14,103	14,134
Colon, rectum and anus	6,018	4,980	10,998
Cervix uteri	.	2,198	2,198
Diseases of heart	57,421	33,173	90,594
HIV disease	25,423	15,020	40,443
Use of or poisoning by psychoactive substance	19,266	7,057	26,323
Assault (Homicide)	21,368	3,893	25,261
Accidents except poisoning by psychoactive substance	16,672	4,739	21,411
Motor vehicle	8,165	1,848	10,013
Intentional self-harm (Suicide)	11,354	3,733	15,087
Cerebrovascular diseases	7,251	5,688	12,939
Diabetes mellitus	7,678	5,053	12,731
Influenza and pneumonia	6,902	4,922	11,824
Chronic lower respiratory diseases	4,510	4,615	9,125
Chronic liver disease and cirrhosis	6,102	2,074	8,176
Mental and behavioral disorders due to use of alcohol	4,891	1,139	6,030
All other causes	70,261	58,820	129,081
Total	318,786	210,794	529,580

Note: Years of potential life lost (YPLL) is defined as the number of years of life lost among persons who die before a predetermined age.
See Technical Notes for detailed calculation.

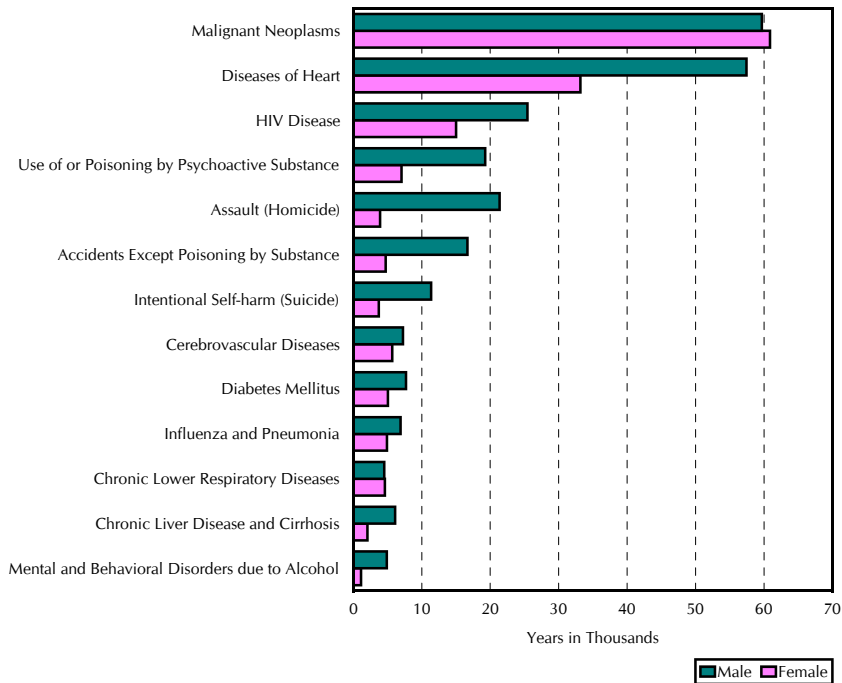


Figure 16. Years of Potential Life Lost (YPLL) Before Age 75 by Sex New York City, 2004

Malignant neoplasms (cancers) and diseases of the heart, the two leading causes of death are responsible for approximately 40% of YPLL in NYC. Cancer, the second leading cause of death, is responsible for the greatest number of YPLL, 120,555 in 2004, while diseases of the heart, the first leading cause of death accounts for 90,594 YPLL.

While cancer is responsible for similar numbers of YPLL for both women and men, fewer years are lost from reproductive cancers among men and more years are lost from cancer of the trachea, bronchus, lung, colon, rectum and anus among men. Cancers of the trachea, bronchus, lung, breast, colon, rectum, anus and cervix uteri account for 43% of cancer YPLL among men and women.

For many of the most frequent causes of death, more than twice the number of YPLL are lost to men than women. Sixty percent of the 90,594 YPLL due to diseases of the heart are lost to men (57,421 YPLL) vs. 40% to women (33,173 YPLL). Sixty-three percent of YPLL to AIDS are lost to men vs. 47% to women; 73% of YPLL to use of or poisoning by psychoactive substance are lost to men vs. 27% to women; 85% of YPLL to assault (Homicide) are lost to men vs. 15% to women; 78% of YPLL to accidents except poisoning by psychoactive substance (includes motor vehicle accidents) are lost to men vs. 22% to women; 75% of YPLL to intentional self-harm (Suicide) are lost to men vs. 25% to women; 75% of YPLL to Chronic Liver Disease and Cirrhosis are lost to men vs. 25% to women; and 81% of YPLL to mental and behavioral disorders due to use of alcohol are lost to men vs. 19% to women.

Table 23. Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-2001

See Note

Age	1909-1911		1919-1920		1929-1931		1939-1941		1949-1951		1959-1961		1969-1971		1979-1981		1989-1991		1999-2001*	
	Male	Female	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	1.9	1.5
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	0.2	0.1
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	0.2	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	0.7	0.3
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	1.2	0.4
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	1.2	0.5
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	1.6	0.8
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	2.4	1.4
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	3.9	2.1
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	6.1	3.1
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	8.1	4.2
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	11.2	6.3
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	15.6	9.4
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	23.5	14.5
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	34.4	21.2
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	52.3	33.9
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	80.6	55.3
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	150.9	130.2

Note: Rates for 1979-1981, 1989-1991, and 1999-2001 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: Life Expectancy, Age Specific and Adjusted Death Rates. *World Trade Center deaths are not included. See Technical Notes: World Trade Center Deaths.

Table 24. Average Yearly Age-Sex-Race Adjusted Death Rates for Selected Causes per 100,000 Population New York City, 1901-2001

See Note

Cause of Death	1901-1903	1909-1911	1919-1920	1929-1931	1939-1941	1949-1951	1959-1961	1969-1971	See Note		1999-2001**
									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	799.6
Influenza and pneumonia	302.8	260.8	301.7	178.6	60.3	30.7	36.4	29.0	15.2	22.2	33.2
Malignant neoplasms	116.8	124.8	134.3	156.0	176.9	170.6	162.9	161.2	126.0	128.0	178.4
Colon, rectum and anus	*	*	*	*	*	*	*	*	*	*	21.3
Trachea, bronchus and lung	*	*	*	*	*	*	*	*	*	*	40.8
Breast	*	*	*	*	*	*	*	*	*	*	16.7
Prostate	*	*	*	*	*	*	*	*	*	*	10.7
Diabetes mellitus	23.3	25.4	26.5	35.8	43.6	17.0	14.8	15.9	10.3	7.1	22.9
Nephritis, nephrotic syndrome and nephrosis	244.8	181.9	141.6	63.3	52.6	6.7	5.5	3.5	2.3	4.9	11.1
Major cardiovascular diseases	258.6	383.2	427.7	506.7	421.1	404.8	355.8	306.6	239.1	228.7	372.9
Chronic liver disease and cirrhosis	*	*	*	*	*	*	*	*	23.5	11.8	7.8
Chronic lower respiratory diseases	*	*	*	*	*	*	*	*	9.3	13.1	23.0
HIV disease	*	*	*	*	*	*	*	*	*	56.6	23.6
Total accidents	108.2	87.8	73.8	81.3	55.9	38.4	28.1	22.7	18.2	21.6	20.6
Motor vehicle accidents	*	*	14.9	22.6	12.8	7.3	7.7	11.0	8.4	9.4	3.4
Other accidents	*	*	58.9	58.7	43.1	31.0	20.3	11.6	9.8	12.1	17.2
Intentional self-harm (suicide)	26.8	21.2	14.1	21.3	14.3	9.7	9.2	6.4	9.4	9.0	5.4
Assault (homicide)	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	21.8	22.6	8.3

Note: Rates for 1979-1981, 1989-1991, and 1999-2001 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.

For 1901-1903 and 1909-1911 rates are adjusted for age and sex. For years before 1999, rates are adjusted for age, sex and race (white and others). Standard is United States population, 1940.

* Data are not available or not applicable.

** For 1999-2001 rates are adjusted only for age. A 2000 US standard population is used to calculate age-adjusted death rates. See Technical Notes: Life Expectancy, Age Specific and Adjusted Rates. World Trade Center Deaths are not included. See Technical Notes: World Trade Center Deaths.

Table 25.

Deaths and Crude Death Rates per 100,000 Population from

Cause (ICD-10 Codes (1))	ANNUAL											
	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1950	1951-1955	1956-1960
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 ratio (2)	**	**	**	**	**	**	**	44.7	39.1	35.1	31.3	30.2
Pregnancy, childbirth and the puerperium (O00-O99)	**	**	**	**	**	**	**	**	**	**	**	**
Rate per 100,000 live births.												
Maternal causes *** (A34,O00-O95,O98-O99)	694	745	694	664	689	651	608	372	255	178	115	102
Rate per 100,000 live births.	538.0	517.4	493.7	487.9	528.1	518.4	572.6	363.2	201.6	110.8	72.6	62.3
Respiratory tuberculosis (A16).	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 (A17-A19).	**	**	**	**	**	**	**	**	**	225	174	97
Rate.										2.9	2.2	1.2
Human immunodeficiency virus disease (B20-B24) (3)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												
Malignant neoplasms (C00-C97).	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 (C33-C34).	**	**	**	**	**	**	**	**	**	828	847	1,021
Rate.										21.9	22.2	27.0
Trachea, bronchus and lung, female (C33-C34).	**	**	**	**	**	**	**	**	**	220	179	228
Rate.										5.5	4.4	5.6
Colon, rectum and anus (C18-C21).	**	**	**	**	**	**	**	**	**	**	**	**
Rate.												
Breast, female (C50).	**	**	**	**	**	**	**	**	**	1,429	1,476	1,517
Rate.										35.9	36.4	37.3
Diabetes mellitus (E10-E14).	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
Major cardiovascular diseases (I00-I78).	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 (I60-I69).	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
Influenza & Pneumonia (J10-J18).	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 (J00-J06, J20-J99).	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 (K70, K73-K74).	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. (N00-N07, N17-N19, N25-N27).	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
Use of psychoactive substance (F11-F16, F18-F19).	**	**	**	**	**	**	**	**	**	**	**	81
Rate.												1.0
Accidental drug poisoning (X40-X42, X44)	**	**	**	**	**	**	**	**	**	**	**	**
Rate.												
Motor vehicle accidents (4)	**	**	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 V01-X59, Y85-Y86).	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
Intentional self-harm (Suicide) (X60-X84, Y87.0).	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
Assault (Homicide) (X85-Y09, Y87.1).	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
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	**	**	**	**	**	**	**	**	**	**	**	**
Rate.												
Alzheimer's disease (G30)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												
Asthma (J45-J46)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												

(1) Numbers following causes are codes of the International Classification of Diseases, Tenth Revision. Comparability ratios in bold are changed from preliminary ones.
(2) Perinatal mortality ratio: see rates and ratios section for a definition.
(3) AIDS was first reported as a cause of death in 1982, and coded 279.1 until 1986. From 1987 through 1998, HIV infections were coded 042-044. Under ICD-10, beginning in 1999, HIV disease is coded to B20-B24. See the Technical Notes for a discussion of HIV disease and AIDS as the cause of death.
(4) Motor vehicle accident codes include V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.
(5) Data for 1982-1985.
(6) Rate less than 0.05.
* World Trade Center (WTC) deaths are not included in 2001. See 2002 Annual Summary's Special Section on WTC deaths in 2002 Summary of Vital Statistics for detailed statistics.
** Data are not available or not applicable.
*** Excludes deaths occurring more than 42 days after the termination of pregnancy and includes obstetrical tetanus (ICD-10 codes: A34, O00-O95, O98-O99).
In 2000-2002 Summary, the codes was mistakenly labeled as "A34, O00-O96,O98-O99" in this Table. See Technical Notes for detailed description of maternal death.
Rates for intercensal years are not adjusted for intercensal population changes.

Selected Causes, New York City, 1901-2004

AVERAGE																		Comparability Ratio
1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996	1997	1998	1999	2000	2001*	2002	2003	2004		
4,290	4,333	3,477	2,312	1,875	1,624	1,691	1,339	992	881	843	848	839	760	742	807	760		
25.7	26.2	23.6	19.9	17.4	14.4	12.8	10.0	7.8	7.1	6.8	6.9	6.7	6.1	6.0	6.5	6.1		
3,220	3,226	2,602	1,714	1,333	1,097	1,159	912	656	605	593	606	583	524	497	542	516		
19.3	19.5	17.7	14.8	12.3	9.7	8.8	6.8	5.2	4.9	4.8	4.9	4.6	4.2	4.0	4.4	4.2		
2,909	2,922	2,351	1,480	1,131	927	972	753	528	459	475	474	455	409	379	432	377		
17.4	17.7	16.0	12.8	10.5	8.2	7.4	5.6	4.2	3.7	3.8	3.8	3.6	3.3	3.1	3.5	3.0		
2,362	2,276	1,885	1,288	835	719	698	686	580	507	505	490	507	444	460	410	419		
14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.1	4.6	4.1	4.1	4.0	4.0	3.6	3.7	3.3	3.4		
31.1	31.0	28.4	23.6	18.1	14.5	12.6	10.6	8.7	7.8	7.9	7.8	7.6	6.9	6.8	6.7	6.4		
**	**	**	**	**	**	**	**	**	**	**	**	26	34	43	32	29	29	
107	109	73	36	28	33	29	26	22	17	16	24	27.1	34.7	26.0	23.3	23.4		
64.1	66.0	49.6	31.1	25.9	29.2	22.3	19.2	17.3	13.8	12.9	19.4	23.9	33.1	26.0	17.7	22.6		
824	624	432	235	141	125	174	135	46	44	33	37	37	30	26	26	26	0.94	
10.6	8.0	5.5	3.1	2.0	1.7	2.4	1.8	0.6	0.6	0.5	0.5	0.5	0.4	0.3	0.3	0.3		
52	43	39	32	22	35	55	34	21	11	19	12	7	3	4	8	5	0.70	
0.7	0.6	0.5	0.4	0.3	0.5	0.8	0.5	0.3	0.2	0.3	0.2	0.1	0.0	0.0	0.1	0.1		
**	**	**	**	**	768 (5)	3,703	6,257	4,998	2,625	1,978	2,020	1,961	1,774	1,713	1,656	1,451	1.08	
					10.7	50.9	83.2	68.3	35.8	27.0	27.6	24.5	22.2	21.4	20.7	18.1		
16,869	17,398	17,814	17,315	16,549	15,889	15,612	15,191	14,591	14,194	14,454	14,334	14,100	14,041	13,742	13,826	13,611	1.01	
216.1	222.1	226.3	226.3	228.7	222.3	214.7	201.9	199.3	193.8	197.4	195.8	176.1	175.3	171.6	172.6	170.0		
1,157	1,294	1,890	2,434	2,387	2,217	2,201	2,083	1,967	1,859	1,849	1,782	1,790	1,746	1,708	1,738	1,727	0.98	
30.9	34.8	51.0	68.1	71.0	66.7	64.4	60.6	57.2	54.1	53.8	51.8	47.2	46.0	45.0	45.8	45.5		
261	303	474	777	970	1,169	1,315	1,426	1,420	1,333	1,472	1,467	1,390	1,426	1,413	1,436	1,331	0.99	
6.4	7.4	11.4	19.1	25.0	30.6	33.9	36.7	36.6	34.3	37.9	37.8	33.0	33.8	33.5	34.1	31.6		
**	**	**	**	**	**	**	1,805	1,636	1,727	1,697	1,702	1,665	1,595	1,577	1,638	1,495	1.00	
							24.0	22.3	23.6	23.2	23.2	20.8	19.9	19.7	20.5	18.7		
1,573	1,694	1,787	1,723	1,622	1,533	1,537	1,510	1,504	1,378	1,344	1,292	1,253	1,348	1,218	1,249	1,261	1.01	
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	38.7	35.5	34.6	33.3	29.7	32.0	28.9	29.6	29.9		
1,581	1,789	1,867	2,064	1,547	1,436	1,198	1,348	1,538	1,590	1,548	1,791	1,827	1,710	1,704	1,891	1,734	1.02	
20.3	22.9	23.7	27.0	21.4	20.1	16.5	17.9	21.0	21.7	21.1	24.5	22.8	21.4	21.3	23.6	21.7		
38,988	39,943	41,981	40,639	37,978	37,818	33,527	32,074	30,995	29,642	28,755	29,157	28,101	27,407	27,638	26,992	25,687	1.00	
499.5	510.2	532.4	531.1	524.8	529.1	461.0	426.4	423.3	404.8	392.7	398.2	350.9	342.2	345.1	337.1	320.8		
6,013	6,174	6,277	5,433	4,174	3,194	2,927	2,256	2,114	2,119	1,998	2,101	1,960	1,887	1,854	1,855	1,794	1.05	
77.0	78.9	79.7	71.0	57.7	44.7	40.2	30.0	28.9	28.9	27.3	28.7	24.5	23.6	23.2	23.2	22.4		
3,459	3,394	3,562	3,164	3,000	2,740	3,354	2,810	2,702	2,618	2,680	2,474	2,267	2,505	2,508	2,692	3,003	0.70	
44.3	43.4	45.2	41.4	41.5	38.3	46.1	37.4	36.9	35.8	36.6	33.8	28.3	31.3	31.3	33.6	37.5		
651	960	1,425	1,627	1,583	1,941	2,507	1,943	1,951	1,933	1,993	2,195	2,054	2,118	2,092	2,013	2,052		
8.3	12.3	18.1	21.3	21.9	27.2	34.5	25.8	26.6	26.4	27.2	30.0	25.6	26.4	26.1	25.1	25.6		
1,858	2,386	2,936	2,440	2,185	1,789	1,289	946	825	720	684	689	568	578	540	520	500	1.03	
23.8	30.5	37.3	31.9	30.2	25.0	17.7	12.6	11.3	9.8	9.3	9.4	7.1	7.2	6.7	6.5	6.2		
573	509	447	372	381	383	816	311	296	378	413	882	853	800	711	635	592	1.26	
7.3	6.5	5.7	4.9	5.3	5.4	11.2	4.1	4.0	5.2	5.6	12.0	10.7	10.0	8.9	7.9	7.4		
96	263	551	677	414	573	787	947	909	885	825	855	902	887	869	909	855		
1.2	3.4	7.0	8.8	5.7	8.0	10.8	12.6	12.4	12.1	11.3	11.7	11.3	11.1	10.9	11.4	10.7		
**	**	**	**	**	1	143	49	36	19	18	26	30	22	36	51	33		
					(6)	2.0	0.7	0.5	0.3	0.2	0.4	0.4	0.3	0.4	0.6	0.4		
655	714	887	834	606	477	624	554	438	499	387	404	368	402	414	384	349	0.95	
8.4	9.1	11.3	10.9	8.4	6.7	8.6	7.4	6.0	6.8	5.3	5.5	4.6	5.0	5.2	4.8	4.4		
1,095	951	871	755	525	486	589	508	479	432	390	**	**	**	**	**	**		
14.0	12.1	11.1	9.9	7.3	6.8	8.1	6.8	6.5	5.9	5.3								
2,091	1,947	1,730	1,239	926	812	880	394	341	369	350	729	676	956	766	763	696		
26.8	24.9	22.0	16.2	12.8	11.4	12.1	5.2	4.7	5.0	4.8	10.0	8.4	11.9	9.6	9.5	8.7		
711	908	680	641	711	603	600	599	557	545	524	494	448	462	495	484	493	1.00	
9.1	11.6	8.6	8.4	9.8	8.4	8.3	8.0	7.6	7.4	7.2	6.7	5.6	5.8	6.2	6.0	6.2		
366	592	992	1,663	1,700	1,763	1,902	1,815	1,018	793	675	690	714	670	616	657	598	1.00	
4.7	7.6	12.6	21.7	23.5	24.7	26.2	24.1	13.9	10.8	9.2	9.4	8.9	8.4	7.7	8.2	7.5		
**	**	946	1,062	699	696	504	161	153	159	135	153	155	206	261	189	234		
		10.9	13.9	9.7	9.7	6.9	2.0	2.1	2.2	1.8	2.1	1.9	2.6	3.3	2.4	2.9		
**	**	**	**	**	**	**	84	77	74	82	132	211	172	230	249	242	1.58	
							1.2	1.1	1.0	1.1	1.8	2.6	2.1	2.9	3.1	3.0		
**	**	**	**	**	**	**	269	273	235	250	244	213	215	205	205	180	0.89	
							3.7	3.7	3.2	3.4	3.3	2.7	2.7	2.6	2.6	2.2		

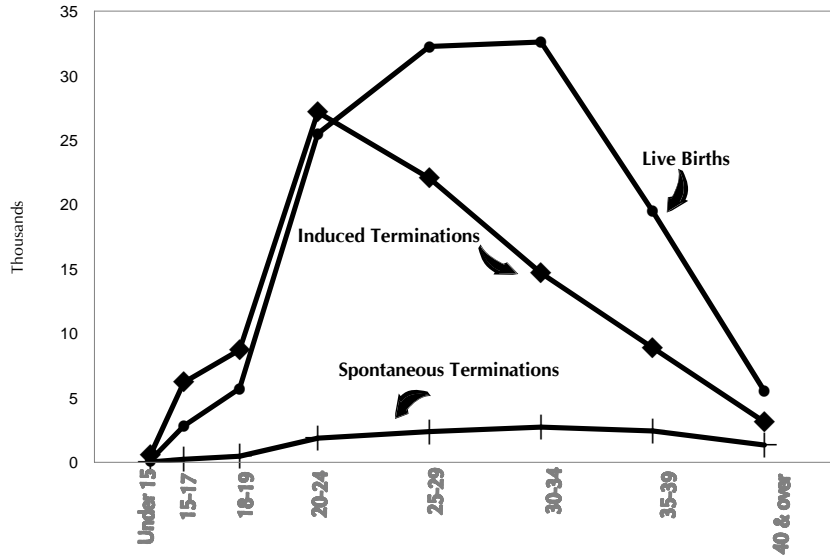


Figure 17. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman, New York City, 2004

Over 227,000 pregnancy outcomes were reported in New York City in 2004. About 55% were live births, 40% were induced terminations, and the remainder were spontaneous terminations (fetal deaths). The proportion of pregnancies ending in an induced termination is the highest among younger women, and stabilizes at around 30% at age 30. For women under the age of 25, the pregnancy outcome is more likely to be an induced termination than a live birth or spontaneous termination. The number of induced and spontaneous terminations reported to the Department of Health and Mental Hygiene depends to some extent on active surveillance, notwithstanding that all terminations, not just those of a certain gestational age or weight, are required to be reported.

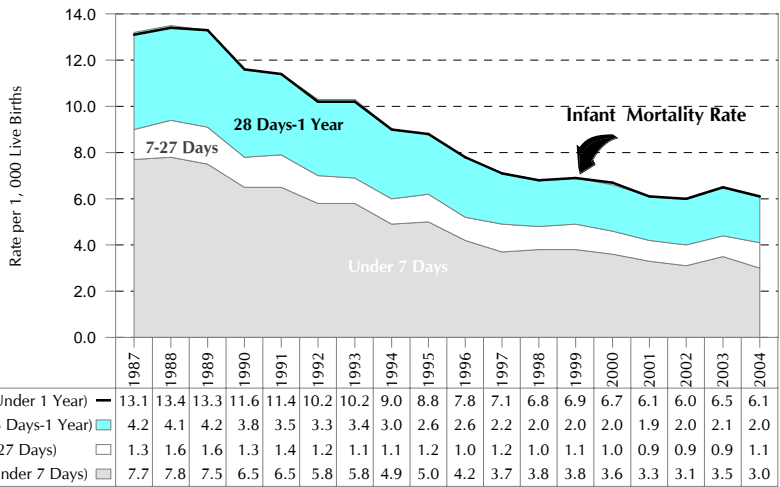


Figure 18. Infant, Neonatal and Post-neonatal Mortality Rates, New York City, 1987-2004

The New York City Infant Mortality Rate decreased from 6.5 in 2003 to 6.1 deaths per 1,000 live births in 2004, nearly returning to its historical low of 6.0 in 2002. Deaths in the early neonatal period after birth (under seven days) were 3.0 per 1,000 live births. Late neonatal (seven to twenty-seven days), and post-neonatal (twenty eight days to under one year) IMR stayed at about the same level as 2002. From 1987 to 2004, the rates of both early neonatal deaths and post-neonatal deaths declined by more than half, while the rate for late neonatal deaths declined by about 15 percent.

