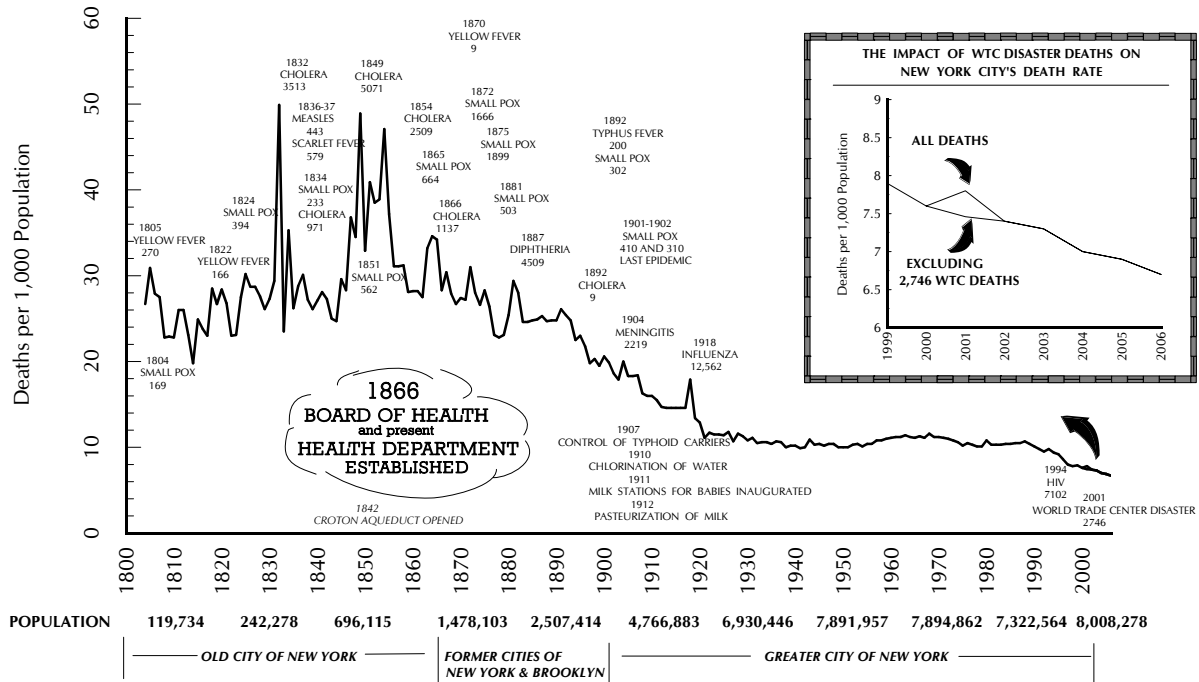


SUMMARY OF VITAL STATISTICS 2006

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

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SUMMARY OF VITAL STATISTICS 2006 THE CITY OF NEW YORK

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New York City Department of Health and Mental Hygiene

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This publication is available at <http://www.nyc.gov/html/doh/html/vs/vs.shtml>.

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Introduction: Summary of Vital Statistics 2006

Description

The 2006 Annual Summary presents data on 2006 vital events including births, deaths and spontaneous and induced terminations of pregnancy, in New York City (NYC). These data, compiled by the Office of Vital Statistics, are derived from vital event certificates filed with the Office of Vital Records at the NYC Department of Health and Mental Hygiene (DOHMH). Vital Records is responsible for registering, archiving, amending, and issuing certified copies of all vital events occurring in NYC.

The Annual Summary presents tables, figures, and maps detailing population, death, and birth data. Deaths are characterized by demographics, natural and external causes, life expectancy, years of potential life lost due to specific causes, and incidence of selected reportable diseases and AIDS. Births are presented by a number of variables, including mother's age, ethnicity, ancestry, prenatal care, marital status, parity, newborn's sex, birth order, weight, plurality, and Apgar score. Frequencies of marriage and baby names are also included. Special attention is given to teenage births and infant mortality. Tables on Perinatal Periods of Risk (PPOR) are also presented. Lastly, this Summary includes special reports that investigate trends in smoking-related deaths and alcohol-related deaths over time.

This report presents data on all births, deaths and spontaneous and induced terminations of pregnancy in NYC. They may occur to both residents and non-residents. Tables with geographic breakdowns distinguish among residents, non-residents, and resident status unknown. In tables showing no geographic breakdowns, all vital events occurring in NYC are included.

For Annual Summaries back to 1961, see our website at: <http://www.nyc.gov/html/doh/html/vs/vs.shtml>. If you have used previous Summaries, you will find that most table numbers remain consistent, providing the ability to assess changes and trends in the data. However, figure numbers have changed, as many are new and supplement the data tables.

NYC Vital Statistics data is also available on the website indicated above or on the Epi-Query website at: <http://query1.health.nycnet/query/>. Epi-Query for Vital Statistics is a relatively new site; it currently contains death data, and birth data will be made available in 2008. New data and modifications are being implemented regularly.

Methods

The cause of death information presented is the underlying cause of death for each decedent. The underlying cause is selected using rules issued by the National Center for Health Statistics (NCHS) and uses codes from the International Classification of Diseases, Tenth Revision (ICD-10) issued by the World Health Organization. NCHS and the Office of Vital Statistics have used ICD-10 coding since January 1, 1999.

Geographic units used to present NYC data are the 5 boroughs, 30 health center districts (HCD), and 59 community districts (CD). HCDs have been historically used by DOHMH since the 1930s to plan and implement public health programs, and CDs were established by City Charter in 1969 for delivery of city services.

Population data, used to estimate rates and proportions, are provided by the NYC Department of City Planning. The 2005 Summary was the first summary to use post-censal estimates in addition to Census 2000 data. Post-censal estimates, calculated by the US Census Bureau, for 2001-2006 are only available for broad measures such as county (borough), 5-year age groups, and sex. They are not available for smaller geographic units and single-year age groups. Therefore, some tables use the Census 2000 estimates, and others use post-censal estimates (as of October 2007). For example, tables showing neighborhood breakdowns or life expectancy calculations by single-year age groups use Census 2000 data. Citywide rates are also affected, and may differ across tables. The total NYC population is 8,008,278 in 2000 by decennial enumeration, and is 8,214,426 in 2006 by post-censal estimation.

Additional details on methods are provided in the Technical Notes at the end of this report.

Table 1.

Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-2006

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
1956-1960	7,806,000	166,949	21.4	68,281	8.7	84,290	10.8	4,290	25.7
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	8,076,374	124,023	15.4 **	72,587	9.0 **	62,964	7.8 **	760	6.1
2001	8,076,374	Excluding World Trade Center disaster deaths				60,218	7.5 **		
2002	8,106,876	122,937	15.2 **	65,490	8.1 **	59,651	7.4 **	742	6.0
2003	8,143,998	124,345	15.3 **	61,101	7.5 **	59,213	7.3 **	807	6.5
2004	8,178,201	124,099	15.2 **	62,057	7.6 **	57,466	7.0 **	760	6.1
2005	8,213,839	122,725	14.9 **	66,348	8.1 **	57,068	6.9 **	732	6.0
2006	8,214,426	125,506	15.3 **	65,619	8.0 **	55,391	6.7 **	740	5.9

* Figures prior to 1961 are averages across the years presented; single-year figures prior to 1961 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated. Intercensal population counts from 1960 to 1990 use a linear interpolation, while 1990 to 2000 are interpolated using an exponential formula.

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

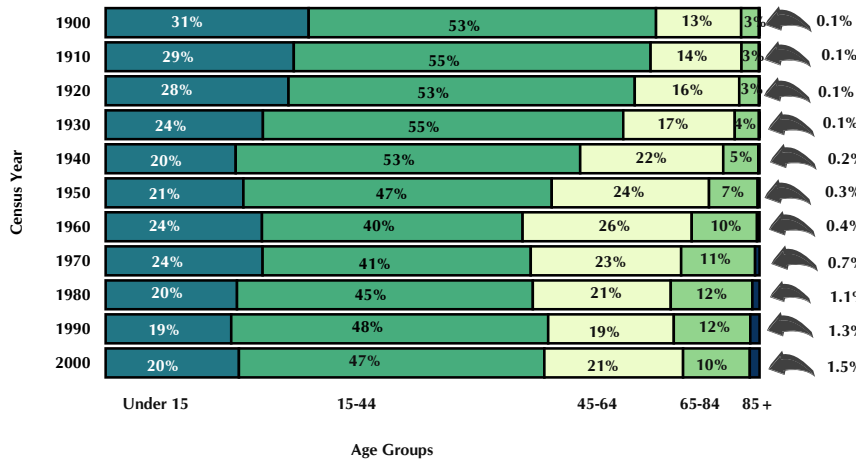
**Population data for years 2001-2006 are revised by using U.S. Census Bureau's estimates as of October 2007; these rates are lower compared to Tables 7, 8, 34, and 36, where the citywide birth or death rates are based on 2000 census population. See Technical Notes: Population.

Table 2.

Population Estimates by Age, Mutually Exclusive Race and Hispanic Origin, and Sex, New York City, 2006

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	8,214,426	3,915,000	4,299,426	1,098,839	1,168,988	1,393,256	1,490,965	893,599	1,095,788	476,767	485,705	52,539	57,980
Under 5	575,823	294,711	281,112	95,891	92,172	84,950	80,238	75,487	73,034	33,849	31,160	4,534	4,508
5-9	516,722	264,151	252,571	87,209	83,470	74,117	69,630	70,067	68,201	28,041	26,545	4,717	4,725
10-14	526,162	268,596	257,566	92,172	88,811	66,433	62,251	77,040	75,438	28,266	26,616	4,685	4,450
15-19	541,378	273,548	267,830	89,246	88,581	73,680	69,198	78,763	80,048	27,603	25,554	4,256	4,449
20-24	564,676	275,258	289,418	92,837	91,010	76,968	79,980	70,864	82,389	30,282	31,390	4,307	4,649
25-29	593,361	288,532	304,829	99,245	92,059	83,840	94,457	64,443	71,795	37,043	42,213	3,961	4,305
30-34	648,712	314,200	334,512	92,499	90,278	117,186	119,208	56,113	71,757	44,549	48,820	3,853	4,449
35-39	666,118	326,449	339,669	89,484	92,135	125,825	117,117	62,512	80,700	44,480	45,123	4,148	4,594
40-44	636,738	312,646	324,092	82,600	87,822	113,807	102,882	68,215	87,449	43,797	41,391	4,227	4,548
45-49	594,520	287,663	306,857	70,351	78,889	107,034	102,408	65,638	82,931	40,842	38,637	3,798	3,992
50-54	524,965	245,823	279,142	56,137	67,851	99,353	102,668	52,841	71,642	34,419	33,623	3,073	3,358
55-59	476,431	217,109	259,322	47,119	59,634	94,357	104,224	45,694	64,064	27,541	28,494	2,398	2,906
60-64	350,488	154,258	196,230	34,629	45,253	67,804	79,551	32,784	50,467	17,472	18,914	1,569	2,045
65-69	286,392	124,222	162,170	26,753	35,500	56,606	68,577	25,524	41,047	14,228	15,452	1,111	1,594
70-74	227,663	95,735	131,928	18,054	27,317	47,206	59,437	19,257	32,117	10,465	11,980	753	1,077
75-79	191,599	75,252	116,347	12,319	20,965	42,856	60,523	12,921	25,149	6,614	8,873	542	837
80-84	145,712	51,481	94,231	7,042	14,266	31,504	54,449	8,566	19,086	4,054	5,740	315	690
85 & Over	146,966	45,366	101,600	5,252	12,975	29,730	64,167	6,870	18,474	3,222	5,180	292	804

Data Source: U.S. Census Bureau, as of October 2007.



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

The changing age composition of New York 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 11%, while the proportion 85 and over increased 13%. 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 greatest difference is among those 85 and over, where there are two and one-half times as many women as men. The smaller segments of both males and females in the 10-14 and 15-19 age groups reflect the lower number of births in the 1980s compared to births in the first half of the 1990s.

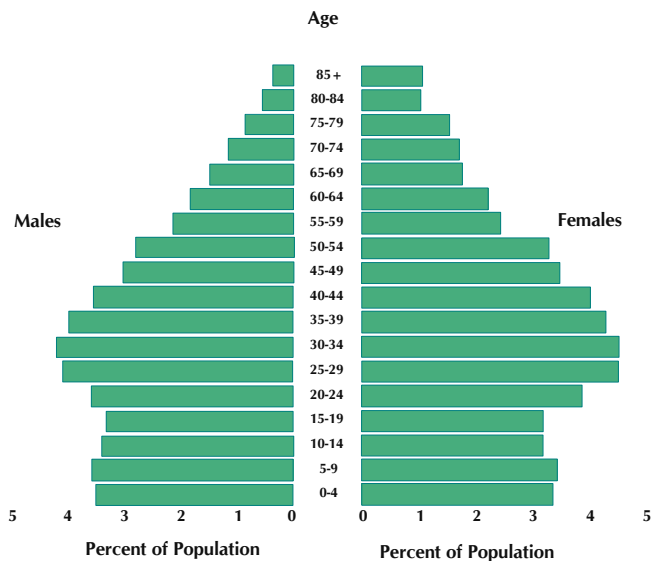


Table 3.

Deaths and Death Rates per 1,000 Population* by Age, Ethnic Group, and Sex, New York City, 2006**

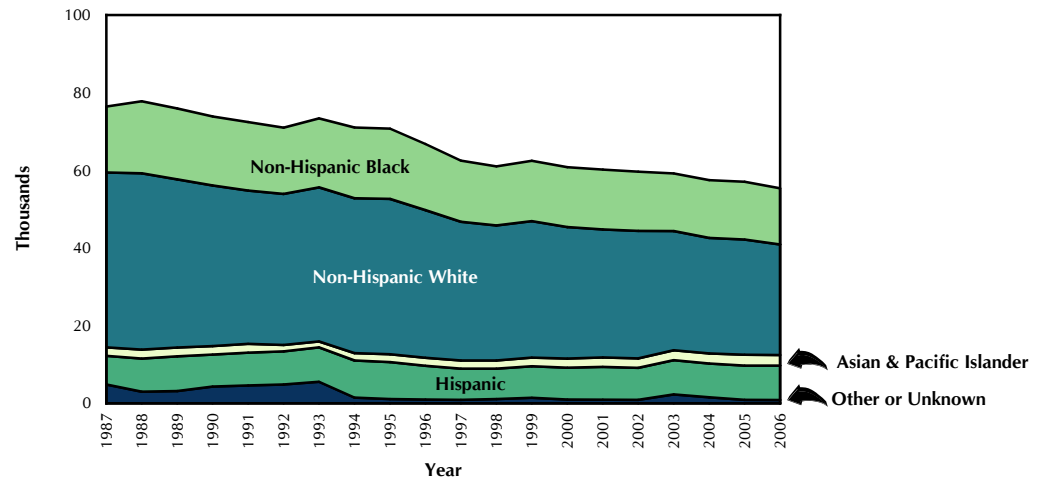
Age in Years	All						Hispanic				Non-Hispanic White				Non-Hispanic Black				Asian and Pacific Islander				Other/Multiple Race/Unknown			
	Total		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate		
All Ages	55,391	6.7	26,965	6.9	28,426	6.6	4,642	4.2	4,220	3.6	13,450	9.7	15,001	10.1	6,861	7.7	7,617	7.0	1,561	3.3	1,168	2.4	451	-	420	-
Age Adjusted		6.6		8.1		5.5		7.2		4.6		7.9		5.4		10.3		6.8		4.9		-	-	-	-	
Under 5	850	1.5	464	1.6	386	1.4	108	1.1	110	1.2	124	1.5	96	1.2	189	2.5	141	1.9	33	1.0	23	0.7	10	-	16	-
5-9	65	0.1	39	0.1	26	0.1	9	0.1	8	0.1	14	0.2	7	0.1	13	0.2	8	0.1	2	0.1	2	0.1	1	-	1	-
10-14	61	0.1	36	0.1	25	0.1	10	0.1	11	0.1	8	0.1	5	0.1	15	0.2	6	0.1	3	0.1	3	0.1	-	-	-	-
15-19	217	0.4	153	0.6	64	0.2	42	0.5	19	0.2	37	0.5	20	0.3	64	0.8	22	0.3	8	0.3	2	0.1	2	-	1	-
20-24	393	0.7	304	1.1	89	0.3	82	0.9	24	0.3	79	1.0	31	0.4	128	1.8	27	0.3	12	0.4	5	0.2	3	-	2	-
25-29	484	0.8	343	1.2	141	0.5	93	0.9	34	0.4	92	1.1	35	0.4	135	2.1	57	0.8	14	0.4	12	0.3	9	-	3	-
30-34	521	0.8	341	1.1	180	0.5	90	1.0	39	0.4	104	0.9	45	0.4	127	2.3	77	1.1	16	0.4	17	0.3	4	-	2	-
35-39	871	1.3	536	1.6	335	1.0	169	1.9	86	0.9	142	1.1	75	0.6	183	2.9	157	1.9	27	0.6	12	0.3	15	-	5	-
40-44	1,461	2.3	866	2.8	595	1.8	241	2.9	130	1.5	257	2.3	141	1.4	300	4.4	290	3.3	45	1.0	22	0.5	23	-	12	-
45-49	2,090	3.5	1,296	4.5	794	2.6	316	4.5	159	2.0	432	4.0	205	2.0	442	6.7	380	4.6	76	1.9	35	0.9	30	-	15	-
50-54	2,772	5.3	1,712	7.0	1,060	3.8	345	6.1	228	3.4	634	6.4	360	3.5	597	11.3	405	5.7	109	3.2	53	1.6	27	-	14	-
55-59	3,411	7.2	2,084	9.6	1,327	5.1	434	9.2	233	3.9	860	9.1	487	4.7	633	13.9	518	8.1	115	4.2	71	2.5	42	-	18	-
60-64	3,572	10.2	2,098	13.6	1,474	7.5	409	11.8	277	6.1	855	12.6	581	7.3	660	20.1	532	10.5	134	7.7	59	3.1	40	-	25	-
65-69	4,159	14.5	2,342	18.9	1,817	11.2	463	17.3	317	8.9	995	17.6	742	10.8	705	27.6	643	15.7	142	10.0	87	5.6	37	-	28	-
70-74	4,900	21.5	2,590	27.1	2,310	17.5	473	26.2	429	15.7	1,242	26.3	1,026	17.3	664	34.5	707	22.0	167	16.0	115	9.6	44	-	33	-
75-79	6,297	32.9	3,170	42.1	3,127	26.9	438	35.6	516	24.6	1,822	42.5	1,642	27.1	668	51.7	777	30.9	187	28.3	146	16.5	55	-	46	-
80-84	7,565	51.9	3,320	64.5	4,245	45.0	423	60.1	529	37.1	2,058	65.3	2,467	45.3	610	71.2	998	52.3	188	46.4	185	32.2	41	-	66	-
85 & Over	15,702	106.8	5,271	116.2	10,431	102.7	497	94.6	1,071	82.5	3,695	124.3	7,036	109.7	728	106.0	1,872	101.3	283	87.8	319	61.6	68	-	133	-
Mean Age	71.5		67.5		75.3		61.6		69.8		72.7		80.0		61.5		69.7		67.4		71.9		64.4		72.2	
Median Age	76		71		80		64		75		77		84		64		73		71		77		67		79	

* Population data are from U.S. Census Bureau's estimates as of October 2007.

** 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/Multiple Race/Unknown" category. See Technical Notes: Multiple Race.

**Figure 3. Deaths by Ethnic Group* of Decedents
New York City, 1987-2006**

Between 1987 and 2006, the overall number of deaths decreased 28%, from 76,448 to 55,391 (a 29% decline from the 1988 peak in this period). Non-Hispanic white deaths, which decreased 37%, accounted for most of the overall deaths. Deaths among non-Hispanic blacks decreased less, about 15%. In the same time period, deaths among Hispanics and Asians increased about 20% and 26%, respectively. However, according to the Census, from 1990 to 2006 the population of Hispanics and Asians increased 27.2% and 69.0%, respectively. Note that WTC disaster 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 or 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, 2006**

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	55,391	10,011	9,014	15,897	12,989	3,456	3,757	267	26,965	28,426	
Natural Causes	52,819	9,570	8,599	15,153	12,402	3,339	3,551	205	25,154	27,665	
1.# Tuberculosis (A16-A19)	18	5	2	4	5	2	–	–	12	6	0.88
Respiratory tuberculosis (A16)	15	5	1	3	4	2	–	–	10	5	0.94
2.# Septicemia (A40-A41)	377	60	101	138	46	11	20	1	185	192	1.19
3.# Viral hepatitis (B15-B19)	374	80	83	82	71	15	40	3	261	113	0.71
4.# Human immunodeficiency virus (HIV) disease (B20-B24)	1,209	277	357	363	114	41	50	7	818	391	1.08
5. All other infective and parasitic diseases (Rest of A01-B99)	230	58	47	53	46	13	13	–	87	143	
6.# Malignant neoplasms (C00-C97)	13,116	2,535	1,892	3,358	2,937	884	1,473	37	6,361	6,755	1.01
Lip, oral cavity and pharynx (C00-C14)	175	35	25	50	32	12	20	1	128	47	0.96
Esophagus (C15)	296	58	33	81	76	19	29	–	182	114	0.99
Stomach (C16)	501	69	66	162	137	20	44	3	278	223	1.01
Colon, rectum and anus (C18-C21)	1,473	270	220	421	342	92	119	9	729	744	1.00
Liver and intrahepatic bile ducts (C22)	610	115	109	159	128	37	60	2	417	193	0.96
Pancreas (C25)	861	178	115	229	189	53	96	1	397	464	1.00
Larynx (C32)	116	16	26	31	28	8	7	–	98	18	1.01
Trachea, bronchus and lung (C33-C34)	2,888	533	401	723	681	264	278	8	1,580	1,308	0.98
Melanoma of skin (C43)	137	28	17	36	20	11	25	–	84	53	0.95
Mesothelioma (C45)	32	6	5	3	4	4	10	–	22	10	
Breast (C50)	1,190	219	165	327	287	67	124	1	6	1,184	1.01
Cervix uteri (C53)	149	31	28	44	33	7	6	–	–	149	1.00
Corpus uteri and uterus, part unspecified (C54-C55)	296	58	44	76	67	15	36	–	–	296	1.02
Ovary (C56)	389	66	47	93	90	33	59	1	–	389	0.99
Prostate (C61)	705	169	121	179	139	36	60	1	705	–	1.01
Kidney and renal pelvis (C64-C65)	242	42	33	68	50	24	25	–	145	97	1.00
Bladder (C67)	326	68	45	58	82	24	49	–	218	108	1.00
Meninges, brain and other parts of central nervous system (C70-C72)	278	52	45	56	62	23	40	–	157	121	0.98
Lymphoid, hematopoietic and related tissues (C81-C96)	1,319	284	178	301	249	75	227	5	713	606	1.00
Hodgkin's disease (C81)	27	1	6	11	1	–	7	1	17	10	1.00
Non-Hodgkin's lymphoma (C82-C85)	522	118	71	116	99	35	81	2	276	246	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	232	53	43	55	44	12	25	–	131	101	1.04
Leukemia (C91-C95)	536	112	57	118	105	28	114	2	287	249	1.01
7.# In situ or benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	229	41	33	58	49	4	43	1	115	114	1.63
8.# Anemias (D50-D64)	65	14	13	21	11	1	5	–	31	34	0.94
9.# Diabetes mellitus (E10-E14)	1,708	309	422	487	330	85	69	6	816	892	1.02
10.## Mental and behavioral disorders due to use of alcohol (F10)	269	54	45	66	79	3	9	13	222	47	
11. Mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19)	903	184	224	234	128	44	67	22	687	216	
## 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)	979	205	234	252	140	47	76	25	731	248	
12. Diseases of nervous system (G00-G98)	676	232	142	111	134	24	31	2	300	376	
# Meningitis (G00,G03)	26	2	5	9	7	1	1	1	12	14	1.01
# Parkinson's disease (G20-G21)	145	61	30	19	27	4	4	–	96	49	1.01
# Alzheimer's disease (G30)	246	105	56	28	45	3	9	–	64	182	1.58
13. Major cardiovascular diseases (I00-I78)	24,760	3,885	3,587	7,815	6,455	1,731	1,211	76	11,121	13,639	1.00
# Diseases of heart (I00-I09, I11,I13, I20-I51)	21,844	3,245	3,064	7,056	5,799	1,587	1,022	71	9,824	12,020	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	39	6	4	11	10	1	7	–	20	19	0.88
Hypertensive heart disease (I11)	1,528	358	327	440	294	38	65	6	704	824	0.80
Hypertensive heart and renal disease (I13)	123	27	28	35	22	2	8	1	73	50	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, 2006 (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)	15,472	2,034	1,892	5,207	4,474	1,150	671	44	6,938	8,534	1.01
Acute myocardial infarction (I21-I22)	3,291	488	588	1,035	691	320	156	13	1,467	1,824	0.99
Cardiomyopathy (I42)	150	29	25	37	41	5	13	–	102	48	
Heart failure (I50)	503	109	86	117	129	29	31	2	197	306	1.04
# Essential hypertension and hypertensive renal disease (I10, I12)	755	156	154	213	162	32	37	1	316	439	1.12
# Cerebrovascular diseases (I60-I69)	1,669	379	275	427	390	90	104	4	735	934	1.05
# Atherosclerosis (I70)	155	34	33	30	34	13	11	–	57	98	0.97
# Aortic aneurysm and dissection (I71)	215	42	41	53	41	8	30	–	130	85	1.00
14.# Influenza and pneumonia (J10-J18)	2,578	508	413	705	606	229	105	12	1,153	1,425	0.70
15.# Chronic lower respiratory diseases (J40-J47)	1,385	285	259	340	342	99	58	2	635	750	1.04
Emphysema (J43)	120	19	18	30	30	16	6	1	61	59	0.96
Asthma (J45-J46)	149	29	44	46	22	4	4	–	56	93	0.89
16. Pneumoconiosis due to asbestos and other mineral fibres (J61)	3	–	–	1	1	–	–	–	3	–	
17.# Pneumonitis due to solids and liquids (J69)	42	14	11	12	5	–	–	–	18	24	1.10
18.# Peptic ulcer (K25-K28)	111	13	20	39	29	4	6	–	62	49	0.97
19.# Chronic liver disease and cirrhosis (K70, K73-K74)	454	76	102	118	86	16	49	7	325	129	1.03
Alcoholic liver disease (K70)	306	55	63	75	68	14	26	5	241	65	1.00
20.# Cholelithiasis and other disorders of gallbladder (K80-K82)	65	15	16	14	16	1	3	–	27	38	0.96
21.# Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	468	115	70	143	101	17	20	2	263	205	1.26
Renal failure (N17-N19)	457	113	66	141	99	17	19	2	256	201	1.33
22.# Pregnancy, childbirth and the puerperium (O00-O99)	34	4	7	14	9	–	–	–	–	34	1.14
Maternal causes* (A34, O00-O95, O98-O99)	29	3	6	14	6	–	–	–	–	29	
23.# Certain conditions originating in the perinatal period (P00-P96)	443	60	94	142	93	8	45	1	248	195	1.08
24.# Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	250	31	33	74	45	8	58	1	135	115	0.90
25. Symptoms, signs and abnormal findings, not elsewhere classified (R00-R94, R96-R99)	258	118	29	45	51	2	11	2	110	148	0.98
Pending final determination (R99)	1	–	–	–	1	–	–	–	–	1	
26. Sudden infant death syndrome (R95)	10	2	5	2	1	–	–	–	7	3	1.06
27. All other natural causes (Rest of A00-R99)	2,784	595	592	714	612	96	165	10	1,152	1,632	
External Causes	2,572	441	415	744	587	117	206	62	1,811	761	
Injury by firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	432	46	111	162	70	12	27	4	402	30	1.00
28.## Accidents (V01-X59, Y85-Y86)	1,195	204	166	317	311	55	117	25	756	439	1.03
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44)	76	21	10	18	12	3	9	3	44	32	1.04
Motor vehicle accidents**	385	50	48	117	85	23	54	8	263	122	0.95
Accidental falls (W00-W19)	434	73	61	104	147	18	27	4	255	179	0.77
29.# Intentional self-harm (suicide) (X60-X84, Y87.0)	459	106	61	99	128	23	32	10	344	115	1.00
30.# Assault (homicide) (X85-Y09, Y87.1)	624	84	156	216	91	23	42	12	522	102	1.00
31.# Legal Intervention (Y35, Y89.0)	6	–	3	2	–	1	–	–	5	1	0.94
32. Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	263	44	25	99	52	15	13	15	174	89	0.99
33.# Complications of medical and surgical care (Y40-Y84, Y88)	25	3	4	11	5	–	2	–	10	15	0.63
34.# Operations of war and their sequelae (Y36, Y89.1)	0	–	–	–	–	–	–	–	–	–	

Note: Beginning on 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 finalized comparability ratios based on all death certificates in 1996. See Technical Notes: Comparability Ratio.

The NCHS list of 113 selected causes of death is the base list for tabulating causes in this table. From this list, some causes have been dropped due to small numbers or added due to their importance in New York City.

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.

The following cause groups are not ranked as leading causes nationally, but are eligible to be ranked as leading causes in NYC because of the number of deaths and their public health importance: "Mental and behavioral disorders due to use of alcohol", "Mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco" and "Accidents", which in NYC, excludes poisoning psychoactive substances (excluding alcohol and tobacco).

* Maternal deaths exclude deaths occurring more than 42 days after the termination of pregnancy, and include 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.