Note: See Special Section on Perinatal Periods of Risk (PPOR) approach to understand fetal-infant mortality (page 62).

Table 26.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 2004**

Borough of Residence / Pregnancy Outcome	Total	Age of Woman								Unknown or Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
NEW YORK CITY	227,425	734	9,267	14,922	54,545	56,690	50,052	30,817	10,025	373
Live Births	124,099	150	2,824	5,728	25,503	32,263	32,617	19,481	5,531	2
Spontaneous Terminations	11,653	34	247	473	1,883	2,389	2,743	2,443	1,346	95
Induced Terminations	91,673	550	6,196	8,721	27,159	22,038	14,692	8,893	3,148	276
MANHATTAN	35,344	120	1,351	2,174	7,137	7,699	8,828	5,925	2,059	51
Live Births	20,357	31	407	786	3,025	4,178	6,228	4,310	1,392	-
Spontaneous Terminations	1,598	5	39	65	187	227	416	403	241	15
Induced Terminations	13,389	84	905	1,323	3,925	3,294	2,184	1,212	426	36
BRONX	43,587	176	2,556	3,782	12,435	11,109	7,713	4,447	1,284	85
Live Births	20,854	38	907	1,597	5,517	5,547	4,292	2,343	613	-
Spontaneous Terminations	2,139	14	68	127	465	485	436	369	155	20
Induced Terminations	20,594	124	1,581	2,058	6,453	5,077	2,985	1,735	516	65
BROOKLYN	72,970	243	2,886	4,813	19,184	19,239	14,886	8,715	2,860	144
Live Births	39,411	46	864	1,917	9,677	11,056	9,188	5,190	1,473	-
Spontaneous Terminations	4,009	7	86	175	752	910	904	717	424	34
Induced Terminations	29,550	190	1,936	2,721	8,755	7,273	4,794	2,808	963	110
QUEENS	48,350	115	1,667	2,872	11,303	12,889	10,934	6,434	2,081	55
Live Births	27,303	25	504	1,096	5,646	7,981	7,176	3,875	1,000	-
Spontaneous Terminations	2,378	8	43	74	357	494	578	512	295	17
Induced Terminations	18,669	82	1,120	1,702	5,300	4,414	3,180	2,047	786	38
STATEN ISLAND	9,151	36	343	533	1,776	2,206	2,421	1,420	409	7
Live Births	5,821	9	103	234	904	1,537	1,820	976	238	-
Spontaneous Terminations	667	-	6	20	76	151	183	168	61	2
Induced Terminations	2,663	27	234	279	796	518	418	276	110	5
NON-RESIDENTS	17,604	42	445	710	2,598	3,456	5,198	3,822	1,308	25
Live Births	10,346	1	38	98	732	1,964	3,912	2,787	814	-
Spontaneous Terminations	854	-	5	11	46	122	226	271	168	5
Induced Terminations	6,404	41	402	601	1,820	1,370	1,060	764	326	20
RESIDENCE UNKNOWN	419	2	19	38	112	92	72	54	24	6
Live Births	7	-	1	-	2	-	1	-	1	2
Spontaneous Terminations	8	-	-	1	-	-	-	3	2	2
Induced Terminations	404	2	18	37	110	92	71	51	21	2

Note: See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

Table 27.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 2004**

Gestation in Weeks	Total	Age of Woman								Unknown or Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Total	11,653	34	247	473	1,883	2,389	2,743	2,443	1,346	95
Under 13	7,815	15	149	279	1,172	1,549	1,853	1,730	1,025	43
13-15	1,125	5	27	60	216	250	278	188	97	4
16-19	858	4	23	37	145	186	220	164	75	4
20-27	749	4	22	40	145	170	157	153	52	6
28 & Over	419	3	16	21	87	98	90	71	30	3
Not Stated	687	3	10	36	118	136	145	137	67	35

Note: See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

**Table 28. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence
New York City, 2004**

Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Staten Island
NEW YORK CITY	216,191	83,140	28,215	52,970	45,053	6,813
Live Births	124,099	43,253	17,099	32,354	24,916	6,477
Spontaneous Terminations	419	132	89	118	61	19
Induced Terminations	91,673	39,755	11,027	20,498	20,076	317
MANHATTAN	33,807	31,469	1,154	639	527	18
Live Births	20,357	19,619	431	175	114	18
Spontaneous Terminations	61	58	2	1	–	–
Induced Terminations	13,389	11,792	721	463	413	–
BRONX	41,548	15,107	25,205	481	741	14
Live Births	20,854	4,732	15,784	144	181	13
Spontaneous Terminations	100	18	82	–	–	–
Induced Terminations	20,594	10,357	9,339	337	560	1
BROOKLYN	69,101	16,865	377	46,477	4,367	1,015
Live Births	39,411	7,560	113	29,414	1,318	1,006
Spontaneous Terminations	140	24	1	111	2	2
Induced Terminations	29,550	9,281	263	16,952	3,047	7
QUEENS	46,050	8,513	327	2,748	34,418	44
Live Births	27,303	5,037	127	1,554	20,541	44
Spontaneous Terminations	78	16	1	5	56	–
Induced Terminations	18,669	3,460	199	1,189	13,821	–
STATEN ISLAND	8,499	1,525	46	1,503	140	5,285
Live Births	5,821	283	10	532	25	4,971
Spontaneous Terminations	15	–	–	–	–	15
Induced Terminations	2,663	1,242	36	971	115	299
NON-RESIDENTS	16,775	9,562	1,077	1,000	4,699	437
Live Births	10,346	6,019	633	532	2,737	425
Spontaneous Terminations	25	16	3	1	3	2
Induced Terminations	6,404	3,527	441	467	1,959	10
RESIDENCE UNKNOWN	411	99	29	122	161	–
Live Births	7	3	1	3	–	–
Spontaneous Terminations	0	–	–	–	–	–
Induced Terminations	404	96	28	119	161	–

Note: See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

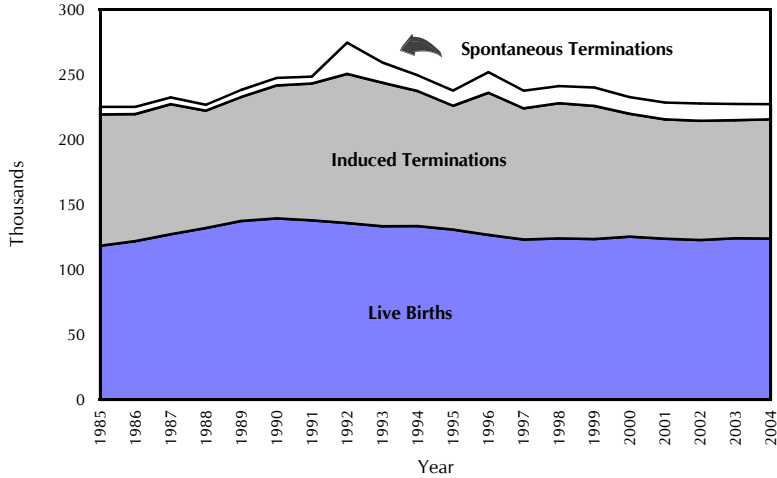


Figure 19. Number of Live Births, Induced Terminations and Spontaneous Terminations New York City, 1985-2004

The number of live births increased in the 1980s and reached its current peak in 1990. (The historic peak was 168,393 in 1961.) Since then the number has declined slightly. The number of Induced terminations had a similar pattern except its peak was 1992. The number of spontaneous terminations also peaked in 1992. See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

**Table 29. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman
New York City, 2004**

	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Induced Termination of Pregnancy, All	91,673	550	6,196	8,721	27,159	22,038	14,692	8,893	3,148	276
Ethnic Group										
Hispanic	27,946	174	2,031	2,953	9,111	6,780	3,992	2,166	659	80
Asian and Pacific Islander	4,811	10	171	333	1,140	1,195	1,019	667	263	13
White Non-Hispanic	9,426	36	380	645	2,448	2,262	1,744	1,308	565	38
Black Non-Hispanic	39,847	235	2,758	3,694	11,648	9,660	6,510	3,905	1,317	120
Other	646	3	34	55	180	140	120	68	41	5
Not Stated	8,997	92	822	1,041	2,632	2,001	1,307	779	303	20
Marital Status										
Married	13,516	8	79	251	2,013	3,508	3,640	2,839	1,134	44
Not Married	75,259	532	5,928	8,224	24,365	17,850	10,544	5,765	1,876	175
Not Stated	2,898	10	189	246	781	680	508	289	138	57
Gestation Age										
6 Weeks or Less	28,762	95	1,291	2,264	8,218	7,589	5,107	3,014	1,087	97
7 - 8 Weeks	29,783	121	1,609	2,532	8,594	7,447	5,243	3,115	1,033	89
9 - 10 Weeks	13,760	87	1,124	1,409	4,247	3,179	1,982	1,254	441	37
11 - 12 Weeks	6,895	56	674	822	2,178	1,489	915	533	211	17
13 - 15 Weeks	4,772	60	575	684	1,521	914	570	320	117	11
16 - 20 Weeks	4,726	81	605	631	1,497	850	490	401	156	15
21 or More Weeks	2,181	46	285	323	690	377	232	153	67	8
Not Stated	794	4	33	56	214	193	153	103	36	2
Type of Termination Procedures										
Suction Curettage	70,264	356	4,315	6,383	20,547	17,211	11,728	7,070	2,450	204
Sharp Curettage / D+C	2,409	14	154	178	685	587	415	273	93	10
Dilatation and Evacuation	10,850	167	1,363	1,526	3,467	2,001	1,186	793	313	34
Intrauterine Instillation	30	2	2	1	4	6	5	8	2	-
Hysterotomy / Hysterectomy	2	-	-	-	-	-	1	-	1	-
Medical (Non-Surgical)	7,220	8	315	573	2,229	1,990	1,198	638	249	20
Other	526	2	23	29	123	154	101	66	22	6
Not Stated	372	1	24	31	104	89	58	45	18	2

Note: See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

**Table 29a. Induced Terminations of Pregnancy by Woman's Marital Status, Age, and Ethnic Group
New York City, 1995 - 2004**

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Marital Status (percent)										
Married	20.0	19.9	19.1	19.3	17.9	16.4	15.8	15.8	15.9	14.7
Not Married	77.6	74.4	78.2	78.3	79.3	81.0	81.6	82.2	82.1	82.1
Unknown	2.4	5.7	2.7	2.4	2.9	2.6	2.6	2.0	2.0	3.2
Age of Woman										
< 15	669	786	696	704	672	601	564	506	518	550
15-19	16,481	18,571	17,056	16,922	16,525	15,497	14,999	14,706	14,487	14,917
20-24	27,678	31,155	28,804	29,736	29,857	27,799	27,100	27,076	26,815	27,159
25-29	23,571	27,452	24,868	25,504	24,758	22,502	21,549	21,790	21,748	22,038
30-34	15,699	18,375	17,078	17,662	17,337	15,735	15,376	15,285	14,833	14,692
35-39	8,351	9,829	9,312	9,938	9,875	9,193	8,981	8,989	8,930	8,893
40+	2,434	2,871	2,796	3,156	3,138	2,953	2,922	3,126	3,166	3,148
Unknown	322	334	316	360	172	186	301	322	323	276
Ethnic Group										
Hispanic	26,698	29,253	28,965	31,895	32,826	31,118	29,684	30,098	29,953	27,946
Asian and Pacific Islander	3,279	4,112	4,317	5,198	4,969	4,873	4,977	5,097	5,341	4,811
Non-Hispanic, White	12,712	14,598	12,037	12,365	11,833	10,438	10,220	9,903	9,779	9,426
Non-Hispanic, Black	48,117	52,026	47,072	48,799	48,245	45,150	44,213	43,912	41,961	39,847
Other	790	523	469	713	749	532	603	526	597	646
Unknown	3,609	8,861	8,066	5,012	3,712	2,355	2,095	2,264	3,189	8,997
Total	95,205	109,373	100,926	103,982	102,334	94,466	91,792	91,800	90,820	91,673

Table 30.

**Live Births by Ancestry of Mother and Borough of Residence
New York City, 2004**

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	124,099	20,357	20,854	39,411	27,303	5,821	10,346	7
Puerto Rican	10,140	1,418	4,420	2,229	1,215	453	405	–
Dominican	10,071	2,982	4,035	1,356	1,355	64	278	1
Colombian	1,385	95	69	108	985	43	85	–
Ecuadorian	3,266	276	413	646	1,827	36	68	–
Mexican	7,979	1,010	1,728	2,421	2,258	499	63	–
Cuban	279	78	47	37	62	13	42	–
Other Hispanic	6,678	551	1,123	2,205	2,292	161	346	–
African-American	16,680	2,007	4,157	6,658	2,643	618	595	2
American	5,312	1,456	170	1,864	438	307	1,076	1
Guyanese	2,250	23	250	803	1,102	10	62	–
Haitian	1,687	76	46	1,044	395	15	111	–
Jamaican	2,746	70	722	1,141	670	21	122	–
Trinidadian	1,617	44	87	892	538	21	35	–
Other North, Central and South American	2,814	249	282	1,800	322	42	119	–
English	873	438	14	151	63	14	193	–
German	1,912	680	53	297	248	133	501	–
Irish	3,211	840	113	477	509	383	889	–
Italian	5,239	693	224	922	658	1,597	1,145	–
Polish	1,475	247	16	476	421	88	227	–
Russian	2,266	517	38	822	372	162	355	–
Other European	5,563	1,447	368	1,597	981	329	841	–
Asian Indian	2,009	222	73	179	1,156	88	291	–
Bangladeshi	1,535	53	192	376	888	12	14	–
Chinese	7,492	1,873	112	2,628	2,302	137	440	–
Filipino	891	121	68	94	412	57	139	–
Korean	1,120	217	25	82	587	25	184	–
Pakistani	1,197	41	85	545	423	40	63	–
Other Asian	3,793	764	228	1,331	956	169	345	–
Jewish or Hebrew	7,401	694	74	4,996	521	149	967	–
Other and Not Stated	5,218	1,175	1,622	1,234	704	135	345	3

Note: See Technical Notes: Race, Ancestry, Ethnicity Group, and Birthplace.

Table 31.

**Live Births by Mother's Ethnic Group and Age
New York City, 2004**

Ethnic Group	Total	Age of Mother								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total	124,099	150	2,824	5,728	25,503	32,263	32,617	19,481	5,531	2
Puerto Rican	10,140	27	626	976	2,947	2,567	1,777	983	237	–
Other Hispanic	29,658	60	1,064	2,060	7,892	8,170	6,283	3,281	848	–
Asian and Pacific Islander	16,736	1	32	202	2,492	5,358	5,404	2,671	576	–
Non-Hispanic White	37,659	7	127	516	5,127	8,622	12,499	8,198	2,563	–
Non-Hispanic Black	29,449	54	966	1,961	6,958	7,434	6,516	4,274	1,286	–
Other	250	–	4	8	47	67	81	34	9	–
Not Stated	207	1	5	5	40	45	57	40	12	2

Note: See Technical Notes: Race, Ancestry, Ethnicity Group, and Birthplace.

Table 32.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Age of Mother, New York City, 2004**

	Total	Age of Mother								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total Live Births	124,099	150	2,824	5,728	25,503	32,263	32,617	19,481	5,531	2
Sex										
Male	63,454	86	1,446	2,993	12,952	16,464	16,703	9,988	2,821	1
Female	60,645	64	1,378	2,735	12,551	15,799	15,914	9,493	2,710	1
Birth Order This Child (Live Births Only)										
First	55,295	150	2,596	4,634	14,303	13,411	12,456	6,084	1,659	2
Second	37,902	–	216	956	7,899	10,331	10,500	6,376	1,624	–
Third	17,561	–	10	127	2,499	5,056	5,237	3,647	985	–
Fourth	7,123	–	2	10	615	2,112	2,245	1,621	518	–
Fifth	3,044	–	–	–	148	899	1,038	680	278	–
Sixth or higher	3,174	–	–	–	39	454	1,141	1,073	467	–
Weight at Delivery in Grams										
Under 500	121	1	6	10	21	31	24	19	9	–
500-999	895	–	21	49	155	225	225	170	50	–
1000-1499	1,099	5	25	56	194	258	274	214	73	–
1500-1999	2,184	1	65	99	369	502	601	414	133	–
2000-2499	6,665	11	185	352	1,330	1,503	1,681	1,181	422	–
2500-2999	24,371	40	735	1,368	5,414	6,295	5,838	3,563	1,118	–
3000-3499	48,332	73	1,159	2,334	10,548	12,691	12,463	7,131	1,933	–
3500-3999	31,573	17	541	1,227	6,002	8,428	8,857	5,128	1,373	–
4000-4499	7,649	2	77	215	1,302	2,031	2,285	1,392	345	–
4500-4999	1,082	–	6	18	151	264	333	241	69	–
5000 & over	125	–	4	–	16	35	36	28	6	–
Not stated	3	–	–	–	1	–	–	–	–	2
Plurality										
Single	119,207	150	2,780	5,627	24,919	31,217	31,135	18,306	5,071	2
Twin	4,655	–	41	95	568	992	1,388	1,126	445	–
Triplet	229	–	3	6	16	54	90	45	15	–
Quadruplet	8	–	–	–	–	–	4	4	–	–
Quintuplet	0	–	–	–	–	–	–	–	–	–
Apgar Score at 5 Minutes *										
6 or less	1,001	1	27	58	196	260	237	168	54	–
7	1,050	4	31	61	207	241	243	201	62	–
8	4,680	9	117	252	896	1,109	1,240	810	247	–
9	111,465	134	2,505	5,047	23,010	29,198	29,344	17,316	4,911	–
10	5,729	2	143	303	1,152	1,406	1,522	955	246	–
Not stated	174	–	1	7	42	49	31	31	11	2
Place of Birth										
Home	462	–	7	13	80	116	135	87	24	–
Voluntary Hospital, Private Service	63,259	19	503	1,199	8,045	15,379	20,952	13,263	3,899	–
Voluntary Hospital, General Service	37,819	79	1,481	2,910	10,972	10,547	7,162	3,706	962	–
Municipal Hospital	22,240	52	822	1,588	6,325	6,129	4,299	2,386	639	–
Birthing Center	196	–	9	15	54	60	41	16	1	–
Other	123	–	2	3	27	32	28	23	6	2
Attendant										
Physician	113,088	123	2,410	4,944	22,366	29,218	30,439	18,320	5,268	–
Certified Nurse Midwife	10,554	26	404	753	3,023	2,899	2,091	1,107	251	–
Other	457	1	10	31	114	146	87	54	12	2
Financial Coverage										
Medicaid	64,203	124	2,301	4,680	18,945	18,000	12,142	6,323	1,688	–
HMO	19,044	13	274	491	2,739	4,731	6,009	3,755	1,032	–
Third Party	37,795	7	145	382	3,166	8,730	13,750	8,965	2,650	–
Self	2,900	6	101	169	616	761	676	415	156	–
Not stated	157	–	3	6	37	41	40	23	5	2
First Visit for Prenatal Care										
First Trimester (1-3 months)	88,556	56	1,519	3,412	16,687	23,052	24,621	15,007	4,202	–
Second Trimester (4-6 months)	25,781	56	904	1,618	6,322	6,732	5,915	3,254	980	–
Late (7-9 months)	6,563	26	295	494	1,721	1,650	1,394	757	226	–
No Care	670	7	39	66	169	144	109	113	23	–
Not stated	2,529	5	67	138	604	685	578	350	100	2
Marital Status of Mother										
Not Married	53,326	145	2,658	4,897	16,123	13,797	8,972	5,141	1,591	2
Married	70,773	5	166	831	9,380	18,466	23,645	14,340	3,940	–
Years of Education										
None	375	–	4	10	69	114	95	51	32	–
1-11	26,882	149	2,443	2,782	7,717	6,561	4,325	2,283	622	–
12	37,434	–	356	2,362	10,290	10,497	7,996	4,631	1,302	–
13 & over	58,923	–	5	556	7,336	14,958	20,076	12,442	3,550	–
Not stated	485	1	16	18	91	133	125	74	25	2
Birthplace of Mother										
United States other than Puerto Rico	56,365	107	1,856	3,330	12,146	12,634	14,482	9,156	2,654	–
Puerto Rico	1,977	2	87	145	535	509	387	242	70	–
Foreign	65,137	41	858	2,220	12,684	18,983	17,602	9,981	2,768	–
Not stated	620	–	23	33	138	137	146	102	39	2
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	419	3	16	21	87	98	90	71	30	3
Sex										
Male	209	–	7	13	45	48	43	36	17	–
Female	170	2	7	4	35	44	37	28	10	3
Undetermined	40	1	2	4	7	6	10	7	3	–
Weight at Delivery in Grams										
Under 500	28	–	3	3	4	3	8	6	1	–
500-999	56	1	3	1	17	9	15	7	3	–
1000-1499	43	–	–	4	11	7	11	6	4	–
1500-1999	59	–	–	2	15	15	13	5	9	–
2000-2499	50	–	3	7	8	13	8	6	4	1
2500 & over	113	1	5	3	23	32	15	27	5	2
Not stated	70	1	2	1	9	19	20	14	4	–

* In 2001 and earlier years, the 1 minute Apgar Score was presented, although it was incorrectly labeled as "Apgar Score at 5 Minutes".