Table 5.

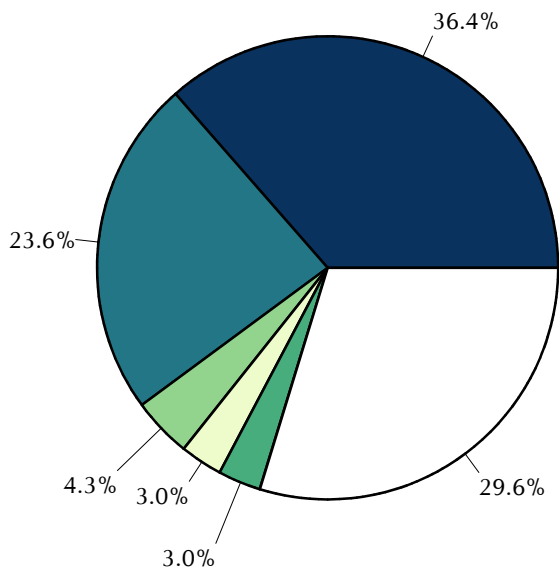
**Leading Causes of Death in Specified Age Groups by Sex
New York City, 2006**

Rank	ALL AGES	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	9,824	36.4	12,020	42.3	21,844	39.4
2	Malignant Neoplasms.	6,361	23.6	6,755	23.8	13,116	23.7
3	Influenza and Pneumonia.	1,153	4.3	1,425	5.0	2,578	4.7
4	Diabetes Mellitus.	816	3.0	892	3.1	1,708	3.1
5	Cerebrovascular Diseases.	735	2.7	934	3.3	1,669	3.0
6	Chronic Lower Respiratory Diseases.	635	2.4	750	2.6	1,385	2.5
7	Human Immunodeficiency Virus (HIV) Disease.	818	3.0	391	1.4	1,209	2.2
8	Accidents Except Poisoning by Psychoactive Substance.	712	2.6	407	1.4	1,119	2.0
9	Use of or Poisoning by Psychoactive Substance	731	2.7	248	0.9	979	1.8
10	Essential Hypertension and Renal Diseases	316	1.2	439	1.5	755	1.4
	All Other Causes	4,864	18.0	4,165	14.7	9,029	16.3
	Total	26,965	100.0	28,426	100.0	55,391	100.0
Rank	UNDER 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations.	77	19.0	71	21.2	148	20.0
2	Short Gestation and Low Birth Weight.	55	13.6	62	18.5	117	15.8
3	Cardiovascular Disorders Originating in the Perinatal Period.	69	17.0	39	11.6	108	14.6
4	External Causes	33	8.1	32	9.6	65	8.8
5	Respiratory Distress of Newborn.	27	6.7	15	4.5	42	5.7
6	Necrotizing Enterocolitis of Newborn.	15	3.7	11	3.3	26	3.5
7	Other Respiratory Conditions Originating in the Perinatal Period.	11	2.7	11	3.3	22	3.0
8	Bacterial Sepsis of Newborn	12	3.0	9	2.7	21	2.8
9	Pulmonary Hemorrhage Originating in the Perinatal Period.	10	2.5	6	1.8	16	2.2
10	Atelectasis	8	2.0	4	1.2	12	1.6
	All Other Causes	88	21.7	75	22.4	163	22.0
	Total.	405	100.0	335	100.0	740	100.0
Rank	1 TO 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	28	20.9	13	12.7	41	17.4
2	Accidents Except Poisoning by Psychoactive Substance.	17	12.7	19	18.6	36	15.3
3	Congenital Malformations, Deformations.	19	14.2	12	11.8	31	13.1
4	Assault (Homicide).	9	6.7	17	16.7	26	11.0
5	Diseases of Heart.	11	8.2	6	5.9	17	7.2
6	Chronic Lower Respiratory Diseases.	4	3.0	4	3.9	8	3.4
7	In Situ, Benign and Uncertain Neoplasms	4	3.0	2	2.0	6	2.5
8	Influenza and Pneumonia.	3	2.2	2	2.0	5	2.1
8	Cerebrovascular Diseases.	3	2.2	2	2.0	5	2.1
	All Other Causes.	36	26.9	25	24.5	61	25.8
	Total.	134	100.0	102	100.0	236	100.0
Rank	15 TO 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide).	188	41.1	13	8.5	201	33.0
2	Accidents Except Poisoning by Psychoactive Substance.	73	16.0	19	12.4	92	15.1
3	Malignant Neoplasms.	37	8.1	22	14.4	59	9.7
4	Intentional Self-harm (Suicide).	32	7.0	10	6.5	42	6.9
5	Use of or Poisoning by Psychoactive Substance	27	5.9	6	3.9	33	5.4
6	Human Immunodeficiency Virus (HIV) Disease.	12	2.6	10	6.5	22	3.6
6	Diseases of Heart.	17	3.7	5	3.3	22	3.6
8	Congenital Malformations, Deformations.	7	1.5	5	3.3	12	2.0
9	In Situ, Benign and Uncertain Neoplasms	7	1.5	4	2.6	11	1.8
10	Influenza and Pneumonia.	5	1.1	5	3.3	10	1.6
	All Other Causes.	52	11.4	54	35.3	106	17.4
	Total.	457	100.0	153	100.0	610	100.0
Rank	25 TO 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide).	153	22.4	18	5.6	171	17.0
2	Use of or Poisoning by Psychoactive Substance	100	14.6	30	9.3	130	12.9
3	Malignant Neoplasms.	59	8.6	55	17.1	114	11.3
4	Accidents Except Poisoning by Psychoactive Substance.	87	12.7	9	2.8	96	9.6
5	Intentional Self-harm (Suicide).	63	9.2	19	5.9	82	8.2
6	Diseases of Heart.	45	6.6	26	8.1	71	7.1
7	Human Immunodeficiency Virus (HIV) Disease.	41	6.0	22	6.9	63	6.3
8	Diabetes Mellitus.	16	2.3	9	2.8	25	2.5
9	Cerebrovascular Diseases.	10	1.5	13	4.0	23	2.3
10	Pregnancy, Childbirth and the Puerperium.	—	0.0	17	5.3	17	1.7
	All Other Causes.	110	16.1	103	32.1	213	21.2
	Total.	684	100.0	321	100.0	1,005	100.0

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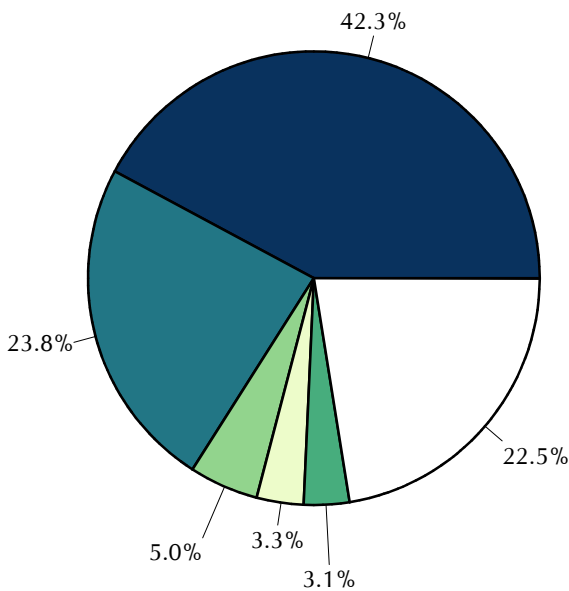
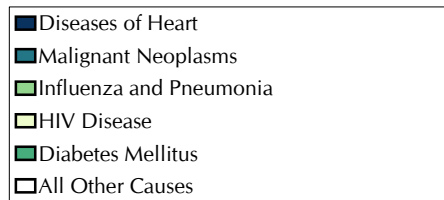
Note: For each age group, the ten leading causes of death for both sexes combined are arranged in decreasing order of frequency; causes with fewer than five deaths are not shown.

Rank	35 TO 44 YEARS	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	170	12.1	284	30.5	454	19.5
2	Human Immunodeficiency Virus (HIV) Disease.	211	15.0	132	14.2	343	14.7
3	Use of or Poisoning by Psychoactive Substance.	221	15.8	95	10.2	316	13.6
4	Diseases of Heart.	184	13.1	97	10.4	281	12.0
5	Accidents Except Poisoning by Psychoactive Substance.	85	6.1	26	2.8	111	4.8
6	Assault (Homicide).	78	5.6	18	1.9	96	4.1
7	Intentional Self-harm (Suicide).	64	4.6	18	1.9	82	3.5
8	Diabetes Mellitus.	50	3.6	22	2.4	72	3.1
9	Cerebrovascular Diseases.	25	1.8	25	2.7	50	2.1
10	Chronic Liver Disease and Cirrhosis.	34	2.4	13	1.4	47	2.0
	All Other Causes.	280	20.0	200	21.5	480	20.6
	Total.	1,402	100.0	930	100.0	2,332	100.0
Rank	45 TO 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	635	21.1	711	38.3	1,346	27.7
2	Diseases of Heart.	676	22.5	303	16.3	979	20.1
3	Human Immunodeficiency Virus (HIV) Disease.	342	11.4	160	8.6	502	10.3
4	Use of or Poisoning by Psychoactive Substance.	265	8.8	92	5.0	357	7.3
5	Diabetes Mellitus.	77	2.6	59	3.2	136	2.8
6	Viral Hepatitis.	103	3.4	28	1.5	131	2.7
7	Cerebrovascular Diseases.	71	2.4	49	2.6	120	2.5
8	Accidents Except Poisoning by Psychoactive Substance.	90	3.0	28	1.5	118	2.4
9	Intentional Self-harm (Suicide).	84	2.8	33	1.8	117	2.4
10	Chronic Liver Disease and Cirrhosis.	82	2.7	25	1.3	107	2.2
	All Other Causes.	583	19.4	366	19.7	949	19.5
	Total.	3,008	100.0	1,854	100.0	4,862	100.0
Rank	55 TO 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	1,245	29.8	1,192	42.6	2,437	34.9
2	Diseases of Heart.	1,310	31.3	672	24.0	1,982	28.4
3	Diabetes Mellitus.	157	3.8	122	4.4	279	4.0
4	Human Immunodeficiency Virus (HIV) Disease.	160	3.8	52	1.9	212	3.0
5	Cerebrovascular Diseases.	126	3.0	86	3.1	212	3.0
6	Influenza and Pneumonia.	96	2.3	74	2.6	170	2.4
7	Chronic Liver Disease and Cirrhosis.	122	2.9	35	1.2	157	2.2
8	Accidents Except Poisoning by Psychoactive Substance.	108	2.6	41	1.5	149	2.1
9	Chronic Lower Respiratory Diseases.	78	1.9	64	2.3	142	2.0
10	Use of or Poisoning by Psychoactive Substance.	100	2.4	23	0.8	123	1.8
	All Other Causes.	680	16.3	440	15.7	1,120	16.0
	Total.	4,182	100.0	2,801	100.0	6,983	100.0
Rank	65 TO 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	1,827	37.0	1,367	33.1	3,194	35.3
2	Malignant Neoplasms.	1,635	33.2	1,516	36.7	3,151	34.8
3	Diabetes Mellitus.	193	3.9	196	4.7	389	4.3
4	Cerebrovascular Diseases.	160	3.2	152	3.7	312	3.4
5	Influenza and Pneumonia.	164	3.3	135	3.3	299	3.3
6	Chronic Lower Respiratory Diseases.	126	2.6	144	3.5	270	3.0
7	Accidents Except Poisoning by Psychoactive Substance.	88	1.8	52	1.3	140	1.5
8	Essential Hypertension and Hypertensive Renal Disease.	58	1.2	56	1.4	114	1.3
9	Nephritis, Nephrotic Syndrome and Nephrosis.	49	1.0	29	0.7	78	0.9
10	Chronic Liver Disease and Cirrhosis.	51	1.0	26	0.6	77	0.8
	All Other Causes.	581	11.8	454	11.0	1,035	11.4
	Total.	4,932	100.0	4,127	100.0	9,059	100.0
Rank	75 TO 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	2,880	44.4	3,380	45.8	6,260	45.2
2	Malignant Neoplasms.	1,722	26.5	1,815	24.6	3,537	25.5
3	Influenza and Pneumonia.	376	5.8	400	5.4	776	5.6
4	Diabetes Mellitus.	213	3.3	257	3.5	470	3.4
5	Cerebrovascular Diseases.	199	3.1	269	3.6	468	3.4
6	Chronic Lower Respiratory Diseases.	216	3.3	219	3.0	435	3.1
7	Essential Hypertension and Hypertensive Renal Disease.	75	1.2	106	1.4	181	1.3
8	Accidents Except Poisoning by Psychoactive Substance.	82	1.3	97	1.3	179	1.3
9	Nephritis, Nephrotic Syndrome and Nephrosis.	70	1.1	61	0.8	131	0.9
10	Septicemia.	61	0.9	49	0.7	110	0.8
	All Other Causes.	596	9.2	719	9.8	1,315	9.5
	Total.	6,490	100.0	7,372	100.0	13,862	100.0
Rank	85 AND OVER	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	2,872	54.5	6,162	59.1	9,034	57.5
2	Malignant Neoplasms.	829	15.7	1,146	11.0	1,975	12.6
3	Influenza and Pneumonia.	424	8.0	743	7.1	1,167	7.4
4	Cerebrovascular Diseases.	133	2.5	337	3.2	470	3.0
5	Chronic Lower Respiratory Diseases.	159	3.0	264	2.5	423	2.7
6	Diabetes Mellitus.	107	2.0	227	2.2	334	2.1
7	Essential Hypertension and Hypertensive Renal Disease.	74	1.4	188	1.8	262	1.7
8	Accidents Except Poisoning by Psychoactive Substance.	76	1.4	111	1.1	187	1.2
9	Alzheimer's Disease.	36	0.7	125	1.2	161	1.0
10	Nephritis, Nephrotic Syndrome and Nephrosis.	71	1.3	87	0.8	158	1.0
	All Other Causes.	490	9.3	1,041	10.0	1,531	9.8
	Total.	5,271	100.0	10,431	100.0	15,702	100.0



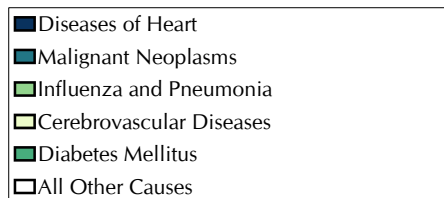
**Figure 4. Leading Causes of Death for Males
New York City, 2006**

Sixty percent of the 26,965 deaths among New York City males in 2006 were caused by either diseases of the heart (36.4%) or malignant neoplasms (23.6%). Influenza and pneumonia caused 4.3% of deaths, and HIV diseases and diabetes mellitus each caused 3.0% of deaths. The percent of deaths caused by the top 5 leading causes among males declined about 1 percentage point from 2005 to 2006. All remaining causes of deaths among males accounted for 29.6% of total deaths.



**Figure 5. Leading Causes of Death for Females
New York City, 2006**

The two leading causes of death among females were the same as those for males, diseases of the heart and malignant neoplasms, and accounted for 66.1% of the 28,426 deaths. Influenza and pneumonia caused 5.0% of deaths. The fourth and fifth leading causes in females differ from those of males: cerebrovascular diseases caused 3.3% of deaths in 2006, and diabetes mellitus caused 3.1%. All remaining causes of deaths among females accounted for 22.5% of total deaths.



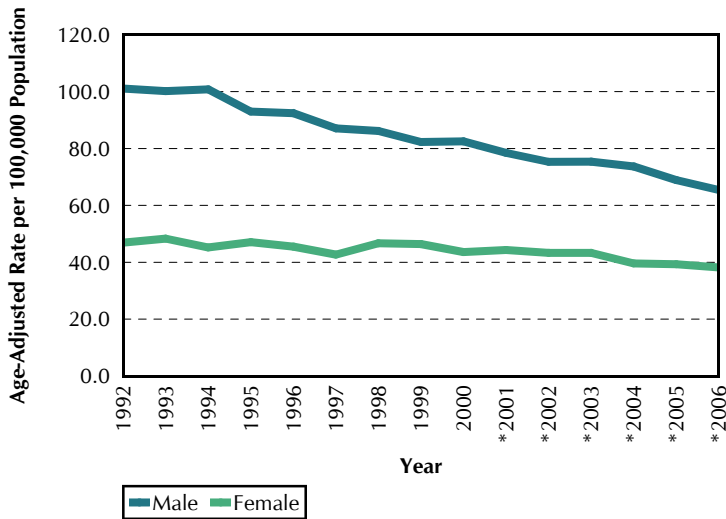


Figure 6a. Age-Adjusted Death Rates* for Trachea, Bronchus, and Lung Malignant Neoplasms, by Sex, Age 20 and Over, New York City, 1992-2006

Trachea, bronchus, and lung cancers are the leading causes of death among all cancers. The age-adjusted death rate for men decreased dramatically in the past 15 years, from 101.1 per 100,000 population in 1992 to 65.4 in 2006. In contrast, the age-adjusted rate did not change much for women over the same time period, from 46.9 per 100,000 population in 1992 to 38.2 in 2006.

ICD-9 is used to code cause of death for 1992-1998, while ICD-10 is used to code cause of death for 1999-2006. Comparability ratios from ICD-9 to ICD-10 are 0.98 for males and 0.99 for females.

*Population data in 1992-1999 are interpolated from 1990 and 2000 census data. Population data for 2001-2006 are from U.S. Census Bureau's estimates as of October 2007. See Technical Notes: Population.

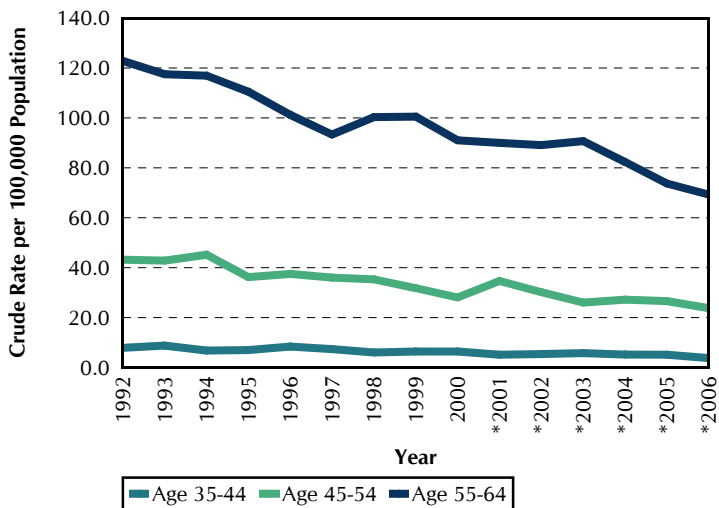


Figure 6b. Age-Specific Death Rates* for Trachea, Bronchus, and Lung Malignant Neoplasms, Selected Age Group New York City, 1992-2006

Trachea, bronchus, and lung cancers are the leading causes of death among all cancers. The age-specific death rates all decreased in the past 15 years, changing from 122.8 per 100,000 population to 69.3 for the 55-64 age group, from 43.2 to 23.8 for the 45-54 age group, and 7.9 to 3.8 for the 35-44 age group. Greatest improvements were among adults aged 55-64.

ICD-9 is used to code cause of death for 1992-1998, while ICD-10 is used to code cause of death for 1999-2006.

*Population data in 1992-1999 are interpolated from 1990 and 2000 census data. Population data for 2001-2006 are from U.S. Census Bureau's estimates as of October 2007. See Technical Notes: Population.

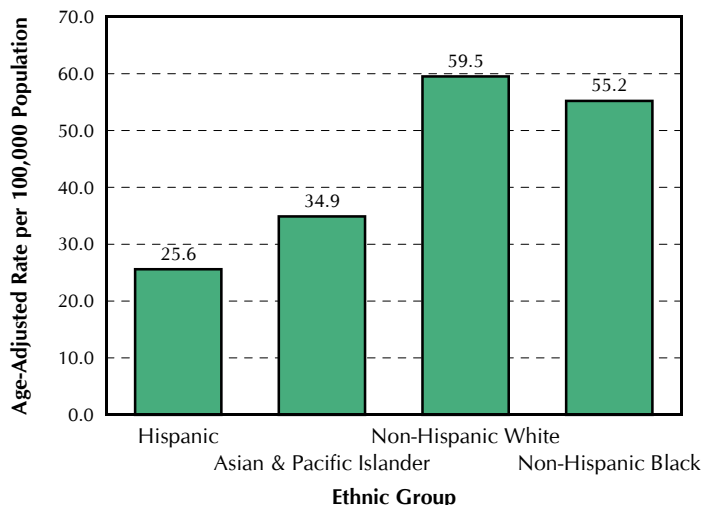


Figure 7. Age-Adjusted Death Rates* for Trachea, Bronchus, and Lung Malignant Neoplasms, by Ethnic Group, Age 20 and Over, New York City, 2006

The age-adjusted rate of trachea, bronchus, and lung cancer is the lowest for Hispanics, at 25.6 per 100,000 population, and highest for Non-Hispanic whites, at 59.5 per 100,000 population. The rates for Asian and Pacific Islanders and Non-Hispanic blacks are 34.9 and 55.2 per 100,000 population, respectively.

*Population data are from 2006 U.S. Census Bureau's estimates as of October 2007. See Technical Notes: Population.

Table 5a.

Leading Causes of Death by Sex, Age Under 65
New York City, 2006

Rank	Cause of Death	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	2,175	21.2	2,278	35.1	4,453	26.6
	Trachea, bronchus, and lung	525	5.1	367	5.6	892	5.3
	Breast	2	0.0	546	8.4	548	3.3
	Colon, rectum, and anus	218	2.1	195	3.0	413	2.5
	Liver and intrahepatic bile ducts	207	2.0	60	0.9	267	1.6
	Pancreas.	143	1.4	107	1.6	250	1.5
2	Diseases of Heart.	2,245	21.9	1,111	17.1	3,356	20.0
3	Human Immunodeficiency Virus (HIV) Disease.	766	7.5	377	5.8	1,143	6.8
4	Use of or Poisoning by Psychoactive Substance	713	6.9	246	3.8	959	5.7
5	Accidents Except Poisoning by Psychoactive Substance.	466	4.5	147	2.3	613	3.7
6	Assault (Homicide).	503	4.9	92	1.4	595	3.5
7	Diabetes Mellitus.	303	2.9	212	3.3	515	3.1
8	Cerebrovascular Diseases.	243	2.4	176	2.7	419	2.5
9	Intentional Self-harm (Suicide).	293	2.9	96	1.5	389	2.3
10	Influenza and Pneumonia.	189	1.8	147	2.3	336	2.0
	All Other Causes	2,376	23.1	1,614	24.8	3,990	23.8
	Total	10,272	100.0	6,496	100.0	16,768	100.0

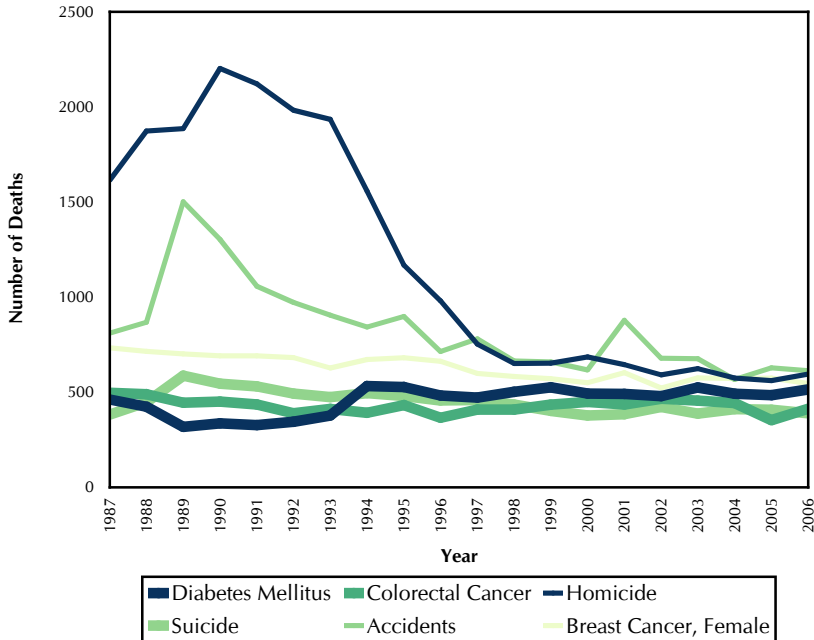


Figure 8. Number of Deaths from Selected Causes Age under 65, New York City, 1987-2006

The number of homicide deaths to those under 65 years of age declined steadily between 1990 and 1998. Since 1998, it has remained near 600 deaths per year, with 595 homicide deaths in 2006. (Note, all reported WTC deaths are homicides and not included for the year 2001.) Suicide deaths peaked in 1989 at 587, and then declined slightly to 389 in 2006. The number of colorectal cancer deaths occurring among those under 65 years of age also declined in the past two decades, from 497 in 1987 to 413 in 2006. Accidental deaths have fluctuated since their surge in 2001, which was 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 has remained near 500 deaths per year. Breast cancer deaths in women have decreased slowly over the past two decades from approximately 700 deaths per year to between 500 and 600 deaths per year since 1997.

Table 6.