Note: See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

Table 33.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Mother's Ethnic Group, New York City, 2004**

	Total	Ethnic Group of Mother						Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	
Total Live Births	124,099	10,140	29,658	16,736	37,659	29,449	250	207
Sex								
Male	63,454	5,162	15,010	8,751	19,338	14,955	135	103
Female	60,645	4,978	14,648	7,985	18,321	14,494	115	104
Birth Order This Child (Live Births Only)								
First	55,295	4,170	12,145	8,768	17,669	12,348	98	97
Second	37,902	2,944	9,585	5,669	10,954	8,599	90	61
Third	17,561	1,665	5,141	1,675	4,533	4,488	36	23
Fourth	7,123	750	1,868	467	1,903	2,104	19	12
Fifth	3,044	331	572	105	1,018	1,009	6	3
Sixth or Higher	3,174	280	347	52	1,582	901	1	11
Weight at Delivery in Grams								
Under 500	121	12	20	9	13	65	-	2
500-999	895	101	172	65	134	415	5	3
1000-1499	1,099	99	208	91	260	427	8	6
1500-1999	2,184	232	397	247	528	765	9	6
2000-2499	6,665	634	1,251	918	1,708	2,114	25	15
2500-2999	24,371	2,142	5,316	3,748	6,326	6,740	66	33
3000-3499	48,332	3,826	11,958	7,138	14,397	10,850	90	73
3500-3999	31,573	2,414	8,018	3,712	10,950	6,391	35	53
4000-4499	7,649	577	2,011	707	2,900	1,432	11	11
4500-4999	1,082	89	276	95	400	218	1	3
5000 & over	125	14	30	6	43	32	-	-
Not stated	3	-	1	-	-	-	-	2
Plurality								
Single	119,207	9,776	28,950	16,283	35,441	28,318	241	198
Twin	4,655	331	680	444	2,090	1,095	6	9
Triplet	229	33	28	9	120	36	3	-
Quadruplet	8	-	-	-	8	-	-	-
Quintuplet	0	-	-	-	-	-	-	-
Apgar Score at 5 Minutes *								
6 or less	1,001	100	168	84	159	475	4	11
7	1,050	96	252	79	209	410	1	3
8	4,680	453	1,063	455	1,267	1,417	11	14
9	111,465	8,832	26,610	15,465	34,219	25,956	224	159
10	5,729	644	1,530	637	1,781	1,115	10	12
Not stated	174	15	35	16	24	76	-	8
Place of Birth								
Home	462	38	69	27	154	164	-	10
Voluntary Hospital, Private Service	63,259	4,208	6,568	8,535	32,734	10,983	112	119
Voluntary Hospital, General Service	37,819	3,773	13,733	5,258	3,622	11,245	117	71
Municipal Hospital	22,240	2,063	9,226	2,898	1,092	6,937	20	4
Birthing Center	196	44	45	7	30	68	1	1
Other	123	14	17	11	27	52	-	2
Attendant								
Physician	113,088	9,063	26,173	15,785	35,100	26,572	220	175
Certified Nurse Midwife	10,554	1,024	3,368	918	2,455	2,738	28	23
Other	457	53	117	33	104	139	2	9
Financial Coverage								
Medicaid	64,203	6,237	22,063	8,890	8,335	18,515	83	80
HMO	19,044	1,406	3,089	2,731	7,703	3,990	76	49
Third Party	37,795	2,231	3,878	4,751	20,633	6,157	84	61
Self	2,900	255	596	333	971	730	7	8
Not stated	157	11	32	31	17	57	-	9
First Visit for Prenatal Care								
First Trimester (1-3 months)	88,556	7,317	20,129	11,186	30,685	18,931	177	131
Second Trimester (4-6 months)	25,781	2,093	6,807	4,076	5,613	7,106	48	38
Late (7-9 months)	6,563	465	2,003	884	857	2,324	19	11
No Care	670	75	170	37	52	329	1	6
Not stated	2,529	190	549	553	452	759	5	21
Marital Status of Mother								
Not Married	53,326	7,284	18,732	3,354	3,972	19,762	101	121
Married	70,773	2,856	10,926	13,382	33,687	9,687	149	86
Years of Education								
None	375	5	130	43	35	146	1	15
1-11	26,882	3,762	11,309	3,091	2,108	6,541	51	20
12	37,434	2,865	9,638	5,191	9,569	10,015	105	51
13 & over	58,923	3,497	8,513	8,260	25,898	12,621	92	42
Not stated	485	11	68	151	49	126	1	79
Birthplace of Mother								
United States other than Puerto Rico	56,365	8,193	5,239	1,022	26,301	15,458	59	93
Puerto Rico	1,977	1,850	113	-	10	4	-	-
Foreign	65,137	73	24,222	15,681	11,144	13,797	190	30
Not stated	620	24	84	33	204	190	1	84
Spontaneous Terminations of Pregnancy, 28 weeks & Over								
Total	419	27	96	27	100	159	1	9
Sex								
Male	209	16	44	10	52	83	-	4
Female	170	9	43	15	37	62	1	3
Undetermined	40	2	9	2	11	14	-	2
Weight at Delivery in Grams								
Under 500	28	-	5	-	9	14	-	-
500-999	56	2	16	3	12	21	1	1
1000-1499	43	4	7	4	10	16	-	2
1500-1999	59	3	13	3	11	28	-	1
2000-2499	50	3	17	3	10	17	-	-
2500 & over	113	7	27	10	28	38	-	3
Not stated	70	8	11	4	20	25	-	2

* In 2001 and earlier years, the 1 minute Apgar Score was presented, although it was incorrectly labeled as "Apgar Score at 5 Minutes".

Note: See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

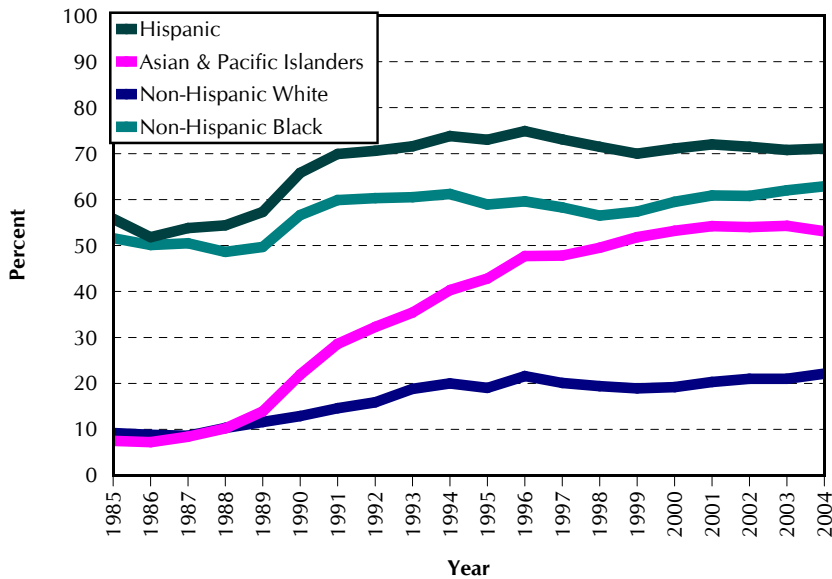


Figure 20. Percent of Live Births Covered by Medicaid New York City, 1985-2004

Of the 124,099 births in NYC in 2004, approximately 52% (64,203) are covered by Medicaid. This distribution varies greatly by ethnicity. Since 1985, greater than 50% of Hispanic births were covered by Medicaid, hovering near 70% since 1991. Since 1991, approximately 60% of births to Non-Hispanic blacks were covered by Medicaid. Asian and Pacific Islanders showed the largest increase in the percent of Medicaid births over the two decades, increasing from approximately 10% of births covered by Medicaid in 1985 to slightly more than 50% in 2004. The proportion of births covered by Medicaid among Non-Hispanic whites remains the lowest, with a slow steady increase from 10% in 1985 to slightly more than 20% of births in 2004.

Of the 64,203 births reported as covered by Medicaid in 2004, 44% were to Hispanics, 29% were to Non-Hispanic blacks, 14% were to Asian and Pacific Islanders and 13% were to Non-Hispanic whites.

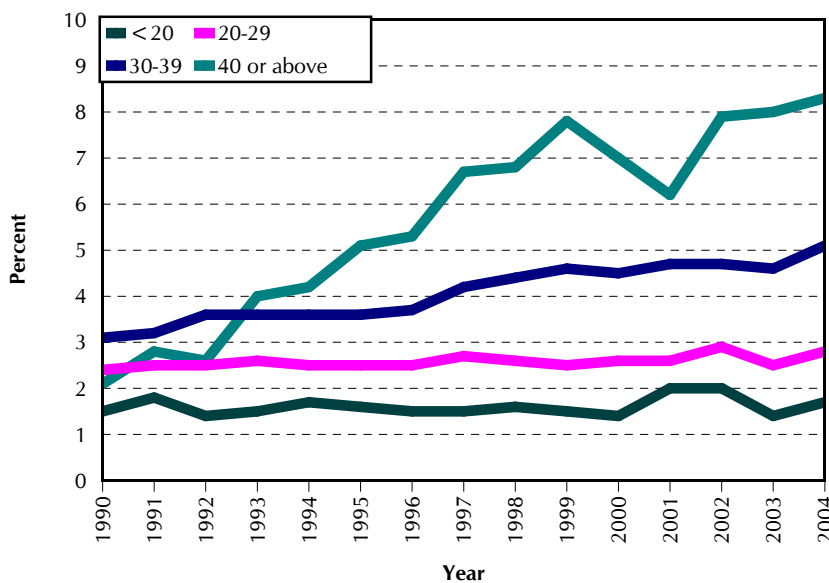


Figure 21. Percent of Multiple Births by Mother's Age New York City, 1990-2004

Plurality or multiple births occurred among 4,892 of the 124,099 births in New York City in 2004; 96% births were singletons, compared to 3.8% twins; 0.18% triplets and 2 sets quadruplets. Data indicates that the proportion of multiple births increases with age. In 2004, 8.3% of births to women 40 years of age or over were multiple, compared to 5.1% of births to women between 30-39, 2.8% to women between 20-29 and 1.7% to women under 20.

The percent of multiple births to women 40 years of age or over has increased since 1990, with a short decline between 2000 and 2001, increasing to 8.3% in 2004. Women between 30 and 39 have also had an increase in the proportion of multiple births from 3.1% in 1990 to greater than 5.1% in 2004. The proportion of multiple births to women between 20 to 29 and women under 20 also increased slightly from 2.4% and 1.5% in 1990 to 2.8% and 1.7% in 2004 respectively.

Table 34.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 2004**

Health Center District	Live Births Rate*		Percent of Total Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		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	124,099	15.5	8.2	23.9	52.5	44.6	8.8	5.8	43.0	51.7	760	6.1	516	4.2	
MANHATTAN	20,357	13.2	7.0	24.5	45.5	54.6	8.7	4.4	36.5	42.0	85	4.2	57	2.8	
Central Harlem	1,977	16.0	8.6	18.5	39.6	40.0	11.1	10.4	70.8	73.6	10	5.1	6	3.0	
East Harlem	1,997	14.7	21.9	29.7	42.2	47.9	9.6	5.8	58.7	63.1	11	5.5	8	4.0	
Kips Bay-Yorkville	3,089	12.8	1.2	4.4	32.4	63.4	9.0	1.5	6.3	4.6	6	1.9	6	1.9	
Lower East Side	2,911	12.0	10.5	8.9	57.8	56.9	6.9	4.3	34.0	52.6	16	5.5	12	4.1	
Lower West Side	3,696	11.9	3.1	7.5	37.6	66.0	8.9	2.8	15.6	14.9	9	2.4	5	1.4	
Riverside	2,592	12.7	4.9	15.5	36.0	56.2	8.1	3.7	23.3	22.9	9	3.5	5	1.9	
Washington Heights	4,095	14.7	5.6	72.4	64.4	45.6	8.5	5.1	60.9	73.8	24	5.9	15	3.7	
BRONX	20,854	15.6	21.2	35.6	51.4	40.5	10.1	6.1	67.8	69.5	149	7.1	98	4.7	
Fordham-Riverdale	4,056	15.4	17.3	45.4	57.0	42.0	8.9	5.1	61.3	66.0	21	5.2	14	3.5	
Morrisania	3,271	19.5	22.0	36.7	49.5	37.4	10.0	7.1	73.8	74.0	29	8.9	16	4.9	
Mott Haven	2,329	16.8	30.7	41.3	43.5	38.0	10.3	8.2	78.3	80.9	10	4.3	7	3.0	
Pelham Bay	2,886	11.8	14.2	14.9	55.4	43.8	11.5	5.8	62.6	65.6	26	9.0	18	6.2	
Tremont	4,279	19.8	18.2	44.1	55.4	37.5	9.4	5.8	73.5	68.9	28	6.5	17	4.0	
Westchester	4,033	13.4	27.2	27.2	44.8	43.5	10.8	5.6	61.0	66.2	35	8.7	26	6.4	
BROOKLYN	39,411	16.0	5.7	17.2	51.6	41.4	8.5	5.9	43.2	59.2	261	6.6	186	4.7	
Bay Ridge	4,024	14.8	3.8	16.2	63.0	44.0	6.7	2.9	23.1	47.1	16	4.0	15	3.7	
Bedford	3,595	15.6	3.5	6.9	46.0	40.0	11.6	8.1	63.5	70.3	26	7.2	21	5.8	
Brownsville	4,735	15.7	7.6	10.5	48.8	39.2	12.3	9.9	69.2	68.5	58	12.2	40	8.4	
Bushwick	3,552	18.3	17.3	47.0	54.3	36.4	8.8	7.9	71.4	76.5	21	5.9	15	4.2	
Flatbush	8,220	15.3	1.7	11.3	58.9	40.4	9.0	7.1	39.8	55.9	61	7.4	42	5.1	
Fort Greene	2,193	14.4	5.7	14.8	33.7	46.8	8.5	5.4	52.3	55.7	17	7.8	12	5.5	
Gravesend	3,725	12.0	4.2	13.7	64.7	48.8	7.7	4.5	25.1	47.9	24	6.4	17	4.6	
Red Hook-Gowanus	1,492	13.4	9.7	13.7	31.0	58.5	7.7	2.7	29.6	30.4	9	6.0	4	2.7	
Sunset Park	4,766	24.3	4.1	24.2	55.4	40.0	5.6	2.8	30.0	63.8	19	4.0	11	2.3	
Williamsburg-Greenpoint	3,109	19.4	7.2	19.0	27.0	32.2	5.6	3.6	24.8	60.0	10	3.2	9	2.9	
QUEENS	27,303	12.2	4.5	32.2	71.7	45.8	8.5	8.7	43.6	55.3	147	5.4	97	3.6	
Astoria-Long Island City	3,192	11.8	3.5	37.6	74.2	49.8	7.2	9.9	41.6	63.0	13	4.1	9	2.8	
Corona	6,293	17.2	2.0	62.3	88.2	44.5	6.7	12.8	52.8	76.6	24	3.8	17	2.7	
Flushing	4,538	9.1	2.8	16.8	71.9	47.2	7.0	4.5	25.6	45.9	13	2.9	4	0.9	
Jamaica East	4,353	11.5	2.9	12.8	62.4	44.9	12.1	8.9	55.7	50.4	44	10.1	26	6.0	
Jamaica West	5,485	13.0	7.8	26.4	63.1	41.9	10.4	8.5	47.4	46.0	41	7.5	32	5.8	
Maspeth-Forest Hills	3,442	11.7	8.8	26.0	64.1	49.7	7.3	5.9	30.9	42.9	12	3.5	9	2.6	
RICHMOND	5,821	13.1	7.8	14.0	34.2	40.0	8.0	3.1	30.0	30.9	29	5.0	24	4.1	
NON-RESIDENTS	10,346	-	3.9	8.5	31.3	44.4	9.2	1.7	10.5	8.8	86	8.3	52	5.0	
RESIDENCE UNKNOWN	7	-	-	-	-	-	-	-	-	-	3	-	2	-	

*Rate per 1,000 population. **Rate per 1,000 live births.

Borough totals may be higher than the sum of the health center districts, as they may include some live births whose health center district could not be determined.

Table 35.

**Live Births by Selected Characteristics and Mother's Ancestry
New York City, 2004**

Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics							Teenage Mother*
		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid		
Total	124,099	52.5	44.6	8.8	5.8	43.0	51.7	7.0	
Puerto Rican	10,140	0.7	41.1	10.6	5.3	71.8	61.5	16.1	
Dominican	10,071	78.1	41.5	7.7	6.3	64.7	71.7	10.6	
Colombian	1,385	79.1	50.3	5.0	8.4	52.5	59.3	7.9	
Ecuadorian	3,266	89.5	38.3	5.5	9.2	53.4	78.2	7.8	
Mexican	7,979	95.4	38.4	5.7	8.3	71.4	89.1	13.2	
Cuban	279	22.9	50.9	11.8	2.5	37.6	34.8	7.5	
Other Hispanic	6,678	69.8	42.2	7.9	6.8	59.0	63.9	10.1	
African-American	16,680	11.2	42.8	14.0	7.3	76.0	62.4	14.3	
American	5,312	4.0	46.0	8.4	2.6	14.6	19.8	2.7	
Guyanese	2,250	96.6	41.8	15.7	6.8	43.9	50.0	4.0	
Haitian	1,687	88.0	42.7	11.6	8.7	44.8	58.8	2.8	
Jamaican	2,746	93.7	42.6	10.3	9.0	66.2	62.6	6.6	
Trinidadian	1,617	95.1	46.8	12.9	11.6	58.1	63.1	6.2	
Other North, Central and South American	2,814	90.9	47.1	11.1	12.0	52.7	58.0	4.5	
English	873	25.1	61.4	7.1	1.7	8.8	3.6	0.1	
German	1,912	14.3	55.5	8.8	1.7	10.8	7.8	0.7	
Irish	3,211	10.6	52.4	7.2	1.5	11.7	9.3	1.0	
Italian	5,239	7.2	49.5	6.9	1.2	13.1	9.9	1.8	
Polish	1,475	57.8	58.1	5.2	3.6	14.2	31.1	1.3	
Russian	2,266	64.5	52.5	5.8	2.3	13.9	18.4	0.8	
Other European	5,563	54.7	53.2	6.9	2.8	12.7	23.1	1.2	
Asian Indian	2,009	92.2	53.3	10.8	4.2	12.1	36.4	1.3	
Bangladeshi	1,535	99.3	38.7	12.6	11.5	18.5	77.9	2.5	
Chinese	7,492	93.7	54.7	5.2	3.9	24.7	57.8	1.0	
Filipino	891	89.2	56.3	10.5	4.8	17.8	24.9	1.0	
Korean	1,120	90.3	59.6	4.9	4.8	11.0	35.7	0.2	
Pakistani	1,197	97.3	42.7	9.8	9.7	9.9	71.0	1.8	
Other Asian	3,793	88.2	47.9	6.8	6.0	13.1	45.1	4.0	
Jewish or Hebrew	7,401	17.6	30.9	6.5	1.8	3.1	33.9	1.6	
Other & Not Stated	5,218	74.0	39.4	9.3	10.3	34.4	54.8	2.5	

Note: See Technical Notes: Race, Ancestry, Ethnicity, and Birthplace.

* Teenage mother is defined as a mother whose age is under 20 years old.

Table 36.

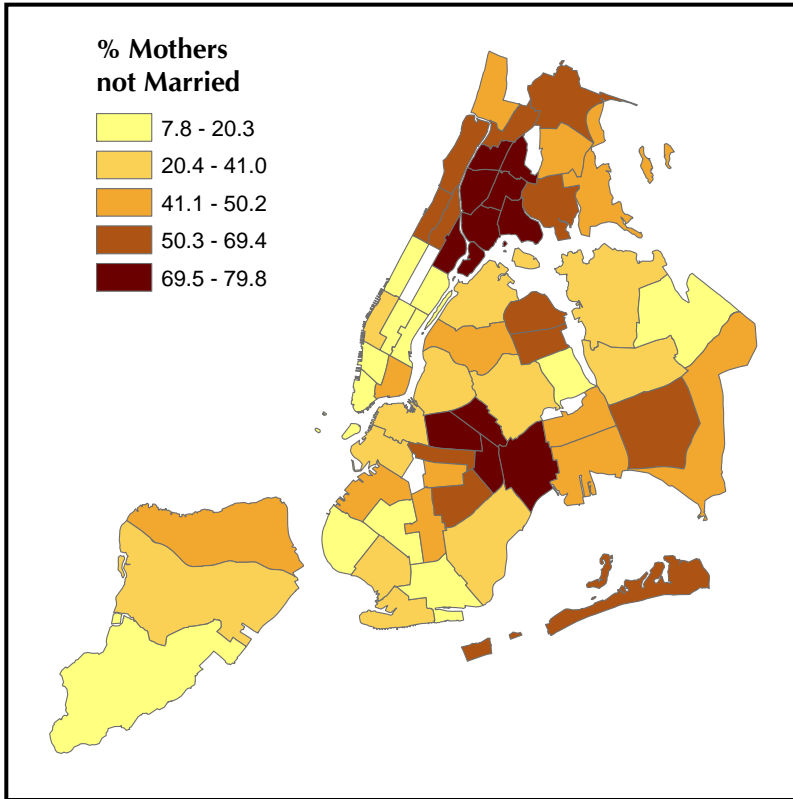
**Live Births by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 2004**