**Leading Causes of Death in Specified Ethnic Groups* by Sex
New York City, 2006**

Rank	Puerto Rican	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	738	28.7	815	35.0	1,553	31.7
2	Malignant Neoplasms.	524	20.4	472	20.2	996	20.3
3	Diabetes Mellitus.	125	4.9	145	6.2	270	5.5
4	Influenza and Pneumonia.	117	4.5	119	5.1	236	4.8
5	Human Immunodeficiency Virus (HIV) Disease.	163	6.3	57	2.4	220	4.5
6	Use of or Poisoning by Psychoactive Substance	115	4.5	37	1.6	152	3.1
7	Cerebrovascular Diseases.	67	2.6	84	3.6	151	3.1
8	Chronic Lower Respiratory Diseases.	60	2.3	84	3.6	144	2.9
9	Chronic Liver Disease and Cirrhosis.	74	2.9	19	0.8	93	1.9
10	Viral Hepatitis.	67	2.6	21	0.9	88	1.8
	All Other Causes	524	20.4	478	20.5	1,002	20.4
	Total	2,574	100.0	2,331	100.0	4,905	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	591	28.6	593	31.4	1,184	29.9
2	Malignant Neoplasms.	428	20.7	494	26.2	922	23.3
3	Influenza and Pneumonia.	69	3.3	104	5.5	173	4.4
4	Cerebrovascular Diseases.	75	3.6	90	4.8	165	4.2
5	Accidents Except Poisoning by Psychoactive Substance.	111	5.4	32	1.7	143	3.6
6	Diabetes Mellitus.	66	3.2	60	3.2	126	3.2
7	Human Immunodeficiency Virus (HIV) Disease.	78	3.8	33	1.7	111	2.8
8	Assault (Homicide).	86	4.2	19	1.0	105	2.7
9	Use of or Poisoning by Psychoactive Substance	69	3.3	24	1.3	93	2.4
10	Chronic Lower Respiratory Diseases.	29	1.4	37	2.0	66	1.7
	All Other Causes	466	22.5	403	21.3	869	22.0
	Total.	2,068	100.0	1,889	100.0	3,957	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	504	32.3	394	33.7	898	32.9
2	Malignant Neoplasms.	437	28.0	361	30.9	798	29.2
3	Influenza and Pneumonia.	78	5.0	63	5.4	141	5.2
4	Cerebrovascular Diseases.	61	3.9	64	5.5	125	4.6
5	Diabetes Mellitus.	48	3.1	41	3.5	89	3.3
6	Accidents Except Poisoning by Psychoactive Substance.	52	3.3	22	1.9	74	2.7
7	Chronic Lower Respiratory Diseases.	51	3.3	14	1.2	65	2.4
8	Intentional Self-harm (Suicide).	33	2.1	13	1.1	46	1.7
9	Essential Hypertension and Hypertensive Renal Disease.	21	1.3	14	1.2	35	1.3
10	Viral Hepatitis.	19	1.2	10	0.9	29	1.1
	All Other Causes.	257	16.5	172	14.7	429	15.7
	Total.	1,561	100.0	1,168	100.0	2,729	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	5,729	42.6	7,272	48.5	13,001	45.7
2	Malignant Neoplasms.	3,395	25.2	3,567	23.8	6,962	24.5
3	Influenza and Pneumonia.	606	4.5	783	5.2	1,389	4.9
4	Chronic Lower Respiratory Diseases.	338	2.5	406	2.7	744	2.6
5	Cerebrovascular Diseases.	312	2.3	398	2.7	710	2.5
6	Accidents Except Poisoning by Psychoactive Substance.	305	2.3	234	1.6	539	1.9
7	Diabetes Mellitus.	268	2.0	268	1.8	536	1.9
8	Use of or Poisoning by Psychoactive Substance	302	2.2	80	0.5	382	1.3
9	Essential Hypertension and Hypertensive Renal Disease.	99	0.7	154	1.0	253	0.9
10	Intentional Self-harm (Suicide).	171	1.3	62	0.4	233	0.8
	All Other Causes.	1,925	14.3	1,777	11.8	3,702	13.0
	Total.	13,450	100.0	15,001	100.0	28,451	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart.	2,109	30.7	2,781	36.5	4,890	33.8
2	Malignant Neoplasms.	1,485	21.6	1,773	23.3	3,258	22.5
3	Human Immunodeficiency Virus (HIV) Disease.	407	5.9	253	3.3	660	4.6
4	Diabetes Mellitus.	297	4.3	358	4.7	655	4.5
5	Influenza and Pneumonia.	263	3.8	330	4.3	593	4.1
6	Cerebrovascular Diseases.	207	3.0	283	3.7	490	3.4
7	Assault (Homicide).	307	4.5	43	0.6	350	2.4
8	Chronic Lower Respiratory Diseases.	148	2.2	198	2.6	346	2.4
9	Essential Hypertension and Hypertensive Renal Disease.	131	1.9	193	2.5	324	2.2
10	Use of or Poisoning by Psychoactive Substance	222	3.2	98	1.3	320	2.2
	All Other Causes.	1,285	18.7	1,307	17.2	2,592	17.9
	Total.	6,861	100.0	7,617	100.0	14,478	100.0

Note: For each ethnic group, the ten leading causes of death 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, 2006**

Rank	Puerto Rican	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	206	16.9	173	24.3	379	19.6
2	Diseases of Heart.	225	18.5	125	17.5	350	18.1
3	Human Immunodeficiency Virus (HIV) Disease.	156	12.8	55	7.7	211	10.9
4	Use of or Poisoning by Psychoactive Substance	115	9.4	37	5.2	152	7.9
5	Diabetes Mellitus.	44	3.6	40	5.6	84	4.4
6	Viral Hepatitis	59	4.8	16	2.2	75	3.9
7	Chronic Liver Disease and Cirrhosis.	53	4.4	12	1.7	65	3.4
8	Assault (Homicide).	43	3.5	19	2.7	62	3.2
9	Accidents Except Poisoning by Psychoactive Substance.	39	3.2	14	2.0	53	2.7
10	Influenza and Pneumonia.	25	2.1	22	3.1	47	2.4
	All Other Causes	253	20.8	200	28.1	453	23.5
	Total	1,218	100.0	713	100.0	1,931	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	202	17.9	244	37.8	446	25.1
2	Diseases of Heart.	189	16.7	76	11.8	265	14.9
3	Accidents Except Poisoning by Psychoactive Substance.	93	8.2	21	3.3	114	6.4
4	Human Immunodeficiency Virus (HIV) Disease.	73	6.5	31	4.8	104	5.9
5	Assault (Homicide).	84	7.4	17	2.6	101	5.7
6	Use of or Poisoning by Psychoactive Substance	69	6.1	24	3.7	93	5.2
7	Intentional Self-harm (Suicide).	45	4.0	10	1.6	55	3.1
8	Cerebrovascular Diseases.	34	3.0	19	2.9	53	3.0
9	Chronic Liver Disease and Cirrhosis.	39	3.5	8	1.2	47	2.6
10	Mental Disorders due to Use of Alcohol	37	3.3	4	0.6	41	2.3
	All Other Causes	265	23.5	191	29.6	456	25.7
	Total.	1,130	100.0	645	100.0	1,775	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	187	31.5	154	48.7	341	37.5
2	Diseases of Heart.	147	24.7	35	11.1	182	20.0
3	Intentional Self-harm (Suicide).	27	4.5	11	3.5	38	4.2
4	Accidents Except Poisoning by Psychoactive Substance.	28	4.7	5	1.6	33	3.6
5	Cerebrovascular Diseases.	19	3.2	12	3.8	31	3.4
6	Diabetes Mellitus.	17	2.9	9	2.8	26	2.9
7	Chronic Liver Disease and Cirrhosis.	17	2.9	2	0.6	19	2.1
8	Congenital Malformations, Deformations.	12	2.0	5	1.6	17	1.9
9	Viral Hepatitis	10	1.7	4	1.3	14	1.5
10	Assault (Homicide).	11	1.9	2	0.6	13	1.4
10	Mental Disorders due to Use of Alcohol	13	2.2	—	0.0	13	1.4
	All Other Causes.	106	17.8	77	24.4	183	20.1
	Total.	594	100.0	316	100.0	910	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	940	25.8	924	44.3	1,864	32.6
2	Diseases of Heart.	919	25.3	333	15.9	1,252	21.9
3	Use of or Poisoning by Psychoactive Substance	297	8.2	79	3.8	376	6.6
4	Accidents Except Poisoning by Psychoactive Substance.	156	4.3	60	2.9	216	3.8
5	Intentional Self-harm (Suicide).	139	3.8	49	2.3	188	3.3
6	Human Immunodeficiency Virus (HIV) Disease.	126	3.5	38	1.8	164	2.9
7	Diabetes Mellitus.	79	2.2	46	2.2	125	2.2
8	Influenza and Pneumonia.	56	1.5	56	2.7	112	2.0
9	Cerebrovascular Diseases.	64	1.8	47	2.3	111	1.9
10	Chronic Liver Disease and Cirrhosis.	75	2.1	29	1.4	104	1.8
	All Other Causes.	787	21.6	427	20.5	1,214	21.2
	Total.	3,638	100.0	2,088	100.0	5,726	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	608	17.4	753	28.7	1,361	22.3
2	Diseases of Heart.	722	20.7	525	20.0	1,247	20.4
3	Human Immunodeficiency Virus (HIV) Disease.	385	11.0	244	9.3	629	10.3
4	Assault (Homicide).	299	8.6	42	1.6	341	5.6
5	Use of or Poisoning by Psychoactive Substance	209	6.0	97	3.7	306	5.0
6	Diabetes Mellitus.	133	3.8	99	3.8	232	3.8
7	Accidents Except Poisoning by Psychoactive Substance.	136	3.9	43	1.6	179	2.9
8	Cerebrovascular Diseases.	97	2.8	77	2.9	174	2.8
9	Influenza and Pneumonia.	76	2.2	51	1.9	127	2.1
10	Chronic Lower Respiratory Diseases.	51	1.5	59	2.3	110	1.8
10	Essential Hypertension and Renal Diseases	55	1.6	55	2.1	110	1.8
	All Other Causes.	715	20.5	575	21.9	1,290	21.1
	Total.	3,486	100.0	2,620	100.0	6,106	100.0

Note: For each ethnic group, the ten leading causes of death 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 7.

Deaths and Crude Death Rates* per 100,000 Population from Selected Causes by Health Center District of Residence, New York City, 2006

Health Center District of Residence	Population 2000 Census	All Causes		Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance Use & 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		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000		Rate Per 1,000	
NEW YORK CITY***	8,008,278	55,391	6.9*	21,844	272.8	13,116	163.8	1,209	15.1	2,578	32.2	1,669	20.8	1,385	17.3	454	5.7	1,708	21.3	979	12.2	1,119	14.0	459	5.7	624	7.8	263	3.3
MANHATTAN	1,537,195	10,011	6.5	3,245	211.1	2,535	164.9	277	18.0	508	33.0	379	24.7	285	18.5	76	4.9	309	20.1	205	13.3	183	11.9	106	6.9	84	5.5	44	2.9
Central Harlem	123,781	1,258	10.2	335	270.6	323	260.9	58	46.9	51	41.2	34	27.5	42	33.9	8	6.5	56	45.2	38	30.7	25	20.2	5	4.0	25	20.2	4	3.2
East Harlem	136,172	927	6.8	306	224.7	202	148.3	39	28.6	49	36.0	35	25.7	30	22.0	6	4.4	40	29.4	21	15.4	11	8.1	9	6.6	17	12.5	2	1.5
Kips Bay-Yorkville	241,888	1,526	6.3	517	213.7	434	179.4	16	6.6	76	31.4	62	25.6	49	20.3	7	2.9	31	12.8	15	6.2	27	11.2	19	7.9	3	1.2	7	2.9
Lower East Side	242,760	1,755	7.2	542	223.3	448	184.5	60	24.7	88	36.2	69	28.4	48	19.8	17	7.0	68	28.0	39	16.1	32	13.2	21	8.7	6	2.5	2	0.8
Lower West Side	309,871	1,717	5.5	524	169.1	485	156.5	49	15.8	91	29.4	64	20.7	53	17.1	12	3.9	37	11.9	34	11.0	34	11.0	21	6.8	3	1.0	13	4.2
Riverside	203,527	1,425	7.0	552	271.2	324	159.2	25	12.3	65	31.9	56	27.5	35	17.2	10	4.9	40	19.7	21	10.3	24	11.8	10	4.9	4	2.0	8	3.9
Washington Heights	279,196	1,403	5.0	469	168.0	319	114.3	30	10.7	88	31.5	59	21.1	28	10.0	16	5.7	37	13.3	37	13.3	30	10.7	21	7.5	26	9.3	8	2.9
BRONX	1,332,650	9,014	6.8	3,064	229.9	1,892	142.0	357	26.8	413	31.0	275	20.6	259	19.4	102	7.7	422	31.7	234	17.6	156	11.7	61	4.6	156	11.7	25	1.9
Fordham-Riverdale	264,157	1,978	7.5	795	301.0	358	135.5	39	14.8	103	39.0	70	26.5	57	21.6	22	8.3	75	28.4	36	13.6	41	15.5	18	6.8	27	10.2	2	0.8
Morrisania	168,173	1,108	6.6	308	183.1	222	132.0	87	51.7	40	23.8	32	19.0	33	19.6	21	12.5	59	35.1	27	16.1	16	9.5	6	3.6	38	22.6	3	1.8
Mott Haven	138,675	843	6.1	232	167.3	172	124.0	54	38.9	34	24.5	19	13.7	22	15.9	13	9.4	44	31.7	34	24.5	16	11.5	4	2.9	20	14.4	5	3.6
Pelham Bay	244,452	1,922	7.9	677	276.9	450	184.1	27	11.0	110	45.0	61	25.0	60	24.5	13	5.3	103	42.1	28	11.5	25	10.2	15	6.1	20	8.2	6	2.5
Tremont	215,636	1,053	4.9	269	124.7	223	103.4	101	46.8	38	17.6	30	13.9	30	13.9	11	5.1	50	23.2	61	28.3	17	7.9	6	2.8	25	11.6	2	0.9
Westchester	301,557	2,110	7.0	783	259.7	467	154.9	49	16.2	88	29.2	63	20.9	57	18.9	22	7.3	91	30.2	48	15.9	41	13.6	12	4.0	26	8.6	7	2.3
BROOKLYN	2,465,326	15,897	6.4	7,056	286.2	3,358	136.2	363	14.7	705	28.6	427	17.3	340	13.8	118	4.8	487	19.8	252	10.2	299	12.1	99	4.0	216	8.8	99	4.0
Bay Ridge	271,224	2,024	7.5	1,057	389.7	443	163.3	5	1.8	85	31.3	42	15.5	45	16.6	13	4.8	31	11.4	27	10.0	37	13.6	14	5.2	6	2.2	10	3.7
Bedford	230,175	1,638	7.1	571	248.1	338	146.8	84	36.5	76	33.0	54	23.5	35	15.2	14	6.1	85	36.9	39	16.9	21	9.1	6	2.6	43	18.7	3	1.3
Brownsville	301,771	1,935	6.4	642	212.7	422	139.8	84	27.8	70	23.2	72	23.9	44	14.6	19	6.3	87	28.8	27	8.9	53	17.6	10	3.3	50	16.6	15	5.0
Bushwick	193,661	951	4.9	310	160.1	180	92.9	47	24.3	55	28.4	29	15.0	21	10.8	15	7.7	37	19.1	29	15.0	22	11.4	4	2.1	22	11.4	7	3.6
Flatbush	538,519	3,062	5.7	1,453	269.8	686	127.4	48	8.9	125	23.2	77	14.3	53	9.8	17	3.2	89	16.5	25	4.6	61	11.3	19	3.5	37	6.9	18	3.3
Fort Greene	152,636	985	6.5	367	240.4	188	123.2	48	31.4	56	36.7	38	24.9	22	14.4	3	2.0	44	28.8	27	17.7	8	5.2	6	3.9	36	23.6	4	2.6
Gravesend	309,623	2,776	9.0	1,607	519.0	566	182.8	13	4.2	90	29.1	48	15.5	52	16.8	8	2.6	46	14.9	25	8.1	45	14.5	23	7.4	12	3.9	16	5.2
Red Hook-Gowanus	111,434	627	5.6	243	218.1	150	134.6	18	16.2	37	33.2	13	11.7	12	10.8	10	9.0	16	14.4	16	14.4	11	9.9	6	5.4	2	1.8	6	5.4
Sunset Park	195,945	1,004	5.1	470	239.9	205	104.6	8	4.1	59	30.1	27	13.8	24	12.2	11	5.6	18	9.2	17	8.7	24	12.2	6	3.1	4	2.0	7	3.6
Williamsburg-Greenpoint	160,338	895	5.6	336	209.6	180	112.3	8	5.0	52	32.4	27	16.8	32	20.0	8	5.0	34	21.2	20	12.5	17	10.6	5	3.1	4	2.5	13	8.1
QUEENS	2,229,379	12,989	5.8	5,799	260.1	2,937	131.7	114	5.1	606	27.2	390	17.5	342	15.3	86	3.9	330	14.8	140	6.3	299	13.4	128	5.7	91	4.1	52	2.3
Astoria	270,535	1,400	5.2	657	242.9	323	119.4	15	5.5	60	22.2	32	11.8	47	17.4	12	4.4	27	10.0	16	5.9	35	12.9	15	5.5	9	3.3	5	1.8
Corona	365,234	1,548	4.2	598	163.7	370	101.3	20	5.5	86	23.5	53	14.5	29	7.9	18	4.9	52	14.2	13	3.6	53	14.5	19	5.2	9	2.5	12	3.3
Flushing	498,318	3,107	6.2	1,467	294.4	755	151.5	12	2.4	153	30.7	76	15.3	86	17.3	16	3.2	53	10.6	24	4.8	60	12.0	38	7.6	13	2.6	6	1.2
Jamaica East	378,044	2,082	5.5	824	218.0	471	124.6	32	8.5	84	22.2	93	24.6	50	13.2	11	2.9	85	22.5	28	7.4	53	14.0	10	2.6	32	8.5	10	2.6
Jamaica West	421,894	2,705	6.4	1,234	292.5	531	125.9	26	6.2	123	29.2	85	20.1	72	17.1	22	5.2	79	18.7	38	9.0	58	13.7	25	5.9	24	5.7	7	1.7
Maspeth-Forest Hills	295,354	2,147	7.3	1,019	345.0	487	164.9	9	3.0	100	33.9	51	17.3	58	19.6	7	2.4	34	11.5	21	7.1	40	13.5	21	7.1	4	1.4	12	4.1
RICHMOND	443,728	3,456	7.8	1,587	357.7	884	199.2	41	9.2	229	51.6	90	20.3	99	22.3	16	3.6	85	19.2	47	10.6	52	11.7	23	5.2	23	5.2	15	3.4
NON-RESIDENTS	-	3,757	-	1,022	-	1,473	-	50	-	105	-	104	-	58	-	49	-	69	-	76	-	108	-	32	-	42	-	13	-
RESIDENCE UNKNOWN	-	267	-	71	-	37	-	7	-	12	-	4	-	2	-	7	-	6	-	25	-	22	-	10	-	12	-	15	-

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.

* Population data by health center district are available from 2000 census only. The citywide death rate shown here differs from the rate shown in Table 1, where the rate is 6.7 based on 2006 Census Bureau's estimates as of October 2007.

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

*** New York City deaths include events to residents of the 5 boroughs, as well as non-residents and residence unknowns. See Technical Notes: Data Collection.

Table 8. Deaths and Death Rates* per 100,000 Population from Selected Causes by Community District of Residence, New York City, 2006

Community District of Residence	Population 2000 Census	All Causes (Rate per 1,000)			Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance Use & 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	55,391	6.9*	7.3	21,844	272.8	13,116	163.8	1,209	15.1	2,578	32.2	1,669	20.8	1,385	17.3	454	5.7	1,708	21.3	979	12.2	1,119	14.0	459	5.7	624	7.8	263	3.3
MANHATTAN	1,537,195	9,979	6.5	6.5	3,239	210.7	2,528	164.5	276	18.0	506	32.9	378	24.6	284	18.5	75	4.9	309	20.1	201	13.1	183	11.9	105	6.8	82	5.3	44	2.9
Battery Park, Tribeca (01)	34,420	156	4.5	6.9	44	127.8	42	122.0	5	14.5	7	20.3	7	20.3	4	11.6	2	5.8	4	11.6	1	2.9	3	8.7	1	2.9	2	5.8	1	2.9
Greenwich Village, SOHO (02)	93,119	440	4.7	5.0	132	141.8	145	155.7	7	7.5	26	27.9	22	23.6	19	20.4	3	3.2	5	5.4	12	12.9	6	6.4	2	2.1	-	-	2	2.1
Lower East Side (03)	164,407	1,299	7.9	7.6	375	228.1	326	198.3	48	29.2	61	37.1	55	33.5	42	25.5	12	7.3	59	35.9	26	15.8	21	12.8	16	9.7	6	3.6	1	0.6
Chelsea, Clinton (04)	87,479	543	6.2	6.3	167	190.9	139	158.9	27	30.9	25	28.6	15	17.1	15	17.1	4	4.6	14	16.0	12	13.7	11	12.6	9	10.3	1	1.1	5	5.7
Midtown Business District (05)	44,028	241	5.5	6.5	86	195.3	59	134.0	7	15.9	15	34.1	6	13.6	6	13.6	-	-	2	4.5	7	15.9	3	6.8	7	15.9	-	-	4	9.1
Murray Hill (06)	136,152	815	6.0	5.0	267	196.1	222	163.1	14	10.3	44	32.3	31	22.8	26	19.1	8	5.9	19	14.0	17	12.5	17	12.5	8	5.9	2	1.5	4	2.9
Upper West Side (07)	207,699	1,420	6.8	6.2	533	256.6	337	162.3	18	8.7	63	30.3	60	28.9	34	16.4	9	4.3	36	17.3	16	7.7	28	13.5	12	5.8	4	1.9	6	2.9
Upper East Side (08)	217,063	1,350	6.2	5.3	470	216.5	381	175.5	16	7.4	73	33.6	56	25.8	37	17.0	4	1.8	27	12.4	12	5.5	23	10.6	18	8.3	2	0.9	3	1.4
Manhattanville (09)	111,724	671	6.0	7.3	221	197.8	162	145.0	24	21.5	31	27.7	24	21.5	15	13.4	7	6.3	27	24.2	21	18.8	17	15.2	9	8.1	8	7.2	9	8.1
Central Harlem (10)	107,109	1,036	9.7	10.4	278	259.5	263	245.5	49	45.7	36	33.6	29	27.1	38	35.5	8	7.5	42	39.2	30	28.0	20	18.7	3	2.8	24	22.4	4	3.7
East Harlem (11)	117,743	980	8.3	9.2	303	257.3	219	186.0	46	39.1	55	46.7	30	25.5	30	25.5	6	5.1	51	43.3	27	22.9	14	11.9	7	5.9	17	14.4	2	1.7
Washington Heights (12)	208,414	1,028	4.9	5.9	363	174.2	233	111.8	15	7.2	70	33.6	43	20.6	18	8.6	12	5.8	23	11.0	20	9.6	20	9.6	13	6.2	16	7.7	3	1.4
BRONX	1,332,650	9,046	6.8	8.0	3,070	230.4	1,899	142.5	358	26.9	415	31.1	276	20.7	260	19.5	103	7.7	422	31.7	238	17.9	156	11.7	62	4.7	158	11.9	25	1.9
Mott Haven (01)	82,159	569	6.9	10.1	147	178.9	115	140.0	42	51.1	22	26.8	9	11.0	19	23.1	8	9.7	34	41.4	27	32.9	11	13.4	1	1.2	7	8.5	5	6.1
Hunts Point (02)	46,824	276	5.9	9.5	86	183.7	45	96.1	15	32.0	12	25.6	8	17.1	2	4.3	7	14.9	12	25.6	8	17.1	5	10.7	2	4.3	21	44.8	-	-
Morrisania (03)	68,574	463	6.8	11.1	120	175.0	94	137.1	44	64.2	19	27.7	16	23.3	15	21.9	10	14.6	20	29.2	18	26.2	6	8.7	1	1.5	18	26.2	1	1.5
Concourse, Highbridge (04)	139,563	818	5.9	9.6	231	165.5	177	126.8	64	45.9	33	23.6	19	13.6	23	16.5	11	7.9	44	31.5	18	12.9	12	8.6	6	4.3	17	12.2	2	1.4
University/Morris Heights (05)	128,313	598	4.7	9.5	149	116.1	123	95.9	55	42.9	17	13.2	20	15.6	17	13.2	11	8.6	29	22.6	34	26.5	9	7.0	5	3.9	16	12.5	1	0.8
East Tremont (06)	75,688	453	6.0	9.1	111	146.7	104	137.4	30	39.6	14	18.5	12	15.9	12	15.9	4	5.3	24	31.7	30	39.6	15	19.8	3	4.0	14	18.5	1	1.3
Fordham (07)	141,411	806	5.7	7.9	302	213.6	146	103.2	25	17.7	32	22.6	34	24.0	28	19.8	9	6.4	35	24.8	16	11.3	21	14.9	7	5.0	14	9.9	2	1.4
Riverdale (08)	101,332	1,036	10.2	6.5	466	459.9	181	178.6	8	7.9	67	66.1	34	33.6	27	26.6	8	7.9	29	28.6	11	10.9	12	11.8	10	9.9	5	4.9	-	-
Unionport, Soundview (09)	167,859	1,035	6.2	8.1	333	198.4	204	121.5	38	22.6	48	28.6	33	19.7	32	19.1	14	8.3	49	29.2	34	20.3	23	13.7	5	3.0	17	10.1	4	2.4
Throgs Neck (10)	115,948	1,040	9.0	6.7	429	370.0	257	221.7	13	11.2	37	31.9	35	30.2	24	20.7	10	8.6	43	37.1	18	15.5	13	11.2	8	6.9	3	2.6	2	1.7
Pelham Parkway (11)	110,706	997	9.0	7.2	385	347.8	234	211.4	8	7.2	48	43.4	27	24.4	33	29.8	6	5.4	49	44.3	10	9.0	15	13.5	7	6.3	14	12.6	1	0.9
Williamsbridge (12)	149,077	954	6.4	7.0	311	208.6	219	146.9	16	10.7	66	44.3	29	19.5	28	18.8	5	3.4	53	35.6	14	9.4	14	9.4	7	4.7	12	8.0	6	4.0
BROOKLYN	2,465,326	15,897	6.4	7.0	7,056	286.2	3,358	136.2	363	14.7	705	28.6	427	17.3	340	13.8	118	4.8	487	19.8	252	10.2	299	12.1	99	4.0	216	8.8	99	4.0
Williamsburg, Greenpoint (01)	160,338	895	5.6	7.3	336	209.6	180	112.3	8	5.0	52	32.4	27	16.8	32	20.0	8	5.0	34	21.2	20	12.5	17	10.6	5	3.1	4	2.5	13	8.1
Fort Greene, Brooklyn Heights (02)	98,620	628	6.4	7.4	261	264.7	129	130.8	23	23.3	40	40.6	19	19.3	12	12.2	2	2.0	20	20.3	11	11.2	5	5.1	6	6.1	13	13.2	3	3.0
Bedford Stuyvesant (03)	143,867	1,085	7.5	9.7	354	246.1	207	143.9	66	45.9	54	37.5	26	18.1	31	21.5	7	4.9	53	36.8	41	28.5	15	10.4	4	2.8	37	25.7	5	3.5
Bushwick (04)	104,358	498	4.8	8.5	161	154.3	93	89.1	23	22.0	34	32.6	18	17.2	11	10.5	6	5.7	18	17.2	17	16.3	11	10.5	2	1.9	6	5.7	4	3.8
East New York (05)	173,198	1,091	6.3	9.2	355	205.0	232	134.0	55	31.8	35	20.2	38	21.9	25	14.4	12	6.9	48	27.7	20	11.5	32	18.5	6	3.5	29	16.7	6	3.5
Park Slope (06)	104,054	567	5.4	7.1	219	210.5	143	137.4	14	13.5	40	38.4	15	14.4	14	13.5	11	10.6	14	13.5	12	11.5	10	9.6	3	2.9	2	1.9	3	2.9
Sunset Park (07)	120,063	568	4.7	6.5	224	186.6	122	101.6	6	5.0	43	35.8	18	15.0	17	14.2	7	5.8	16	13.3	17	14.2	17	14.2	3	2.5	3	2.5	4	3.3
Crown Heights North (08)	96,076	665	6.9	8.6	233	242.5	134	139.5	36	37.5	36	37.5	28	29.1	14	14.6	7	7.3	30	31.2	14	14.6	5	5.2	4	4.2	23	23.9	2	2.1
Crown Heights South (09)	104,014	615	5.9	7.7	232	223.0	124	119.2	17	16.3	20	19.2	21	20.2	11	10.6	5	4.8	41	39.4	7	6.7	12	11.5	2	1.9	10	9.6	2	1.9
Bay Ridge (10)	122,542	984	8.0	6.3	472	385.2	215	175.5	4	3.3	51	41.6	28	22.8	31	25.3	6	4.9	14	11.4	18	14.7	18	14.7	7	5.7	5	4.1	5	4.1
Bensonhurst (11)	172,129	1,314	7.6	5.9	722	419.5</																								

Table 8.

Deaths and Death Rates* per 100,000 Population from Selected Causes by Community District of Residence, New York City, 2006 (Continued)

Community District of Residence	Population 2000 Census	All Causes (Rate per 1,000)			Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance Use & 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	12,989	5.8	5.8	5,799	260.1	2,937	131.7	114	5.1	606	27.2	390	17.5	342	15.3	86	3.9	330	14.8	140	6.3	299	13.4	128	5.7	91	4.1	52	2.3
Astoria, Long Island City (01)	211,220	1,066	5.0	5.8	529	250.4	236	111.7	12	5.7	41	19.4	21	9.9	36	17.0	8	3.8	20	9.5	13	6.2	23	10.9	13	6.2	8	3.8	3	1.4
Sunnyside, Woodside (02)	109,920	497	4.5	5.0	188	171.0	137	124.6	3	2.7	28	25.5	14	12.7	14	12.7	8	7.3	12	10.9	4	3.6	16	14.6	4	3.6	2	1.8	3	2.7
Jackson Heights (03)	169,083	798	4.7	5.7	297	175.7	190	112.4	8	4.7	53	31.3	28	16.6	17	10.1	10	5.9	27	16.0	7	4.1	30	17.7	9	5.3	4	2.4	7	4.1
Elmhurst, Corona (04)	167,005	635	3.8	5.5	260	155.7	144	86.2	12	7.2	27	16.2	24	14.4	11	6.6	4	2.4	22	13.2	5	3.0	19	11.4	8	4.8	4	2.4	5	3.0
Ridgewood, Glendale (05)	165,911	1,098	6.6	6.1	471	283.9	252	151.9	6	3.6	63	38.0	23	13.9	31	18.7	5	3.0	23	13.9	13	7.8	24	14.5	14	8.4	3	1.8	4	2.4
Rego Park, Forest Hills (06)	115,967	938	8.1	5.2	497	428.6	209	180.2	3	2.6	31	26.7	25	21.6	24	20.7	2	1.7	8	6.9	7	6.0	13	11.2	6	5.2	1	0.9	7	6.0
Flushing (07)	242,952	1,579	6.5	5.1	749	308.3	399	164.2	7	2.9	77	31.7	36	14.8	51	21.0	8	3.3	28	11.5	12	4.9	37	15.2	19	7.8	8	3.3	3	1.2
Fresh Meadows, Briarwood (08)	146,594	909	6.2	5.4	397	270.8	208	141.9	3	2.0	40	27.3	37	25.2	17	11.6	5	3.4	22	15.0	9	6.1	18	12.3	12	8.2	3	2.0	4	2.7
Woodhaven (09)	141,608	646	4.6	5.6	253	178.7	138	97.5	8	5.6	25	17.7	28	19.8	12	8.5	5	3.5	15	10.6	11	7.8	21	14.8	13	9.2	5	3.5	1	0.7
Howard Beach (10)	127,274	675	5.3	6.0	272	213.7	160	125.7	5	3.9	36	28.3	26	20.4	19	14.9	9	7.1	19	14.9	12	9.4	14	11.0	6	4.7	2	1.6	1	0.8
Bayside (11)	116,404	657	5.6	4.2	336	288.6	145	124.6	1	0.9	36	30.9	16	13.7	16	13.7	4	3.4	11	9.4	6	5.2	11	9.4	5	4.3	2	1.7	2	1.7
Jamaica, St. Albans (12)	223,602	1,422	6.4	7.2	546	244.2	307	137.3	23	10.3	61	27.3	71	31.8	34	15.2	10	4.5	56	25.0	22	9.8	37	16.5	4	1.8	22	9.8	8	3.6
Queens Village (13)	196,284	912	4.6	5.0	379	193.1	222	113.1	12	6.1	35	17.8	26	13.2	22	11.2	3	1.5	31	15.8	6	3.1	21	10.7	9	4.6	11	5.6	-	-
The Rockaways (14)	106,686	1,147	10.8	9.6	620	581.1	187	175.3	11	10.3	53	49.7	15	14.1	38	35.6	5	4.7	36	33.7	13	12.2	15	14.1	6	5.6	16	15.0	4	3.7
STATEN ISLAND	443,728	3,456	7.8	8.4	1,587	357.7	884	199.2	41	9.2	229	51.6	90	20.3	99	22.3	16	3.6	85	19.2	47	10.6	52	11.7	23	5.2	23	5.2	15	3.4
Port Richmond (01)	162,609	1,295	8.0	8.7	539	331.5	308	189.4	31	19.1	110	67.6	32	19.7	37	22.8	10	6.1	36	22.1	29	17.8	13	8.0	12	7.4	18	11.1	12	7.4
Willowbrook, South Beach (02)	127,071	1,132	8.9	8.0	569	447.8	271	213.3	8	6.3	70	55.1	34	26.8	31	24.4	4	3.1	22	17.3	7	5.5	23	18.1	6	4.7	4	3.1	3	2.4
Tottenville (03)	152,908	1,028	6.7	8.6	479	313.3	305	199.5	2	1.3	48	31.4	24	15.7	31	20.3	2	1.3	27	17.7	11	7.2	16	10.5	5	3.3	1	0.7	-	-

Note: 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.