Community District	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		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	Hispanic Other										
NEW YORK CITY	124,099	15.5	8.2	23.9	52.5	44.6	8.8	5.8	43.0	51.7	760	6.1	516	4.2
Manhattan	20,246	13.2	6.9	24.3	45.5	54.7	8.7	4.4	36.3	41.8	85	4.2	57	2.8
Battery Park, Tribeca (01)	616	17.9	1.0	6.5	37.8	66.1	7.0	1.6	8.8	5.2	-	-	-	-
Greenwich Village, SOHO (02)	831	8.9	1.4	5.3	36.9	67.0	8.3	2.3	13.0	13.2	3	3.6	1	1.2
Lower East Side (03)	2,255	13.7	12.7	9.4	67.0	52.2	6.5	4.9	41.1	67.3	13	5.8	10	4.4
Chelsea, Clinton (04)	891	10.2	7.6	14.1	39.1	65.2	9.2	4.8	29.9	28.4	2	2.2	2	2.2
Midtown Business District (05)	481	10.9	3.1	4.8	40.1	71.1	7.1	4.2	15.4	13.9	3	6.2	2	4.2
Murray Hill (06)	1,309	9.6	2.0	5.7	36.1	68.2	9.1	2.4	8.9	6.1	3	2.3	2	1.5
Upper West Side (07)	2,933	14.1	3.1	10.8	32.8	59.6	8.8	2.4	14.8	13.4	7	2.4	4	1.4
Upper East Side (08)	2,867	13.2	1.7	4.5	31.5	63.0	8.7	1.3	7.8	5.5	8	2.8	8	2.8
Manhattanville (09)	1,551	13.9	7.1	49.9	54.9	45.2	9.5	6.6	59.5	68.3	12	7.7	6	3.9
Central Harlem (10)	1,733	16.2	8.0	18.9	42.0	39.9	10.7	10.7	69.4	73.6	9	5.2	5	2.9
East Harlem (11)	1,794	15.2	25.0	33.7	40.1	43.2	10.6	7.2	72.5	77.6	10	5.6	7	3.9
Washington Heights (12)	2,983	14.3	5.0	75.7	66.7	46.8	8.2	4.7	57.8	71.4	15	5.0	10	3.4
Bronx	20,965	15.7	21.2	35.7	51.4	40.5	10.0	6.1	67.8	69.5	149	7.1	98	4.7
Mott Haven (01)	1,575	19.2	32.1	39.7	42.5	36.8	10.3	8.2	78.4	81.5	9	5.7	6	3.8
Hunts Point (02)	864	18.5	30.4	44.6	45.0	40.5	9.1	8.2	78.2	78.5	4	4.6	3	3.5
Morrisania (03)	1,267	18.5	25.4	27.6	36.9	37.8	9.2	6.2	77.7	71.6	13	10.3	6	4.7
Concourse, Highbridge (04)	2,937	21.0	16.0	44.0	60.5	36.7	10.3	7.4	70.8	73.5	23	7.8	14	4.8
University/Morris Heights (05)	2,447	19.1	16.1	46.0	58.1	37.1	8.9	5.2	73.8	68.2	15	6.1	9	3.7
East Tremont (06)	1,430	18.9	27.5	36.3	43.0	37.6	11.3	5.5	77.0	64.3	11	7.7	7	4.9
Fordham (07)	2,488	17.6	18.3	48.0	60.6	42.0	8.5	5.7	64.6	74.2	7	2.8	5	2.0
Riverdale (08)	1,083	10.7	13.2	44.3	50.6	46.5	8.7	3.6	46.0	53.6	6	5.5	4	3.7
Unionport, Soundview (09)	2,647	15.8	27.1	29.0	44.5	42.4	10.9	6.1	68.3	71.7	22	8.3	18	6.8
Throgs Neck (10)	908	7.8	28.7	16.5	33.6	46.6	11.7	3.3	48.1	49.7	8	8.8	4	4.4
Pelham Parkway (11)	1,382	12.5	20.4	26.8	57.1	43.6	9.5	5.6	50.2	63.1	12	8.7	7	5.1
Williamsbridge (12)	1,937	13.0	12.1	11.2	57.3	44.1	12.1	6.2	66.6	67.5	19	9.8	15	7.7
Brooklyn	39,411	16.0	5.7	17.2	51.6	41.4	8.5	5.9	43.2	59.2	261	6.6	186	4.7
Williamsburg, Greenpoint (01)	3,109	19.4	7.2	19.0	27.0	32.2	5.6	3.6	24.8	60.0	10	3.2	9	2.9
Fort Green, Brooklyn Heights (02)	1,096	11.1	3.5	11.5	33.6	57.1	8.1	4.1	38.0	35.6	5	4.6	3	2.7
Bedford Stuyvesant (03)	2,245	15.6	7.2	15.7	33.5	37.8	11.6	7.0	70.8	74.2	13	5.8	12	5.3
Bushwick (04)	2,109	20.2	18.4	55.4	56.3	35.6	8.0	7.5	72.3	83.5	14	6.6	11	5.2
East New York (05)	2,855	16.5	13.5	25.4	48.1	39.1	11.1	9.6	70.5	66.7	29	10.2	20	7.0
Park Slope (06)	1,469	14.1	9.2	11.2	26.8	57.9	6.9	2.2	26.3	26.1	7	4.8	3	2.0
Sunset Park (07)	2,574	21.4	8.3	40.9	74.8	47.8	6.6	3.5	49.1	72.8	11	4.3	8	3.1
Crown Heights North (08)	1,478	15.4	3.7	7.0	43.6	43.8	10.1	8.6	63.5	66.0	13	8.8	8	5.4
Crown Heights South (09)	1,733	16.7	1.4	6.9	60.2	41.0	10.4	7.7	49.9	64.3	17	9.8	14	8.1
Bay Ridge (10)	1,706	13.9	4.0	14.6	61.7	46.9	6.9	2.2	20.3	39.4	9	5.3	9	5.3
Bensonhurst (11)	2,185	12.7	3.2	16.0	70.3	45.8	5.9	4.1	24.0	48.1	8	3.7	5	2.3
Borough Park (12)	4,523	24.4	1.0	10.5	42.8	31.9	5.4	3.1	14.5	55.2	19	4.2	12	2.7
Coney Island (13)	1,180	11.1	8.6	19.1	61.4	58.7	10.0	6.4	37.2	62.6	13	11.0	9	7.6
Flatbush, Midwood (14)	2,845	16.9	1.6	17.4	64.0	40.3	8.8	7.0	41.8	60.8	22	7.7	13	4.6
Sheepshead Bay (15)	1,964	12.3	1.6	9.0	64.0	43.4	7.4	3.4	17.4	38.1	8	4.1	7	3.6
Brownsville (16)	1,492	17.5	9.5	10.1	33.4	35.0	14.9	10.7	79.8	81.0	16	10.7	10	6.7
East Flatbush (17)	2,367	14.3	1.9	5.0	68.9	44.0	11.2	10.6	65.5	69.5	29	12.3	20	8.4
Canarsie (18)	2,471	12.7	2.3	5.5	55.4	41.4	10.0	6.7	41.0	45.0	18	7.3	13	5.3
Queens	27,303	12.2	4.5	32.2	71.7	45.8	8.5	8.7	43.6	55.3	147	5.4	97	3.6
Astoria, Long Island City (01)	2,231	10.6	4.0	32.2	69.5	50.4	7.7	9.9	40.5	60.8	13	5.8	10	4.5
Sunnyside, Woodside (02)	1,499	13.6	2.1	47.2	85.1	47.5	6.4	11.5	43.3	69.0	1	0.7	-	-
Jackson Heights (03)	2,815	16.6	2.4	71.5	86.3	44.0	6.6	12.3	55.8	76.7	9	3.2	6	2.1
Elmhurst, Corona (04)	3,062	18.3	1.6	56.1	90.6	45.2	6.6	12.8	51.0	76.5	15	4.9	11	3.6
Ridgewood, Glendale (05)	2,081	12.5	13.1	33.4	58.3	46.3	7.6	7.0	38.3	51.3	5	2.4	4	1.9
Rego Park, Forest Hills (06)	1,185	10.2	2.2	12.9	71.2	54.1	6.8	4.3	18.8	28.2	6	5.1	4	3.4
Flushing (07)	2,438	10.0	2.1	20.3	79.3	50.5	6.1	4.9	29.5	54.0	8	3.3	3	1.2
Fresh Meadows, Briarwood (08)	1,812	12.4	3.5	14.8	69.5	43.8	9.5	5.8	27.0	45.0	9	5.0	3	1.7
Woodhaven (09)	1,994	14.1	8.0	35.0	73.5	45.7	9.7	7.2	42.1	41.6	8	4.0	7	3.5
Howard Beach (10)	1,518	11.9	8.3	19.4	65.4	44.1	10.8	7.1	42.1	39.6	12	7.9	9	5.9
Bayside (11)	700	6.0	3.1	14.0	61.3	46.7	6.9	4.1	17.7	29.9	1	1.4	-	-
Jamaica, St. Albans (12)	2,898	13.0	3.3	17.3	60.8	42.6	11.6	9.5	61.6	52.3	25	8.6	12	4.4
Queens Village (13)	1,815	9.2	3.0	10.7	63.7	46.2	11.3	7.3	46.9	45.4	18	9.9	14	7.7
The Rockaways (14)	1,249	11.7	8.2	17.9	38.3	34.1	12.0	12.1	59.5	56.4	17	13.6	14	11.2
Staten Island	5,821	13.1	7.8	14.0	34.2	40.0	8.0	3.1	30.0	30.9	29	5.0	24	4.1
Port Richmond (01)	2,526	15.5	12.0	23.8	43.5	39.2	8.2	4.5	48.8	48.2	14	5.5	11	4.4
Willowbrook, South Beach (02)	1,493	11.7	5.8	9.4	39.9	42.4	7.6	3.1	20.4	24.6	4	2.7	4	2.7
Tottenville (03)	1,782	11.7	3.6	4.2	16.4	39.1	7.9	1.2	11.7	11.8	11	6.2	9	5.1

*Rate per 1,000 population.

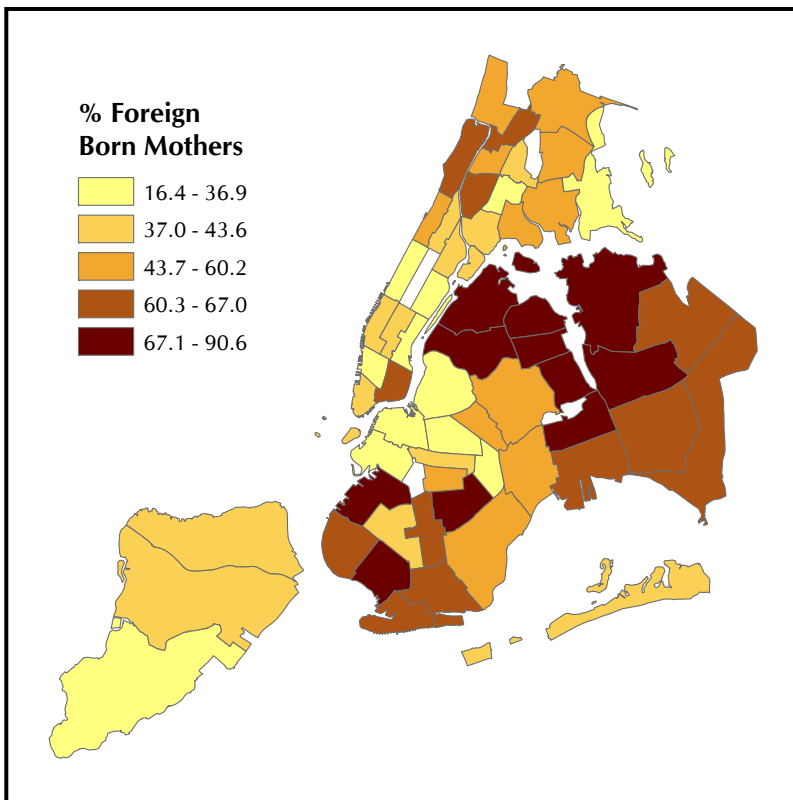
**Rate per 1,000 live births.

Borough totals may be higher than the sum of the community districts, as they may include some live births whose community district could not be determined.



Map 1. Percent of Live Births to Mothers Not Married by Community District of Residence New York City, 2004

Forty-three percent of women giving birth in 2004 were not married. The distribution of women giving birth who were unmarried among New York City boroughs was 67.8% in the Bronx, 43.6% in Queens, 43.2% in Brooklyn, 36.3% in Manhattan, and 30.0% in Staten Island. Community Districts falling in the highest quintile of women giving birth who were not married were Brownsville at 79.8%, followed by Mott Haven at 78.4%, Hunts Point at 78.2%, Morrisania at 77.7%, East Tremont at 77.0%, University/Morris Heights at 73.8%, East Harlem at 72.5%, Bushwick at 72.3%, Concourse, Highbridge and Bedford Stuyvesant, each at 70.8% and East New York at 70.5%. Only three Community Districts have fewer than 10% of women giving birth who were not married; they were Upper East Side at 7.8%, Battery Park, Tribeca at 8.8%, and Murray Hill at 8.9%.



Map 2. Percent of Live Births to Foreign Born Mothers by Community District of Residence New York City, 2004

Fifty-two and one-half percent of women giving birth in New York City in 2004 were foreign born. The distribution of foreign born women giving birth among New York City boroughs was 71.7% in Queens, 51.6% in Brooklyn, 51.4% in the Bronx, 45.5% in Manhattan and 34.2% in Staten Island. Community Districts falling in the highest quintile of foreign born women giving birth were Elmhurst, Corona at 90.6%, followed by Jackson Heights at 86.3%, Sunnyside, Woodside at 85.1%, Flushing at 79.3%, Sunset Park at 74.8%, Woodhaven at 73.5%, Rego Park, Forest Hills at 71.2%, Bensonhurst at 70.3%, Astoria, Long Island City and Fresh Meadows, Briarwood, each at 69.5%, and East Flatbush at 68.9%. Only three Community Districts have fewer than 30% of women giving birth who were foreign born; they were Tottenville at 16.4%, Park Slope at 26.8%, and Williamsburg, Greenpoint at 27.0%.

Table 37.

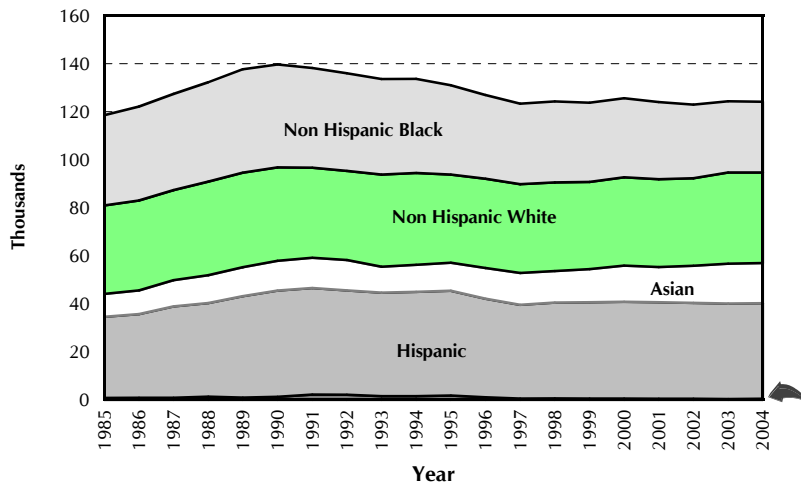
**Live Births by Mother's Birthplace and Borough of Residence
New York City, 2004**

Birthplace	Borough of Residence						Non-Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Bangladesh	1,561	55	193	377	908	13	15	-
China	6,103	1,536	93	2,326	1,828	88	232	-
Colombia	1,179	71	55	93	869	36	55	-
Cuba	66	12	11	7	21	3	12	-
Dominican Republic	8,144	2,223	3,359	1,250	1,087	47	177	1
Ecuador	3,104	234	365	629	1,799	27	50	-
El Salvador	731	36	98	134	403	9	51	-
Germany	273	121	15	61	19	10	47	-
Guyana	2,448	27	260	875	1,200	16	70	-
Haiti	1,681	68	42	1,084	364	15	108	-
Honduras	817	67	341	200	156	28	25	-
India	1,624	147	60	134	980	67	236	-
Ireland	267	45	29	21	118	6	48	-
Israel	1,111	182	19	576	171	31	132	-
Italy	314	96	11	73	49	37	48	-
Jamaica	3,362	74	879	1,449	776	35	149	-
Korea	1,008	151	24	72	576	24	161	-
Mexico	7,887	946	1,652	2,499	2,265	483	42	-
Pakistan	1,161	37	81	529	413	41	60	-
Philippines	830	108	66	90	393	46	127	-
Poland	821	41	2	348	334	46	50	-
Puerto Rico	1,977	244	984	433	176	61	79	-
Russia	969	106	20	482	194	83	84	-
Trinidad and Tobago	1,967	50	101	1,140	602	31	43	-
Ukraine	740	41	8	516	46	77	52	-
United States	56,365	10,667	8,987	18,479	7,502	3,753	6,974	3
Other & Not Stated	17,589	2,972	3,099	5,534	4,054	708	1,219	3
Total	124,099	20,357	20,854	39,411	27,303	5,821	10,346	7

Table 38.

**Live Births by Mother's Birthplace and Age of Mother
New York City, 2004**

Birthplace	Total	Age						Unknown
		<20	20-24	25-29	30-34	35-39	40+	
Bangladesh	1,561	41	331	622	391	152	24	-
China	6,103	61	1,173	2,254	1,723	739	153	-
Colombia	1,179	69	206	276	311	234	83	-
Cuba	66	2	3	15	21	19	6	-
Dominican Republic	8,144	632	1,925	2,290	1,938	1,084	275	-
Ecuador	3,104	210	758	830	686	466	154	-
El Salvador	731	56	177	232	169	74	23	-
Germany	273	5	24	39	91	94	20	-
Guyana	2,448	89	430	745	660	415	109	-
Haiti	1,681	33	226	418	490	359	155	-
Honduras	817	54	188	247	171	122	35	-
India	1,624	14	230	611	531	205	33	-
Ireland	267	-	11	37	110	82	27	-
Israel	1,111	16	196	319	377	150	53	-
Italy	314	3	12	48	113	106	32	-
Jamaica	3,362	210	701	827	799	598	227	-
Korea	1,008	2	32	223	512	208	31	-
Mexico	7,887	972	2,546	2,366	1,398	522	83	-
Pakistan	1,161	18	236	394	319	158	36	-
Philippines	830	7	67	198	282	215	61	-
Poland	821	14	122	331	237	92	25	-
Puerto Rico	1,977	234	535	509	387	242	70	-
Russia	969	9	128	327	310	146	49	-
Trinidad and Tobago	1,967	130	470	510	417	331	109	-
Ukraine	740	3	84	281	277	77	18	-
United States	56,365	5,293	12,146	12,634	14,482	9,156	2,654	-
Other & Not Stated	17,589	525	2,546	4,680	5,415	3,435	986	2
Total	124,099	8,702	25,503	32,263	32,617	19,481	5,531	2



**Figure 22. Live Births by Mother's Ethnic Group
New York City, 1985-2004**

The total number of live births registered in New York City rose about 18%, from 118,542 in 1985 to 139,630 in 1990, the highest number since 1970. After 1990, live births declined 11%. Since 1990, there were more births to Hispanic women than to women of any other ethnic group although births to Puerto Rican women declined. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989; by 2004 births to non-Hispanic white mothers declined 4%, and to non-Hispanic black mothers declined 32%. From 1985 to 2004, births to Asian and Pacific Islander women increased 75%, while the population of Asian and Pacific Islanders increased from about 230,000 in 1980 to over 489,000 in 1990 and 827,000 in 2000, a 2.6 fold increase.

Other & Unknown

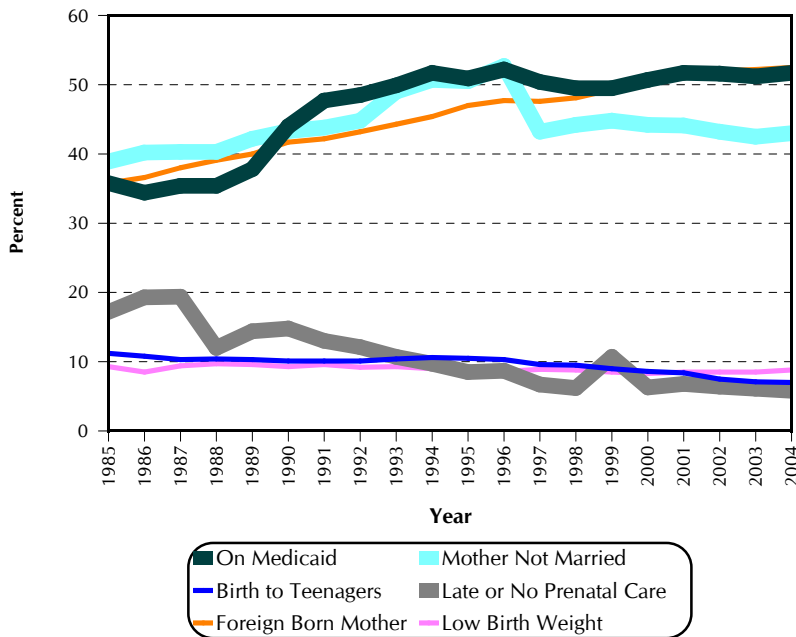


Figure 23. Percent of Live Births with Specified Characteristics, New York City, 1985-2004

The percent of live births to foreign born mothers increased steadily in the last two decades, from 35.8 in 1985 to 52.5 in 2004, reflecting the inflow of new immigrants. The percent of mothers giving birth on Medicaid surged during the late 1980s and early 1990s. The percent of low birth weight babies has been virtually flat for the past 20 years. The percent of late or no prenatal care has trended downward, from 17.2 in 1985 to 5.8 in 2004. The percent of mothers not married when they delivered a baby increased from 1984 to 1996. Note that the method used to compute mother's marital status was changed in 1997. As a result, unmarried mothers declined 19.2% in a sample tested by using both old and new methods. See the Special Note On Mother's Marital Status, Summary of Vital Statistics, 1997, pp.32-33. The percent of mothers not married decreased slightly since 1999, largely due to the decline of teenage mothers who are more likely to be not married.

Table 39.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 2004

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	8,702	7.0	18.7	36.6	35.8	84.8	10.2	10.7	88.5	81.6	86	9.9	60	6.9
MANHATTAN	1,224	6.0	22.3	43.8	31.8	83.3	10.4	10.1	93.0	90.0	13	10.6	9	7.4
Central Harlem	233	11.8	12.0	20.2	21.0	83.7	10.7	16.7	95.7	88.0	-	-	-	-
East Harlem	242	12.1	39.7	32.6	24.0	83.1	10.3	9.1	94.2	93.0	5	20.7	4	16.5
Kips Bay-Yorkville	26	0.8	19.2	19.2	7.7	96.2	19.2	-	100.0	76.9	-	-	-	-
Lower East Side	138	4.7	50.0	10.9	19.6	83.3	13.8	10.1	87.0	86.2	1	7.2	1	7.2
Lower West Side	76	2.1	30.3	23.7	22.4	89.5	9.2	10.5	84.2	81.6	1	13.2	1	13.2
Riverside	84	3.2	17.9	38.1	21.4	77.4	3.6	13.1	98.8	84.5	1	11.9	-	-
Washington Heights	425	10.4	8.7	80.0	51.3	82.6	10.1	7.1	92.7	93.9	5	11.8	3	7.1
BRONX	2,542	12.2	30.3	36.6	30.5	84.3	10.4	7.8	91.7	81.2	26	10.2	19	7.5
Fordham-Riverdale	418	10.3	25.1	51.0	39.5	84.7	8.1	6.0	88.5	81.1	3	7.2	2	4.8
Morrisania	464	14.2	32.3	33.2	24.4	82.5	11.0	8.6	92.2	75.9	6	12.9	4	8.6
Mott Haven	363	15.6	40.2	36.6	25.9	84.8	13.5	10.7	93.7	84.6	2	5.5	1	2.8
Pelham Bay	295	10.2	23.1	12.5	30.2	87.5	12.5	7.8	92.2	90.5	3	10.2	2	6.8
Tremont	568	13.3	23.4	45.8	34.9	83.6	9.3	5.3	92.8	72.2	5	8.8	5	8.8
Westchester	434	10.8	38.5	30.9	26.7	84.1	9.4	9.4	90.6	89.4	7	16.1	5	11.5
BROOKLYN	2,827	7.2	13.1	27.9	34.4	84.3	9.8	10.3	85.6	85.4	24	8.5	17	6.0
Bay Ridge	155	3.9	9.0	40.6	49.0	78.7	8.4	7.1	66.5	79.4	1	6.5	1	6.5
Bedford	332	9.2	9.0	6.9	24.4	84.6	11.4	11.1	96.1	83.7	2	6.0	2	6.0
Brownsville	527	11.1	13.5	9.9	21.4	84.6	12.1	15.7	96.0	85.2	7	13.3	3	5.7
Bushwick	401	11.3	24.4	44.1	34.2	84.3	8.2	12.5	94.8	84.0	3	7.5	2	5.0
Flatbush	485	5.9	3.9	21.9	47.8	88.2	10.7	9.3	83.5	88.0	5	10.3	4	8.2
Fort Greene	206	9.4	10.7	24.8	22.8	79.1	11.7	10.7	93.2	91.3	3	14.6	2	9.7
Gravesend	215	5.8	10.7	29.8	44.7	83.7	7.4	5.1	62.3	79.1	1	4.7	1	4.7
Red Hook-Gowanus	84	5.6	26.2	34.5	27.4	78.6	7.1	2.4	88.1	91.7	-	-	-	-
Sunset Park	261	5.5	14.9	60.9	50.2	84.3	5.7	5.7	76.2	85.4	2	7.7	2	7.7
Williamsburg-Greenpoint	161	5.2	19.3	40.4	23.0	87.0	9.3	9.9	67.7	88.2	-	-	-	-
QUEENS	1,625	6.0	8.8	48.1	51.3	87.3	10.2	16.5	87.0	75.4	20	12.3	13	8.0
Astoria-Long Island City	185	5.8	7.6	60.5	52.4	85.4	9.2	18.9	87.6	82.2	2	10.8	1	5.4
Corona	435	6.9	2.8	87.8	76.3	85.1	6.4	18.2	83.7	86.0	1	2.3	1	2.3
Flushing	123	2.7	5.7	45.5	56.1	90.2	12.2	9.8	76.4	77.2	1	8.1	-	-
Jamaica East	344	7.9	7.3	11.9	31.7	88.1	13.1	18.0	96.8	68.3	6	17.4	3	8.7
Jamaica West	394	7.2	14.2	28.7	39.1	87.3	12.2	14.2	86.8	65.2	8	20.3	7	17.8
Maspeth-Forest Hills	144	4.2	20.1	53.5	50.7	91.7	9.0	16.7	82.6	78.5	2	13.9	1	6.9
RICHMOND	346	5.9	17.1	32.1	35.3	83.8	9.5	10.1	85.3	66.8	3	8.7	2	5.8
NON-RESIDENTS	137	1.3	11.7	26.3	19.0	90.5	13.9	7.3	73.7	50.4	-	-	-	-
RESIDENCE UNKNOWN	1	-	-	-	-	-	-	-	-	-	-	-	-	-

*Rate per 1,000 live births to teenagers (age under 20).