* Population data by community district are available from 2000 census only. The citywide crude death rate shown here differs from the rate shown in Table 1, where the rate is 6.7 based on 2006 Census Bureau's estimates as of October 2007.

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

*** New York City deaths include events to residents of the 5 boroughs, as well as non-residents and residence unknowns. See Technical Notes: Data Collection.

Table 9.

**Deaths by Place* of Death
New York City, 2000-2006**

Place of Death	2000		2001**		2002		2003		2004		2005		2006	
	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%
Total	60,839	100.0	60,218	100.0	59,651	100.0	59,213	100.0	57,466	100.0	57,068	100.0	55,391	100.0
Home	11,163	18.3	11,150	18.5	10,944	18.3	10,843	18.3	10,342	18.0	10,590	18.6	10,603	19.1
Hospital														
Voluntary	34,208	56.2	33,418	55.5	33,565	56.3	33,307	56.2	32,630	56.8	32,022	56.1	30,575	55.2
Proprietary	842	1.4	845	1.4	740	1.2	737	1.2	738	1.3	799	1.4	644	1.2
Municipal	5,598	9.2	5,534	9.2	5,362	9.0	5,277	8.9	4,931	8.6	4,715	8.3	4,635	8.4
Other Government	866	1.4	790	1.3	715	1.2	689	1.2	632	1.1	560	1.0	575	1.0
Nursing Home	6,632	10.9	6,621	11.0	6,735	11.3	6,790	11.5	6,659	11.6	6,748	11.8	6,644	12.0
Other Specified Place	1,530	2.5	1,860	3.1	1,590	2.7	1,570	2.7	1,534	2.7	1,634	2.9	1,715	3.1

* Hospital includes residential units, hospices and other special facilities within the hospital. Hospice care may be provided at any place. See Technical Notes: Geographic Units, Place of Death.

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

Table 10.

**Deaths by Decedent Ancestry* and Borough of Residence
New York City, 2006**

Ancestry	Borough of Residence						Non-Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total	55,391	10,011	9,014	15,897	12,989	3,456	3,757	267
Puerto Rican	4,905	1,020	1,926	1,251	434	130	130	14
Dominican	1,317	508	385	184	191	4	42	3
Colombian	242	25	9	15	178	5	10	-
Ecuadorian	323	40	65	42	144	4	28	-
Mexican	225	41	40	58	52	15	18	1
Cuban	409	130	90	47	112	11	19	-
Other Hispanic	1,441	229	384	374	330	28	81	15
African-American	10,946	2,261	2,412	3,593	2,066	196	381	37
American	12,276	2,827	1,420	2,634	2,978	950	1,446	21
Guyanese	529	9	53	227	224	1	15	-
Haitian	504	41	9	277	135	5	34	3
Jamaican	629	22	193	286	90	6	31	1
Trinidadian	298	11	23	203	49	-	11	1
All Other North, Central and South American	1,039	96	154	552	162	10	63	2
English	221	55	14	27	55	42	28	-
German	1,037	207	89	118	457	82	82	2
Irish	2,146	266	265	371	648	351	243	2
Italian	5,446	301	554	1,740	1,359	1,120	364	8
Polish	1,110	142	93	423	305	81	64	2
Russian	919	107	45	528	182	26	31	-
Other European	2,907	418	184	1,039	979	134	149	4
Asian Indian	282	8	13	29	157	14	59	2
Bangladeshi	75	2	11	12	47	-	3	-
Chinese	1,616	529	22	467	501	40	56	1
Filipino	169	19	13	16	77	20	24	-
Korean	294	15	17	18	211	10	22	1
Pakistani	82	2	4	24	40	3	9	-
Other Asian	418	76	23	102	163	17	37	-
Jewish or Hebrew	1,467	181	130	763	237	26	126	4
Other or Not Stated	2,119	423	374	477	426	125	151	143

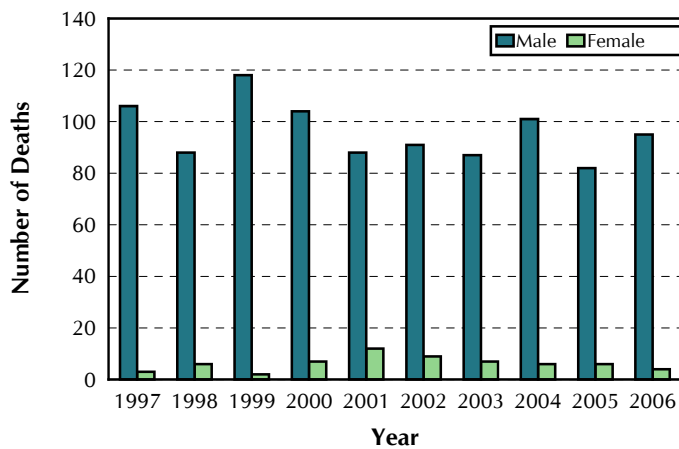
* See Technical Notes: Race, Ancestry, Ethnic Group and Birthplace.

Table 11.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 2006**

Characteristic	All Deaths	Sex		Age Group				
		Male	Female	<25	25-34	35-44	45-54	55+
Total	99	95	4	8	25	25	24	17
Selected Events								
Transportation incident	14	14	0	3	5	3	1	2
Assaults and violent acts	21	19	2	3	4	8	4	2
Homicide	15	13	2	3	3	5	2	2
Shooting	10	9	1	2	3	3	1	1
Falls	34	34	0	1	5	6	10	12
Selected Industries *								
Construction	43	43	0	3	13	8	10	9
Taxicabs	3	3	0	0	1	0	1	1
Grocery stores	2	2	0	0	1	1	0	0
Eating and drinking places	3	2	1	0	3	0	0	0
Police and fire protection	3	3	0	0	1	1	1	0
Ethnic Group								
Non-Hispanic White	28	26	2	0	3	8	11	6
Non-Hispanic Black	21	20	1	4	4	5	6	2
Hispanic	43	42	1	4	16	10	6	7
Asian and Pacific Islander	7	7	0	0	2	2	1	2

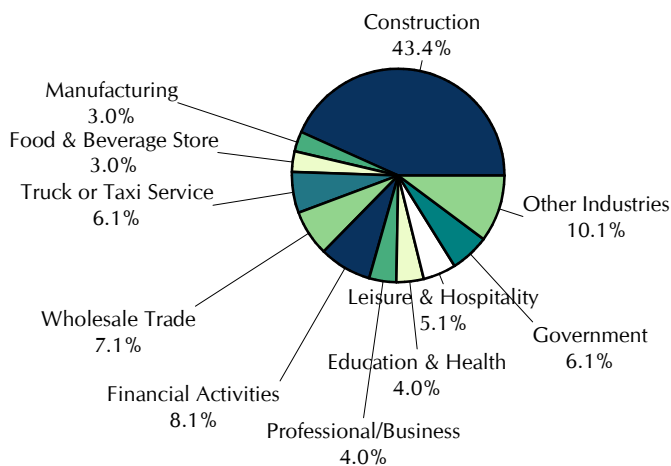
* Beginning in 2003, coding for industries was changed from Standard Industrial Classification (SIC) to North American Industry Classification System (NAICS). See Technical Notes: Fatal Occupational Injuries. Data reported in Table 11 and Figures 9 and 10 include all fatal occupational injuries occurring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



**Figure 9. Fatal Occupational Injuries by Sex
New York City, 1997-2006**

Fatal occupational injuries fluctuated but have remained close to 100 deaths per year over the past six years. Males have a much higher rate of fatal injuries than females, accounting for greater than 90% of overall occupational injury deaths during the past five years.

World Trade Center (WTC) disaster 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, 2006**

In 2006, 43.4% of all fatal occupational injuries in New York City occurred in the construction industry. In 2005 there were 23 construction industry deaths compared to 43 in 2006, a 26.1% increase. Most of the increase was due to an increase in falls, from 12 to 24. 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 2006 were Financial Activities with 8.1% of occupational deaths, Wholesale Trade with 7.1%, Truck or Taxi Service and Government each with 6.1%, and Leisure and Hospitality with 5.1%.

Table 12.

**Deaths by Decedent Birthplace and Borough of Residence
New York City, 2006**

Birthplace*	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total	55,391	10,011	9,014	15,897	12,989	3,456	3,757	267
Bangladesh	80	2	9	14	51	-	4	-
China	1,401	479	18	405	428	29	41	1
Colombia	240	27	10	17	171	5	10	-
Cuba	412	132	88	48	114	12	18	-
Dominican Republic	1,285	497	375	185	181	5	38	4
Ecuador	318	40	64	42	142	3	27	-
El Salvador	93	7	8	18	41	3	15	1
Germany	479	150	45	64	176	12	32	-
Guyana	628	14	60	271	264	1	17	1
Haiti	609	40	11	366	149	4	36	3
Honduras	131	14	50	39	24	3	1	-
India	232	9	13	20	129	13	48	-
Ireland	345	47	92	41	97	24	43	1
Israel	86	16	3	35	19	3	10	-
Italy	1,286	60	168	396	401	178	81	2
Jamaica	1,014	60	284	398	213	6	51	2
Korea	282	13	17	18	201	10	22	1
Mexico	191	38	35	50	40	12	15	1
Pakistan	68	1	4	23	29	2	9	-
Philippines	182	25	14	19	79	21	24	-
Poland	944	139	85	431	216	26	45	2
Puerto Rico	4,131	900	1,663	1,045	328	97	87	11
Russia	661	67	41	373	140	16	23	1
Trinidad and Tobago	474	31	38	292	89	2	21	1
Ukraine	877	52	24	670	94	23	14	-
United States	32,569	6,055	4,972	8,576	7,440	2,772	2,691	63
Other	4,894	744	445	1,764	1,478	140	318	5
Not Stated	1,479	352	378	277	255	34	16	167

* Beginning in 2006, U.S. Virgin Islands and Guam are included in United States, a change from 1996-2005 when those two birthplaces were included in the "Other" category.

Table 13.

**Deaths by Decedent Birthplace and Age
New York City, 2006**

Birthplace*	Total	Age								
		<15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	55,391	976	610	1,005	2,332	4,862	6,983	9,059	13,862	15,702
Bangladesh	80	-	3	5	6	22	20	15	7	2
China	1,401	1	6	19	31	73	129	258	465	419
Colombia	240	-	3	3	12	23	35	39	52	73
Cuba	412	-	-	1	4	17	29	76	133	152
Dominican Republic	1,285	-	24	21	82	180	193	256	280	249
Ecuador	318	2	7	20	20	35	44	56	79	55
El Salvador	93	-	5	8	17	13	16	12	11	11
Germany	479	-	1	2	1	6	36	38	136	259
Guyana	628	2	6	12	32	71	102	133	169	101
Haiti	609	-	1	2	20	70	105	122	156	133
Honduras	131	-	3	6	8	21	23	23	37	10
India	232	1	-	4	13	36	56	51	42	29
Ireland	345	-	2	-	4	11	25	60	91	152
Israel	86	2	3	3	2	11	25	17	15	8
Italy	1,286	-	-	1	10	21	69	226	342	617
Jamaica	1,014	1	11	26	70	101	151	196	220	238
Korea	282	-	-	7	7	26	43	52	75	72
Mexico	191	1	14	45	37	27	17	19	18	13
Pakistan	68	1	1	2	7	19	15	11	7	5
Philippines	182	-	-	2	7	14	37	54	36	32
Poland	944	-	2	3	15	54	64	69	207	530
Puerto Rico	4,131	3	13	24	132	313	764	990	1,071	821
Russia	661	-	3	7	11	36	58	82	169	295
Trinidad and Tobago	474	3	8	9	35	68	98	96	90	67
Ukraine	877	2	4	8	7	28	53	125	351	299
United States	32,569	945	455	642	1,438	2,920	3,986	4,957	8,005	9,221
Other	4,894	6	33	95	198	406	532	735	1,272	1,617
Not Stated	1,479	6	2	28	106	240	258	291	326	222

* Beginning in 2006, U.S. Virgin Islands and Guam are included in United States, a change from 1996-2005 when those two birthplaces were included in the "Other" category.

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 2006

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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,195	12	11	5	10	6	3	20	8	53	12	91	16	102	34	106	41	114	43	89	53	158	208
Motor vehicle except injury to pedal cyclist																							
Injury to pedestrian	195*	1	1	3	4	2	-	3	1	6	5	10	4	12	5	14	10	11	13	21	15	23	31
Injury to occupant	51	-	-	-	-	-	-	1	-	10	2	15	1	9	2	2	-	3	-	3	-	2	1
Other motor vehicle accidents	128	-	-	-	2	1	-	6	4	16	3	22	2	17	5	11	1	11	3	10	2	9	3
Pedal cyclist injured in transport accidents																							
Collision with motor vehicle	10	-	-	-	-	1	-	-	-	2	-	2	-	1	1	-	-	2	-	-	1	-	-
Other pedal cyclist accidents	13*	-	-	-	-	1	-	1	-	2	-	2	-	2	1	1	-	3	-	-	-	-	-
Railway (includes subway)	11	-	-	-	-	-	-	-	2	1	-	-	-	1	-	1	1	3	1	-	-	1	-
Other land transport accidents	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Water transport accidents	3	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Air and space transport accidents	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Other transport accidents	15	-	-	-	-	-	-	-	-	-	-	1	-	5	-	2	-	2	-	2	1	2	-
Fall	434	-	-	-	-	-	1	2	-	7	-	11	1	17	2	33	7	49	12	33	21	103	135
Firearm discharge	2	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-
Drowning and submersion	17	-	1	-	-	1	-	2	-	2	-	-	-	3	3	-	1	-	1	-	2	1	-
Smoke, fire and flames	58	-	2	1	2	-	-	1	-	3	-	4	-	2	5	-	3	7	4	7	2	3	12
Poisoning by psychoactive substances	76	-	-	-	-	-	-	-	1	-	-	4	7	17	8	16	13	6	2	1	1	-	-
Poisoning by other noxious substances	11	-	-	-	-	-	-	-	-	1	1	2	1	-	-	2	-	1	1	-	-	2	-
Exposure to excessive natural heat	49	-	-	-	-	-	-	-	-	-	-	2	-	5	1	8	1	6	2	6	5	2	11
Exposure to excessive natural cold	9	-	-	-	-	-	-	-	-	-	-	1	-	1	-	2	-	2	1	-	-	1	1
Other nontransport accidents	110	11	7	1	2	-	2	3	-	2	1	12	-	8	1	13	4	8	3	6	3	9	14

* After the 2006 Annual Summary's initial publishing, a cause-of-death coding error was discovered for one decedent. As a result of this correction, injury to pedestrian decreased from 196 to 195 and other pedal cyclist accidents increased from 12 to 13, respectively, compared to paper version of 2006 Annual Summary.

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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	459	-	-	-	-	1	1	8	6	24	4	63	19	64	18	84	33	49	15	21	9	30	10
Poisoning by noxious substances	81	-	-	-	-	-	-	-	1	4	4	6	5	11	1	14	11	9	5	4	2	2	2
Hanging, strangulation and suffocation	157	-	-	-	-	-	-	2	2	8	-	22	7	23	9	31	6	17	3	4	2	17	4
Drowning and submersion	15	-	-	-	-	1	-	2	-	-	-	2	1	-	1	2	1	3	1	1	-	-	-
Firearm discharge	58	-	-	-	-	-	-	1	1	5	-	12	1	10	2	9	1	5	-	6	-	5	-
Sharp or blunt object	11	-	-	-	-	-	-	-	-	-	-	1	-	2	-	5	1	2	-	-	-	-	-
Jumping from high place	101	-	-	-	-	-	1	1	2	7	-	16	4	11	3	14	10	9	6	3	4	6	4
Jumping or lying before moving object	29	-	-	-	-	-	-	2	-	-	-	4	1	6	1	7	2	4	-	2	-	-	-
Sequelae (Late effects)	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
Other and unspecified means	5	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	1	1	-	-

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES BY AGE AND SEX, NEW YORK CITY, 2006 (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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	630	7	17	2	4	2	2	62	7	128	6	156	18	78	18	48	16	25	4	13	7	6	4
Poisoning by noxious substances	2	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Hanging, strangulation and suffocation	36	-	2	1	1	-	-	-	1	1	2	4	7	1	1	1	5	3	-	1	2	1	2
Drowning and submersion	4	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Firearm discharge	365	2	1	-	1	1	1	41	5	106	1	118	7	43	3	19	2	7	2	4	1	-	-
Smoke, fire and flames	6	1	1	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	1	-
Sharp or blunt object	119	-	2	-	-	1	-	15	1	14	2	21	4	14	10	13	7	4	2	3	2	2	2
Pushing from high place	2	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Bodily force	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Neglect, abandonment & other maltreatment	5	1	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sequelae (Late effects)	15	-	-	1	1	-	-	1	-	-	-	1	-	4	1	2	1	3	-	-	-	-	-
Other and unspecified means	69	2	4	-	-	-	1	3	-	7	1	9	-	14	2	10	-	8	-	5	1	2	-
Legal intervention, all*	6	-	-	-	-	-	-	2	-	-	-	3	-	-	-	-	-	-	-	-	1	-	-

* All 6 Legal intervention deaths are from firearm discharge. See Technical Notes: External Causes of Death - Homicide.

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+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	263	26	21	-	-	-	-	1	2	7	3	21	4	27	11	34	22	28	10	19	6	11	10
Poisoning by noxious substances	31	-	-	-	-	-	-	-	-	1	1	1	-	5	5	5	8	1	2	-	1	-	1
Hanging, strangulation and suffocation	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Drowning and submersion	14	-	-	-	-	-	-	-	-	1	-	1	-	2	2	2	-	2	1	-	-	2	1
Firearm discharge	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Smoke, fire and flames	5	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	2	-	1	-	-	-
Falling from high place	12	-	-	-	-	-	-	1	1	1	1	3	-	2	-	-	-	2	-	-	1	-	-
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Other and unspecified means	198	26	21	-	-	-	-	-	1	4	1	15	3	16	4	26	14	21	7	18	4	9	8

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+	
		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	25	-	-	-	-	1	-	1	1	1	-	-	-	-	1	2	1	1	2	3	6	1	4

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+	
		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)	432	2	1	-	1	1	1	44	6	112	1	135	8	53	5	28	3	12	2	10	2	5	-

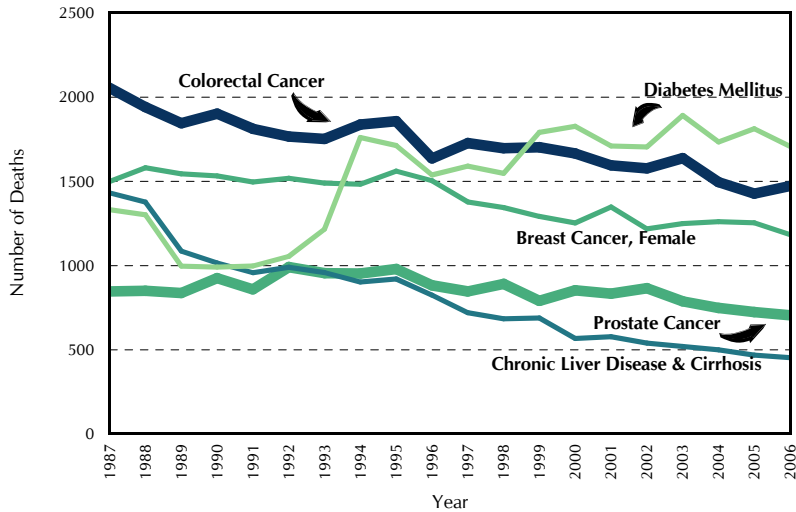


Figure 11. Number of Deaths from Selected Natural Causes New York City, 1987-2006

Figure 11 displays trends in selected natural causes of death. Except for diabetes mellitus, deaths due to these selected causes have decreased over the past two decades. The number of colorectal cancer deaths declined in the past two decades by 24%, from 1,941 to 1,473. Approximately 1500 women died from breast cancer annually between 1987 and 1996. Since then breast cancer deaths have decreased to 1,184 in 2006. Prostate cancer deaths peaked in 1992 with 991 deaths and then declined to 705 in 2006. Over the last two decades, the number of chronic liver disease and cirrhosis deaths has declined steadily, with 454 deaths in 2006. After a surge in the early 1990s, death due to diabetes mellitus remained 1,700 to 1,900 deaths per year since 2000, with 1,708 deaths in 2006.

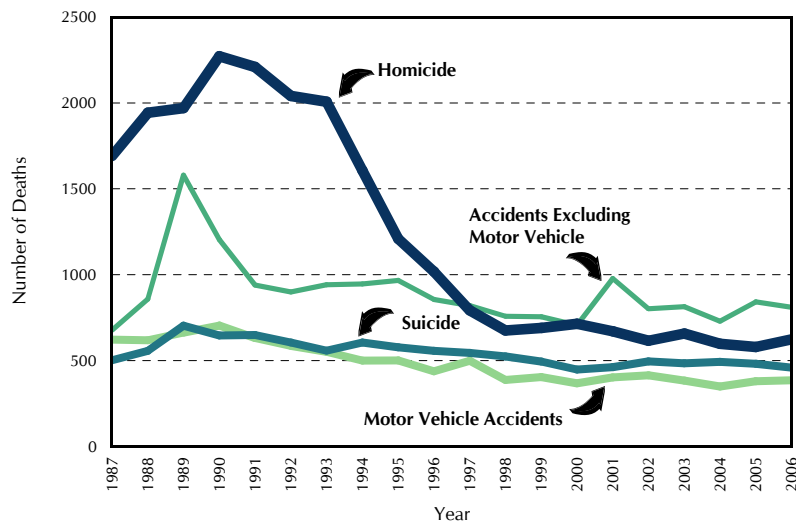


Figure 12. Number of Deaths from Selected External Causes New York City, 1987-2006

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 624 in 2006. Suicide deaths have declined approximately 19% over the past two decades from 557 in 1987 to 459 in 2006; suicides peaked in 1989 with 703 deaths. Motor vehicle accidents deaths declined over 45%, from 704 in 1990 to 385 in 2006. 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 disaster deaths are homicides and not included in this graph for the year 2001. See Special Sections in the 2002 and 2005 Summary of Vital Statistics and Technical Notes for detailed information on WTC disaster deaths.

Table 20.

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

AGE GROUP/ETHNIC GROUP		ALL													
		1983-1996	1997	1998	1999	2000	2001	2002**	2003	2004	2005	2006	1983-1996	1997	1998
ALL AGES	Total	57,836	2,625	1,978	2,020	1,961	1,774	1,713	1,656	1,451	1,419	1,209	45,679	1,850	1,358
	Puerto Rican	10,509	571	381	404	413	369	359	323	300	289	220	7,914	401	253
	Other Hispanic	5,310	187	150	137	166	121	144	167	113	129	111	4,429	154	114
	Asian & Pacific Islander	376	20	12	13	13	8	14	8	6	7	10	338	16	10
	Non-Hispanic White	16,004	466	363	341	303	298	274	245	192	196	178	14,229	369	285
	Non-Hispanic Black	22,358	1,331	1,013	1,032	1,008	911	872	846	793	769	660	16,123	874	651
Other or Unknown	3,279	50	59	93	58	67	50	67	47	29	30	2,646	36	45	
UNDER 1	Total	300	5	2	1	3	1	1	1	-	-	-	152	2	1
	Puerto Rican	42	-	-	-	-	-	-	-	-	-	-	24	-	-
	Other Hispanic	28	-	-	-	-	1	1	-	-	-	-	15	-	-
	Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	-	1	-	-
	Non-Hispanic White	47	-	1	-	-	-	-	-	-	-	-	30	-	1
	Non-Hispanic Black	163	5	1	1	3	-	-	1	-	-	-	74	2	-
Other or Unknown	19	-	-	-	-	-	-	-	-	-	-	8	-	-	
1-14	Total	855	36	15	18	7	6	5	9	6	4	1	436	20	7
	Puerto Rican	155	8	3	-	1	-	-	-	1	2	-	81	5	2
	Other Hispanic	91	3	-	3	-	-	2	1	1	1	1	48	2	-
	Asian & Pacific Islander	6	-	-	-	-	-	-	-	-	-	-	3	-	-
	Non-Hispanic White	140	3	3	4	2	1	-	1	-	-	-	74	2	1
	Non-Hispanic Black	419	21	9	11	3	5	3	7	4	1	-	212	10	4
Other or Unknown	44	1	-	-	1	-	-	-	-	-	-	18	1	-	
15-24	Total	913	23	20	21	22	24	20	18	15	22	22	571	12	8
	Puerto Rican	212	5	2	2	2	3	6	1	2	4	1	126	3	-
	Other Hispanic	109	2	1	1	2	2	3	4	-	2	5	79	2	1
	Asian & Pacific Islander	6	-	-	-	-	-	-	1	-	-	-	4	-	-
	Non-Hispanic White	146	2	2	1	1	1	2	-	1	1	1	99	2	1
	Non-Hispanic Black	379	13	13	17	17	18	9	12	11	15	13	227	5	5
Other or Unknown	61	1	2	-	-	-	-	-	1	-	2	36	-	1	
25-34	Total	15,174	434	314	252	233	194	140	123	90	92	63	11,187	277	183
	Puerto Rican	3,171	95	55	56	55	31	24	20	12	12	4	2,262	61	29
	Other Hispanic	1,611	38	31	23	29	20	15	15	8	12	6	1,296	28	19
	Asian & Pacific Islander	79	5	2	2	1	1	1	-	1	-	-	68	5	1
	Non-Hispanic White	3,812	78	52	32	21	17	13	10	12	7	9	3,212	56	38
	Non-Hispanic Black	5,653	210	166	132	120	117	83	75	56	59	44	3,705	122	90
Other or Unknown	848	8	8	7	7	8	4	3	1	2	-	644	5	6	
35-44	Total	25,245	1,099	778	767	695	638	624	568	467	407	343	20,213	754	498
	Puerto Rican	4,422	253	151	167	152	142	131	114	101	71	65	3,422	175	100
	Other Hispanic	2,114	79	69	58	60	40	62	60	33	48	41	1,799	63	52
	Asian & Pacific Islander	156	7	3	3	6	4	4	3	2	3	4	146	6	3
	Non-Hispanic White	7,193	216	160	152	121	118	101	85	71	45	45	6,441	165	118
	Non-Hispanic Black	9,951	527	375	353	339	309	312	281	250	224	182	7,262	336	211
Other or Unknown	1,409	17	20	34	17	25	14	25	10	16	6	1,143	9	14	
45-54	Total	11,068	734	595	669	706	629	641	640	594	586	502	9,452	549	461
	Puerto Rican	1,911	156	119	133	140	133	125	127	127	140	99	1,529	120	83
	Other Hispanic	934	45	33	29	55	32	41	58	45	49	40	822	42	28
	Asian & Pacific Islander	90	4	4	2	3	1	6	4	2	3	3	84	3	4
	Non-Hispanic White	3,303	127	112	111	117	109	116	103	73	93	76	3,106	107	99
	Non-Hispanic Black	4,177	385	307	357	367	329	327	322	322	294	272	3,331	262	230
Other or Unknown	653	17	20	37	24	25	26	26	25	7	12	580	15	17	
55 & OVER	Total	4,281	294	254	292	295	282	282	296	279	308	278	3,668	236	200
	Puerto Rican	596	54	51	46	63	60	73	61	57	60	51	470	37	39
	Other Hispanic	423	20	16	23	20	26	20	29	26	17	18	370	17	14
	Asian & Pacific Islander	38	4	3	6	3	2	3	-	1	1	3	32	2	2
	Non-Hispanic White	1,363	40	33	41	41	52	42	46	35	50	47	1,267	37	27
	Non-Hispanic Black	1,616	170	142	161	159	133	138	148	150	176	149	1,312	137	111
Other or Unknown	245	6	9	15	9	9	6	12	10	4	10	217	6	7	

Note: In 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 or 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, 1983-2006

MALE								FEMALE										
1999	2000	2001	2002	2003	2004	2005	2006	1983-1996	1997	1998	1999	2000	2001	2002**	2003	2004	2005	2006
1,372	1,333	1,166	1,138	1,100	943	949	818	12,157	775	620	648	628	608	575	556	508	470	391
265	285	240	239	213	204	206	163	2,595	170	128	139	128	129	120	110	96	83	57
98	123	95	104	113	79	100	78	881	33	36	39	43	26	40	54	34	29	33
11	11	7	11	8	5	6	8	38	4	2	2	2	1	3	-	1	1	2
247	236	219	207	181	146	143	139	1,775	97	78	94	67	79	67	64	46	53	39
674	629	552	538	536	481	475	407	6,235	457	362	358	379	359	334	310	312	294	253
77	49	53	39	49	28	19	23	633	14	14	16	9	14	11	18	19	10	7
1	1	1	-	-	-	-	-	148	3	1	-	2	-	1	1	-	-	-
-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-
-	-	1	-	-	-	-	-	13	-	-	-	-	-	1	-	-	-	-
-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-
1	1	-	-	-	-	-	-	89	3	1	-	2	-	-	1	-	-	-
-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
10	3	2	3	3	4	2	-	419	16	8	8	4	4	2	6	2	2	1
-	-	-	-	-	-	1	-	74	3	1	-	1	-	-	1	1	-	-
2	-	-	2	-	-	-	-	43	1	-	1	-	-	-	1	1	1	1
-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
2	2	1	-	1	-	-	-	66	1	2	2	-	-	-	-	-	-	-
6	1	1	1	2	4	1	-	207	11	5	5	2	4	2	5	-	-	-
-	-	-	-	-	-	-	-	26	-	-	-	1	-	-	-	-	-	-
7	8	9	11	7	8	14	12	342	11	12	14	14	15	9	11	7	8	10
-	1	-	3	1	1	4	1	86	2	2	2	1	3	3	-	1	-	-
-	-	1	2	2	-	2	3	30	-	-	1	2	1	1	2	-	-	2
-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
-	-	-	2	-	1	1	-	47	-	1	1	1	1	-	-	-	-	1
7	7	8	4	3	5	7	7	152	8	8	10	10	10	5	9	6	8	6
-	-	-	-	-	1	-	1	25	1	1	-	-	-	-	-	-	-	1
151	133	102	72	76	45	59	41	3,987	157	131	101	100	92	68	47	45	33	22
34	30	15	10	12	5	6	2	909	34	26	22	25	16	14	8	7	6	2
15	23	17	10	12	6	9	4	315	10	12	8	6	3	5	3	2	3	2
1	-	1	1	-	1	-	-	11	-	1	1	1	-	-	-	-	-	-
20	13	8	8	8	9	5	6	600	22	14	12	8	9	5	2	3	2	3
76	62	58	41	43	23	38	29	1,948	88	76	56	58	59	42	32	33	21	15
5	5	3	2	1	1	1	-	204	3	2	2	2	5	2	2	-	1	-
489	456	387	383	330	280	241	211	5,032	345	280	278	239	251	241	238	187	166	132
103	103	84	83	65	65	46	47	1,000	78	51	64	49	58	48	49	36	25	18
42	40	27	41	32	23	32	28	315	16	17	16	20	13	21	28	10	16	13
3	6	4	3	3	1	3	3	10	1	-	-	-	-	1	-	1	-	1
104	95	80	67	55	53	31	28	752	51	42	48	26	38	34	30	18	14	17
209	198	171	179	156	134	120	100	2,689	191	164	144	141	138	133	125	116	104	82
28	14	21	10	19	4	9	5	266	8	6	6	3	4	4	6	6	7	1
474	499	443	455	451	395	400	342	1,616	185	134	195	207	186	186	189	199	186	160
88	102	98	86	91	91	101	74	382	36	36	45	38	35	39	36	36	39	25
22	44	27	32	45	31	43	29	112	3	5	7	11	5	9	13	14	6	11
2	3	-	6	4	2	2	2	6	1	-	-	-	1	-	-	-	1	1
82	94	86	93	77	53	69	65	197	20	13	29	23	23	23	26	20	24	11
250	234	211	215	216	203	180	164	846	123	77	107	133	118	112	106	119	114	108
30	22	21	23	18	15	5	8	73	2	3	7	2	4	3	8	10	2	4
240	233	222	214	232	211	233	212	613	58	54	52	62	60	68	64	68	75	66
40	49	43	57	44	42	48	39	126	17	12	6	14	17	16	17	15	12	12
17	16	22	17	22	19	14	14	53	3	2	6	4	4	3	7	7	3	4
5	2	2	1	-	1	1	3	6	2	1	1	1	-	2	-	-	-	-
39	32	44	37	40	30	37	40	96	3	6	2	9	8	5	6	5	13	7
125	126	103	98	116	112	129	107	304	33	31	36	33	30	40	32	38	47	42
14	8	8	4	10	7	4	9	28	-	2	1	1	1	2	2	3	-	1

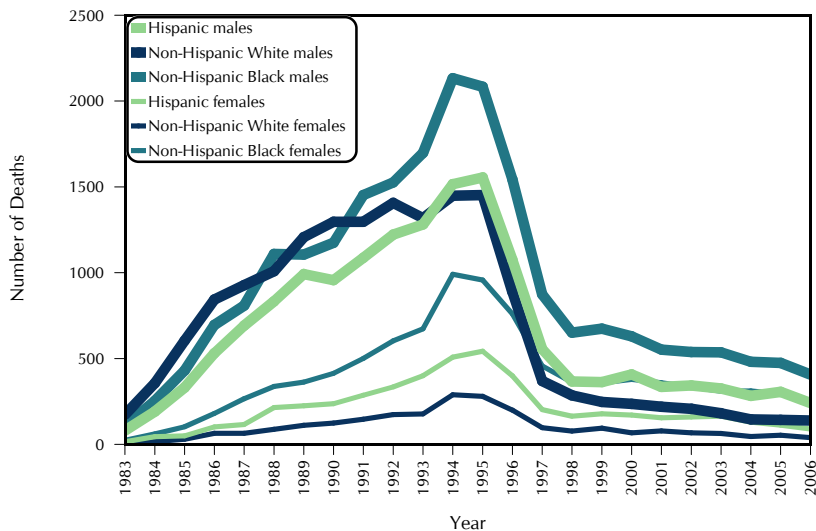


Figure 13. Deaths Due to HIV Disease by Sex and Selected Ethnic Group New York City, 1983-2006

The number of deaths due to HIV disease decreased 14.8%, from 1,419 in 2005 to 1,209 in 2006. It is lower than the 1985 level for AIDS alone at 1,663, which peaked at 7,102 in 1994. The number of HIV disease deaths declined for both males and females from 2005 to 2006. HIV disease deaths also decreased among all selected ethnic group from 2005 to 2006. The biggest decline was among Non-Hispanic white females, from 53 to 39, a 26% drop. The decline was also substantial among Hispanic males, from 306 to 241, a 21% decrease. Non-Hispanic black males experienced a 14% decrease, from 475 to 407. Finally, HIV disease deaths decreased slightly for Non-Hispanic white males, from 143 to 139.

The effect of the change from ICD-9 to ICD-10, implemented in 1999, can be determined by using the comparability ratio 1.08.

See Technical Notes: HIV and AIDS Mortality.

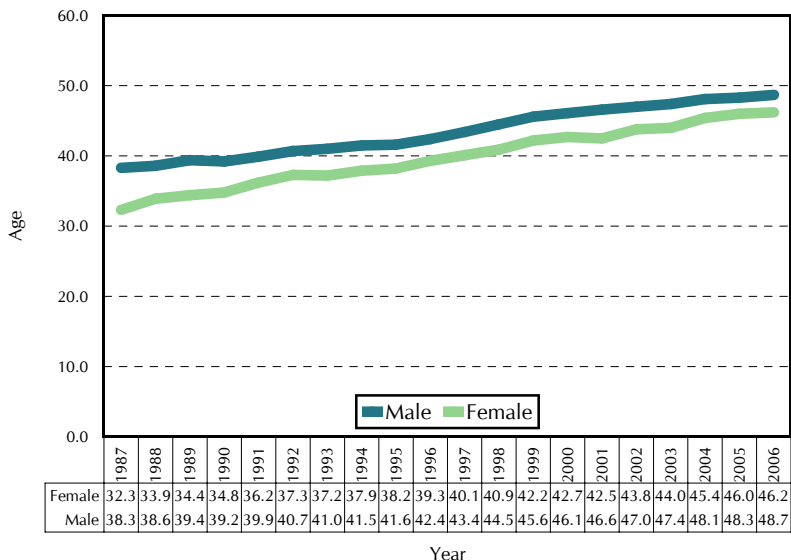


Figure 14. Mean Age at Death, HIV Disease Deaths by Sex New York City, 1987-2006

The mean age at death for men who died of HIV disease was 48.7 in 2006, an increase of more than 10 years from 1987. The mean age at death for women increased 13.9 years from 1987 to 2006. 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 in the mean age at death over the past 20 years was steeper for women who died of HIV disease, they lived 2.5 fewer years than their male counterparts in 2006. Among those who died of HIV disease, men lived an average of 18.8 fewer years and women lived an average of 29.1 fewer years compared with overall deaths in New York City in 2006.

Table 21.

Characteristics of Decedents with Selected Causes of Death, New York City, 2006

Cause of Death	Total	Ethnic Group*										Sex, Marital Status, and Age									
		Puerto Rican		Other Hispanic		Asian and Pacific Islander		Non-Hispanic White		Non-Hispanic Black		Other or Unknown		Male		Never Married		Age Under 20		Age 65 or Over	
		No.	Row%	No.	Row%	No.	Row%	No.	Row%	No.	Row%	No.	Row%	No.	%	No.	%	No.	%	No.	%
All Causes.	55,391	4,905	8.9	3,957	7.1	2,729	4.9	28,451	51.4	14,478	26.1	871	1.6	26,965	48.7	12,720	23.0	1,193	2.2	38,623	69.7
HIV Disease.	1,209	220	18.2	111	9.2	10	0.8	178	14.7	660	54.6	30	2.5	818	67.7	765	63.3	10	0.8	66	5.5
Cancer of Colon, Rectum and Anus.	1,473	133	9.0	98	6.7	85	5.8	755	51.3	380	25.8	22	1.5	729	49.5	266	18.1	1	0.1	1,060	72.0
Cancer of Trachea, Bronchus and Lung, Male.	1,580	116	7.3	67	4.2	122	7.7	879	55.6	367	23.2	29	1.8	1,580	100.0	247	15.6	0	0.0	1,055	66.8
Cancer of Trachea, Bronchus and Lung, Female.	1,308	59	4.5	52	4.0	70	5.4	765	58.5	343	26.2	19	1.5	0	0.0	209	16.0	0	0.0	941	71.9
Cancer of Breast, Female.	1,184	89	7.5	93	7.9	48	4.1	598	50.5	340	28.7	16	1.4	0	0.0	245	20.7	1	0.1	638	53.9
Cancer of Prostate.	705	57	8.1	44	6.2	17	2.4	318	45.1	252	35.7	17	2.4	705	100.0	88	12.5	0	0.0	628	89.1
Chronic Liver Disease & Cirrhosis.	454	93	20.5	58	12.8	28	6.2	166	36.6	101	22.2	8	1.8	325	71.6	137	30.2	0	0.0	136	30.0
Mental & Behavior Disorders Due to Use of Alcohol	269	34	12.6	44	16.4	15	5.6	95	35.3	72	26.8	9	3.3	222	82.5	102	37.9	0	0.0	40	14.9
Use or Accidental Poisoning by Psychoactive Substance	979	152	15.5	93	9.5	9	0.9	382	39.0	320	32.7	23	2.3	731	74.7	532	54.3	8	0.8	20	2.0
Motor Vehicle Accidents.	385	37	9.6	53	13.8	26	6.8	160	41.6	100	26.0	9	2.3	263	68.3	178	46.2	30	7.8	121	31.4
Accidental Falls	434	28	6.5	45	10.4	36	8.3	255	58.8	63	14.5	7	1.6	255	58.8	96	22.1	3	0.7	292	67.3
Other Accidents, Excluding Accidental Poisoning.	300	17	5.7	45	15.0	12	4.0	124	41.3	96	32.0	6	2.0	194	64.7	149	49.7	41	13.7	93	31.0
Intentional Self-harm (Suicide).	459	34	7.4	64	13.9	46	10.0	233	50.8	72	15.7	10	2.2	344	74.9	220	47.9	16	3.5	70	15.3
Assault (Homicide)**.	624	67	10.7	105	16.8	16	2.6	70	11.2	350	56.1	16	2.6	522	83.7	461	73.9	101	16.2	29	4.6
Events of Undetermined Intent.	263	16	6.1	29	11.0	16	6.1	116	44.1	76	28.9	10	3.8	174	66.2	147	55.9	50	19.0	46	17.5
All Other Causes.	43,765	3,753	8.6	2,956	6.8	2,173	5.0	23,357	53.4	10,886	24.9	640	1.5	20,103	45.9	8,878	20.3	932	2.1	33,388	76.3

* Multiple races were introduced in January 2003 when New York City implemented a new death certificate form. 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 are listed 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, 1989-1991 and 1999-2001*

Exact Age In Years	All							
	1989-1991				1999-2001**			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	72.4	76.3	74.0	66.4	77.6	79.7	77.7	73.2
1	72.4	75.8	74.0	66.7	77.1	79.0	77.3	73.0
5	68.5	72.0	70.2	62.9	73.2	75.0	73.4	59.0
10	63.6	67.1	65.2	58.0	65.2	70.0	68.5	64.2
15	58.7	62.1	60.3	53.1	63.3	65.1	63.6	59.3
20	54.0	57.4	55.5	48.6	58.4	60.2	58.7	54.5
25	49.4	52.9	50.7	44.2	53.6	55.4	53.9	49.9
30	44.9	48.6	46.0	40.0	48.8	50.5	49.0	45.2
35	40.7	44.6	41.5	36.1	44.1	45.8	44.3	40.7
40	36.6	40.7	37.2	32.7	39.5	41.2	39.6	36.3
45	32.6	36.8	33.0	29.1	35.0	36.7	35.1	32.1
50	28.5	32.8	28.8	25.4	30.7	32.4	30.7	28.2
55	24.6	28.9	24.7	22.0	26.6	28.2	26.5	24.4
60	20.9	25.0	20.9	18.7	22.6	24.1	22.4	20.8
65	17.4	21.3	17.3	15.7	18.8	20.2	18.6	17.5
70	14.1	17.8	13.9	13.0	15.3	16.7	15.1	14.5
75	11.1	14.6	10.9	10.5	12.1	13.3	11.8	11.3
80	8.4	11.4	8.2	8.2	9.2	10.4	8.9	9.3
85	6.1	8.6	5.9	6.2	6.7	7.7	6.4	7.1
Exact Age In Years	Male							
	1989-1991				1999-2001**			
	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 In Years	Female							
	1989-1991				1999-2001**			
	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 life expectancy to smooth the outcome. Life expectancy figures for 1989-1991 are calculated by using same methodology as 1999-2001. See Technical Notes: Life Expectancy.

* Census population data, 1990 and 2000, are used to calculate 1989-1991 and 1999-2001 life expectancy, respectively. See Technical Notes: Population.

** 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.

Table 23.

Life Expectancy at Specified Ages by Sex, New York City, 1999-2005*

Exact age in years	Total						
	1999	2000	2001**	2002	2003	2004	2005
0	77.2	77.7	77.8	78.0	78.2	78.6	78.7
1	76.7	77.2	77.2	77.4	77.6	78.1	78.1
5	72.8	73.2	73.3	73.5	73.7	74.1	74.2
10	67.9	68.3	68.4	68.6	68.7	69.2	69.2
15	62.9	63.3	63.4	63.6	63.8	64.2	64.3
20	58.1	58.5	58.6	58.7	58.9	59.4	59.4
25	53.3	53.7	53.8	53.9	54.1	54.6	54.6
30	48.5	48.9	49.0	49.1	49.3	49.7	49.8
35	43.8	44.2	44.2	44.3	44.5	44.9	45.0
40	39.2	39.5	39.6	39.7	39.9	40.2	40.2
45	34.7	35.1	35.2	35.2	35.4	35.7	35.7
50	30.4	30.8	30.9	30.9	31.1	31.3	31.3
55	26.3	26.6	26.8	26.8	26.9	27.2	27.2
60	22.3	22.6	22.8	22.8	23.0	23.3	23.3
65	18.5	18.8	19.0	19.1	19.2	19.4	19.5
70	15.1	15.4	15.5	15.5	15.6	15.8	15.9
75	11.9	12.1	12.2	12.2	12.3	12.3	12.4
80	9.1	9.3	9.2	9.2	9.3	9.3	9.3
85	6.7	6.8	6.7	6.7	6.8	6.9	6.8

Exact age in years	Male						
	1999	2000	2001**	2002	2003	2004	2005
0	74.1	74.5	74.8	74.9	75.1	75.7	75.7
1	73.7	74.0	74.2	74.4	74.6	75.2	75.1
5	69.8	70.1	70.3	70.5	70.7	71.2	71.2
10	64.8	65.1	65.4	65.5	65.7	66.3	66.3
15	59.9	60.2	60.4	60.6	60.8	61.4	61.3
20	55.1	55.4	55.6	55.7	56.0	56.5	56.5
25	50.4	50.7	50.9	51.0	51.2	51.8	51.8
30	45.7	46.0	46.2	46.3	46.5	47.0	47.0
35	41.0	41.3	41.5	41.6	41.8	42.3	42.3
40	36.5	36.8	37.0	37.0	37.2	37.6	37.6
45	32.2	32.4	32.6	32.6	32.8	33.1	33.1
50	28.1	28.3	28.5	28.5	28.6	28.9	28.9
55	24.1	24.4	24.6	24.5	24.7	25.0	25.0
60	20.3	20.6	20.8	20.8	20.9	21.3	21.3
65	16.7	17.0	17.2	17.2	17.4	17.7	17.7
70	13.5	13.8	13.9	13.9	14.0	14.3	14.3
75	10.7	10.8	10.9	11.0	10.9	11.0	11.1
80	8.1	8.3	8.3	8.3	8.3	8.3	8.2
85	6.0	6.1	6.1	6.2	6.2	6.2	6.1

Exact age in years	Female						
	1999	2000	2001**	2002	2003	2004	2005
0	79.9	80.4	80.4	80.6	80.7	81.1	81.3
1	79.4	79.9	79.8	80.1	80.2	80.5	80.6
5	75.5	76.0	75.9	76.1	76.3	76.5	76.7
10	70.5	71.0	70.9	71.2	71.3	71.6	71.7
15	65.6	66.0	66.0	66.2	66.4	66.6	66.8
20	60.7	61.1	61.1	61.3	61.5	61.7	61.9
25	55.8	56.2	56.2	56.4	56.5	56.8	57.0
30	50.9	51.4	51.3	51.5	51.6	51.9	52.1
35	46.1	46.6	46.5	46.7	46.8	47.1	47.2
40	41.4	41.9	41.8	42.0	42.1	42.3	42.4
45	36.8	37.3	37.2	37.4	37.5	37.7	37.8
50	32.3	32.8	32.8	32.9	33.0	33.2	33.3
55	28.0	28.4	28.4	28.6	28.6	28.8	28.9
60	23.8	24.1	24.3	24.4	24.4	24.7	24.8
65	19.8	20.1	20.3	20.4	20.5	20.7	20.7
70	16.1	16.4	16.5	16.6	16.7	16.8	16.9
75	12.7	12.9	12.9	13.0	13.1	13.2	13.2
80	9.7	9.8	9.8	9.7	9.8	9.9	9.8
85	7.0	7.1	7.0	7.0	7.1	7.2	7.2

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. Life expectancy for year 2006 is not presented since national data are required and are not yet available.

* Census 2000 population data are used for all years. See Technical Notes: Population.

** Calculations exclude World Trade Center disaster deaths.

Table 24.

**Years of Potential Life Lost (YPLL) Before Age 75
By Sex and By Selected Causes of Death, New York City, 2006**

Cause of Death	Male		Female		All	
	YPLL	%	YPLL	%	YPLL	%
Total	309,945	100.0	197,322	100.0	507,267	100.0
Malignant neoplasms	55,637	18.0	58,059	29.4	113,696	22.4
Trachea, bronchus and lung	12,229	3.9	9,026	4.6	21,255	4.2
Breast	42	0.0	13,139	6.7	13,181	2.6
Colon, rectum and anus	5,559	1.8	5,127	2.6	10,686	2.1
Cervix uteri	-	0.0	2,231	1.1	2,231	0.4
Prostate	1,941	0.6	-	0.0	1,941	0.4
Diseases of heart	56,336	18.2	29,500	15.0	85,836	16.9
HIV disease	21,571	7.0	11,269	5.7	32,840	6.5
Use of or poisoning by psychoactive substance	22,164	7.2	7,727	3.9	29,891	5.9
Assault (Homicide)	22,593	7.3	4,389	2.2	26,982	5.3
Accidents except poisoning by psychoactive substance	17,055	5.5	5,714	2.9	22,769	4.5
Motor vehicle	7,907	2.6	2,704	1.4	10,611	2.1
Diabetes mellitus	7,932	2.6	5,496	2.8	13,428	2.6
Intentional self-harm (Suicide)	10,036	3.2	3,259	1.7	13,295	2.6
Cerebrovascular diseases	6,529	2.1	4,828	2.4	11,357	2.2
Influenza and pneumonia	5,238	1.7	4,188	2.1	9,426	1.9
Chronic liver disease and cirrhosis	5,721	1.8	1,830	0.9	7,551	1.5
Chronic lower respiratory diseases	3,723	1.2	3,754	1.9	7,477	1.5
Mental and behavioral disorders due to use of alcohol	4,765	1.5	894	0.5	5,659	1.1
All other causes	70,645	22.8	56,415	28.6	127,060	25.0

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: Years of Potential Life Lost for detailed calculation.

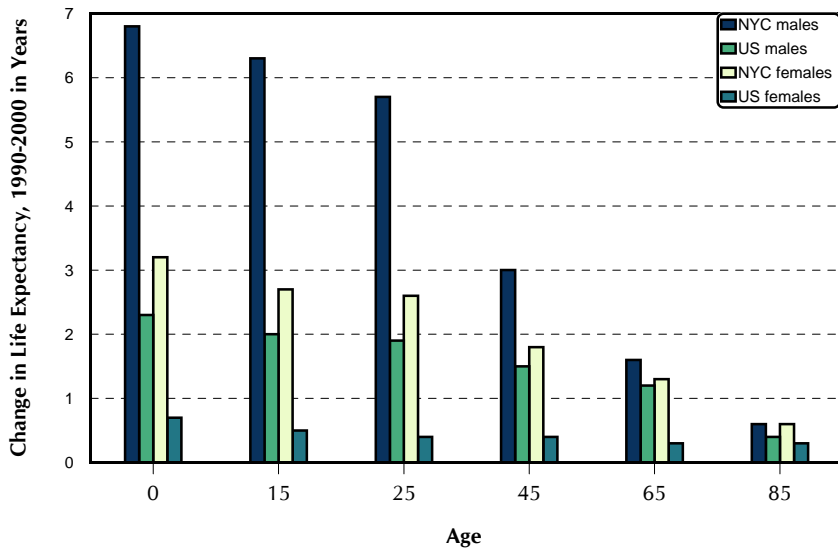


Figure 15. Changes in Life Expectancy at Selected Ages by Sex, 1990 and 2000
New York City and United States

In contrast to the prior decade, life expectancy for male New York City residents at birth aged 0 to 25 increased substantially between 1990 and 2000. The increases were 6.8, 6.3, and 5.7 years, respectively. Contributing factors include declines in infant mortality, HIV, cardiovascular diseases 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, although these differences were smaller than for younger ages. Nationwide, females had a small increase in life expectancy at all ages.

Note: Calculations exclude World Trade Center disaster deaths.

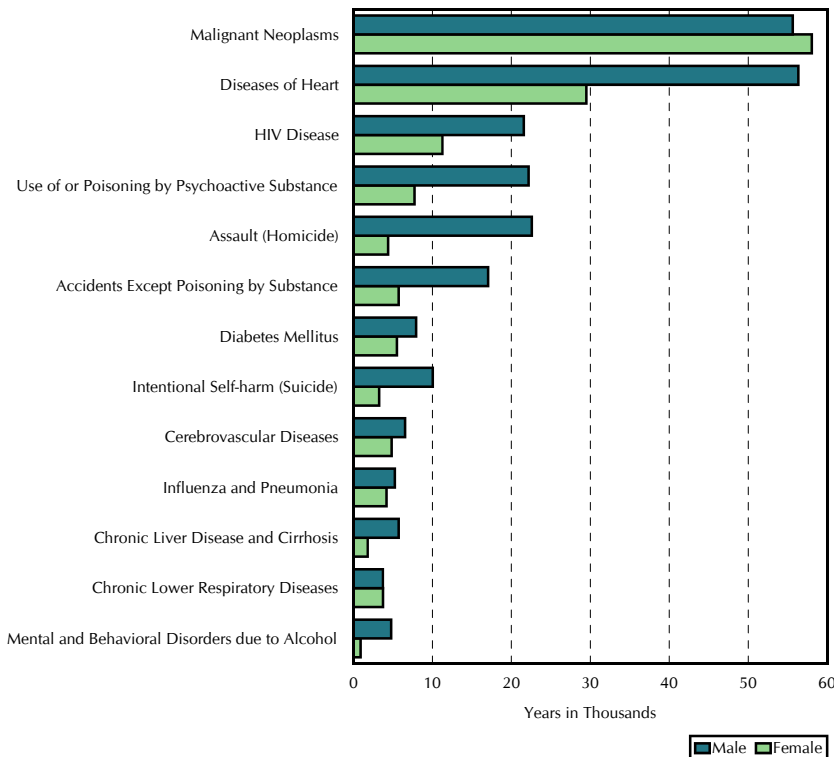


Figure 16. Years of Potential Life Lost (YPLL) Before Age 75 by Sex, Selected Causes
New York City, 2006

Malignant neoplasms (cancers) and diseases of the heart, the two leading causes of death, were responsible for approximately 40% of YPLL in NYC. Cancer, the second leading cause of death, was responsible for the greatest number of YPLL, 113,696 in 2006, while diseases of the heart, the first leading cause of death, accounted for 85,836 YPLL.

Cancer was responsible for similar numbers of YPLL in men and women. However, compared to women, men lost fewer years from reproductive cancers but more years from cancer of the trachea, bronchus, lung, colon, rectum and anus. Cancers of the trachea, bronchus, lung, breast, colon, rectum, anus and cervix uteri account for 42% of cancer YPLL.

For many of the most frequent causes of death, more than twice the number of YPLL were lost to men than women. Sixty-six percent of the 85,836 YPLL due to diseases of the heart were lost to men (56,336 YPLL) vs. 34% to women (29,500 YPLL). Sixty-six percent of YPLL to AIDS were lost to men vs. 34% to women; 74% of YPLL to use of or poisoning by psychoactive substance were lost to men vs. 26% to women; 84% of YPLL to assault (homicide) were lost to men vs. 16% to women; 75% of YPLL to accidents except poisoning by psychoactive substance (includes motor vehicle accidents) were lost to men vs. 25% to women; 75% of YPLL to intentional self-harm (suicide) were lost to men vs. 25% to women; 76% of YPLL to chronic liver disease and cirrhosis were lost to men vs. 24% to women; and 84% of YPLL to mental and behavioral disorders due to use of alcohol were lost to men vs. 16% to women.

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	1952-1955
Infant deaths (under 1 year)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882	4,021
Rate per 1,000 live births.	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5	24.6
Neonatal deaths (under 28 days)	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births.	**	**	37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early neonatal deaths (under 7 days)	**	**	**	**	**	**	**	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births.	**	**	**	**	**	**	**	20.5	18.5	17.7	16.4	16.6
Fetal deaths 28 weeks gestation & over.	**	**	**	**	**	**	**	2,589	2,709	2,902	2,441	2,310
Rate 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
Rate.	**	**	**	**	**	**	**	**	**	**	2.9	2.2
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
Rate.	**	**	**	**	**	**	**	**	**	**	21.9	22.2
Trachea, bronchus and lung, female (C33-C34)	**	**	**	**	**	**	**	**	**	**	220	179
Rate.	**	**	**	**	**	**	**	**	**	**	5.5	4.4
Colon, rectum and anus (C18-C21)	**	**	**	**	**	**	**	**	**	**	**	**
Rate.	**	**	**	**	**	**	**	**	**	**	1,429	1,476
Breast, female (C50)	**	**	**	**	**	**	**	**	**	**	35.9	36.4
Rate.	**	**	**	**	**	**	**	**	**	**	44.0	44.0
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) Codes following causes in parenthesis are the International Classification of Diseases, Tenth Revision.
 (2) Perinatal mortality ratio: see section titled "Rates and Ratios Defined" for 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, which began in 1999, HIV disease is coded B20-B24. See the Technical Notes: HIV and AIDS mortality.
 (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) disaster deaths are not included in 2001. See Special Section on WTC deaths in the 2002 Summary of Vital Statistics for detailed statistics.
 * Rates for intercensal years are not adjusted for intercensal population changes before 2000. 2001-2006 population data are from U.S. Census Bureau's annual estimates as of October 2007. See Technical Notes: Population.
 ** 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 were mistakenly labeled as "A34, O00-O96,O98-O99" in this Table. See Technical Notes: Maternal Death and Maternal Mortality.