Borough totals may be higher than the sum of the health center districts, as they may include some live births whose health center district could not be determined.

Table 40.

Live Births to Teenagers by Selected Characteristics, New York City, 1991-2004

	Year													
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Total Live Births	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563	124,023	122,937	124,345	124,099
Percent to Teenagers	10.1	10.1	10.4	10.6	10.5	10.3	9.6	9.5	9.0	8.6	8.4	7.5	7.1	7.0
Births to Teenagers	13,999	13,795	13,848	14,156	13,713	13,020	11,793	11,789	11,145	10,800	10,386	9,240	8,831	8,702
Percent of Births with Specified Characteristics:														
Puerto Rican	27.0	25.9	25.6	23.4	22.2	22.3	22.2	22.5	21.3	19.6	18.1	18.4	18.3	18.7
Other Hispanic	19.1	20.8	21.6	23.8	28.2	27.2	27.2	28.7	30.7	32.8	35.0	34.0	35.9	36.6
Foreign Born Mother	26.0	26.9	27.9	28.6	30.8	31.3	32.5	32.1	33.5	35.1	36.5	36.4	36.4	35.8
First Live Birth	77.4	78.2	77.9	77.5	78.2	80.2	81.5	81.8	82.2	82.9	84.4	84.0	84.4	84.8
Under 2,500 Grams	11.5	10.4	11.1	10.7	10.6	9.7	10.8	10.3	10.3	9.7	10.1	10.4	9.7	10.2
Prenatal Care in First 6 Months of Pregnancy	64.0	65.6	66.1	69.5	71.3	71.7	67.3	68.8	69.8	77.7	80.7	83.2	85.6	86.9
Not Married	83.1	84.2	88.1	89.8	89.3	90.8	87.3	88.6	89.0	89.1	88.1	88.4	88.6	88.5
On Medicaid	78.0	79.2	79.4	80.6	78.6	81.5	80.2	78.5	77.7	79.3	81.7	80.1	80.5	81.6
Infant Mortality Rate*	13.6	11.0	11.9	9.9	12.3	9.4	9.5	7.5	8.5	8.3	7.4	9.2	8.5	9.9

*Rate per 1,000 live births to teenagers (age under 20).

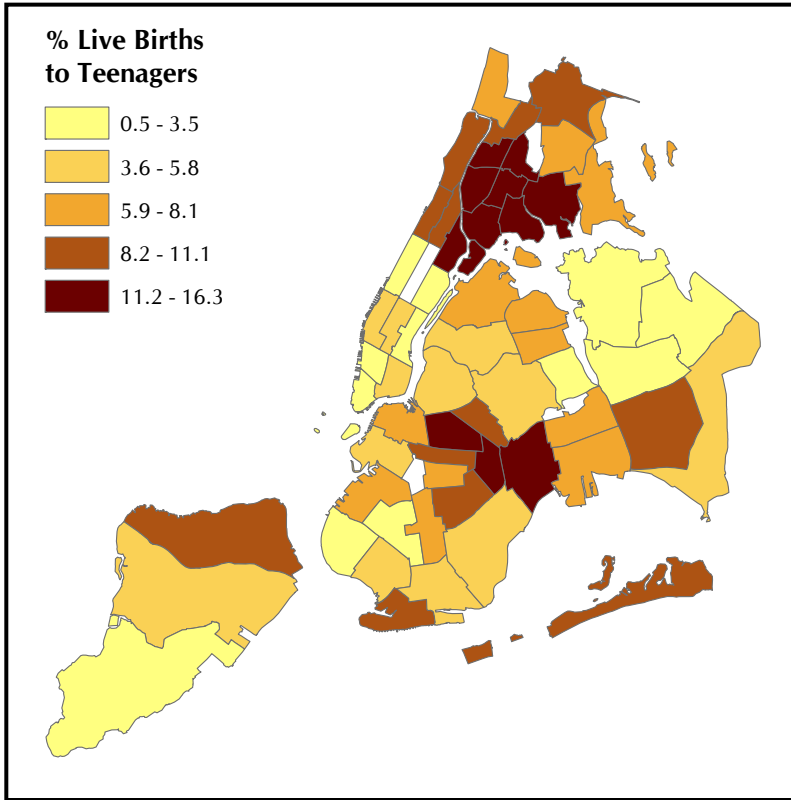
Table 41.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 2004**

Community District	Percent of Live Births with Specified Characteristics										Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
	Live Births	Percent of Total Live Births	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	8,702	7.0	18.7	36.6	35.8	84.8	10.2	10.7	88.5	81.6	86	9.9	60	6.9
Manhattan	1,220	6.0	22.3	43.8	31.8	83.4	10.3	10.2	93.0	89.9	13	10.7	9	7.4
Battery Park, Tribeca (01)	3	0.5	-	33.3	-	66.7	-	33.3	100.0	33.3	-	-	-	-
Greenwich Village, SOHO (02)	8	1.0	37.5	12.5	25.0	87.5	-	-	87.5	87.5	-	-	-	-
Lower East Side (03)	129	5.7	51.2	10.9	19.4	82.9	13.2	7.8	86.8	87.6	1	7.8	1	7.8
Chelsea, Clinton (04)	38	4.3	31.6	34.2	31.6	84.2	13.2	13.2	71.1	84.2	1	26.3	1	26.3
Midtown Business District (05)	17	3.5	35.3	5.9	5.9	100.0	5.9	11.8	100.0	88.2	-	-	-	-
Murray Hill (06)	10	0.8	30.0	10.0	20.0	90.0	20.0	40.0	90.0	70.0	-	-	-	-
Upper West Side (07)	65	2.2	18.5	35.4	20.0	83.1	4.6	7.7	98.5	81.5	1	15.4	-	-
Upper East Side (08)	34	1.2	23.5	17.6	5.9	91.2	17.6	2.9	100.0	73.5	1	29.4	1	29.4
Manhattanville (09)	151	9.7	10.6	64.2	40.4	78.8	7.9	9.3	94.0	90.7	3	19.9	2	13.2
Central Harlem (10)	193	11.1	11.4	19.7	23.3	86.0	9.8	18.1	95.3	87.6	-	-	-	-
East Harlem (11)	274	15.3	36.1	31.8	22.6	81.8	10.9	9.1	94.5	93.4	4	14.6	3	10.9
Washington Heights (12)	298	10.0	8.4	84.6	54.7	83.6	10.4	7.4	92.6	94.6	2	6.7	1	3.4
Bronx	2,546	12.1	30.2	36.6	30.5	84.3	10.4	7.8	91.7	81.2	26	10.2	19	7.5
Mott Haven (01)	257	16.3	43.6	33.5	23.3	85.2	15.2	10.1	93.4	84.4	2	7.8	1	3.9
Hunts Point (02)	128	14.8	35.9	43.8	32.0	85.9	7.8	11.7	92.2	85.2	1	7.8	1	7.8
Morrisania (03)	207	16.3	32.9	26.1	16.4	76.8	9.7	7.2	96.1	75.4	2	9.7	-	-
Concourse, Highbridge (04)	347	11.8	23.9	45.2	39.5	82.4	10.4	8.9	89.6	75.5	4	11.5	4	11.5
University/Morris Heights (05)	328	13.4	22.0	45.7	32.3	84.8	10.4	4.0	95.4	69.5	2	6.1	2	6.1
East Tremont (06)	213	14.9	33.3	36.2	30.5	85.0	10.3	8.0	91.1	68.1	3	14.1	2	9.4
Fordham (07)	269	10.8	24.5	53.2	38.7	86.2	8.6	5.2	87.0	87.4	1	3.7	1	3.7
Riverdale (08)	76	7.0	26.3	55.3	36.8	85.5	5.3	6.6	89.5	88.2	1	13.2	1	13.2
Unionport, Soundview (09)	325	12.3	38.2	30.8	24.3	83.1	9.8	8.0	92.6	87.7	5	15.4	4	12.3
Throgs Neck (10)	74	8.1	44.6	16.2	17.6	86.5	12.2	6.8	89.2	91.9	2	27.0	1	13.5
Pelham Parkway (11)	111	8.0	27.9	32.4	38.7	86.5	7.2	14.4	82.9	91.0	1	9.0	1	9.0
Williamsbridge (12)	211	10.9	20.9	9.5	31.3	88.2	13.7	7.1	93.8	91.9	2	9.5	1	4.7
Brooklyn	2,827	7.2	13.1	27.9	34.4	84.3	9.8	10.3	85.6	85.4	24	8.5	17	6.0
Williamsburg, Greenpoint (01)	161	5.2	19.3	40.4	23.0	87.0	9.3	9.9	67.7	88.2	-	-	-	-
Fort Green, Brooklyn Heights (02)	67	6.1	11.9	31.3	22.4	80.6	4.5	11.9	94.0	88.1	-	-	-	-
Bedford Stuyvesant (03)	291	13.0	11.0	13.7	19.6	80.8	13.1	8.6	94.5	86.3	3	10.3	3	10.3
Bushwick (04)	234	11.1	24.8	51.7	36.3	85.5	7.7	13.2	94.9	91.0	2	8.5	2	8.5
East New York (05)	356	12.5	20.2	23.0	23.3	84.8	10.4	15.2	94.9	77.2	4	11.2	2	5.6
Park Slope (06)	78	5.3	28.2	35.9	21.8	79.5	6.4	-	92.3	92.3	-	-	-	-
Sunset Park (07)	207	8.0	20.8	68.1	53.6	80.7	7.2	6.8	86.5	91.3	3	14.5	3	14.5
Crown Heights North (08)	134	9.1	7.5	6.7	23.9	83.6	11.9	14.9	95.5	86.6	1	7.5	-	-
Crown Heights South (09)	103	5.9	4.9	13.6	38.8	87.4	15.5	9.7	92.2	89.3	3	29.1	3	29.1
Bay Ridge (10)	59	3.5	10.2	32.2	55.9	76.3	8.5	6.8	55.9	74.6	-	-	-	-
Bensonhurst (11)	77	3.5	3.9	45.5	53.2	76.6	6.5	6.5	75.3	84.4	-	-	-	-
Borough Park (12)	151	3.3	3.3	35.1	44.4	88.1	5.3	6.6	48.3	71.5	-	-	-	-
Coney Island (13)	106	9.0	14.2	30.2	30.2	86.8	9.4	4.7	67.0	87.7	-	-	-	-
Flatbush, Midwood (14)	184	6.5	3.3	35.3	54.9	90.2	8.7	5.4	85.3	87.5	3	16.3	2	10.9
Sheepshead Bay (15)	89	4.5	7.9	22.5	59.6	83.1	5.6	5.6	55.1	69.7	1	11.2	1	11.2
Brownsville (16)	202	13.5	16.3	8.4	18.8	83.7	12.9	14.9	98.0	91.1	1	5.0	1	5.0
East Flatbush (17)	199	8.4	4.0	8.5	46.7	85.9	11.1	12.1	93.0	90.5	2	10.1	-	-
Canarsie (18)	128	5.2	3.9	7.0	29.7	87.5	12.5	16.4	89.8	83.6	1	7.8	-	-
Queens	1,625	6.0	8.8	48.1	51.3	87.3	10.2	16.5	87.0	75.4	20	12.3	13	8.0
Astoria, Long Island City (01)	135	6.1	7.4	51.1	47.4	83.7	8.1	18.5	88.1	81.5	1	7.4	1	7.4
Sunnyside, Woodside (02)	75	5.0	6.7	84.0	66.7	89.3	8.0	21.3	82.7	84.0	1	13.3	-	-
Jackson Heights (03)	223	7.9	3.1	91.0	75.3	82.5	5.4	17.0	85.7	88.8	-	-	-	-
Elmhurst, Corona (04)	195	6.4	2.6	84.6	79.0	88.2	8.7	18.5	83.1	83.1	2	10.3	2	10.3
Ridgewood, Glendale (05)	120	5.8	22.5	54.2	46.7	90.8	10.0	15.0	85.0	81.7	1	8.3	-	-
Rego Park, Forest Hills (06)	14	1.2	7.1	35.7	64.3	92.9	-	35.7	57.1	50.0	-	-	-	-
Flushing (07)	77	3.2	2.6	58.4	67.5	90.9	13.0	11.7	77.9	74.0	-	-	-	-
Fresh Meadows, Briarwood (08)	55	3.0	14.5	27.3	43.6	89.1	18.2	7.3	74.5	80.0	1	18.2	-	-
Woodhaven (09)	118	5.9	16.9	42.4	46.6	92.4	11.0	10.2	76.3	52.5	2	16.9	2	16.9
Howard Beach (10)	101	6.7	14.9	22.8	46.5	89.1	7.9	11.9	86.1	66.3	3	29.7	3	29.7
Bayside (11)	9	1.3	-	22.2	33.3	88.9	-	-	77.8	77.8	-	-	-	-
Jamaica, St. Albans (12)	274	9.5	8.0	16.8	31.4	86.1	12.8	17.5	96.7	66.4	4	14.6	3	10.9
Queens Village (13)	104	5.7	4.8	10.6	37.5	91.3	12.5	19.2	97.1	73.1	2	19.2	-	-
The Rockaways (14)	125	10.0	12.8	15.2	21.6	82.4	15.2	20.0	95.2	74.4	3	24.0	2	16.0
Staten Island	346	5.9	17.1	32.1	35.3	83.8	9.5	10.1	85.3	66.8	3	8.7	2	5.8
Port Richmond (01)	249	9.9	17.3	39.0	41.0	82.3	10.8	11.2	88.0	74.3	2	8.0	1	4.0
Willowbrook, South Beach (02)	67	4.5	20.9	14.9	19.4	91.0	7.5	7.5	79.1	44.8	1	14.9	1	14.9
Tottenville (03)	28	1.6	7.1	14.3	25.0	82.1	3.6	7.1	75.0	53.6	-	-	-	-

*Rate per 1,000 live births.

Borough totals may be higher than the sum of the community districts, as they may include some live births whose community district could not be determined.



**Map 3. Percent of Live Births to Teenagers
by Community District of Residence
New York City, 2004**

Community Districts falling in the highest quintile of births to teenagers are the same as those in 2003: Mott Haven and Morrisania, each with 16.3%, followed by East Harlem with 15.3%, East Tremont with 14.9%, Hunts Point with 14.8%, Brownsville with 13.5%, University/Morris Heights with 13.4% and Bedford Stuyvesant with 13.0%. Five Community Districts had fewer than 2% of their 2004 births to teenagers; they were Battery Park, Tribeca with 0.5% of births to teenagers, Greenwich Village, SOHO with 1.0%, Rego Park, Forest Hills with 1.2%, Bayside with 1.3% and Tottenville with 1.6%.

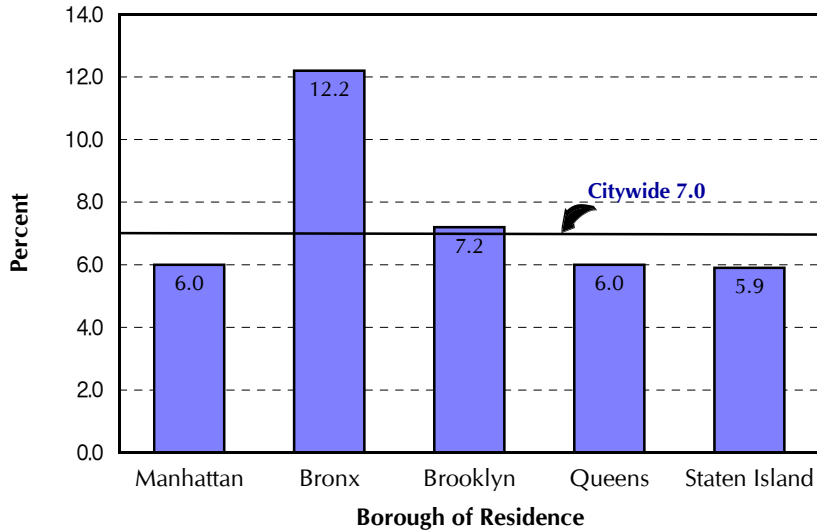


Figure 24. Percent of Live Births to Teenagers by Borough of Residence New York City, 2004

In 2004, of all live births in the five boroughs of New York City, the Bronx had the highest percent of teen births, 12.2%. This was two times higher than the percent of live births to teenagers in Manhattan, at 6.0%; Queens, at 6.0%; and Staten Island, at 5.9%. The percent of teen births in Brooklyn was 7.2% in 2004. Citywide live births to teenage mothers continued to decline, from 7.1% in 2003 to 7.0% in 2004. This compares to 10.3% in the U.S. in 2003, the latest year for which data were available.

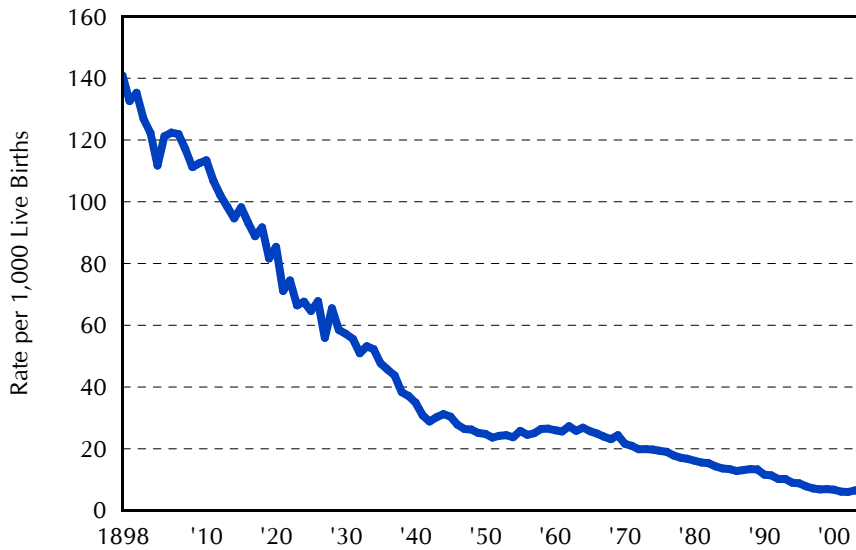


Figure 25. Infant Mortality Rate
New York City, 1898 - 2004

The Infant Mortality Rate (IMR) was first estimated for NYC when its boundaries were extended to include all five boroughs, in 1898. The IMR 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 twentieth century, and in access to medical care advances in recent years, have contributed to the decline to 6.1 deaths per 1,000 live births in 2004.

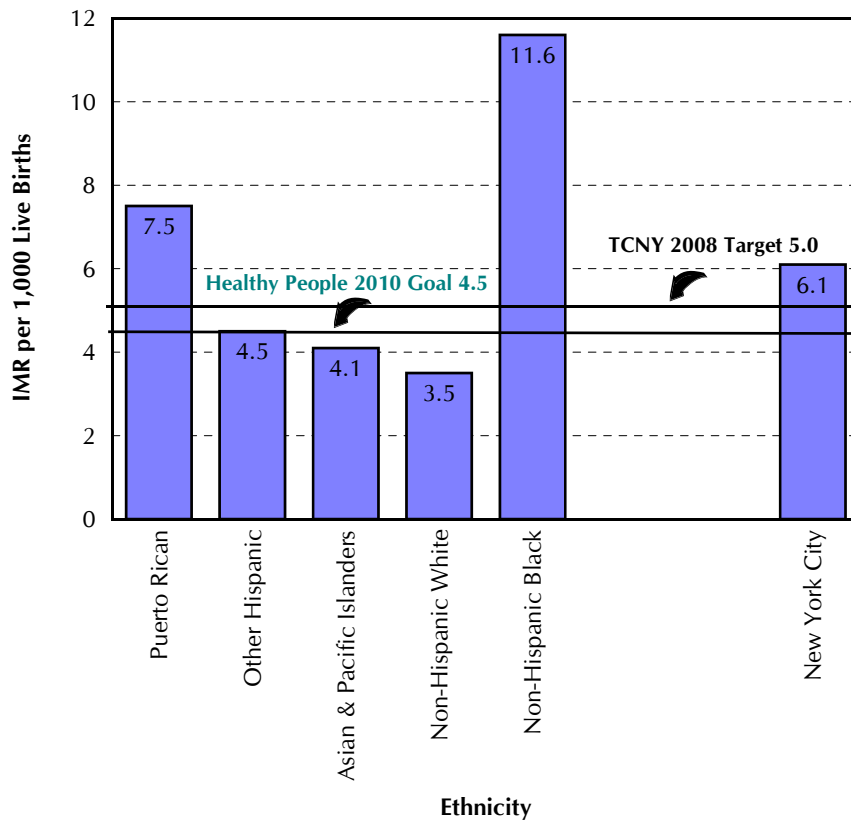
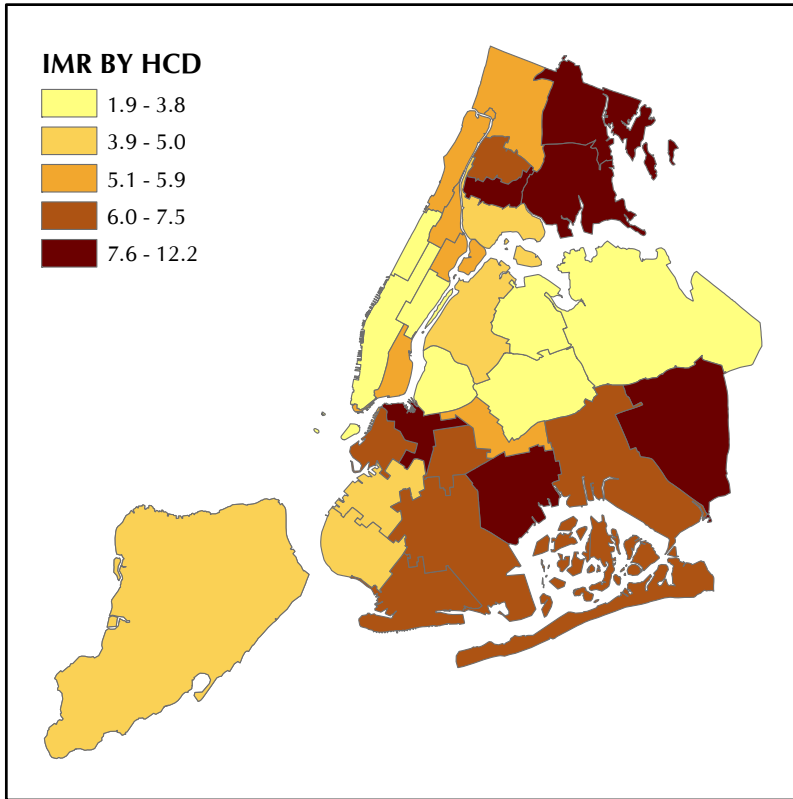


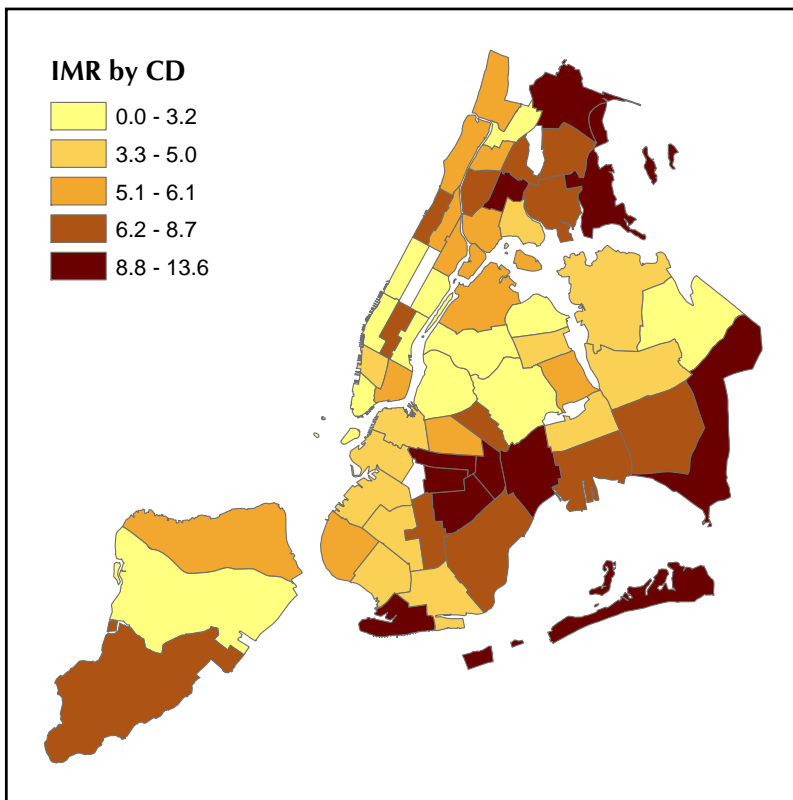
Figure 26. Infant Mortality Rate by Ethnicity
New York City, 2004

The "Take Care New York" 2008 target and the Healthy People 2010 goal for IMR are 5.0 and 4.5 infant deaths per 1,000 live births respectively. This graph shows the IMR varies greatly by ethnicity. Non-Hispanic Whites, Asian & Pacific Islanders and Other Hispanics have already met both the 2008 and 2010 goal in 2004 with IMRs of 3.5, 4.1 and 4.5 deaths per 1,000 live births. However, IMRs remain high among Puerto Ricans at 7.5 deaths per 1,000 live births and Non-Hispanic Blacks at 11.6 deaths per 1,000 live births. The citywide infant mortality rate was 6.1 infant deaths per 1,000 live births in 2004.



**Map 4. Infant Mortality Rate
by Health Center District of Residence
New York City, 2004**

When assessing New York City by Health Center District, this map shows Brownsville had the highest IMR at 12.2, followed by Jamaica East at 10.1, Pelham Bay at 9.0, Morrisania at 8.9, Westchester at 8.7 and Fort Greene at 7.8 deaths per 1,000 births. All Health Center Districts falling in the two lowest quintiles have met both the TCNY 2008 goal and the the Healthy People 2010 goal of 5.0 and 4.5 infant deaths per 1,000 live births respectively.



**Map 5. Infant Mortality Rate
by Community District of Residence
New York City, 2004**

This map shows IMR by Community District. IMRs that fall in the highest quintile were the Rockaways with the highest IMR at 13.6, followed by East Flatbush at 12.3, Coney Island at 11.0, Brownsville at 10.7, Morrisania at 10.3, East New York at 10.2, Queens Village at 9.9, Williamsbridge at 9.8 and Throgs Neck at 8.8. Twenty-four Community Districts fall in the two lowest quintiles and have therefore met the TCNY 2008 goal of 5.0 deaths per 1,000 births. Among them are six Community Districts that are near but have not quite met the Healthy People 2010 goal of 4.5 deaths per 1,000. They include Washington Heights and Fresh Meadow, Briarwood each at 5.0, Elmhurst, Corona at 4.9, Park Slope at 4.8 and Hunts Point and Fort Green, Brooklyn Heights each at 4.6. Those Community Districts where IMR fell well below the Healthy People 2010 goal of 4.5 infant deaths per 1,000 live births were Sunnyside, Woodside at 0.7 deaths per 1,000 births, Bayside at 1.4, Chelsea, Clinton at 2.2, Murray Hill at 2.3, Upper West Side and Ridgewood, Glendale, each at 2.4, Willowbrook, South Beach at 2.7 and Upper East Side at 2.8.

Table 42.

Live Births and Infant Deaths by Birth Weight, Ethnic Group*, and Age, New York City, 2004

Birth Weight in Grams	Live Births							Infant Deaths																
	Total							Age Under 28 Days							Age Under 7 Days									
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.						
Less than 500.....	121	32	13	65	9	2	108	28	10	59	9	2	104	26	10	57	9	2	99	25	9	54	9	2
500-999.....	895	273	134	415	65	8	274	71	38	141	23	1	221	60	34	108	18	1	166	44	28	77	16	1
1000-1499.....	1,099	307	260	427	91	14	52	15	13	19	4	1	34	9	9	13	3	-	23	7	5	8	3	-
1500-1999.....	2,184	629	528	765	247	15	44	12	8	19	5	-	21	4	6	10	1	-	14	2	5	6	1	-
2000-2499.....	6,665	1,885	1,708	2,114	918	40	59	10	9	29	11	-	34	5	6	17	6	-	18	4	2	8	4	-
Less than 2500.....	10,964	3,126	2,643	3,786	1,330	79	537	136	78	267	52	4	414	104	65	205	37	3	320	82	49	153	33	3
2500-2999.....	24,371	7,458	6,326	6,740	3,748	99	63	21	14	23	5	-	34	13	6	11	4	-	20	7	2	8	3	-
3000-3499.....	48,332	15,784	14,397	10,850	7,138	163	71	26	9	30	6	-	27	11	4	10	2	-	14	4	2	6	2	-
3500-3999.....	31,573	10,432	10,950	6,391	3,712	88	28	8	7	9	3	1	16	4	5	6	-	1	9	2	4	3	-	-
4000-4499.....	7,649	2,588	2,900	1,432	707	22	8	2	1	4	1	-	4	1	-	2	1	-	3	-	-	2	1	-
4500-4999.....	1,082	365	400	218	95	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5000 & over.....	125	44	43	32	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 & over.....	113,132	36,671	35,016	25,663	15,406	376	170	57	31	66	15	1	81	29	15	29	7	1	46	13	8	19	6	-
Not stated.....	3	1	-	-	-	2	1	1	-	-	-	-	1	1	-	-	-	-	1	1	-	-	-	-
Unmatched**.....	-	-	-	-	-	-	52	15	22	9	2	4	20	5	9	3	1	2	10	3	4	3	-	-
Total.....	124,099	39,798	37,659	29,449	16,736	457	760	209	131	342	69	9	516	139	89	237	45	6	377	99	61	175	39	3

* Ethnic group is defined by mother's information on the infant's birth certificate. However, 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.

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

Table 43.

Infant Mortality Rates* by Birth Weight, Ethnic Group, and Age, New York City, 2004

Birth Weight in Grams	Total						Age Under 28 Days					Age Under 7 Days				
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	
Less than 500.....	892.6	**	**	**	**	859.5	**	**	**	**	818.2	**	**	**	**	
500-999.....	306.1	260.1	283.6	339.8	**	246.9	219.8	253.7	260.2	**	185.5	161.2	209.0	185.5	**	
1000-1499.....	47.3	48.9	50.0	44.5	**	30.9	29.3	34.6	30.4	**	20.9	22.8	19.2	18.7	**	
1500-1999.....	20.1	19.1	15.2	24.8	20.2	9.6	6.4	11.4	13.1	4.0	6.4	3.2	9.5	7.8	4.0	
2000-2499.....	8.9	5.3	5.3	13.7	12.0	5.1	2.7	3.5	8.0	6.5	2.7	2.1	1.2	3.8	4.4	
Less than 2500.....	49.0	43.5	29.5	70.5	39.1	37.8	33.3	24.6	54.1	27.8	29.2	26.2	18.5	40.4	24.8	
2500-2999.....	2.6	2.8	2.2	3.4	1.3	1.4	1.7	0.9	1.6	1.1	0.8	0.9	0.3	1.2	0.8	
3000-3499.....	1.5	1.6	0.6	2.8	0.8	0.6	0.7	0.3	0.9	0.3	0.3	0.3	0.1	0.6	0.3	
3500-3999.....	0.9	0.8	0.6	1.4	0.8	0.5	0.4	0.5	0.9	-	0.3	0.2	0.4	0.5	-	
4000-4499.....	1.0	0.8	0.3	2.8	1.4	0.5	0.4	-	1.4	1.4	0.4	-	-	1.4	1.4	
4500-4999.....	-	-	-	-	**	-	-	-	-	**	-	-	-	-	**	
5000 & over.....	-	**	**	**	**	-	**	**	**	**	-	**	**	**	**	
2500 & over.....	1.5	1.6	0.9	2.6	1.0	0.7	0.8	0.4	1.1	0.5	0.4	0.4	0.2	0.7	0.4	
Total.....	6.1	5.3	3.5	11.6	4.1	4.2	3.5	2.4	8.0	2.7	3.0	2.5	1.6	5.9	2.3	

* Rate per 1,000 live births. Births and deaths included here were registered in 2004 and do not represent a true birth cohort. ** Rate not computed where base is less than 100.

Table 44.

Infant Deaths by Ethnic Group and Cause by Sex and Age, New York City, 2004

	Comparability Ratio**	Total	MALE			FEMALE		
			Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total		760	209	74	131	168	65	113
Ethnic Group*								
Hispanic		209	61	18	40	38	22	30
Non-Hispanic, White		131	27	20	23	34	8	19
Non-Hispanic, Black		342	99	31	51	76	31	54
Asian and Pacific Islanders		69	19	3	16	20	3	8
Other and not stated		9	3	2	1	-	1	2
Cause of Death (ICD-10 Codes)								
# Diseases of the Circulatory System (I00-I99)	0.66	16	2	1	5	-	-	8
# Influenza and Pneumonia (J10-J18)	0.73	10	-	2	7	-	-	1
# Newborn Affected by Maternal Complications of Pregnancy (P01)	1.05	17	10	-	1	6	-	-
# Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	1.02	16	6	2	2	5	-	1
# Short Gestation and Low Birth Weight (P07)	1.11	107	41	1	18	30	6	11
# Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	1.32	10	3	3	-	1	2	1
# Respiratory Distress of Newborn (P22)	0.87	52	21	3	3	19	5	1
# Pulmonary Hemorrhage Originating in the Perinatal Period (P26)	1.53	17	10	1	-	3	3	-
# Atelectasis (P28.0-P28.1)	2.22	11	5	1	-	4	1	-
##Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)		16	3	2	2	7	1	1
##Cardiovascular Disorders Originating in the Perinatal Period (P29)		104	48	10	1	40	4	1
##Infections Specific to the Perinatal Period (P35-P39)	1.15	17	4	4	1	3	5	-
# Neonatal Hemorrhage (P50-P52, P54)	1.31	15	6	1	-	8	-	-
# Necrotizing Enterocolitis of Newborn (P77)	1.19	20	1	6	-	2	11	-
Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)		25	11	3	-	7	4	-
# Congenital Malformations, Deformations (Q00-Q99)	0.93	154	33	22	25	25	19	30
Congenital Malformations of Heart (Q20-Q24)	1.01	53	10	9	9	4	8	13
# Sudden Infant Death Syndrome (R95)	1.06	11	1	-	3	-	-	7
All Other Diseases (Rest of A00-R99)		81	2	4	36	4	2	33
##External Causes (V01-Y89)	1.00	61	2	8	27	4	2	18

Eligible to be ranked as leading causes nationally and in New York City.

Contain causes eligible to be ranked as a leading cause nationally but infrequent in New York City; these created groups permit recognition of important causes of infant deaths.

* Ethnic group is defined by mother's information on the infant's birth certificate. However, 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 comparability ratio represents the net effects of changing from ICD-9 to ICD-10 for the selected cause or group of causes.

The comparability ratios in bold are changed from preliminary ones. See Technical Notes: Cause of Death, Comparability Ratio.

Table 45. Live Births, Infant Deaths and Infant Mortality Rate (IMR) by Mother's Birthplace, New York City, 2004

Birthplace	Live Births	Infant Deaths	IMR
Dominican Republic	8,144	33	4.1
Mexico	7,887	37	4.7
China	6,103	16	2.6
Jamaica	3,362	28	8.3
Ecuador	3,104	8	2.6
Guyana	2,448	18	7.4
Trinidad and Tobago	1,967	17	8.6
Haiti	1,681	24	14.3
India	1,624	8	4.9
Bangladesh	1,561	7	4.5
Colombia	1,179	4	3.4
Pakistan	1,161	10	8.6
Israel	1,111	6	5.4
Korea	1,008	2	2.0
Russia	969	4	4.1
Philippines	830	3	3.6
Poland	821	1	1.2
Honduras	817	2	2.4
Ukraine	740	5	6.8
Ghana	738	9	12.2
El Salvador	731	-	-
Nigeria	714	4	5.6
United Kingdom	616	2	3.2
Peru	582	2	3.4
Canada	560	4	7.1
Puerto Rico	1,977	9	4.6
United States	56,365	373	6.6
All Others	14,681	59	4.0
Unknown	618	13	-
Non-New York City Births	-	52	-
New York City Total	124,099	760	6.1

Table 46.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1988 - 2004**

Mother's Ethnic Group (1)	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002**	2003	2004
Live Births, Total	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563	124,023	122,937	124,345	124,099
Puerto Rican	18,822	19,248	19,327	18,851	17,856	16,568	15,182	13,895	12,925	12,947	13,056	12,184	11,615	10,846	10,678	10,172	10,140
Other Hispanic	20,145	23,013	24,912	25,564	25,556	26,571	28,298	29,717	28,114	26,108	26,793	27,887	28,695	29,310	29,229	29,587	29,658
Asian and Pacific Islander	11,597	12,051	12,394	12,602	12,688	10,742	11,268	11,647	12,782	13,226	13,132	13,768	15,106	14,662	15,396	16,577	16,736
Other White	38,992	39,362	38,906	37,464	37,102	38,403	38,203	36,711	37,215	37,006	36,957	36,369	36,752	36,581	36,445	38,018	37,659
Other Black	41,356	43,069	42,844	41,486	40,662	39,768	39,195	37,217	34,798	33,500	33,675	32,960	32,879	32,123	30,690	29,646	29,449
Other & Unknown	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639	571	516	501	499	345	457
Infant Deaths (Under 1 Year) (2) Total	1,770	1,827	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843	848	839	760	742	807	760
Puerto Rican	241	257	238	211	194	178	120	146	112	96	85	95	98	74	83	81	76
Other Hispanic	186	219	195	187	170	196	174	197	164	141	129	156	140	151	150	164	133
Asian and Pacific Islander	79	93	67	76	73	61	57	57	56	51	49	55	59	46	39	58	69
Other White	353	321	300	278	227	244	223	204	197	189	201	167	165	154	148	146	131
Other Black	891	911	797	777	676	646	598	522	448	385	363	350	366	322	311	336	342
Other & Unknown	20	26	23	46	50	41	35	29	15	19	16	25	11	13	11	22	9
Infant Mortality Rate (3) Total	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9	6.7	6.1	6.0	6.5	6.1
Puerto Rican	12.8	13.4	12.3	11.2	10.9	10.7	7.9	10.5	8.7	7.4	6.5	7.8	8.4	6.8	7.8	8.0	7.5
Other Hispanic	9.2	9.5	7.8	7.3	6.7	7.4	6.1	6.6	5.8	5.4	4.8	5.6	4.9	5.2	5.1	5.5	4.5
Asian and Pacific Islander	6.8	7.7	5.4	6.0	5.8	5.7	5.1	4.9	4.4	3.9	3.7	4.0	3.9	3.1	2.5	3.5	4.1
Other White	9.1	8.2	7.7	7.4	6.1	6.4	5.8	5.6	5.3	5.1	5.4	4.6	4.5	4.2	4.1	3.8	3.5
Other Black	21.5	21.2	18.6	18.7	16.6	16.2	15.3	14.0	12.9	11.5	10.8	10.6	11.1	10.0	10.1	11.3	11.6
Neonatal Deaths (Under 28 Days) Total	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593	606	583	524	497	542	516
Puerto Rican	159	172	155	138	138	108	67	113	72	60	60	74	59	54	59	51	47
Other Hispanic	133	153	136	136	120	136	122	143	113	107	92	113	94	112	106	110	92
Asian and Pacific Islander	59	60	44	45	50	38	42	44	35	37	34	39	45	29	26	43	45
Other White	264	238	222	201	157	177	158	146	139	130	139	120	119	102	100	99	89
Other Black	602	610	518	533	436	425	389	342	283	257	252	236	257	215	196	221	237
Neonatal Mortality Rate (3) Total	9.3	9.1	7.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8	4.9	4.6	4.2	4.0	4.4	4.2
Puerto Rican	8.4	8.9	8.0	7.3	7.7	6.5	4.4	8.1	5.6	4.6	4.6	6.1	5.1	5.0	5.5	5.0	4.6
Other Hispanic	6.6	6.6	5.5	5.3	4.7	5.1	4.3	4.8	4.0	4.1	3.4	4.1	3.3	3.8	3.6	3.7	3.1
Asian and Pacific Islander	5.1	5.0	3.6	3.6	3.9	3.5	3.7	3.8	2.7	2.8	2.6	2.8	3.0	2.0	1.7	2.6	2.7
Other White	6.8	6.0	5.7	5.4	4.2	4.6	4.1	4.0	3.7	3.5	3.8	3.3	3.2	2.8	2.7	2.6	2.4
Other Black	14.6	14.2	12.1	12.8	10.7	10.7	9.9	9.2	8.1	7.7	7.5	7.2	7.8	6.7	6.4	7.5	8.0
Maternal Causes, Total *	26	29	35	24	30	20	29	26	22	17	16	24	30	41	31	22	28
Puerto Rican	2	4	1	4	2	2	4	3	1	1	1	1	-	2	-	1	-
Other Hispanic	6	2	4	2	3	2	5	7	4	2	2	3	7	7	6	1	8
Asian and Pacific Islander	1	1	1	-	1	-	2	1	1	1	1	1	1	-	-	1	4
Other White	2	2	2	2	6	-	6	-	4	2	2	6	2	4	7	3	1
Other Black	15	20	25	15	16	14	12	14	11	11	10	12	20	27	17	16	15
Maternal Mortality Ratio (4) Total	19.7	21.1	25.1	17.4	22.1	15.0	21.7	19.8	17.3	13.8	12.9	19.4	23.9	33.1	25.2	17.7	22.6
Puerto Rican	10.6	20.8	5.2	21.2	11.2	12.1	26.3	21.6	7.7	7.7	7.7	8.2	-	18.4	-	9.8	-
Other Hispanic	29.8	8.7	16.1	7.8	11.7	7.5	17.7	23.6	14.2	7.7	7.5	10.8	24.4	23.9	20.5	3.4	27.0
Asian and Pacific Islander	8.6	8.3	8.1	-	7.9	-	17.7	8.6	7.8	7.6	7.6	7.3	6.6	-	-	6.0	23.9
Other White	5.1	5.1	5.1	5.3	16.2	-	15.7	-	10.7	5.4	5.4	16.5	5.4	10.9	19.2	7.9	2.7
Other Black	36.3	46.4	58.4	36.2	39.3	35.2	30.6	37.6	31.6	32.8	29.7	36.4	60.8	84.1	55.4	54.0	50.9

* Includes deaths while pregnant or within 42 days of termination. See Technical Notes: Maternal Death and Maternal Mortality.

** A cause of death coding error was found for 2002. As a result, death of maternal cause was reduced by one, meanwhile HIV disease death increased by one.

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

Those of other ancestries are classified as Other White, Other Black, Other and Unknown based on race. See Technical Notes: Race, Ancestry, Ethnicity, and Birthplace.

(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 was corrected in 1997, 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) Ratio per 100,000 live births.

Table 47.

Cases of Selected Reportable Diseases, New York City, 1940-2004

Year	Tuberculosis	Measles	Rubella	West Nile Virus**	Pertussis	Meningococcal Meningitis	Scarlet Fever	Encephalitis	Hepatitis A	Hepatitis B	Syphilis		Gonorrhea
											Total	Primary & Secondary	
1940	9,005	10,496	988		5,775	48	13,569	28			30,178	3,113	14,639
1941-1945	8,608	24,890	7,360		5,706	705	8,111	42			25,773	4,124	13,955
1946-1950	7,862	17,348	2,442		2,574	145	3,579	55			24,144	2,686	21,522
1951-1955	7,002	20,025	3,956		1,726	135	2,253	256			22,046	685	12,468
1956-1960	5,472	18,170	3,893		966	73	2,125	197			15,124	1,242	13,270
1961-1965	4,427	12,279	5,744		253	58	1,442	172			19,052	3,259	23,005
1966	3,663	8,381	1,036		206	56	799	146			13,724	2,364	29,679
1967	3,542	529	1,030		179	65	731	61			13,918	1,987	27,373
1968	3,224	2,445	3,074		122	90	732	61			13,204	2,172	32,637
1969	2,951	5,033	1,185		149	88	891	57			11,439	2,630	36,729
1970	2,590	1,154	685		163	90	513	35			10,362	3,780	36,783
1971	2,572	3,819	626		55	60	614	19			11,642	3,854	38,472
1972	2,275	447	271		79	44	445	11			10,390	4,106	48,414
1973	2,101	965	502		77	37	708	26			7,334	3,256	45,467
1974	2,022	651	173		75	26	402	17			7,593	3,184	42,071
1975	2,151	170	193		40	32	463	14			7,236	2,864	39,981
1976	2,151	497	163		43	51	609	20			6,832	2,494	40,589
1977	1,605	804	336		47	64	583	20	566	670	4,749	1,881	39,302
1978	1,307	405	152		54	88	271	30	499	493	5,567	2,060	40,208
1979	1,530	859	290		44	91	312	17	386	488	6,680	2,552	40,034
1980	1,514	1,210	105		30	110	319	15	364	562	5,906	2,387	43,699
1981	1,582	108	55		25	91	464	20	606	879	6,878	2,568	45,859
1982	1,594	49	36		53	104	583	21	689	1,117	7,296	2,602	46,960
1983	1,651	72	87		61	89	454	14	507	1,327	6,822	2,473	46,117
1984	1,629	113	111		20	75	427	9	560	1,528	6,796	2,285	48,032
1985	1,843	181	184		26	70	409	18	N.A.	N.A.	6,947	2,157	58,532
1986	2,223	944	2		10	81	N.A.	21	N.A.	N.A.	6,465	2,111	69,998
1987	2,197	449	3		15	57	206	8	172	1,213	10,472	4,452	84,022
1988	2,317	57	7		11	66	81	6	368	1,307	11,966	5,042	52,404
1989	2,545	135	16		19	50	108	9	502	1,418	13,748	4,362	40,533
1990	3,520	1,108	4		21	79	175	12	791	674	16,195	4,265	35,236
1991	3,673	1,909	2		22	30	325	5	1,283	440	14,895	3,133	28,945
1992	3,811	68	0		24	28	258	9	883	439	13,439	2,246	21,709
1993	3,235	19	22		116	40	267	5	1,028	472	10,476	1,129	18,477
1994	2,995	15	1		223	40	335	11	942	544	7,640	626	19,246
1995	2,445	5	6		36	54	211	8	1,008	494	7,577	362	16,361
1996	2,053	12	5		62	56	164	4	619	495	5,670	138	12,998
1997	1,730	13	25		42	57	218	14	920	460	4,889	97	14,556
1998	1,558	0	17		12	35	527	14	575	415	4,503	82	12,100
1999	1,460	3	6	46	7	59	310	143	412	305	3,682	130	12,207
2000	1,332	13	8	14	11	46	350	178	550	571	2,661	117	11,669
2001	1,261	7	6	9	6	42	481	172	454	666	3,267	282	12,614
2002	1,084	6	2	29	5	31	881	211	453	704	3,444	434	12,811
2003	1,140	5	2	30	28	45	994	169	447	208*	3,767	531	13,468
2004	1,039	5	2	2	28	31	597	183	353	163	3,674	621	10,860

Note: Figures for single years from 1941 to 1955 appear in the annual summaries for 1995 and earlier.