Selected Causes, New York City, 1901-2006

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	2005	2006			
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	732	740			
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	6.0	5.9			
3,220	3,226	2,602	1,714	1,333	1,097	1,159	912	656	605	593	606	583	524	497	542	516	481	484			
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	3.9	3.9			
2,909	2,922	2,351	1,480	1,131	927	972	753	528	459	475	474	455	409	379	432	377	374	362			
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	3.0	2.9			
2,362	2,276	1,885	1,288	835	719	698	686	580	507	505	490	507	444	460	410	419	422	379			
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	3.4	3.0			
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	6.5	5.9			
**	**	**	**	**	**	**	**	**	**	**	**	26	34	43	32	29	29	26	34		
												21.0	27.1	34.7	26.0	23.3	23.4	21.2	27.1		
107	109	73	36	28	33	29	26	22	17	16	24	30	41	32	22	28	21	29			
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	17.1	23.1			
824	624	432	235	141	125	174	135	46	44	33	37	37	30	26	26	26	17	15	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	0.2	0.2			
52	43	39	32	22	35	55	34	21	11	19	12	7	3	4	8	5	4	3	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	0.0	0.0			
**	**	**	**	**	768 (5)	3,703	6,257	4,998	2,625	1,978	2,020	1,961	1,774	1,713	1,656	1,451	1,419	1,209	1.08		
					10.7	50.9	83.2	68.3	35.8	27.0	27.6	24.5	22.0	21.1	20.3	17.7	17.3	14.7			
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	13,366	13,116	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	173.9	169.5	169.8	166.4	162.7	159.7			
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	1,648	1,580	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	45.6	44.4	44.9	44.4	42.1	40.4			
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	1,335	1,308	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	33.6	33.2	33.6	31.0	31.0	30.4			
**	**	**	**	**	**	**	1,805	1,636	1,727	1,697	1,702	1,665	1,595	1,577	1,638	1,495	1,427	1,473	1.00		
							24.0	22.3	23.6	23.2	23.2	20.8	19.7	19.5	20.1	18.3	17.4	17.9			
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	1,254	1,184	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	31.8	28.6	29.2	29.4	29.1	27.5			
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	1,813	1,708	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	21.2	21.0	23.2	21.2	22.1	20.8			
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	25,592	24,760	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	339.3	340.9	331.4	314.1	311.6	301.4			
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	1,647	1,669	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	23.4	22.9	22.8	21.9	20.1	20.3			
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	2,921	2,578	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	31.0	30.9	33.1	36.7	35.6	31.4			
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	1,912	1,722			
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	26.2	25.8	24.7	25.1	23.3	21.0			
1,858	2,386	2,936	2,440	2,185	1,789	1,289	946	825	720	684	689	568	578	540	520	500	469	454	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	6.4	6.1	5.7	5.5			
573	509	447	372	381	383	816	311	296	378	413	882	853	800	711	635	592	531	468	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	9.9	8.8	7.8	7.2	6.5	5.7			
96	263	551	677	414	573	787	947	909	885	825	855	902	887	869	909	822	843	903			
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	11.0	10.7	11.2	10.1	10.3	11.0			
**	**	**	**	**		143	49	36	19	18	26	30	22	36	51	33	63	76			
					(6)	2.0	0.7	0.5	0.3	0.2	0.4	0.4	0.3	0.4	0.6	0.4	0.8	0.9			
655	714	887	834	606	477	624	554	438	499	387	404	368	402	414	384	349	380	385	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	5.1	4.7	4.3	4.6	4.7			
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	779	734			
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	11.8	9.4	9.4	8.5	9.5	8.9			
711	908	680	641	711	603	600	599	557	545	524	494	448	462	495	484	493	481	459	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	5.7	6.1	5.9	6.0	5.9	5.6			
366	592	992	1,663	1,700	1,763	1,902	1,815	1,018	793	675	690	714	670	616	657	598	579	624	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	8.3	7.6	8.1	7.3	7.0	7.6			
**	**	946	1,062	699	696	504	161	153	159	135	153	155	206	261	189	234	269	263			
		10.9	13.9	9.7	9.7	6.9	2.0	2.1	2.2	1.8	2.1	1.9	2.6	3.2	2.3	2.9	3.3	3.2			
**	**	**	**	**	**	**	84	77	74	82	132	211	172	230	249	242	269	246	1.58		
							1.2	1.1	1.0	1.1	1.8	2.6	2.1	2.8	3.1	3.0	3.3	3.0			
**	**	**	**	**	**	**	269	273	235	250	244	213	215	205	205	180	177	149	0.89		
							3.7	3.7	3.2	3.4	3.3	2.7	2.7	2.5	2.5	2.2	2.2	1.8			

Table 25a.

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 death, 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 disaster deaths are not included. See Technical Notes: World Trade Center Deaths.

Table 25b.

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

See Note

See Note

Cause of Death	1901-1903	1909-1911	1919-1920	1929-1931	1939-1941	1949-1951	1959-1961	1969-1971	1979-1981	1989-1991	1999-2001**
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 death, 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). The 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.

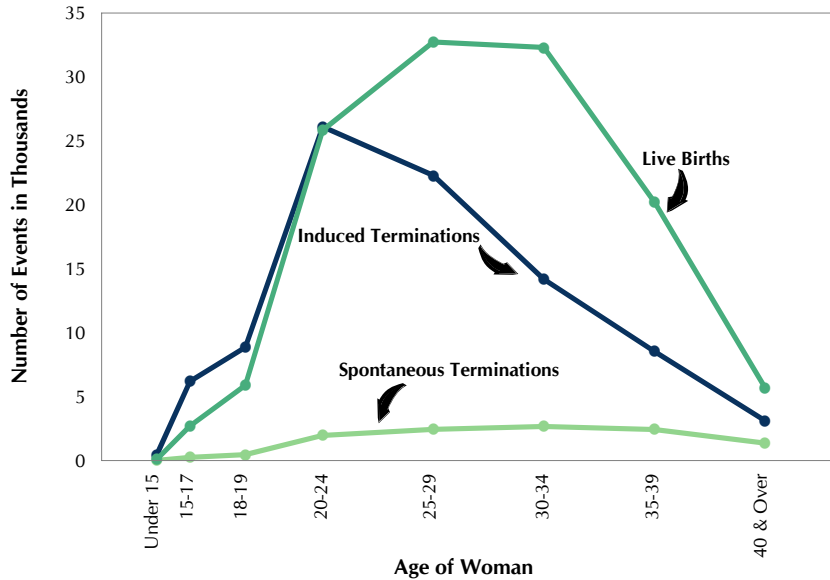


Figure 17. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman, New York City, 2006

Over 227,000 pregnancy outcomes were reported in New York City in 2006. Approximately 55% were live births, 40% were induced terminations, and 5% 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, more pregnancies end in induced termination than in a live birth or spontaneous termination. All induced and spontaneous terminations, regardless of gestational age or weight, are required to be reported. However, the number reported depends to some extent on active surveillance.

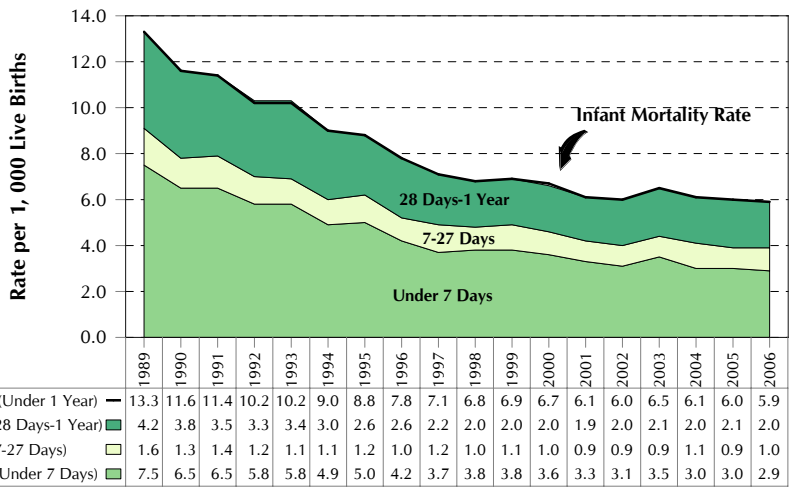


Figure 18. Infant, Neonatal and Post-neonatal Mortality Rates, New York City, 1989-2006

The New York City Infant Mortality Rate (IMR) decreased from 6.0 deaths per 1,000 live births in 2005 to 5.9 in 2006, reaching a new historic low. However, the IMR declined mainly because of an increase in the number of live births, not by a reduction in infant deaths; in fact, infant deaths increased from 732 in 2005 to 740 in 2006. The rate of death in the early neonatal period after birth (under seven days) was 2.9 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 1998. From 1989 to 2006, 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 38 percent. Note: See Table 53 and Figure 28 on the Perinatal Periods of Risk (PPOR) approach to understanding fetal-infant mortality (page 67).

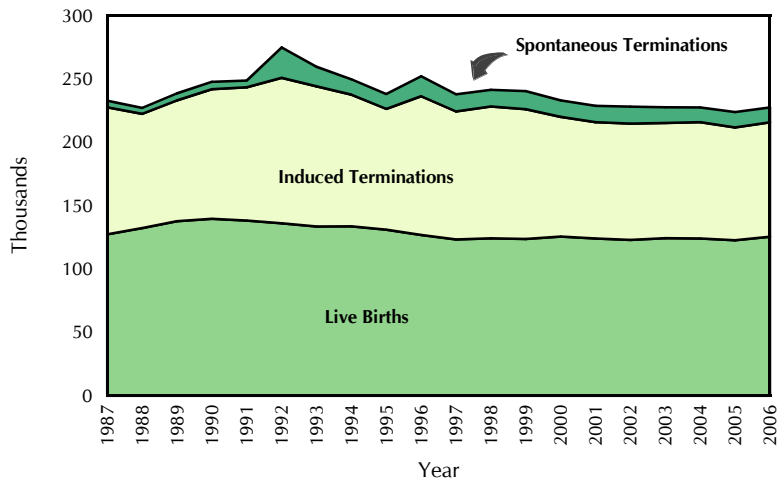


Figure 19. Number of Live Births, Induced Terminations and Spontaneous Terminations New York City, 1987-2006

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 that it peaked in 1992. The number of spontaneous terminations also peaked in 1992, and has declined since then.

All induced and spontaneous terminations, regardless of gestational age or weight, are required to be reported. However, the number reported depends to some extent on active surveillance.

See Technical Notes: Induced and Spontaneous Terminations of Pregnancy.

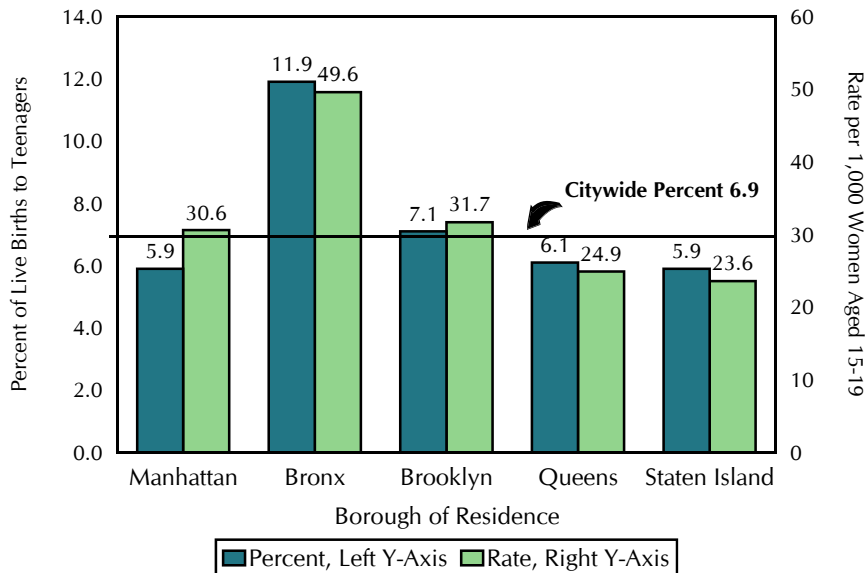


Figure 20. Percent and Rate* of Live Births to Teenagers by Borough of Residence New York City, 2004-2006

In 2004-2006, 11.9% of all live births in the Bronx were to teenagers (age under 20), the highest of the five boroughs of New York City. This was about two times higher than the percent of live births to teenagers in Manhattan, at 5.9%; Queens, at 6.1%; and Staten Island, at 5.9%. The percent of live births to teens in Brooklyn was 7.1% during this period. Citywide, the percent of all live births to teenagers was 6.9% in 2006, lower than the U.S. figure of 10.2% for 2005, the latest year for which data were available.

The birth rate to teenagers aged 15-19 had the same pattern, with Bronx having the highest rate, 49.6 per 1,000 women, and Staten Island having the lowest, 23.6 per 1,000 women. The citywide birth rate to mothers aged 15-19 was 33.4 per 1,000 women in 2004-2006.

* Population data are from 2000 Census. See Technical Notes: Population.

Table 26.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 2006**

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	227,405	589	9,167	15,206	53,911	57,481	49,156	31,194	10,196	505
Live Births	125,506	102	2,707	5,886	25,838	32,732	32,307	20,221	5,712	1
Spontaneous Terminations	11,742	15	260	462	1,968	2,446	2,666	2,435	1,365	125
Induced Terminations	90,157	472	6,200	8,858	26,105	22,303	14,183	8,538	3,119	379
MANHATTAN	34,197	66	1,263	2,082	6,796	7,377	8,506	6,007	2,026	74
Live Births	20,236	9	365	792	2,957	4,062	6,174	4,473	1,404	-
Spontaneous Terminations	1,677	2	31	54	185	278	431	442	232	22
Induced Terminations	12,284	55	867	1,236	3,654	3,037	1,901	1,092	390	52
BRONX	44,172	170	2,593	3,823	12,332	11,816	7,575	4,386	1,368	109
Live Births	21,274	29	886	1,599	5,744	5,929	4,151	2,302	634	-
Spontaneous Terminations	2,202	5	96	135	464	531	425	365	164	17
Induced Terminations	20,696	136	1,611	2,089	6,124	5,356	2,999	1,719	570	92
BROOKLYN	72,414	181	2,788	4,840	18,869	19,013	14,632	8,937	2,999	155
Live Births	40,096	41	823	1,945	9,862	11,158	9,213	5,500	1,554	-
Spontaneous Terminations	3,965	2	85	171	770	828	861	730	471	47
Induced Terminations	28,353	138	1,880	2,724	8,237	7,027	4,558	2,707	974	108
QUEENS	47,958	105	1,604	3,019	11,050	12,962	10,710	6,351	2,049	108
Live Births	27,488	18	483	1,182	5,584	7,951	7,222	3,983	1,065	-
Spontaneous Terminations	2,360	3	34	80	407	541	531	483	260	21
Induced Terminations	18,110	84	1,087	1,757	5,059	4,470	2,957	1,885	724	87
STATEN ISLAND	9,151	20	344	551	1,783	2,254	2,357	1,437	397	8
Live Births	5,806	5	104	239	903	1,537	1,787	1,011	220	-
Spontaneous Terminations	616	1	12	9	69	122	168	146	84	5
Induced Terminations	2,729	14	228	303	811	595	402	280	93	3
NON-RESIDENTS	19,185	46	557	865	2,995	3,981	5,310	4,042	1,348	41
Live Births	10,599	-	46	129	788	2,092	3,758	2,951	835	-
Spontaneous Terminations	912	2	2	13	72	142	248	268	154	11
Induced Terminations	7,674	44	509	723	2,135	1,747	1,304	823	359	30
RESIDENCE UNKNOWN	328	1	18	26	86	78	66	34	9	10
Live Births	7	-	-	-	-	3	2	1	-	1
Spontaneous Terminations	10	-	-	-	1	4	2	1	-	2
Induced Terminations	311	1	18	26	85	71	62	32	9	7

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, 2006**

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	11,742	15	260	462	1,968	2,446	2,666	2,435	1,365	125
Under 13	7,953	6	151	284	1,243	1,619	1,834	1,722	1,025	69
13-15	1,123	4	37	51	215	248	227	205	123	13
16-19	858	1	17	43	156	183	193	184	77	4
20-27	812	-	23	32	142	202	198	161	50	4
28 & Over	379	1	9	26	88	79	83	60	31	2
Not Stated	617	3	23	26	124	115	131	103	59	33

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

Table 27a.

**Selected Characteristics of Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Age of Woman, New York City, 2006**

	Total	Age of Woman								Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Spontaneous Terminations of Pregnancy, 28 Weeks & Over										
Total	379	1	9	26	88	79	83	60	31	2
Sex										
Male	174	–	5	10	43	32	36	32	15	1
Female	158	1	4	13	30	38	39	22	10	1
Undetermined	47	–	–	3	15	9	8	6	6	–
Weight at Delivery in Grams										
Under 500	29	–	–	1	9	6	7	3	3	–
500-999	32	–	2	3	8	7	6	3	3	–
1000-1499	39	–	4	3	12	9	5	5	1	–
1500-1999	47	1	1	5	14	7	5	12	2	–
2000-2499	55	–	–	3	6	17	19	7	2	1
2500 & Over	114	–	2	7	28	17	25	20	15	–
Not Stated	63	–	–	4	11	16	16	10	5	1

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

Table 27b.

**Selected Characteristics of Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Ethnic Group of Woman, New York City, 2006**

	Total	Ethnic Group of Woman						Not Stated
		Puerto Rican	Other Hispanic	Asian & Pacific Islander	Non-Hispanic White	Non-Hispanic Black	Other	
Spontaneous Terminations of Pregnancy, 28 Weeks & Over								
Total	379	31	92	42	85	126	–	3
Sex								
Male	174	15	39	20	43	56	–	1
Female	158	10	41	19	36	51	–	1
Undetermined	47	6	12	3	6	19	–	1
Weight at Delivery in Grams								
Under 500	29	1	6	3	3	16	–	–
500-999	32	2	9	4	2	14	–	1
1000-1499	39	2	12	3	9	12	–	1
1500-1999	47	5	12	6	12	12	–	–
2000-2499	55	4	13	5	16	17	–	–
2500 & Over	114	13	24	18	25	34	–	–
Not Stated	63	4	16	3	18	21	–	1

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, 2006**

Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Staten Island
NEW YORK CITY	216,042	80,618	30,161	54,324	44,458	6,481
Live Births	125,506	44,036	17,102	33,200	24,993	6,175
Spontaneous Terminations	379	114	60	112	76	17
Induced Terminations	90,157	36,468	12,999	21,012	19,389	289
MANHATTAN	32,572	30,087	1,258	693	520	14
Live Births	20,236	19,509	378	213	123	13
Spontaneous Terminations	52	50	1	-	1	-
Induced Terminations	12,284	10,528	879	480	396	1
BRONX	42,040	13,960	26,742	534	796	8
Live Births	21,274	5,153	15,782	155	176	8
Spontaneous Terminations	70	14	55	1	-	-
Induced Terminations	20,696	8,793	10,905	378	620	-
BROOKLYN	68,582	16,567	362	46,771	3,938	944
Live Births	40,096	7,932	98	29,857	1,273	936
Spontaneous Terminations	133	22	3	100	6	2
Induced Terminations	28,353	8,613	261	16,814	2,659	6
QUEENS	45,674	8,463	345	3,171	33,650	45
Live Births	27,488	5,051	108	1,718	20,568	43
Spontaneous Terminations	76	9	1	6	60	-
Induced Terminations	18,110	3,403	236	1,447	13,022	2
STATEN ISLAND	8,549	1,529	47	1,779	126	5,068
Live Births	5,806	316	7	662	37	4,784
Spontaneous Terminations	14	-	-	2	-	12
Induced Terminations	2,729	1,213	40	1,115	89	272
NON-RESIDENTS	18,307	9,922	1,369	1,298	5,316	402
Live Births	10,599	6,072	727	594	2,815	391
Spontaneous Terminations	34	19	-	3	9	3
Induced Terminations	7,674	3,831	642	701	2,492	8
RESIDENCE UNKNOWN	318	90	38	78	112	-
Live Births	7	3	2	1	1	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	311	87	36	77	111	-

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

Table 28a. Teen Births and Pregnancy Rates* by Ethnic Group and Borough of Residence, New York City, 2006

	Woman's Age	Live Births	Spontaneous Terminations	Induced Terminations	Population (Women)	Birth Rate per 1,000 Women	Pregnancy Rate per 1,000 Women
New York City **	15-17	2,707	260	6,200	150,207	18.0	61.0
	18-19	5,886	462	8,858	105,149	56.0	144.6
	Age 15-19	8,593	722	15,058	255,356	33.7	95.4
Ethnic Group							
Hispanic	15-17	1,627	137	2,386	49,334	33.0	84.1
	18-19	3,153	201	3,259	34,813	90.6	190.0
	Age 15-19	4,780	338	5,645	84,147	56.8	127.9
Asian and Pacific Islander	15-17	44	3	159	13,286	3.3	15.5
	18-19	178	10	358	9,768	18.2	55.9
	Age 15-19	222	13	517	23,054	9.6	32.6
Non-Hispanic White	15-17	121	14	437	35,053	3.5	16.3
	18-19	519	45	737	26,699	19.4	48.7
	Age 15-19	640	59	1,174	61,752	10.4	30.3
Non-Hispanic Black	15-17	906	89	3,025	46,468	19.5	86.5
	18-19	2,013	177	4,240	29,528	68.2	217.8
	Age 15-19	2,919	266	7,265	75,996	38.4	137.5
Borough of Residence							
Manhattan	15-17	365	31	867	19,383	18.8	65.2
	18-19	792	54	1,236	18,785	42.2	110.8
	Age 15-19	1,157	85	2,103	38,168	30.3	87.6
Bronx	15-17	886	96	1,611	29,404	30.1	88.2
	18-19	1,599	135	2,089	20,276	78.9	188.5
	Age 15-19	2,485	231	3,700	49,680	50.0	129.1
Brooklyn	15-17	823	85	1,880	52,727	15.6	52.9
	18-19	1,945	171	2,724	34,193	56.9	141.5
	Age 15-19	2,768	256	4,604	86,920	31.8	87.8
Queens	15-17	483	34	1,087	39,968	12.1	40.1
	18-19	1,182	80	1,757	26,538	44.5	113.8
	Age 15-19	1,665	114	2,844	66,506	25.0	69.5
Staten Island	15-17	104	12	228	8,725	11.9	39.4
	18-19	239	9	303	5,357	44.6	102.9
	Age 15-19	343	21	531	14,082	24.4	63.6
NYC Events to NYC Residents***	15-17	2,661	258	5,673	150,207	17.7	57.2
	18-19	5,757	449	8,109	105,149	54.8	136.1
	Age 15-19	8,418	707	13,782	255,356	33.0	89.7
Non-Residents	15-17	46	2	509	–	n.a.	n.a.
	18-19	129	13	723	–	n.a.	n.a.
	Age 15-19	175	15	1,232	–	n.a.	n.a.

* Population data used to calculate rates are from 2000 Census. See Technical Notes: Population.

** Includes all events occurring in NYC; includes unknown residency; also includes other/unknown ethnicities.

*** Numbers and rates are limited to events to New York City residents only.

n.a.: Not applicable.

**Table 29. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman
New York City, 2006**

	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	90,157	472	6,200	8,858	26,105	22,303	14,183	8,538	3,119	379
Ethnic Group										
Hispanic	29,678	179	2,386	3,259	9,151	7,357	4,235	2,224	736	151
Asian and Pacific Islander	4,959	8	159	358	1,199	1,264	988	666	294	23
Non-Hispanic White	9,781	29	437	737	2,630	2,478	1,694	1,204	539	33
Non-Hispanic Black	42,289	246	3,025	4,240	12,186	10,284	6,667	4,061	1,436	144
Other	635	4	36	61	190	136	106	78	23	1
Not Stated	2,815	6	157	203	749	784	493	305	91	27
Marital Status										
Married	12,753	7	75	201	1,784	3,342	3,438	2,662	1,173	71
Not Married	75,381	461	6,017	8,481	23,780	18,478	10,383	5,677	1,865	239
Not Stated	2,023	4	108	176	541	483	362	199	81	69
Gestational Age										
6 Weeks or Less	30,036	83	1,302	2,316	8,316	8,204	5,387	3,154	1,151	123
7 - 8 Weeks	27,680	122	1,631	2,475	7,822	7,101	4,649	2,768	985	127
9 - 10 Weeks	13,035	68	1,053	1,457	3,906	3,102	1,860	1,133	408	48
11 - 12 Weeks	6,677	37	666	918	2,039	1,437	842	524	188	26
13 - 15 Weeks	5,000	52	547	688	1,613	990	564	378	145	23
16 - 20 Weeks	4,626	68	608	656	1,473	839	486	324	150	22
21 or More Weeks	2,226	38	340	280	695	391	251	169	55	7
Not Stated	877	4	53	68	241	239	144	88	37	3
Type of Termination Procedure										
Suction Curettage	69,823	298	4,371	6,539	19,887	17,670	11,414	6,878	2,492	274
Sharp Curettage / D+C	1,374	11	89	107	348	343	249	151	65	11
Dilatation and Evacuation	11,332	147	1,437	1,556	3,587	2,175	1,248	800	331	51
Intrauterine Instillation	21	-	2	1	3	8	2	2	3	-
Hysterotomy / Hysterectomy	4	-	-	1	-	2	-	1	-	-
Medical (Non-Surgical)	7,006	12	264	582	2,118	1,952	1,183	649	203	43
Other	107	-	6	9	24	24	20	17	7	-
Not Stated	490	4	31	63	138	129	67	40	18	-

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, 1997-2006**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Marital Status (percent)										
Married	19.1	19.3	17.9	16.4	15.8	15.8	15.9	14.7	14.3	14.2
Not Married	78.2	78.3	79.3	81.0	81.6	82.2	82.1	82.1	83.0	83.6
Unknown	2.7	2.4	2.9	2.6	2.6	2.0	2.0	3.2	2.7	2.2
Age of Woman										
< 15	696	704	672	601	564	506	518	550	524	472
15 - 19	17,056	16,922	16,525	15,497	14,999	14,706	14,487	14,917	14,838	15,058
20 - 24	28,804	29,736	29,857	27,799	27,100	27,076	26,815	27,159	25,905	26,105
25 - 29	24,868	25,504	24,758	22,502	21,549	21,790	21,748	22,038	21,483	22,303
30 - 34	17,078	17,662	17,337	15,735	15,376	15,285	14,833	14,692	14,036	14,183
35 - 39	9,312	9,938	9,875	9,193	8,981	8,989	8,930	8,893	8,594	8,538
40 +	2,796	3,156	3,138	2,953	2,922	3,126	3,166	3,148	3,156	3,119
Unknown	316	360	172	186	301	322	323	276	355	379
Ethnic Group										
Hispanic	28,965	31,895	32,826	31,118	29,684	30,098	29,953	27,946	27,210	29,678
Asian and Pacific Islander	4,317	5,198	4,969	4,873	4,977	5,097	5,341	4,811	4,354	4,959
Non-Hispanic White	12,037	12,365	11,833	10,438	10,220	9,903	9,779	9,426	9,804	9,781
Non-Hispanic Black	47,072	48,799	48,245	45,150	44,213	43,912	41,961	39,847	40,227	42,289
Other	469	713	749	532	603	526	597	646	541	635
Unknown	8,066	5,012	3,712	2,355	2,095	2,264	3,189	8,997	6,755	2,815
Total	100,926	103,982	102,334	94,466	91,792	91,800	90,820	91,673	88,891	90,157

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

Table 30.

**Live Births by Ancestry of Mother and Borough of Residence
New York City, 2006**

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	125,506	20,236	21,274	40,096	27,488	5,806	10,599	7
Puerto Rican	10,111	1,320	4,477	2,249	1,159	465	440	1
Dominican	10,178	2,791	4,223	1,404	1,350	84	326	–
Colombian	1,317	104	61	116	882	42	112	–
Ecuadorian	3,462	279	446	606	1,976	47	108	–
Mexican	8,386	1,026	1,820	2,534	2,371	562	73	–
Cuban	297	74	60	44	50	21	48	–
Other Hispanic	6,660	575	1,235	2,073	2,217	165	395	–
African-American	16,750	2,009	4,271	6,570	2,662	554	681	3
American	4,972	1,389	164	1,731	440	279	969	–
Guyanese	2,167	15	205	736	1,106	10	95	–
Haitian	1,637	76	57	962	378	12	152	–
Jamaican	2,689	89	655	1,084	667	29	165	–
Trinidadian	1,600	38	87	902	504	24	45	–
Other North, Central and South American	2,719	256	293	1,626	339	35	170	–
English	947	467	13	224	56	22	165	–
German	1,999	705	61	358	250	140	484	1
Irish	3,112	782	118	525	483	345	859	–
Italian	4,833	714	163	818	594	1,499	1,045	–
Polish	1,596	252	23	479	497	97	248	–
Russian	2,289	559	38	774	392	155	371	–
Other European	5,842	1,479	343	1,717	1,009	368	926	–
Asian Indian	2,010	261	109	190	1,049	73	328	–
Bangladeshi	1,631	54	243	358	952	7	17	–
Chinese	7,934	1,824	103	3,081	2,342	157	427	–
Filipino	935	144	51	91	420	72	157	–
Korean	1,085	280	19	74	535	24	153	–
Pakistani	1,209	51	68	499	450	44	97	–
Other Asian	4,096	801	248	1,445	1,099	176	327	–
Jewish or Hebrew	7,666	700	79	5,472	486	146	783	–
Other or Not Stated	5,377	1,122	1,541	1,354	773	152	433	2

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

Table 31.

**Live Births by Mother's Ethnic Group and Age
New York City, 2006**

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	125,506	102	2,707	5,886	25,838	32,732	32,307	20,221	5,712	1
Puerto Rican	10,111	19	576	1,029	2,963	2,587	1,629	1,036	272	–
Other Hispanic	30,300	45	1,051	2,124	8,054	8,479	6,345	3,320	882	–
Asian and Pacific Islander	17,356	2	44	178	2,652	5,440	5,555	2,833	652	–
Non-Hispanic White	38,231	2	121	519	5,124	8,626	12,439	8,799	2,601	–
Non-Hispanic Black	29,077	34	906	2,013	6,966	7,491	6,221	4,169	1,277	–
Other	270	–	3	14	56	74	74	38	11	–
Not Stated	161	–	6	9	23	35	44	26	17	1

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

* One foundling and therefore age of mother is missing.

Table 32.