Polio cases are no longer in this table due to their low occurrences.

* The way of counting hepatitis B beginning 2003 was changed so that the cases counted are newly acquired cases of hepatitis B. The numbers are probable or definite new cases.

** In the 1999 West Nile viral disease data, both hospitalized cases (n=44) and milder illness cases (n=2) are included. Beginning in 2000, only hospitalized cases of West Nile encephalitis or aseptic meningitis are included. There were no WNV deaths in 2004. See Table 4.

Source of data: Bureaus of Communicable Disease, Immunization, and Tuberculosis Control, New York City Department of Health and Mental Hygiene.

Table 48. Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-2004*

Sex/Risk Group	1980-1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Male														
Sex with Men	18,908	3,216	3,571	3,558	2,741	1,987	1,461	1,134	1,096	1,226	1,130	977	1,242	1,136
Injection Drug Use History (IDU)	16,332	4,283	4,890	4,389	3,533	2,654	1,907	1,334	1,230	1,176	838	563	610	534
Heterosexual Transmission	864	323	450	711	937	865	731	717	591	602	512	379	363	396
Perinatal	553	98	100	85	60	75	29	22	22	18	24	22	11	9
Other	260	33	38	59	50	43	30	33	14	23	30	5	11	9
Unknown/Under Investigation	1,022	338	450	653	928	1,022	931	615	731	1,287	1,272	1,168	1,282	878
Total	37,939	8,291	9,499	9,455	8,249	6,646	5,089	3,855	3,684	4,332	3,806	3,114	3,519	2,962
Female														
Injection Drug Use History (IDU)	4,876	1,502	1,740	1,593	1,363	1,046	806	569	489	516	360	226	246	225
Heterosexual Transmission	2,234	800	1,108	1,184	1,207	1,108	977	775	685	757	636	514	587	497
Perinatal	521	104	101	97	79	49	51	24	17	20	33	21	12	7
Other	154	25	24	32	36	40	31	28	15	23	21	4	15	15
Unknown/Under Investigation	399	149	189	251	363	410	435	420	447	783	808	726	820	624
Total	8,184	2,580	3,162	3,157	3,048	2,653	2,300	1,816	1,653	2,099	1,858	1,491	1,680	1,368

* The risk groups were changed beginning 2003 to separate "Perinatal" and "Unknown/Under Investigation" from "Other" category.

Note: To be classified as having AIDS, an HIV-infected person must meet CDC case-surveillance criteria. These include the presence of opportunistic illness or CD4+ lymphocyte count below 200. For further information telephone the HIV Epidemiology Program, (212) 442-3388.

Figures include reports through October 2005. Data for recent years are incomplete due to reporting lag.

Source of data: HIV Epidemiology Program, Bureau of HIV/AIDS, New York City Department of Health and Mental Hygiene.

**Table 49. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day
New York City, 2004**

MONTHS	NUMBER				AVERAGE PER DAY			
	MARRIAGES	BIRTHS	DEATHS	INFANT DEATHS	MARRIAGES	BIRTHS	DEATHS	INFANT DEATHS
January	3,622	10,283	5,642	69	117	332	182	2.2
February	4,005	9,688	4,781	55	143	334	165	1.9
March	5,112	10,551	4,795	56	165	340	155	1.8
April	5,393	9,840	4,766	45	180	328	159	1.5
May	5,574	10,344	4,610	82	180	334	149	2.6
June	6,096	10,421	4,418	53	203	347	147	1.8
July	5,908	10,723	4,593	88	191	346	148	2.8
August	6,318	10,698	4,414	48	204	345	142	1.5
September	5,971	10,483	4,481	64	199	349	149	2.1
October	5,011	10,512	4,958	84	162	339	160	2.7
November	4,511	10,194	4,675	51	150	340	156	1.7
December	4,536	10,362	5,333	65	146	334	172	2.1
Total	62,057	124,099	57,466	760	170	339	157	2.1

Source of data: Number of marriages is provided by New York City Office of City Clerk.

**Table 50. Most Popular Baby Names by Sex
New York City, Selected Years**

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1995	2000	2001	2002	2003	2004
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Emily	Emily
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Jessica	Samantha	Kayla	Emily	Ashley	Ashley
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Amanda	Kayla	Samantha	Kayla	Kayla	Kayla
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Samantha	Emily	Emily	Brianna	Sarah	Sarah
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Stephanie	Brianna	Jessica	Samantha	Samantha	Samantha
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Sarah	Brianna	Sarah	Brianna	Isabella
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Jessica	Nicole	Nicole	Isabella	Brianna
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Sarah	Nicole	Sarah	Jessica	Nicole	Sophia
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Michelle	Michelle	Destiny	Michelle	Rachel	Nicole
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Emily	Amanda	Michelle	Isabella	Jessica	Olivia

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1995	2000	2001	2002	2003	2004
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Justin	Justin	Justin	Justin	Daniel
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Christopher	Christopher	Daniel	Daniel	Matthew
4	George	James	Michael	Joseph	David	Anthony	Daniel	Matthew	Daniel	Matthew	Matthew	Justin
5	Joseph	Richard	William	Christopher	Anthony	David	Jonathan	Daniel	Matthew	Christopher	Christopher	Joshua
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Joseph	Anthony	Joseph	Joseph	Anthony	David
7	James	Robert	Joseph	John	Jonathan	Joseph	Anthony	Joshua	Anthony	Anthony	David	Anthony
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	David	David	Joshua	Joshua	Christopher*
9	Francis	George	Stephen	Robert	John	John	David	Joseph	Joshua	Nicholas	Joseph	Joseph*
10	Samuel	Louis	David	James	Robert	Andrew	Justin	Kevin	Kevin	David	Kevin	Ryan

**Table 51. Most Popular Baby Names by Sex and Mother's Ethnic Group
New York City, 2004**

Rank	GIRLS				BOYS			
	HISPANIC	BLACK	WHITE	ASIAN & P.I.	HISPANIC	BLACK	WHITE	ASIAN & P.I.
1	Ashley	Kayla	Sarah	Emily	Justin	Elijah	Michael	Jason
2	Emily	Brianna	Julia	Tiffany	Anthony	Joshua	Joseph	Kevin
3	Brianna	Jada	Olivia	Jessica	Daniel	Justin	Daniel*	Ryan
4	Jennifer	Madison	Emma	Sophia	Angel	Jayden	Matthew*	Justin
5	Samantha	Ashley	Rachel	Michelle	Christopher	Isaiah	Nicholas	Daniel*
6	Isabella	Destiny	Isabella*	Sarah	Joshua	Michael	David	Eric*
7	Melanie	Aaliyah	Sophia*	Ashley	Michael	Jordan	Ryan	Matthew
8	Nicole	Alyssa	Esther	Amy*	David	Christopher	Jacob	Andrew
9	Destiny	Gabrielle	Emily	Kelly*	Kevin	Christian	Benjamin	Brian
10	Kimberly	Shania	Alexandra	Nicole*	Brandon	Brandon	Jack	Vincent

* Tied ranks.

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

Mothers of other and unknown ethnicities not shown. See Technical Notes: Race, Ancestry, Ethnicity, and Birthplace.

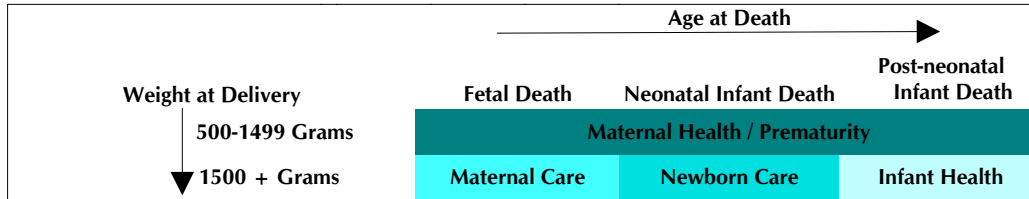
Table 52. Live Births by Borough and Institution, New York City, 2004

Borough and Institution	Births
Manhattan	
Allen Pavilion	2,283
Bellevue Hospital Center	2,075
Beth Israel Medical Center	4,026
Columbia Presbyterian Medical Center	4,161
Harlem Hospital Center	1,076
Lenox Hill Hospital	3,779
Metropolitan Hospital Center	2,038
Mount Sinai Hospital	4,749
NYU Downtown Hospital	2,319
NYU Hospital Center - Tisch Hospital	4,636
New York Weill Cornell Medical Center	5,447
St. Luke's - Roosevelt Hospital Center / Roosevelt Hospital Division	4,150
St. Luke's - Roosevelt Hospital Center / St. Luke's Hospital Division	994
St. Vincent's Hospital Manhattan	1,461
Home	58
Foundling	1
Bronx	
Bronx Lebanon Hospital Center	2,851
Jack D. Weiler Hospital of the Albert Einstein College of Medicine	4,446
Jacobi Medical Center	2,354
Lincoln Medical and Mental Health Center	2,448
North Central Bronx Hospital	1,717
Our Lady of Mercy Medical Center	1,780
St. Barnabas Hospital	1,349
Women's Health & Birthing Center	147
Home	7
Brooklyn	
Brookdale University Hospital and Medical Center	2,127
Brooklyn Birthing Center	49
Brooklyn Hospital Center	2,590
Coney Island Hospital	1,045
Interfaith Medical Center	864
Kings County Hospital Center	2,249
Kingsbrook Jewish Medical Center	1
Long Island College Hospital	2,835
Lutheran Medical Center	3,703
Maimonides Medical Center	6,359
New York Methodist Hospital	4,656
University Hospital of Brooklyn	1,473
Victory Memorial Hospital	1,038
Woodhull Medical and Mental Health Center	1,462
Wyckoff Heights Medical Center	1,815
Home	87
Foundling	1
Queens	
Elmhurst Hospital Center	4,096
Flushing Hospital Medical Center	2,122
Jamaica Hospital Medical Center	2,955
Long Island Jewish Medical Center	5,611
Mount Sinai Hospital of Queens	2
New York Hospital Medical Center of Queens	3,654
North Shore University Hospital at Forest Hills	1,804
Queens Hospital Center	1,835
St. John's Episcopal Hospital	921
St. John's Queens Hospital	1,892
Home	24
Staten Island	
St. Vincent's Staten Island Hospital	3,475
Staten Island University Hospital	2,997
Home	5
New York City Total	124,099

Special Section. Using the Perinatal Periods of Risk (PPOR) Approach to Understand Fetal-Infant Mortality

This special section presents the Perinatal Periods of Risk (PPOR), a measure broader than the infant mortality rate because it includes the high risk period when late fetal deaths occur. Through identification of the most vulnerable "periods of risk" by weight of infant and timing of death, the PPOR enables us to better comprehend fetal-infant mortality rates, the various factors that contribute to those rates, and in turn, to help design appropriately targeted interventions and prevention strategies. (Note 1)

Figure A. Components of Perinatal Periods of Risk



The PPOR methodology identifies "periods of risk" for the mother, fetus and infant (see Figure A above). Deaths in each "period" are likely to share common risk factors, which could be prevented by similar interventions. The PPOR defines these periods through the examination of fetal-infant mortality. Fetal and infant deaths are classified by both age-at-death displayed as "Fetal Death", "Neonatal Infant Death" and "Post-neonatal Infant Death" and birthweight displayed as "500-1499 Grams" and "1500 + Grams" in Figure A above. The definition of fetal deaths for the computation and interpretation of PPOR are those spontaneous terminations that occurred after 24 weeks of gestational age; induced terminations are not included in PPOR analysis. Neonatal deaths are those that occurred between birth and 28 days; and post-neonatal deaths are those that occurred between 28 days and under one year of age. Fetal deaths are included in the PPOR model because fetal deaths and some infant deaths have similar causes. The determination of "fetal" versus "infant" death can be difficult to ascertain and is often inconsistent. Factors causing death during the fetal period of risk may go undetected when relying only on the neonatal mortality or infant mortality rate. (Note 2) From an intervention standpoint, risks that affect late fetal deaths and early infant death may be the same and therefore may be dealt with using the same intervention. Inclusion of fetal deaths, therefore, provides a more complete description of perinatal health.

The four "Periods of Risk" are: Maternal Health/Prematurity, Maternal Care, Newborn Care, and Infant Health.

- 1) The Maternal Health/Prematurity period includes fetal and infant deaths with a weight of 500-1499 grams who died due to maternal conditions that occurred prior to conception or during early pregnancy (e.g., smoking, hypertension).
- 2) The Maternal Care period includes fetal deaths with a weight of 1500 grams or greater and a gestational age of 24 weeks or greater, who died due to issues related to prenatal and obstetric care (e.g., medical management of diabetes, early/adequate prenatal care).
- 3) The Newborn Care period includes infant deaths with a weight of 1500 grams or greater who died in the neonatal period due to factors such as congenital anomalies and lack of advanced neonatal care and treatment.
- 4) The Infant Health period includes infants who died in the post-neonatal period with a weight of 1500 grams or greater. Most deaths in this period are due to Sudden Infant Death Syndrome (SIDS), infection, or injury.

The PPOR technique calculates fetal-infant mortality rates (Note 3) overall and for each period of risk. Additionally, the PPOR approach is used to better understand the racial/ethnic disparities in fetal-infant mortality rates as well as variation by other maternal and infant characteristics (e.g., maternal age, place of residence). The PPOR model can help researchers and program developers target interventions to those most vulnerable by showing both the "periods of risk" and the specific subpopulations where the fetal-infant mortality rates are highest.

Note:

1. PPOR was originally used by the World Health Organization (WHO) in developing and developed countries before it was tested in U.S. urban settings. In 1996, CityMatch (University of Nebraska), the Centers for Disease Control and Prevention, March of Dimes, and the Health Resources and Services Administration made this approach available as a tool to understand fetal-infant mortality.
2. The total fetal-infant mortality rate used in PPOR is different than the infant mortality rate (IMR) because the IMR does not include fetal deaths but does include all infant deaths, including those under 500 grams.
3. See page 65 for rate calculation.

Table A. Fetal-infant Mortality Rate (per 1,000) and Perinatal Periods of Risk Components by Year and Ethnicity, 2000-2004

Year	Maternal Health/ Prematurity		Maternal Care		Newborn Care		Infant Health		Total fetal-infant Mortality	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2000	544	4.3	277	2.2	136	1.1	159	1.3	1,116	8.9
2001	489	3.9	234	1.9	126	1.0	141	1.1	990	8.0
2002	459	3.7	235	1.9	131	1.1	153	1.2	978	7.9
2003	470	3.8	218	1.7	136	1.1	148	1.2	972	7.8
2004	479	3.8	225	1.8	136	1.1	137	1.1	977	7.8
Mother's Ethnicity, 2000-2004										
Hispanic	692	3.5	355	1.8	219	1.1	235	1.2	1,501	7.5
Asian and Pacific Islander	181	2.3	100	1.3	62	0.8	50	0.6	393	5.0
Non-Hispanic White	392	2.1	251	1.4	151	0.8	120	0.6	914	4.9
Non-Hispanic Black	1,141	7.3	464	3.0	227	1.5	329	2.1	2,161	13.9
Other or Unknown	35	-	19	-	6	-	4	-	64	-
NEW YORK CITY	2,441	3.9	1,189	1.9	665	1.1	738	1.2	5,033	8.1

When applying the PPOR approach in New York City (Table A), a decline in the overall fetal-infant mortality rate is observed from 2000 to 2003, remaining the same in 2004. The highest rates for these years occurred in the Maternal Health/Prematurity period. When looking at the bottom half of Table A, the periods of risk by ethnic group, black non-Hispanics had the highest total fetal-infant mortality rate at 13.9, followed by Hispanics with a rate of 7.5; Asian and Pacific Islanders with a rate of 5.0; and white non-Hispanics with a rate of 4.9. For all racial/ethnic groups, the Maternal Health/Prematurity period contributes the most to the overall fetal-infant mortality rate. Using the principles of the PPOR model, interventions to further reduce fetal and infant mortality in New York City may need to focus on improving women's health before pregnancy, including access to primary and preconception care, particularly among minority women.

Table B on the next page provides fetal-infant mortality by NYC borough and community health district and indicates that the Bronx has the highest total fetal-infant mortality rate at 9.2, followed by Brooklyn at 9.1, Queens at 6.7, Staten Island at 6.4 and Manhattan at 6.3. Community Districts that have a fetal-infant mortality rate greater than 10 include East Flatbush at 14.6, Bedford Stuyvesant at 14.5, Crown Heights North at 13.6, Brownsville at 13.4, Morrisania at 12.1, East New York at 11.2, Jamaica, St. Albans at 11.0, Williamsbridge at 10.9, Concourse, Highbridge at 10.8, the Rockaways at 10.6 and Central Harlem and Fort Green, Brooklyn Heights at 10.5 and Crown Heights South at 10.2.

For further information on PPOR, see www.citymatch.org

Continued on next page.

Table B. Fetal-infant Mortality Rate (per 1,000) and Perinatal Periods of Risk Components by Community District of Residence, 2000-2004, REVISED

Community District	Maternal Health/ Prematurity		Maternal Care		Newborn Care		Infant Health		Total fetal-infant Mortality	
Manhattan	276	2.8	146	1.5	93	0.9	102	1.0	617	6.2
Battery Park, Tribeca (01).	4	1.6	1	0.4	2	0.8	0	0.0	7	2.8
Greenwich Village, SOHO (02).	7	1.8	2	0.5	0	0.0	2	0.5	11	2.8
Lower East Side (03).	33	2.9	11	1.0	18	1.6	7	0.6	69	6.1
Chelsea, Clinton (04).	12	2.9	4	1.0	3	0.7	4	1.0	23	5.6
Midtown Business District (05).	4	1.8	4	1.8	2	0.9	4	1.8	14	6.2
Murray Hill (06).	10	1.6	11	1.7	2	0.3	3	0.5	26	4.1
Upper West Side (07).	26	1.9	18	1.3	10	0.7	5	0.4	59	4.3
Upper East Side (08).	25	1.8	14	1.0	6	0.4	5	0.4	50	3.6
Manhattanville (09).	27	3.4	17	2.2	11	1.4	14	1.8	69	8.8
Central Harlem (10).	44	5.0	19	2.2	10	1.1	16	1.8	89	10.2
East Harlem (11).	28	3.0	19	2.0	15	1.6	22	2.4	84	9.0
Washington Heights (12).	56	3.5	26	1.6	14	0.9	20	1.3	116	7.3
Bronx	490	4.6	214	2.0	136	1.3	164	1.5	1004	9.3
Mott Haven (01).	33	4.2	11	1.4	9	1.2	9	1.2	62	7.9
Hunts Point (02).	11	2.4	8	1.8	4	0.9	8	1.8	31	6.8
Morrisania (03).	29	4.4	19	2.9	11	1.7	17	2.6	76	11.6
Concourse, Highbridge (04).	81	5.5	29	2.0	20	1.4	27	1.8	157	10.6
University/Morris Heights (05).	57	4.3	29	2.2	15	1.1	27	2.1	128	9.7
East Tremont (06).	35	4.9	11	1.5	13	1.8	8	1.1	67	9.4
Fordham (07).	44	3.5	22	1.7	11	0.9	19	1.5	96	7.5
Riverdale (08).	28	4.8	6	1.0	6	1.0	4	0.7	44	7.6
Unionport, Soundview (09).	75	5.6	23	1.7	16	1.2	22	1.6	136	10.1
Throgs Neck (10).	17	3.5	12	2.4	3	0.6	6	1.2	38	7.7
Pelham Parkway (11).	27	3.9	19	2.8	8	1.2	7	1.0	61	8.9
Williamsbridge (12).	53	5.5	25	2.6	20	2.1	10	1.0	108	11.2
Brooklyn	891	4.5	419	2.1	217	1.1	278	1.4	1805	9.1
Williamsburg, Greenpoint (01).	31	2.0	26	1.7	14	0.9	8	0.5	79	5.1
Fort Green, Brooklyn Heights (02).	30	5.4	12	2.2	9	1.6	8	1.4	59	10.6
Bedford Stuyvesant (03).	81	7.2	40	3.5	20	1.8	23	2.0	164	14.5
Bushwick (04).	50	4.7	22	2.1	12	1.1	19	1.8	103	9.6
East New York (05).	89	6.1	33	2.3	19	1.3	24	1.7	165	11.4
Park Slope (06).	28	3.9	13	1.8	6	0.8	10	1.4	57	8.0
Sunset Park (07).	42	3.6	20	1.7	13	1.1	13	1.1	88	7.5
Crown Heights North (08).	57	7.5	23	3.0	9	1.2	21	2.8	110	14.6
Crown Heights South (09).	44	4.9	23	2.6	9	1.0	14	1.6	90	10.0
Bay Ridge (10).	28	3.4	9	1.1	5	0.6	6	0.7	48	5.8
Bensonhurst (11).	25	2.3	19	1.7	15	1.4	9	0.8	68	6.2
Borough Park (12).	49	2.3	28	1.3	14	0.6	18	0.8	109	5.0
Coney Island (13).	22	3.7	8	1.3	9	1.5	15	2.5	54	9.0
Flatbush, Midwood (14).	60	4.1	43	2.9	19	1.3	18	1.2	140	9.5
Sheepshead Bay (15).	36	3.7	17	1.7	6	0.6	4	0.4	63	6.4
Brownsville (16).	46	6.2	18	2.4	11	1.5	24	3.2	99	13.3
East Flatbush (17).	105	8.3	38	3.0	15	1.2	25	2.0	183	14.4
Canarsie (18).	68	5.2	27	2.1	12	0.9	19	1.5	126	9.7
Queens	433	3.1	235	1.7	122	0.9	130	0.9	920	6.7
Astoria, Long Island City (01).	41	3.5	22	1.9	7	0.6	13	1.1	83	7.0
Sunnyside, Woodside (02).	10	1.3	12	1.6	2	0.3	4	0.5	28	3.7
Jackson Heights (03).	38	2.7	22	1.6	11	0.8	7	0.5	78	5.6
Elmhurst, Corona (04).	42	2.8	12	0.8	15	1.0	16	1.1	85	5.7
Ridgewood, Glendale (05).	24	2.3	13	1.2	10	1.0	10	1.0	57	5.5
Rego Park, Forest Hills (06).	9	1.5	6	1.0	3	0.5	3	0.5	21	3.5
Flushing (07).	23	1.9	17	1.4	9	0.7	8	0.7	57	4.7
Fresh Meadows, Briarwood (08).	23	2.6	13	1.4	9	1.0	15	1.7	60	6.7
Woodhaven (09).	28	2.7	24	2.3	11	1.1	11	1.1	74	7.2
Howard Beach (10).	24	3.1	11	1.4	3	0.4	3	0.4	41	5.3
Bayside (11).	5	1.4	5	1.4	2	0.6	3	0.9	15	4.3
Jamaica, St. Albans (12).	76	5.0	45	3.0	21	1.4	19	1.3	161	10.7
Queens Village (13).	53	5.8	20	2.2	10	1.1	5	0.5	88	9.7
The Rockaways (14).	37	5.8	13	2.1	9	1.4	13	2.1	72	11.4
Staten Island	98	3.4	38	1.3	27	0.9	25	0.9	188	6.5
Port Richmond (01).	50	4.0	17	1.4	14	1.1	15	1.2	96	7.7
Willowbrook, South Beach (02).	24	3.3	11	1.5	8	1.1	6	0.8	49	6.7
Tottenville (03).	22	2.4	10	1.1	5	0.5	4	0.4	41	4.5

Borough totals may be higher than the sum of the community districts, as they may include some live births whose community district could not be determined.

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 2000 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.

$$\frac{\text{Fetal Deaths 28 Weeks and Over}}{\text{Live Births}} \times 1,000$$

Fetal-infant Mortality Rate - The number of fetal deaths of 24 weeks gestation and over plus infant deaths per 1,000 live births and fetal deaths, excluding weight at delivery less than 500 grams.

$$\frac{(\text{Fetal Deaths 24 Weeks and Over} + \text{Infant Deaths})}{(\text{Fetal Deaths 24 Weeks and Over} + \text{Live Births})} \times 1,000$$

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 100,000 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 and Mental Hygiene (DOHMH). 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 filed too late for inclusion in the respective year's annual statistics report are included in the subsequent annual statistical report.

- The number of marriages shown in Table 1 and in Table 49 is the number of marriage licenses issued by the City Clerk.

- Tables 22, 22a, 23, 24, and Figure 15 include deaths to NYC residents regardless of place of occurrence. Data on NYC resident deaths occurring outside of NYC is provided by NCHS. See third bullet under 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 in the 2000 and subsequent issues of the Vital Statistics Summary are, for the most part, based on data provided by the New York City Department of City Planning (DCP) from the U. S. Census enumeration as of April 1, 2000. Population counts for the city, its boroughs, Health Center Districts, and Community Districts are updated to 2000. In 2003, the Census Bureau produced a modified race file (Census 2000 Modified Race Data [MR (31)-CO.txt]). In the 2002 report Table 2 was changed by using modified race population data. The major effect was a reduction of 65% in the total for "Other and Multiple Race" and increases of 3%, 3%, and 6% for "Non-Hispanic White", "Non-Hispanic Black", and "Asian and Pacific Islander", respectively. There was no change

for Hispanic population.

- In Table 1, the population figures for census years 1960, 1970, 1980, 1990, and 2000 are census counts; for intercensal counts through 1989, straight-line interpolations are used, while the interpolation from 1990 to 2000 uses an exponential formula which assumes that the growth rate was the same through the decade: $pop(t1)/pop(t0) = e^{rt}$ (where r is a constant growth rate and t is the interval). In 2000 and subsequent annual Summaries of Vital Statistics, population is based on the 2000 US Census enumeration.

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, females, and race groups. The components required are counts and mortality figures for the desired subgroups. Life expectancy tables for New York City are generally presented for census years, when accurate population data are available (Table 22). The mortality experience for the census year, the year before, and the year after is used to smooth statistical variation and reduce the large effect an unusual event in a single year can have, such as a flu epidemic or the World Trade Center disaster.

- Beginning this year, a new table, Table 22a, provides annual life expectancy by age and sex so the viewer can see trend data between census years. Life expectancy here is estimated using single year death data. This results in slightly different life expectancy estimates for 2000 in Tables 22 and 22a. Table 22a does not include Life Expectancy for 2004 because national data are required and not yet available.

- Average yearly age-sex and age-sex-race adjusted death rates for 1990 in Tables 23 and 24 respectively used 1990 census MARS (modified for age, race and sex) population and 1989 and 1991 mortality data. Average yearly age adjusted death rates for 2000 in Tables 23 and 24 used 2000 population data and 1999-2001 mortality data. 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. For 1999-2001, cause-specific rates are adjusted for only age to avoid losing too much information from crude death rates. A new 2000 US standard population is used to calculate cause-specific age-adjusted death rates while for earlier years the 1940 standard US population was used. Since the Census

Bureau has not produced MR (modified for race) 2000 data by single year of age, there is no change for life expectancy calculation and age-adjusted death rates.

- A change in the data used for the 1980 and 1990 calculations is noted in Tables 23 and 24 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. Mortality data for 2000 includes all New York City residents regardless of place of occurrence; however mortality data were obtained from NCHS as opposed to NYSDOH. As a result, 2000 mortality data may include more non-New York City occurrences than previous years. Another line is drawn in Table 24 to show that differences in data source and standard population were used between the 1999-2001 period and earlier years.

- Beginning in 2000, life expectancy was estimated by ethnic groups instead of race to ascertain differences among Hispanics, non-Hispanic whites and non-Hispanic blacks. To enable comparison, life expectancy was recalculated by ethnic groups for 1990.

- Historical data on Hispanic ancestry and estimates of life expectancy should be used with caution. Before 1993, ancestry of decedents, which may indicate decedents' Hispanic ethnicity, was obtained from the medical certifier. Under-reporting of all ancestries, including Hispanic, was therefore possible. To overcome this problem, death certificates were revised in June 1993 to require funeral directors to provide the ancestry information, presumably from decedents' family members. Hispanic life expectancy may be overestimated because of the age distribution of Hispanics and because of immigration patterns. The age distribution of Hispanics is different from non-Hispanic whites and non-Hispanic blacks, with fewer Hispanics in the older age groups than other ethnic groups. This would cause an underestimate of Hispanic death rates and hence overestimate Hispanic life expectancy. An overestimate of Hispanic life expectancy would also occur if Hispanics moved out of the United States to die at a greater rate than other ethnic groups.

YEARS OF POTENTIAL LIFE LOST - Years of potential life lost (YPLL) measures years lost due to premature death. In contrast to mortality measures, YPLL emphasizes the

processes underlying premature mortality in a population. YPLL is often calculated using a cutoff age, 65 or 75, as follows:

$$YPLL = \sum [(cutoff\ age - i)] \times d_i$$

where i is the midpoint of the grouped year of age at death and d_i is the number of deaths at age i . YPLL can be calculated for specified causes of death. In this summary's presentation of YPLL (Table 22b), age 75 is used as the cut off age.

RACE, ANCESTRY, ETHNIC GROUP, AND BIRTHPLACE

Race in the 2000 Census - The 2000 Census permitted respondents to describe themselves and household members as being of more than one race, selecting from six race categories: white, black, American Indian and Alaska native, Asian, Native Hawaiian and Other Pacific Islander, and some other race. These categories yield 63 possible combinations. Respondents were also asked if they were of Hispanic origin. The resulting responses could be organized into 64 groups, referred to by the DCP as "mutually exclusive race/Hispanic categories." DCP combined categories into a set of seven: Hispanic origin, non-Hispanic white, non-Hispanic black, non-Hispanic Asian or Pacific Islander, non-Hispanic American Indian and Alaska Native, non-Hispanic of some other race, and non-Hispanic of two or more races. These categories are equivalent to the vital statistics variable ethnicity (see below), except for the group of two or more races. (Vital statistics data currently collect multiple-race only on the death certificate). In Table 2, population data are presented using DCP terminology, "mutually exclusive race and Hispanic origin" with the last three categories combined; the death data presented in Table 3 use the term ethnicity.

Race 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 through 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 already in use included Chinese, Filipino, Hawaiian, Japanese and other.
- The ordered selection rules used to define ethnicity first assigns Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other

ancestries are classified by race as Asian, non-Hispanic white, non-Hispanic black, other or unknown.

- 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.
- 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. An increase in 1999 of about 2,000 in the number of mothers reporting Hebrew or Jewish ancestry resulted from quality assurance discussions with several hospitals that included clarification of the meaning of ancestry. These hospitals replaced the general term American with individual information provided by the patients.

Multiple Race - Beginning January 1, 2003, the NYC death certificate was expanded to include the number of decedent race categories allowing multiple races to be selected. This change was implemented based on the changes to the US 2000 Census and to comply with NCHS recommended changes in the U.S. Standard Certificate of Death. The change resulted in an increase in Hispanic and Asian and Pacific Islander ethnicities, while Non-Hispanic white and Non-Hispanic black ethnicities declined. The number of unknown ethnicities also increased. Care should be taken when comparing 2003 or later race and ethnicity death data with that from previous years. See Summary of Vital Statistics 2003 for Special Note on Multiple-Race.

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 ICD-10, implemented January 1, 1999. Earlier ICD revisions and the year their codes were implemented are the Fifth, 1939; Sixth, 1949; Seventh, 1959; Eighth, 1969; and Ninth, 1979. Long term trends in causes of death should be interpreted with caution because of possible changes in causes and groupings with each revision.

Comparability Ratio - Comparability ratios are used to measure the discontinuities in trend data for the cause of death when a new version of the International Classification of Diseases (ICD) is implemented. In the case of

ICD-10 (tenth revision), the comparability ratio for cause "i" is defined as:

$$\frac{\text{Deaths from cause "i" under ICD-10}}{\text{Deaths from cause "i" under ICD-9}}$$

Therefore, comparability ratios measure the net effect of ICD-10 by cause of death. Using more than 2.3 million 1996 U.S. mortality records, comparability ratios were calculated and presented for selected causes of death by NCHS. Due to complications of coding and calculation, the whole procedure was split into two phases: preliminary and final. The preliminary comparability ratios were based on about 1.8 million death records and used in 1999-2002 Summary of Vital Statistics. Finalized comparability ratios are updated in Tables 4, 25, and 44 of the Summary of Vital Statistics 2002 through present. A detailed description of comparability ratio (ICD-9 to ICD-10) can be found on the NCHS website at the following link:

http://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf.

HIV and AIDS Mortality - In ICD-10, deaths due to HIV disease are not divided into AIDS deaths and deaths due to other HIV infections, but are characterized by the resulting disease or condition. HIV deaths (ICD-10 codes B20-B24) are shown in Tables 4, 5, 6, 7, 8, 20, and 21 and Figures 13 and 14.

- From 1983 through 1986, only AIDS was a recognized cause of death coded as 279.1. In 1987, NCHS introduced code 042 for AIDS and 043-044 for other HIV deaths, and they were reported this way in Table 3 through 1998. Beginning in 1999, Table 25 includes Human Immunodeficiency virus disease, B20-B24.
- A fuller discussion of the history of HIV coding can be found in the 1997 and 1998 Vital Statistics Summaries.
- The incidence data in Table 48 are provided by the New York City HIV Epidemiology Program. Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State.

Deaths Due to Drug Abuse - In both ICD-9 and ICD-10, there are two groups of codes that can be used for drug deaths depending on the information on the death certificate: natural cause codes and external cause codes. With the implementation of ICD-10 in 1999, the natural cause group includes mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco (F11-F16, F18-F19) and psychoses due to drug use and non-dependent drug use, two causes

not included in the Vital Statistics Summary reports using ICD-9. Deaths due to alcohol and tobacco are typically natural. Those due to alcohol are reported separately; deaths due to tobacco are not reported separately. The poisoning codes for psychoactive substances excluding alcohol and tobacco in ICD-10 (X40-X42, X44) are substantially the same as in ICD-9.

- A category of deaths due to accidents without the drug poisoning deaths is used for ranking leading causes and appears in Tables 5 and 6. A fuller discussion of the history of drug death coding appears in the Vital Statistics Summaries of 1989 through 1998.

Maternal Death and Maternal Mortality- In ICD-10, the chapter Pregnancy, childbirth and the puerperium (codes O00-O99) includes codes for deaths occurring more than 42 days after the termination of the pregnancy, which did not exist in ICD-9. However, the definition of "maternal mortality" by the World Health Organization does not include these later deaths: included are deaths of a woman while pregnant or within 42 days of termination of pregnancy ... from any cause related to or aggravated by the pregnancy or its management ..." This includes ICD-10 codes O00-O95, O98-O99 and A34, obstetrical tetanus. Note also that the denominator of the maternal mortality rate is live births. Since the 2000 Vital Statistics Summary, new lines have been inserted in Table 4 and Table 25 to clarify the all cause of death due to pregnancy, childbirth and puerperium compared to the smaller group of "maternal" deaths. In Table 4, Deaths by Cause, all deaths due to pregnancy, childbirth and the puerperium are shown (and are rankable) followed by "maternal" deaths. In Table 25, Deaths and Crude Death Rates historical data from 1901 through 2002 are correctly relabeled "maternal causes" and a new category based on the ICD-10 - pregnancy, childbirth and the puerperium - is shown beginning in 1999. Table 46, Live Births, ... 1988-2004, only includes the "maternal" definition. An error in Table 46, in 1999 data was corrected in the 2000 Vital Statistics Summary.

External Causes of Death - External causes of death include accidents, intentional self-harm (suicide), assault (homicide), legal intervention, events of undetermined intent, operations of war and their sequelae, and complications of medical and surgical care. Beginning in 1999, these causes are shown separately in Table 4.

- Some homicides are considered justifiable and are reported as such by the New York City Police Department under the Uniform

Crime Reporting System of the Federal Bureau of Investigation, however this specification is not included in the Vital Statistics Summary report.

- Legal intervention as a cause of death is defined in ICD-9 and ICD-10 as including injuries inflicted by police or other law-enforcing agents ... in the course of arresting or attempting to arrest ... and other legal action. Since 2003, the number of deaths from legal intervention have been listed separately in Tables 4 and 16. They are no longer included in the homicide counts of Tables 7 and 8. They are included in the homicide counts in Table 21 through 2002.

- Complications of medical and surgical care was included with accidents in ICD-9, but is not in ICD-10 and is therefore shown separately since 1999.

- 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 as 'pending final determination' in Table 4; some of these pending deaths will be determined to be due to natural causes.

- The number of deaths classified as events of undetermined intent should be considered in analysis of deaths due to external causes.

- The site of accidents, home and public place, has been dropped since 1999 because the reporting was not reliable.

- Motor vehicle accident deaths or other traffic fatalities reported by Vital Statistics sometimes do not agree with the numbers released by the Department of Transportation/New York City Police Department (DOT/NYPD). There are two major differences in the methodology to calculate the number of traffic fatalities. First, DOT/NYPD do not include deaths resulting from illness while operating a motor vehicle in their traffic fatality count; this Summary does. Second, in cases where serious injury suffered during a motor vehicle accident result in subsequent death (e.g. one month later), the fatality will be counted by DOT/NYPD for the month in which the accident occurred. However, Vital Statistics always reports deaths by date of death.

World Trade Center Deaths - All reported World Trade Center (WTC) deaths are homicides and are not included in Summary tables and figures for 2001 data. See 2002 Annual Summary's Special Section of WTC deaths.

Fatal Occupational Injuries - The data presented in Table 11, Figures 9 and 10, is obtained from the Office of Chief Medical Examiner and includes all fatal injuries occurring in New York City regardless of the

residence of decedents or location of the deaths, i.e. deaths occurring inside or outside of New York City. Autopsy and other reports for deaths due to external causes are reviewed if the injury occurred at work. Definitions and terminology are those of Bureau of Labor Statistics, U.S. Department of Labor, which may differ from those generally used in vital statistics. Beginning in 2003, coding for industries was changed from Standard Industrial Classification (SIC) to the North American Industry Classification System (NAICS). Because of the substantial differences between SIC and NAICS, the comparisons by industry with previous years are not encouraged.

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 46, which uses the ethnic group of the mother from the child's birth certificate. In Tables 42 and 43, birth weight is based on the birth certificate.

BOROUGH OF RESIDENCE - Borough of residence and other geographic classifications are based on the usual residence reported in the certificate. Since 1985, assignment to geographic areas below borough, such as health center district and community district, is made through the Geosupport Program, developed and maintained by the DCP.

AGE OF DECEDENT - For ages greater than one year, decedent's age is based on age at last birthday. For infants, actual age is used in minutes, hours, days or months. In previous editions of the Summary, if age were unknown it was coded to 65. Beginning with the 2001 Summary, unknown ages are not recoded. There were two decedents of unknown age, as shown in Table 3.

PLACE OF DEATH - In reporting Place of Death in Table 9, 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

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refers to the decedent's residence, and includes 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 32 and 33 has been corrected since 1996 to include events where the certificate was filed through a hospital.

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 was 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 non-marital 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 AND SPONTANEOUS TERMINATIONS OF PREGNANCY – The number of induced and spontaneous terminations reported depends to some extent on active surveillance, notwithstanding that all terminations, not just those of a certain gestational age or weight, are required to be reported. Active surveillance has caused an increase in the number of spontaneous terminations reported beginning in 1992. An additional result is that some events from earlier years are included in subsequent 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 DCP 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. Beginning in the 2003 Vital Statistics Summary, community district names are provided. 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 relationship between HCD and CD and therefore 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 2004 42 deaths were reassigned from Manhattan to the Bronx, as seen in Table 7 and Table 8: the Manhattan crude death rate for all causes remained the same, while the rate for the Bronx changed from 6.9 to 7.0 with the addition of the 42 deaths. Rates for the selected causes may change as well. For 2004 births, 111 events were reassigned, as shown in Table 34 and Table 36: the Manhattan birth rate did not change, while the Bronx rate increased from 15.6 to 15.7

per 1,000 population. Four births to teenagers were reassigned from Manhattan to the Bronx, seen in Tables 39 and 41: in Manhattan the percent of live births to teens remained the same, while in Bronx, the percent of live births to teens decreased from 12.2 to 12.1.

- 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 can be found in the Department of City Planning, Demographic Profiles, DCP # 92-32-Revised, pp. 293-297.

Map 6. Health Center Districts and Boroughs, New York City



Map 7. Community Districts and Boroughs, New York City



HIGHLIGHTS, 2004 (Continued)

continued to increase from 6,108 in 2003 to 7,220 in 2004, accounting for 7.9% of all procedure types reported. Accordingly, induced terminations of pregnancy by surgical procedures declined.

Life Expectancy – For the first time, the Annual Summary presents annual life expectancy by age and sex (see Table 22a, pg 33). Table 22a uses single year death data resulting in slightly different estimates for the year 2000 than provided in Table 22, but providing year to year changes. 2004 data are not included since deaths occurring to NYC residents outside of NYC are not yet available. Life expectancy continues to increase overall and by sex reaching 75.1 for men and 80.7 for women in 2003.

Years of Potential Life Lost – In last year's 2003 Summary of Vital Statistics, we began reporting Years of Potential Life Lost (YPLL). YPLL represents years of potential life lost due to death. For these data, we include NYC deaths that occur prior to age 75. Causes of death that rank highest for YPLL are malignant neoplasms, accounting for 120,555 years of potential life lost, followed by diseases of the heart, with 90,594 and HIV with 40,443 years of potential life lost. Among the selected causes assessed in Table 22b and Figure 16, the number of YPLL decreased by 5% from 559,032 in 2003 to 529,580 in 2004.

Special Section: Using the Perinatal Periods of Risk (PPOR) Approach to Understand Fetal-Infant Mortality – The PPOR is a measure broader than the infant mortality rate because it includes the high risk period when late fetal deaths occur (pg. 62). PPOR was first introduced in the 2003 Summary. This year we provide PPOR by borough and community health district and explain how the four “periods of risk” can be used to assess and/or determine appropriately targeted interventions and prevention strategies. For all periods of risk, PPOR is the largest among NYC's Non-Hispanic blacks, with the highest risk period found in the Maternal Health/Prematurity period.

New and Expanded Tables and Figures - The following new tables and figures were added or expanded in the 2004 Summary of Vital Statistics:

- Table 8. Expanded to include age adjusted death rates;
- Table 22a. Life Expectancy at Specified ages by Sex, NYC, 1999–2003;
- Table 25. Expanded to include cause of death, malignant neoplasms: colon, rectum and anus;
- Figure 4. Leading Causes of Death for Men, NYC, 2004;
- Figure 5. Leading Causes of Death for Women, NYC, 2004;
- Figure 6. Mean Age at Death by Sex, Malignant Neoplasms and Heart Diseases, NYC, 2004;
- Figure 7. Mean Age at Death by Ethnicity, Malignant Neoplasms and Heart Diseases, NYC, 2004;
- Figure 14. Mean Age at Death, HIV Disease Deaths by Sex, NYC, 1985–2004;
- Figure 20. Percent of Live Births Covered by Medicaid, NYC 1985–2004;
- Figure 21. Percent of Multiple Births by Mother's Age Group, NYC, 1990–2004;
- Figure 24. Percent Live Births to Teenagers by Borough of Residence, NYC, 2004;
- Figure 26. Infant Mortality Rate by Ethnicity, NYC, 2004;
- Map 1. Percent of Live Births to Mothers Not Married by Community District of Residence, NYC, 2004;
- Map 2. Percent of Live Births to Foreign Born Mothers by Community District of Residence, NYC, 2004;
- Map 3. Percent of Live Births to Teenagers by Community District of Residence, NYC, 2004;
- Map 4. Infant Mortality Rate by Health Center District of Residence, NYC, 2004;
- Map 5. Infant Mortality Rate by Community District of Residence, NYC, 2004.

HIGHLIGHTS, 2004

Births - The number of live births registered in 2004 decreased 0.2% to 124,099 from 124,345 in 2003. The number of births to teenagers continues to decline in total number, to 8,702, and as a percentage of all live births, to 7.0% (Tables 39 - 41). While the decline is in its tenth consecutive year and mirrors national trends, local geographic disparity persists. The Bronx continues to have the highest percent of teen births at 12.2%, more than two times higher than the percent of live births to teenagers in Manhattan and Queens, each at 6.0% and Staten Island at 5.9%. Brooklyn follows the Bronx with 7.2% of live births to teenagers.

Infant Deaths - The infant mortality rate (IMR) decreased from 6.5 infant deaths (under one year of age) per 1,000 live births in 2003 to 6.1 in 2004, nearly returning to its historic low of 6.0 in 2002. From 1989 to 2004, IMR declined 54% from 13.3 to 6.1. IMRs for Brooklyn and the Bronx remain higher than the City average, although the Bronx showed a decrease this year from 8.6 in 2003 to 7.1 in 2004.

In 2004, there were 11 deaths (4 males and 7 females) due to Sudden Infant Death Syndrome (SIDS). For the first time, SIDS is not ranked as one of the 10 leading causes of death for infants under one year of age.

Deaths - The number of deaths in New York City decreased 3% from 59,213 in 2003 to 57,466 in 2004 resulting in a reduction in the death rate from 7.4 in 2003 to 7.2 per 1,000 population in 2004, another historic low. Mean age at death increased 0.3 year, from 70.9 to 71.2.

Diseases of the heart, malignant neoplasms, and influenza and pneumonia, in that order, remained the top three leading causes of death in 2004. Among the top 10 causes of death, there were increases in only two causes: influenza and pneumonia, the third leading cause of death, with a 11.5% increase and essential hypertension and renal disease, the ninth leading cause of death, with a

1.1% increase. All remaining causes of death — diseases of the heart, malignant neoplasms, cerebrovascular diseases, diabetes mellitus, chronic lower respiratory disease, HIV diseases, accidents except poisoning by psychoactive substance, and use of or poisoning by psychoactive substance — decreased in number. The number of HIV disease deaths decreased 12.4% from 1,656 in 2003 to 1,451 in 2004, comparable to the 1985 level for AIDS alone at 1,663. Diabetes mellitus deaths decreased 8.3% from 1,891 in 2003 to 1,734 in 2004, dropping back from 4th to 5th leading cause of death in 2004. Deaths due to use of or poisoning by psychoactive substance decreased by 10.9% and deaths due to accidents except poisoning by psychoactive substance decreased by 8.8%. Influenza and pneumonia became the 9th leading cause of death in the 15 to 24 age group, and the 10th leading cause in the 25 to 34 age group.

There was a 4.3% decrease (from 18,149 deaths in 2003 to 17,359 in 2004) in the number of deaths under age 65. This decline was seen among all leading causes except accidents and influenza and pneumonia. The top three leading causes of death among those age 65 and under remain the same in 2004; they are malignant neoplasms, diseases of the heart, and HIV disease.

Notable Changes in Causes of Death - There were 598 homicides in 2004, the lowest number since 1963 when there were 575 homicides.

Induced Terminations of Pregnancy - Reported induced terminations of pregnancy in 2004 were 91,673; this is 853 more than there were in 2003. However, the number of induced terminations reported to the Department of Health and Mental Hygiene depends to some extent on active surveillance. Any interpretations should be made with caution. The number of induced terminations of pregnancy by non-surgical procedures

(Highlights continued on inside back cover)



DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Bureau of Vital Statistics

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