Selected Characteristics of Live Births by Age of Mother, New York City, 2006

	Total	Age of Mother								Not Stated***
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Total Live Births	125,506	102	2,707	5,886	25,838	32,732	32,307	20,221	5,712	1
Sex										
Male	64,236	55	1,331	2,949	13,325	16,781	16,558	10,330	2,907	-
Female	61,270	47	1,376	2,937	12,513	15,951	15,749	9,891	2,805	1
Birth Order This Child (Live Births Only)										
First	57,514	100	2,539	4,819	15,057	13,878	12,602	6,748	1,770	1
Second	37,375	2	161	951	7,768	10,367	10,133	6,344	1,649	-
Third	17,290	-	6	105	2,298	4,987	5,215	3,626	1,053	-
Fourth	6,961	-	1	8	545	2,169	2,145	1,602	491	-
Fifth	3,014	-	-	3	136	871	1,015	754	235	-
Sixth or Higher	3,352	-	-	-	34	460	1,197	1,147	514	-
Weight at Delivery in Grams										
Under 500	125	-	3	7	30	22	26	30	7	-
500-999	862	2	17	59	157	204	215	146	62	-
1000-1499	1,069	2	22	57	201	247	266	199	75	-
1500-1999	2,198	1	64	122	408	473	529	436	165	-
2000-2499	6,891	6	169	383	1,425	1,605	1,713	1,169	421	-
2500-2999	25,011	24	696	1,445	5,531	6,354	6,012	3,768	1,181	-
3000-3499	50,342	46	1,151	2,390	10,825	13,447	12,792	7,659	2,032	-
3500-3999	30,960	17	510	1,198	5,951	8,300	8,386	5,240	1,358	-
4000-4499	7,007	4	67	203	1,161	1,818	2,053	1,347	354	-
4500-4999	946	-	6	21	134	242	286	207	50	-
5000 & Over	94	-	2	1	15	20	29	20	7	-
Not Stated	1	-	-	-	-	-	-	-	-	1
Plurality										
Single	120,769	100	2,670	5,772	25,234	31,730	30,883	19,144	5,235	1
Twin	4,528	2	37	114	582	945	1,361	1,029	458	-
Triplet	197	-	-	-	18	57	63	44	15	-
Quadruplet	12	-	-	-	4	-	-	4	4	-
Quintuplet	0	-	-	-	-	-	-	-	-	-
Apgar Score at 5 Minutes										
6 or less	938	2	27	68	205	228	207	147	54	-
7	876	3	19	48	176	209	211	156	54	-
8	4,381	8	137	217	890	1,042	1,060	782	245	-
9	114,992	86	2,405	5,333	23,613	30,162	29,763	18,440	5,190	-
10	4,176	2	116	215	930	1,059	1,020	672	162	-
Not Stated	143	1	3	5	24	32	46	24	7	1
Method of Delivery										
Vaginal	85,160	84	2,185	4,548	19,606	23,088	20,933	11,907	2,809	-
Vaginal After Any Prior C-Section	1,913	-	3	26	320	518	554	371	121	-
Primary C-Section	25,341	18	500	1,177	4,358	6,048	6,782	4,731	1,727	-
Repeat C-Section	13,036	-	18	135	1,545	3,061	4,028	3,201	1,048	-
Unknown	56	-	1	-	9	17	10	11	7	1
Place of Birth										
Home	458	2	7	10	68	106	133	106	26	-
Voluntary Hospital, Private Service	65,121	12	452	1,194	8,446	15,845	20,985	14,154	4,033	-
Voluntary Hospital, General Service	37,078	51	1,432	2,920	10,845	10,482	6,810	3,580	958	-
Municipal Hospital	22,591	37	812	1,755	6,409	6,227	4,318	2,350	683	-
Birthing Center	160	-	2	6	51	45	36	14	6	-
Other	98	-	2	1	19	27	25	17	6	1
Attendant										
Physician	113,672	84	2,300	5,044	22,412	29,445	29,990	18,962	5,435	-
Certified Nurse Midwife	11,057	17	387	806	3,171	3,065	2,187	1,166	258	-
Other	777	1	20	36	255	222	130	93	19	1
Financial Coverage										
Medicaid	66,450	81	2,164	4,757	19,680	18,919	12,495	6,537	1,817	-
HMO	21,549	11	292	590	2,840	5,214	6,813	4,515	1,274	-
Third Party	34,602	6	171	352	2,647	7,838	12,356	8,738	2,494	-
Self	2,636	4	69	171	610	691	578	394	119	-
Not Stated	269	-	11	16	61	70	65	37	8	1
First Visit for Prenatal Care										
First Trimester (1-3 months)	89,520	37	1,401	3,396	16,942	23,287	24,494	15,667	4,296	-
Second Trimester (4-6 months)	25,306	29	868	1,701	6,234	6,693	5,554	3,227	1,000	-
Late (7-9 months)	6,565	21	309	544	1,666	1,678	1,375	774	198	-
No Care	650	4	24	59	195	150	102	83	33	-
Not stated	3,465	11	105	186	801	924	782	470	185	1
Marital Status of Mother*										
Not Married	55,190	97	2,572	5,068	16,578	14,629	9,248	5,325	1,672	1
Married	70,316	5	135	818	9,260	18,103	23,059	14,896	4,040	-
Years of Education										
None	360	-	4	18	79	95	93	51	20	-
1-11	26,184	101	2,269	2,668	7,449	6,513	4,250	2,252	682	-
12	38,338	-	418	2,535	10,644	10,853	7,866	4,663	1,359	-
13 & Over	60,231	-	3	644	7,575	15,171	20,005	13,203	3,630	-
Not Stated	393	1	13	21	91	100	93	52	21	1
Birthplace of Mother**										
United States Other Than Puerto Rico	58,121	77	1,840	3,574	12,798	13,305	14,032	9,798	2,697	-
Puerto Rico	1,743	1	66	148	423	482	313	211	99	-
Foreign	65,206	23	781	2,139	12,517	18,841	17,868	10,149	2,888	-
Not Stated	436	1	20	25	100	104	94	63	28	1

* See Technical Notes: Mother's Marital Status.

** Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

*** One foundingling and therefore age and other characteristics of the mother are missing.

Table 33.

Selected Characteristics of Live Births by Mother's Ethnic Group, New York City, 2006

	Total	Ethnic Group of Mother						
		Puerto Rican	Other Hispanic	Asian	Non-Hispanic White	Non-Hispanic Black	Other	Not Stated
Total Live Births	125,506	10,111	30,300	17,356	38,231	29,077	270	161
Sex								
Male	64,236	5,101	15,562	9,007	19,573	14,777	137	79
Female	61,270	5,010	14,738	8,349	18,658	14,300	133	82
Birth Order This Child (Live Births Only)								
First	57,514	4,479	12,566	9,211	18,338	12,704	125	91
Second	37,375	2,967	9,628	5,823	10,657	8,180	85	35
Third	17,290	1,497	5,181	1,715	4,382	4,452	41	22
Fourth	6,961	642	1,943	410	1,981	1,969	9	7
Fifth	3,014	290	618	131	1,045	921	7	2
Sixth or Higher	3,352	236	364	66	1,828	851	3	4
Weight at Delivery in Grams								
Under 500	125	15	18	11	22	59	-	-
500-999	862	110	157	58	179	354	1	3
1000-1499	1,069	120	223	93	246	381	4	2
1500-1999	2,198	214	389	280	562	744	3	6
2000-2499	6,891	681	1,400	962	1,743	2,067	26	12
2500-2999	25,011	2,148	5,459	4,091	6,556	6,653	68	36
3000-3499	50,342	3,996	12,363	7,410	15,247	11,151	106	69
3500-3999	30,960	2,290	8,103	3,667	10,723	6,103	51	23
4000-4499	7,007	461	1,900	683	2,590	1,353	11	9
4500-4999	946	68	266	92	334	186	-	-
5000 & Over	94	8	22	9	29	26	-	-
Not Stated	1	-	-	-	-	-	-	1
Plurality								
Single	120,769	9,789	29,613	16,876	36,028	28,042	266	155
Twin	4,528	313	659	463	2,072	1,011	4	6
Triplet	197	9	28	17	119	24	-	-
Quadruplet	12	-	-	-	12	-	-	-
Quintuplet	0	-	-	-	-	-	-	-
Apgar Score at 5 Minutes								
6 or less	938	112	179	70	162	410	-	5
7	876	104	191	75	198	304	2	2
8	4,381	434	1,003	420	1,126	1,378	11	9
9	114,992	8,972	27,648	16,320	35,592	26,081	250	129
10	4,176	475	1,253	461	1,137	839	6	5
Not Stated	143	14	26	10	16	65	1	11
Method of Delivery								
Vaginal	85,160	6,969	20,545	12,206	26,298	18,848	187	107
Vaginal After Any Prior C-Section	1,913	132	497	195	661	425	2	1
Primary C-Section	25,341	1,990	5,421	3,342	7,983	6,513	64	28
Repeat C-Section	13,036	1,018	3,830	1,601	3,271	3,285	17	14
Unknown	56	2	7	12	18	6	-	11
Place of Birth								
Home	458	34	54	21	184	151	1	13
Voluntary Hospital, Private Service	65,121	3,817	6,587	9,981	33,606	10,935	107	88
Voluntary Hospital, General Service	37,078	4,181	14,200	4,527	3,253	10,731	145	41
Municipal Hospital	22,591	2,041	9,396	2,815	1,135	7,172	15	17
Birthing Center	160	29	44	6	38	41	1	1
Other	98	9	19	6	15	47	1	1
Attendant								
Physician	113,672	8,932	26,526	16,317	35,454	26,098	213	132
Certified Nurse Midwife	11,057	1,116	3,590	982	2,509	2,795	46	19
Other	777	63	184	57	268	184	11	10
Financial Coverage								
Medicaid	66,450	6,289	22,296	9,509	9,638	18,545	112	61
HMO	21,549	1,587	3,796	2,842	8,991	4,206	86	41
Third Party	34,602	2,035	3,648	4,522	18,704	5,580	68	45
Self	2,636	186	520	419	860	645	4	2
Not Stated	269	14	40	64	38	101	-	12
First Visit for Prenatal Care								
First Trimester (1-3 months)	89,520	7,417	20,369	11,699	30,882	18,874	184	95
Second Trimester (4-6 months)	25,306	1,939	7,037	4,075	5,588	6,567	62	38
Late (7-9 months)	6,565	422	2,065	952	870	2,240	10	6
No Care	650	74	168	45	56	300	3	4
Not Stated	3,465	259	661	585	835	1,096	11	18
Marital Status of Mother*								
Not Married	55,190	7,448	19,834	3,496	4,269	19,930	126	87
Married	70,316	2,663	10,466	13,860	33,962	9,147	144	74
Years of Education								
None	360	3	120	46	61	127	-	3
1-11	26,184	3,554	11,228	3,356	1,994	5,983	53	16
12	38,338	2,970	10,148	5,349	9,496	10,212	106	57
13 & Over	60,231	3,581	8,712	8,492	26,644	12,650	111	41
Not Stated	393	3	92	113	36	105	-	44
Birthplace of Mother**								
United States other than Puerto Rico	58,121	8,365	5,994	1,276	26,499	15,812	73	102
Puerto Rico	1,743	1,651	72	2	11	7	-	-
Foreign	65,206	79	24,139	16,060	11,588	13,110	197	33
Not Stated	436	16	95	18	133	148	-	26

* See Technical Notes: Mother's Marital Status.

** Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

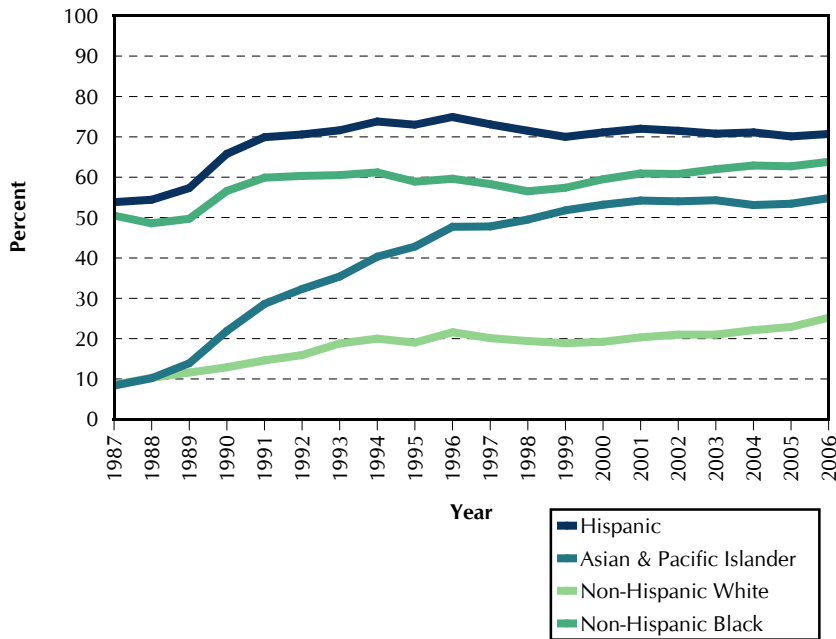


Figure 21. Percent of Live Births Covered by Medicaid New York City, 1987-2006

Of the 125,506 births in NYC in 2006, approximately 53% (66,450) were covered by Medicaid. The distribution varied greatly by ethnic group. Since 1985, greater than 50% of Hispanic births were covered by Medicaid, remaining 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 1986 to more than 54% in 2006. The proportion of births covered by Medicaid among Non-Hispanic whites remains the lowest, with a slow steady increase from 10% in 1986 to slightly more than 25% of births in 2006.

Of the 66,450 births reported to be covered by Medicaid in 2006, 43% were to Hispanics, 28% were to Non-Hispanic blacks, 14% were to Asian and Pacific Islanders and 15% were to Non-Hispanic whites.

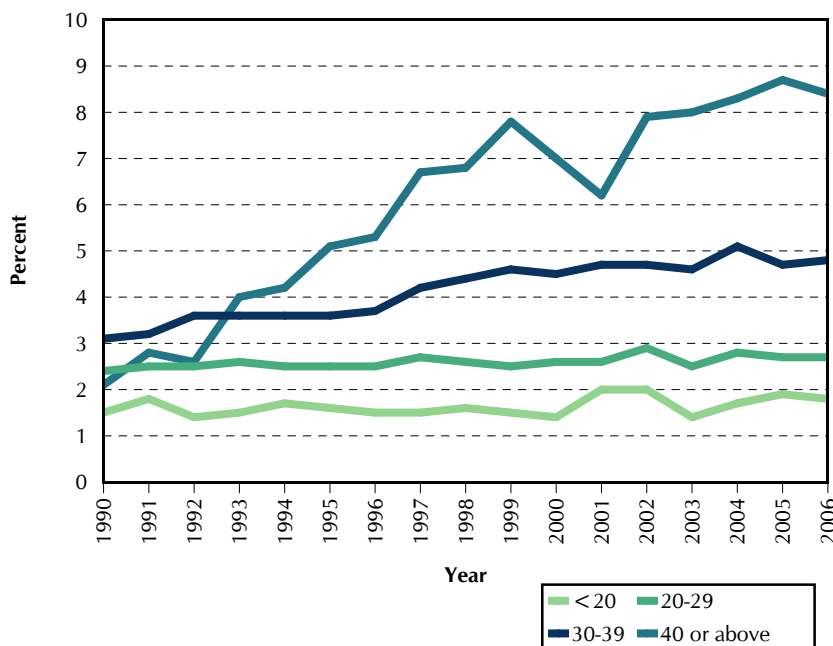


Figure 22. Percent of Multiple Births by Mother's Age New York City, 1990-2006

Plurality (multiple births) occurred among 4,737 of the 125,506 births in New York City in 2006; 96.2% births were singletons, 3.6% were twins, and 0.2% were triplets. The proportion of births that were multiples increases with age of mother. In 2006, 8.4% of births to women 40 years of age or over were multiple, compared to 4.8% of births to women between 30-39, 2.7% to women between 20-29 and 1.8% to women under 20.

The percent of multiple births to women 40 years of age or over has increased from 2.1% in 1990 to 8.4% in 2006, with a short decline between 2000 and 2001. Women aged 30 to 39 have also had an increase in the proportion of multiple births, from 3.1% in 1990 to 4.8% in 2006. The proportion of multiple births to women aged 20 to 29 and women under 20 also increased slightly from 2.4% and 1.5% in 1990 to 2.7% and 1.8% in 2006, respectively.

Table 34.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 2006**

Health Center District of Residence	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry			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	Foreign Born Mother**										
NEW YORK CITY	125,506	15.7*	8.1	24.1	52.0	45.8	8.9	5.7	44.0	52.9	740	5.9	484	3.9	
MANHATTAN	20,236	13.2	6.5	24.0	45.6	56.0	8.6	4.3	36.5	41.4	84	4.2	55	2.7	
Central Harlem	1,965	15.9	8.5	19.0	39.0	45.1	12.4	9.9	68.3	72.0	22	11.2	14	7.1	
East Harlem	1,997	14.7	18.9	29.8	41.1	49.2	10.0	6.0	57.2	61.7	9	4.5	7	3.5	
Kips Bay-Yorkville	3,102	12.8	1.0	4.8	34.1	68.6	8.2	1.3	6.0	4.4	10	3.2	6	1.9	
Lower East Side	2,889	11.9	10.6	9.4	57.5	56.0	6.3	4.0	34.2	54.0	12	4.2	9	3.1	
Lower West Side	3,894	12.6	2.6	7.1	40.8	64.1	8.0	2.8	15.5	13.7	8	2.1	5	1.3	
Riverside	2,494	12.3	5.8	14.6	34.3	57.3	8.2	3.2	26.0	23.2	7	2.8	3	1.2	
Washington Heights	3,895	14.0	5.0	72.3	63.5	45.8	8.9	5.4	63.6	74.9	16	4.1	11	2.8	
BRONX	21,274	16.0	21.0	36.9	49.9	42.2	10.2	5.5	70.3	68.1	150	7.1	101	4.7	
Fordham-Riverdale	4,064	15.4	16.9	45.8	54.8	44.1	9.1	3.7	63.5	64.3	21	5.2	18	4.4	
Morrisania	3,344	19.9	21.9	37.4	48.5	38.5	10.6	6.8	75.3	69.5	24	7.2	15	4.5	
Mott Haven	2,365	17.1	27.8	42.2	42.3	39.6	10.2	8.1	80.5	79.4	27	11.4	24	10.1	
Pelham Bay	2,987	12.2	14.4	16.7	52.7	49.0	11.0	5.2	68.5	68.6	27	9.0	14	4.7	
Tremont	4,397	20.4	18.2	46.9	54.0	38.3	9.9	5.2	75.3	65.3	24	5.5	16	3.6	
Westchester	4,117	13.7	28.4	28.5	44.0	44.2	10.4	5.3	63.0	67.1	27	6.6	14	3.4	
BROOKLYN	40,096	16.3	5.6	16.9	50.4	42.5	8.5	5.7	43.3	62.3	239	6.0	149	3.7	
Bay Ridge	4,112	15.2	3.7	17.0	63.5	44.4	6.5	4.7	25.3	54.5	14	3.4	12	2.9	
Bedford	3,515	15.3	3.5	7.2	44.5	41.8	10.8	7.8	63.0	71.9	28	8.0	16	4.6	
Brownsville	4,705	15.6	7.4	10.1	47.9	40.7	13.7	9.0	70.3	70.3	59	12.5	32	6.8	
Bushwick	3,548	18.3	16.6	47.6	53.8	39.1	9.3	7.2	72.0	76.1	29	8.2	16	4.5	
Flatbush	8,100	15.0	1.9	11.7	56.0	40.5	8.8	6.6	40.1	58.6	39	4.8	27	3.3	
Fort Greene	2,366	15.5	5.2	14.2	32.4	48.1	8.2	5.0	47.5	52.2	12	5.1	7	3.0	
Gravesend	3,790	12.2	5.0	14.9	64.1	50.2	7.9	4.8	29.5	52.0	17	4.5	13	3.4	
Red Hook-Gowanus	1,580	14.2	9.9	11.9	28.5	55.6	7.3	2.8	28.9	27.2	12	7.6	5	3.2	
Sunset Park	5,206	26.6	3.9	22.3	57.9	40.5	5.8	3.1	30.8	73.3	13	2.5	11	2.1	
Williamsburg-Greenpoint	3,174	19.8	6.6	14.8	21.9	35.5	5.3	3.3	22.2	63.0	16	5.0	10	3.2	
QUEENS	27,488	12.3	4.2	32.2	71.1	46.8	8.2	8.8	44.2	56.4	147	5.3	105	3.8	
Astoria-Long Island City	3,082	11.4	3.7	35.1	71.2	53.4	7.6	9.9	38.1	59.2	17	5.5	12	3.9	
Corona	6,302	17.3	1.4	64.1	87.1	42.6	6.7	12.9	54.3	76.4	33	5.2	24	3.8	
Flushing	4,652	9.3	2.8	17.3	73.3	47.8	7.4	4.4	26.8	45.9	16	3.4	12	2.6	
Jamaica East	4,352	11.5	2.8	13.6	60.0	48.3	11.0	10.3	58.1	53.4	31	7.1	24	5.5	
Jamaica West	5,573	13.2	7.6	26.6	63.4	44.1	10.1	8.3	48.5	50.7	35	6.3	21	3.8	
Maspeth-Forest Hills	3,527	11.9	8.0	23.8	65.7	50.0	6.5	5.3	30.7	44.9	15	4.3	12	3.4	
RICHMOND	5,806	13.1	8.0	15.9	35.8	41.0	8.7	4.4	32.0	32.9	20	3.4	11	1.9	
NEW YORK CITY RESIDENTS	114,900	14.3	8.4	25.4	53.7	45.8	8.8	6.1	46.8	56.8	640	5.6	421	3.7	
NON-RESIDENTS	10,599	-	4.2	10.0	33.2	46.3	9.9	1.9	13.8	11.2	98	9.2	61	5.8	
RESIDENCE UNKNOWN	7	-	-	-	-	-	-	-	-	-	2	-	2	-	

Note: 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.

*Rate per 1,000 population. Population data are from 2000 census, compared to Table 1 where the citywide rate is 15.3 based on Census Bureau's 2006 estimate.

** Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

*** Rate per 1,000 live births.

Table 35.

**Live Births by Selected Characteristics and Mother's Ancestry
New York City, 2006**

Ancestry of Mother	Live Births	Percent of Total 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	125,506	52.0	45.8	8.9	5.7	44.0	52.9	6.9	
Puerto Rican	10,111	0.8	44.3	11.3	4.9	73.7	62.2	16.1	
Dominican	10,178	74.2	43.2	8.0	5.8	67.6	70.8	10.8	
Colombian	1,317	77.8	51.8	6.8	7.7	50.3	52.7	7.4	
Ecuadorian	3,462	88.5	37.7	6.1	9.9	54.7	74.8	7.6	
Mexican	8,386	94.9	36.8	6.4	8.4	73.6	88.8	12.1	
Cuban	297	17.2	52.5	9.8	3.4	42.1	29.3	9.4	
Other Hispanic	6,660	67.4	44.2	7.6	7.2	61.6	64.2	10.8	
African-American	16,750	11.2	45.2	13.7	7.1	77.6	63.7	14.2	
American	4,972	3.9	49.2	8.7	2.5	14.7	19.8	2.6	
Guyanese	2,167	94.3	42.5	13.7	5.6	44.6	49.6	5.2	
Haitian	1,637	84.1	46.7	12.2	8.4	47.6	57.5	3.4	
Jamaican	2,689	92.7	44.1	10.3	10.4	67.1	64.3	5.6	
Trinidadian	1,600	94.6	47.8	12.0	14.4	55.9	66.9	6.1	
Other North, Central and South American	2,719	87.5	45.6	10.2	10.0	52.2	58.2	3.6	
English	947	23.4	62.2	6.9	1.4	9.5	4.0	0.1	
German	1,999	15.6	58.1	8.0	1.8	12.1	7.8	0.5	
Irish	3,112	11.1	54.1	7.2	1.3	14.5	8.8	0.9	
Italian	4,833	6.5	51.1	8.3	1.4	14.3	10.4	1.7	
Polish	1,596	58.8	57.3	5.5	2.8	14.8	33.1	1.1	
Russian	2,289	62.0	54.3	7.8	2.8	14.2	18.2	0.7	
Other European	5,842	54.1	53.7	6.6	2.8	13.0	22.6	1.3	
Asian Indian	2,010	90.9	55.7	10.9	5.7	11.4	34.8	0.9	
Bangladeshi	1,631	99.4	43.6	10.3	10.7	13.2	77.8	1.6	
Chinese	7,934	93.3	53.8	5.5	3.9	26.1	61.2	0.8	
Filipino	935	82.9	54.0	10.9	5.9	19.7	25.5	1.8	
Korean	1,085	86.6	61.1	5.7	4.2	11.2	32.3	0.5	
Pakistani	1,209	96.1	45.1	9.0	9.7	7.8	71.4	1.9	
Other Asian	4,096	86.6	49.3	7.4	7.2	13.1	47.7	4.4	
Jewish or Hebrew	7,666	17.1	30.5	5.9	1.5	3.3	46.6	1.5	
Other & Not Stated	5,377	71.0	41.0	9.0	8.9	33.6	51.6	2.9	

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

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

** Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

Table 36.

**Live Births by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 2006**

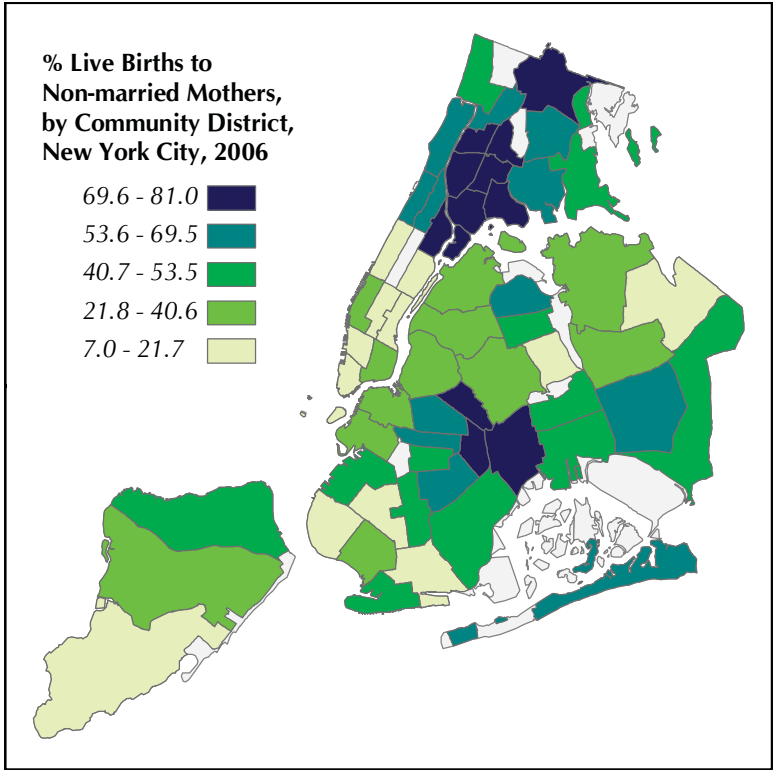
Community District of Residence	Live Births Rate*		Percent of Total Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry			Foreign Born Mother **	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate #	Number	Rate #
			Puerto Rican	Hispanic	Hispanic										
NEW YORK CITY	125,506	15.7*	8.1	24.1	52.0	45.8	8.9	5.7	44.0	52.9	740	5.9	484	3.9	
MANHATTAN	20,131	13.1	6.5	23.8	45.5	56.0	8.6	4.3	36.3	41.2	83	4.1	54	2.7	
Battery Park, Tribeca (01)	760	22.1	2.0	6.1	38.8	64.7	7.4	2.1	8.4	5.0	2	2.6	1	1.3	
Greenwich Village, SOHO (02)	916	9.8	0.5	3.9	40.7	64.1	6.7	2.6	13.6	13.1	1	1.1	1	1.1	
Lower East Side (03)	2,289	13.9	12.5	10.0	65.8	52.7	6.1	4.3	40.6	68.7	8	3.5	6	2.6	
Chelsea, Clinton (04)	847	9.7	7.2	13.2	41.1	61.3	8.0	3.3	29.3	25.0	-	-	-	-	
Midtown Business District (05)	474	10.8	1.3	7.2	44.7	69.4	7.8	4.2	14.8	12.7	2	4.2	1	2.1	
Murray Hill (06)	1,277	9.4	2.0	6.3	39.6	66.7	8.5	2.5	9.5	5.7	7	5.5	4	3.1	
Upper West Side (07)	2,856	13.8	3.9	10.0	32.1	61.2	8.5	2.6	16.2	12.4	8	2.8	5	1.8	
Upper East Side (08)	2,868	13.2	1.8	4.7	31.5	68.2	8.3	1.2	7.0	5.8	10	3.5	8	2.8	
Manhattanville (09)	1,425	12.8	6.9	48.6	55.2	47.3	10.1	6.5	63.4	68.0	6	4.2	3	2.1	
Central Harlem (10)	1,722	16.1	7.6	19.0	40.7	45.2	12.1	10.5	67.2	71.7	19	11.0	11	6.4	
East Harlem (11)	1,795	15.2	21.8	34.1	40.7	44.6	10.6	7.0	70.6	75.5	9	5.0	7	3.9	
Washington Heights (12)	2,900	13.9	4.3	75.7	65.1	46.0	8.0	5.0	60.7	73.6	11	3.8	7	2.4	
BRONX	21,379	16.0	21.0	37.0	49.9	42.2	10.2	5.5	70.3	68.2	151	7.1	102	4.8	
Mott Haven (01)	1,649	20.1	29.2	40.8	41.8	38.0	10.8	8.2	81.0	81.5	21	12.7	18	10.9	
Hunts Point (02)	873	18.6	29.4	43.3	41.9	40.7	9.4	6.9	80.1	77.3	6	6.9	6	6.9	
Morrisania (03)	1,353	19.7	25.4	28.2	37.2	38.9	12.6	5.2	79.3	64.7	13	9.6	6	4.4	
Concourse, Highbridge (04)	2,887	20.7	14.9	46.3	60.4	37.0	9.2	7.0	71.4	69.2	14	4.8	11	3.8	
University/Morris Heights (05)	2,539	19.8	16.3	49.5	56.6	39.5	9.5	5.4	75.7	64.3	13	5.1	9	3.5	
East Tremont (06)	1,414	18.7	28.3	36.5	40.5	38.8	10.7	4.4	80.3	62.2	7	5.0	5	3.5	
Fordham (07)	2,448	17.3	18.5	50.1	58.7	43.6	8.6	4.3	68.2	73.8	17	6.9	15	6.1	
Riverdale (08)	1,160	11.4	10.9	42.5	48.0	49.9	10.8	2.6	45.7	51.8	6	5.2	4	3.4	
Unionport, Soundview (09)	2,666	15.9	28.1	29.4	43.2	43.2	11.6	5.9	69.5	72.0	21	7.9	12	4.5	
Throgs Neck (10)	972	8.4	29.8	21.7	36.0	45.2	9.1	3.3	53.5	51.7	6	6.2	2	2.1	
Pelham Parkway (11)	1,356	12.2	21.9	26.8	54.7	46.9	9.6	4.7	55.2	64.3	3	2.2	2	1.5	
Williamsbridge (12)	2,061	13.8	12.1	14.0	53.9	49.9	11.0	5.7	72.0	71.6	24	11.6	12	5.8	
BROOKLYN	40,096	16.3	5.6	16.9	50.4	42.5	8.5	5.7	43.3	62.3	239	6.0	149	3.7	
Williamsburg, Greenpoint (01)	3,174	19.8	6.6	14.8	21.9	35.5	5.3	3.3	22.2	63.0	16	5.0	10	3.2	
Fort Greene, Brooklyn Heights (02)	1,231	12.5	4.1	11.9	30.9	58.4	8.2	4.5	36.3	33.5	9	7.3	5	4.1	
Bedford Stuyvesant (03)	2,303	16.0	7.0	14.4	31.8	39.6	10.6	7.7	67.7	72.6	21	9.1	10	4.3	
Bushwick (04)	2,111	20.2	17.9	55.4	56.9	38.3	8.0	6.7	73.4	82.6	14	6.6	11	5.2	
East New York (05)	2,851	16.5	12.8	25.5	46.8	39.5	12.1	8.2	70.7	68.5	30	10.5	16	5.6	
Park Slope (06)	1,566	15.0	9.6	9.8	25.9	57.2	7.7	1.9	25.5	23.8	8	5.1	4	2.6	
Sunset Park (07)	2,803	23.3	7.1	38.2	77.0	47.2	5.7	3.5	47.8	76.2	9	3.2	7	2.5	
Crown Heights North (08)	1,427	14.9	3.5	8.5	45.0	44.8	10.2	6.8	62.0	64.7	14	9.8	10	7.0	
Crown Heights South (09)	1,637	15.7	1.8	5.9	54.3	41.2	8.9	8.4	50.2	68.8	7	4.3	4	2.4	
Bay Ridge (10)	1,698	13.9	4.3	14.8	59.8	49.2	6.7	5.6	21.7	44.7	8	4.7	8	4.7	
Bensonhurst (11)	2,235	13.0	3.3	18.3	72.3	46.1	6.0	5.0	28.7	53.6	8	3.6	6	2.7	
Borough Park (12)	4,854	26.2	1.5	10.1	43.3	32.3	6.0	3.0	15.8	68.3	6	1.2	5	1.0	
Coney Island (13)	1,165	11.0	9.4	21.5	61.7	58.7	10.0	6.5	44.9	65.5	6	5.2	5	4.3	
Flatbush, Midwood (14)	2,741	16.2	2.1	17.4	61.7	41.7	8.4	7.0	42.1	63.0	20	7.3	14	5.1	
Sheepshead Bay (15)	2,031	12.7	2.3	9.9	62.4	45.2	7.7	3.7	20.4	44.3	7	3.4	5	2.5	
Brownsville (16)	1,460	17.1	8.4	9.8	35.3	37.9	13.5	9.3	78.3	78.0	16	11.0	7	4.8	
East Flatbush (17)	2,301	13.9	1.1	4.9	66.7	44.1	12.6	9.4	65.1	70.2	19	8.3	8	3.5	
Canarsie (18)	2,500	12.8	3.0	6.1	52.9	42.5	11.7	6.8	45.2	48.9	21	8.4	14	5.6	
QUEENS	27,488	12.3	4.2	32.2	71.1	46.8	8.2	8.8	44.2	56.4	147	5.3	105	3.8	
Astoria, Long Island City (01)	2,207	10.4	4.5	30.4	67.5	53.2	8.4	10.2	37.4	56.6	13	5.9	10	4.5	
Sunnyside, Woodside (02)	1,459	13.3	1.6	43.1	82.1	50.4	6.1	10.7	40.0	66.6	5	3.4	3	2.1	
Jackson Heights (03)	2,862	16.9	1.5	73.2	85.6	42.6	7.1	13.6	57.4	76.9	18	6.3	10	3.5	
Elmhurst, Corona (04)	2,961	17.7	1.2	59.5	89.2	42.3	6.1	12.0	53.3	77.2	14	4.7	13	4.4	
Ridgewood, Glendale (05)	2,102	12.7	12.3	30.8	60.8	47.5	5.9	6.5	38.9	54.2	9	4.3	7	3.3	
Rego Park, Forest Hills (06)	1,260	10.9	1.8	11.3	72.1	54.4	7.4	3.1	17.5	28.5	6	4.8	5	4.0	
Flushing (07)	2,574	10.6	2.4	20.8	80.7	49.8	6.7	4.5	31.9	52.4	8	3.1	6	2.3	
Fresh Meadows, Briarwood (08)	1,776	12.1	3.5	15.6	67.3	46.7	7.5	6.3	26.9	43.5	11	6.2	7	3.9	
Woodhaven (09)	1,987	14.0	8.7	36.1	72.6	43.6	8.4	8.0	45.9	46.0	14	7.0	10	5.0	
Howard Beach (10)	1,505	11.8	7.8	18.9	66.9	45.3	11.2	6.1	43.2	45.1	9	6.0	5	3.3	
Bayside (11)	661	5.7	3.2	12.7	65.2	46.3	8.8	3.6	15.4	29.0	1	1.5	1	1.5	
Jamaica, St. Albans (12)	3,055	13.7	3.2	18.1	61.1	46.7	10.9	11.1	62.6	56.0	21	6.9	15	4.9	
Queens Village (13)	1,712	8.7	2.5	10.1	60.6	48.8	11.4	7.8	48.1	47.7	8	4.7	7	4.1	
The Rockaways (14)	1,355	12.7	7.5	19.9	39.4	42.5	11.7	10.3	57.9	63.6	10	7.4	6	4.4	
STATEN ISLAND	5,806	13.1	8.0	15.9	35.8	41.0	8.7	4.4	32.0	32.9	20	3.4	11	1.9	
Port Richmond (01)	2,581	15.9	12.0	26.5	44.7	40.1	8.8	5.8	49.9	50.0	11	4.3	5	1.9	
Willowbrook, South Beach (02)	1,457	11.5	6.4	10.2	41.2	42.6	7.5	4.3	24.6	27.9	5	3.4	3	2.1	
Tottenville (03)	1,747	11.4	3.3	5.0	18.4	40.9	9.3	2.4	11.9	12.0	4	2.3	3	1.7	

Note: 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.

*Rate per 1,000 population. Population data are from 2000 census, compared to Table 1 where citywide rate is 15.3 based on Census Bureau's 2006 estimate.

** Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

Rate per 1,000 live births.



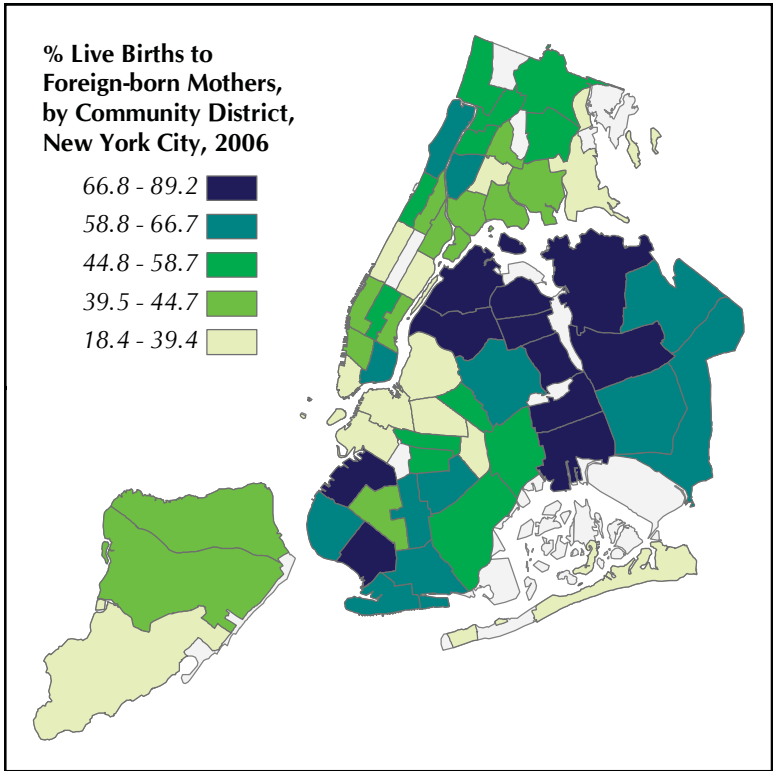
Map 1. Percent of Live Births to Non-married Mothers by Community District of Residence New York City, 2006

Forty-four percent of births in New York City in 2006 were to women who were not married. The distribution among New York City boroughs was 70.3% in the Bronx, 44.2% in Queens, 43.3% in Brooklyn, 36.3% in Manhattan, and 32.0% in Staten Island.

Community districts in the highest quintile of births to non-married women were Mott Haven at 81.0%, followed by East Tremont at 80.3%, Hunts Point at 80.1%, Morrisania at 79.3%, Brownsville at 78.3%, University/Morris Heights at 75.7%, Bushwick at 73.4%, Williamsbridge at 72.0%, Concourse/Highbridge at 71.4%, East New York at 70.7%, and East Harlem at 70.6%.

Only three community districts had less than 10% of their births to non-married mothers: Upper East Side at 7.0%, Greenwich Village/SOHO at 8.4%, and Murray Hill at 9.5%.

See Table 36 on page 51 for additional rates.



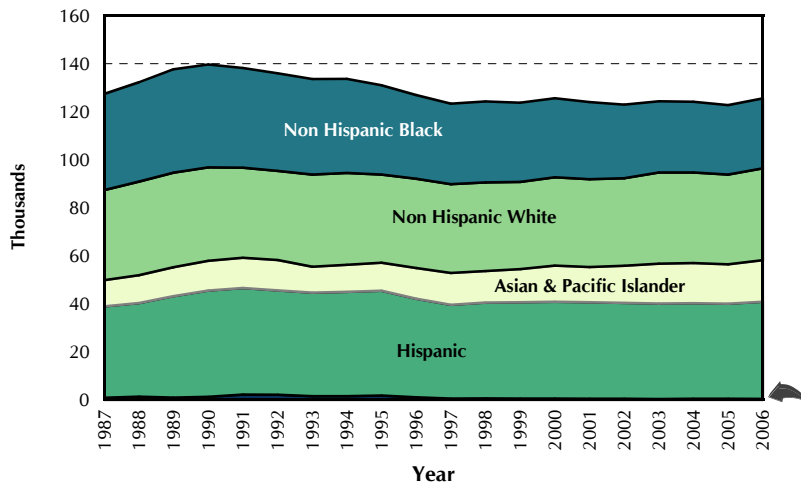
Map 2. Percent of Live Births to Foreign-born Mothers by Community District of Residence New York City, 2006

Fifty-two percent of live births in New York City in 2006 were to foreign-born women. The distribution among New York City boroughs was 71.1% in Queens, 50.4% in Brooklyn, 49.9% in the Bronx, 45.5% in Manhattan, and 35.8% in Staten Island.

Community districts in the highest quintile of births to foreign-born women were Elmhurst/Corona at 89.2%, followed by Jackson Heights at 85.6%, Sunnyside/Woodside at 82.1%, Flushing at 80.7%, Sunset Park at 77.0%, Woodhaven at 72.6%, Bensonhurst at 72.3%, Rego Park/Forest Hills at 72.1%, Astoria/Long Island City at 67.5%, Fresh Meadows/Briarwood at 67.3%, and Howard Beach at 66.9%.

Only three community districts had less than 30% of their births to foreign-born women: Tottenville at 18.4%, Williamsburg/Greenpoint at 21.9%, and Park Slope at 25.9%.

See Table 36 on page 51 for additional rates.



**Figure 23. Live Births by Mother's Ethnic Group
New York City, 1987-2006**

The number of live births registered in New York City rose about 10%, from 123,986 in 1987 to 139,630 in 1990, the highest number since 1970. After 1990, live births declined about 10% and stabilized at the 123,000 to 125,000 level since 1997. Since 1990, there have been 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 2006, births to non-Hispanic white mothers declined about 3%, and to non-Hispanic black mothers declined 32%. From 1987 to 2006, births to Asian and Pacific Islander women increased 59%, while the population of Asian and Pacific Islanders increased 2.6-fold from about 230,000 in 1980 to over 489,000 in 1990 and 827,000 in 2000.

Other or Unknown

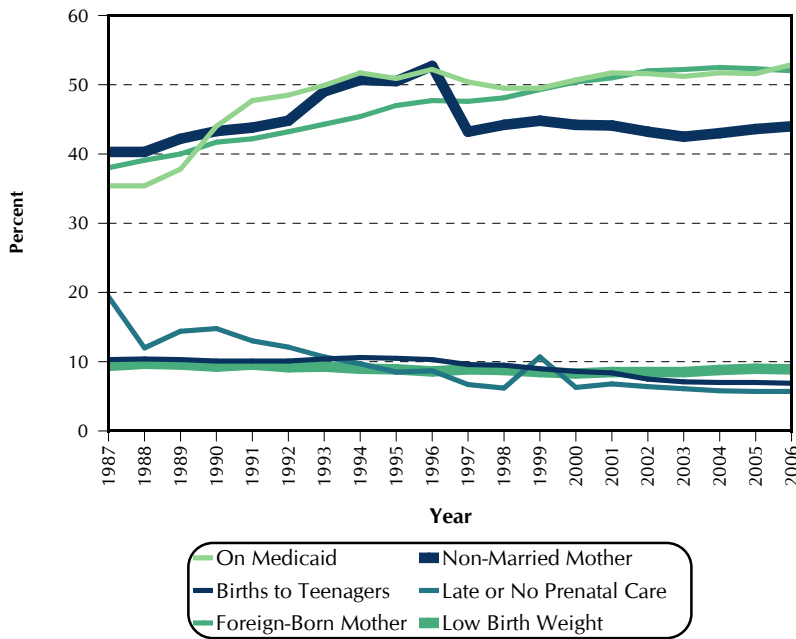


Figure 24. Percent of Live Births with Specified Characteristics, New York City, 1987-2006

The percent of live births to foreign-born mothers has increased steadily in the past two decades, from 38 in 1987 to 52 in 2006, 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 remained stable for the past 20 years. The percent of late or no prenatal care has trended downward, from 19.4 in 1987 to 5.7 in 2006. The percent of mothers who were not married when they delivered a baby increased from 1987 to 1996. Note that the method used to compute mother's marital status was changed in 1997, which caused 18% drop from 1996 to 1997. In a sample tested using both old and new methods, unmarried mothers declined 19.2%. See the Special Note On Mother's Marital Status, Summary of Vital Statistics, 1997, pp.32-33. The percent of non-married mothers decreased slightly since 1999, largely due to the decline of teenage mothers, who are more likely to be not married.

Table 37.

**Live Births by Mother's Birthplace and Borough of Residence
New York City, 2006**

Birthplace*	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Bangladesh.....	1,643	53	248	365	953	8	16	-
China.....	6,558	1,478	83	2,775	1,913	98	211	-
Colombia.....	1,054	88	41	93	728	30	74	-
Cuba.....	47	10	11	3	14	-	9	-
Dominican Republic.....	7,771	1,994	3,335	1,207	977	63	195	-
Ecuador.....	3,150	228	382	567	1,873	31	69	-
El Salvador.....	849	57	109	151	452	8	72	-
Germany.....	309	143	12	77	30	5	42	-
Guyana.....	2,310	26	218	802	1,154	20	90	-
Haiti.....	1,573	65	54	983	332	13	126	-
Honduras.....	842	61	349	199	183	26	24	-
India.....	1,585	162	66	124	900	60	273	-
Ireland.....	271	47	25	19	114	6	60	-
Israel.....	1,171	224	31	586	159	44	127	-
Italy.....	230	80	2	55	39	23	31	-
Jamaica.....	3,188	101	825	1,275	764	37	186	-
Korea.....	931	194	19	53	513	21	131	-
Mexico.....	8,194	955	1,726	2,572	2,330	546	65	-
Pakistan.....	1,160	40	64	487	436	42	91	-
Philippines.....	813	102	50	69	395	60	137	-
Poland.....	893	53	11	326	399	57	47	-
Puerto Rico.....	1,743	221	882	379	149	49	63	-
Russia.....	925	120	23	441	187	65	89	-
Trinidad and Tobago.....	1,898	46	103	1,097	565	34	53	-
Ukraine.....	776	75	9	471	72	87	62	-
United States.....	58,121	10,732	9,655	19,327	7,743	3,666	6,994	4
Other or Not Stated.....	17,501	2,881	2,941	5,593	4,114	707	1,262	3
Total.....	125,506	20,236	21,274	40,096	27,488	5,806	10,599	7

*Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when two birthplaces were included in "Other or Not Stated".

Table 38.

**Live Births by Mother's Birthplace and Age of Mother
New York City, 2006**

Birthplace*	Total	Age						Unknown
		Under 20	20-24	25-29	30-34	35-39	40 & Over	
Bangladesh.....	1,643	25	367	617	457	151	26	-
China.....	6,558	48	1,409	2,403	1,713	799	186	-
Colombia.....	1,054	57	172	267	279	199	80	-
Cuba.....	47	1	3	8	18	9	8	-
Dominican Republic.....	7,771	618	1,844	2,271	1,770	1,006	262	-
Ecuador.....	3,150	221	710	884	751	437	147	-
El Salvador.....	849	52	205	260	204	105	23	-
Germany.....	309	1	25	34	114	101	34	-
Guyana.....	2,310	104	386	695	606	398	121	-
Haiti.....	1,573	37	202	417	486	323	108	-
Honduras.....	842	63	227	241	181	93	37	-
India.....	1,585	9	190	571	567	214	34	-
Ireland.....	271	1	11	27	110	89	33	-
Israel.....	1,171	24	182	302	399	216	48	-
Italy.....	230	1	5	29	94	76	25	-
Jamaica.....	3,188	152	657	823	786	550	220	-
Korea.....	931	4	24	193	442	226	42	-
Mexico.....	8,194	869	2,564	2,463	1,568	618	112	-
Pakistan.....	1,160	23	226	402	302	171	36	-
Philippines.....	813	14	45	176	278	227	73	-
Poland.....	893	14	128	357	276	96	22	-
Puerto Rico.....	1,743	215	423	482	313	211	99	-
Russia.....	925	8	88	297	323	172	37	-
Trinidad and Tobago.....	1,898	107	453	523	429	290	96	-
Ukraine.....	776	6	67	278	266	127	32	-
United States.....	58,121	5,491	12,798	13,305	14,032	9,798	2,697	-
Other & Not Stated.....	17,501	530	2,427	4,407	5,543	3,519	1,074	1
Total.....	125,506	8,695	25,838	32,732	32,307	20,221	5,712	1

*Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when two birthplaces were included in "Other or Not Stated".

Table 39.

**Live Births to Teenagers (Age Under 20) by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 2006**

Health Center District of Residence	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry Hispanic		Foreign Born Mother*	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**
			Puerto Rican	Other Hispanic										
NEW YORK CITY	8,695	6.9	18.7	37.0	33.8	85.8	10.5	11.1	89.0	80.5	64	7.4	39	4.5
MANHATTAN	1,166	5.8	20.9	45.4	30.6	85.3	11.2	10.9	91.2	91.5	8	6.9	2	1.7
Central Harlem	245	12.5	11.4	20.4	18.0	84.9	15.5	13.5	92.2	90.2	2	8.2	1	4.1
East Harlem	223	11.2	35.9	34.1	26.5	84.3	11.7	11.2	91.0	91.0	1	4.5	-	-
Kips Bay-Yorkville	25	0.8	20.0	12.0	16.0	96.0	-	8.0	96.0	84.0	1	40.0	-	-
Lower East Side	136	4.7	45.6	22.8	15.4	89.0	10.3	12.5	89.7	89.7	1	7.4	1	7.4
Lower West Side	63	1.6	23.8	23.8	23.8	87.3	9.5	11.1	88.9	77.8	-	-	-	-
Riverside	79	3.2	30.4	34.2	19.0	82.3	13.9	10.1	96.2	96.2	1	12.7	-	-
Washington Heights	395	10.1	7.6	82.8	50.4	84.6	9.1	8.9	90.1	94.9	2	5.1	-	-
BRONX	2,514	11.8	30.3	37.4	28.1	86.0	10.5	8.0	94.1	78.4	18	7.2	14	5.6
Fordham-Riverdale	409	10.1	23.7	51.8	33.5	85.1	11.7	6.8	92.2	78.5	7	17.1	5	12.2
Morrisania	448	13.4	34.4	34.4	25.4	87.3	12.9	8.5	95.3	73.9	2	4.5	2	4.5
Mott Haven	363	15.3	38.0	35.0	21.8	85.4	9.1	9.9	95.3	85.4	5	13.8	5	13.8
Pelham Bay	304	10.2	21.1	18.4	28.6	89.5	9.2	10.5	95.1	87.8	-	-	-	-
Tremont	579	13.2	26.1	46.3	30.6	85.7	11.1	6.2	94.3	69.4	3	5.2	1	1.7
Westchester	411	10.0	38.2	30.2	27.3	83.7	7.8	7.3	92.7	83.0	1	2.4	1	2.4
BROOKLYN	2,809	7.0	13.7	28.4	32.5	86.4	10.7	11.4	86.1	84.2	20	7.1	14	5.0
Bay Ridge	132	3.2	12.9	40.2	55.3	84.8	9.1	16.7	63.6	78.8	-	-	-	-
Bedford	350	10.0	7.1	10.3	20.0	86.0	11.4	10.9	94.3	82.6	4	11.4	2	5.7
Brownsville	528	11.2	12.9	11.0	20.6	87.3	16.1	14.4	94.5	84.3	7	13.3	7	13.3
Bushwick	461	13.0	25.8	43.6	34.7	85.2	8.9	10.8	94.1	81.8	4	8.7	3	6.5
Flatbush	445	5.5	5.2	25.2	42.5	86.3	10.8	13.3	85.4	86.7	3	6.7	1	2.2
Fort Greene	174	7.4	10.9	25.9	23.0	88.5	10.3	12.1	92.5	87.9	-	-	-	-
Gravesend	231	6.1	14.7	29.0	39.0	89.2	9.5	10.4	72.3	85.7	-	-	-	-
Red Hook-Gowanus	83	5.3	37.3	22.9	18.1	84.3	9.6	8.4	92.8	81.9	-	-	-	-
Sunset Park	247	4.7	10.1	62.8	57.5	83.0	5.7	5.3	74.5	88.3	1	4.0	1	4.0
Williamsburg-Greenpoint	158	5.0	15.2	33.5	15.2	89.9	8.2	6.3	64.6	80.4	1	6.3	-	-
QUEENS	1,683	6.1	7.5	48.4	49.0	85.6	9.9	16.0	86.8	74.4	13	7.7	6	3.6
Astoria-Long Island City	174	5.6	7.5	51.1	47.1	81.6	8.0	19.0	83.9	82.2	-	-	-	-
Corona	446	7.1	0.7	89.0	74.2	82.1	7.8	19.1	86.8	88.8	4	9.0	2	4.5
Flushing	126	2.7	8.7	46.8	41.3	95.2	8.7	10.3	82.5	73.0	2	15.9	1	7.9
Jamaica East	380	8.7	5.0	16.6	32.6	89.7	11.6	17.4	93.2	66.3	3	7.9	1	2.6
Jamaica West	421	7.6	13.8	33.3	41.8	83.4	12.4	13.8	85.5	61.5	2	4.8	-	-
Maspeth-Forest Hills	136	3.9	16.9	48.5	44.1	88.2	8.1	11.0	80.9	80.9	2	14.7	2	14.7
RICHMOND	348	6.0	22.4	28.2	30.5	83.3	8.6	8.3	85.9	71.0	5	14.4	3	8.6
NEW YORK CITY RESIDENTS	8,520	7.4	18.7	37.3	34.1	85.8	10.5	11.1	89.3	81.0	64	7.5	39	4.6
NON-RESIDENTS	175	1.7	16.6	22.3	21.1	82.3	12.6	8.6	74.3	56.6	-	-	-	-
RESIDENCE UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: 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.

* Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

**Rate per 1,000 live births to teenagers.

Table 40.

Live Births to Teenagers (Age Under 20) by Selected Characteristics, New York City, 1993-2006

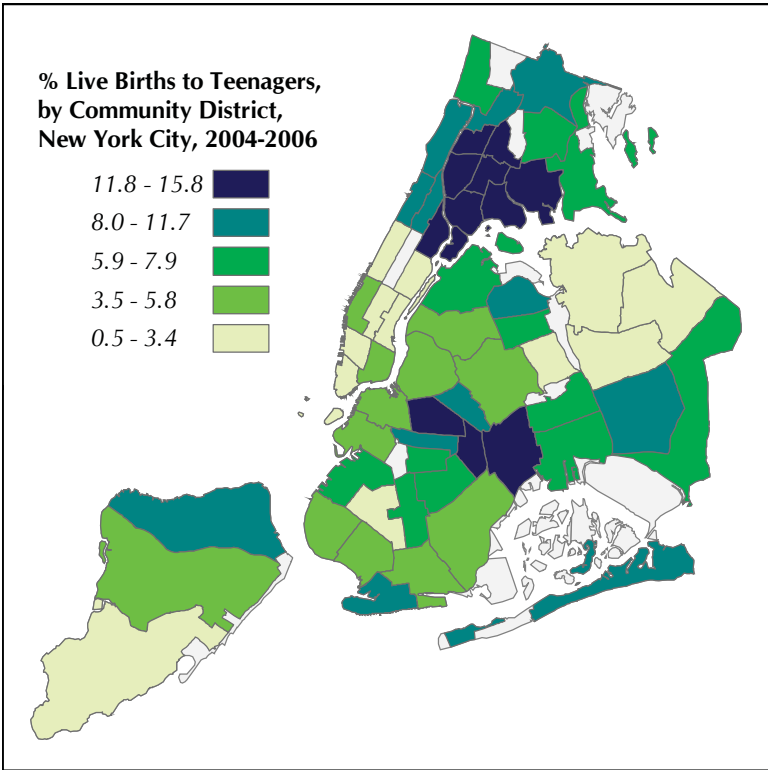
	Year													
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Live Births	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563	124,023	122,937	124,345	124,099	122,725	125,506
Percent to Teenagers	10.4	10.6	10.5	10.3	9.6	9.5	9.0	8.6	8.4	7.5	7.1	7.0	7.0	6.9
Population (Female Age 15-19)	242,574	244,360	246,159	247,972	249,798	251,637	253,490	255,356	255,838	256,460	257,277	260,126	265,623	267,830
Birth Rate* (Age 15-19)	55.5	56.4	54.5	51.2	46.3	46.0	43.1	41.5	39.9	35.4	33.9	32.9	31.8	32.1
Births to Teenagers	13,848	14,156	13,713	13,020	11,793	11,789	11,145	10,800	10,386	9,240	8,831	8,702	8,579	8,695
Percent of Births with Specified Characteristics:														
Puerto Rican	25.6	23.4	22.2	22.3	22.2	22.5	21.3	19.6	18.1	18.4	18.3	18.7	18.4	18.7
Other Hispanic	21.6	23.8	28.2	27.2	27.2	28.7	30.7	32.8	35.0	34.0	35.9	36.6	37.0	37.0
Foreign Born Mother**	27.9	28.6	30.8	31.3	32.5	32.1	33.5	35.1	36.5	36.4	36.4	35.8	36.1	33.8
First Live Birth	77.9	77.5	78.2	80.2	81.5	81.8	82.2	82.9	84.4	84.0	84.4	84.8	84.8	85.8
Under 2,500 Grams	11.1	10.7	10.6	9.7	10.8	10.3	10.3	9.7	10.1	10.4	9.7	10.2	10.1	10.5
Prenatal Care in First														
6 Months of Pregnancy	66.1	69.5	71.3	71.7	67.3	68.8	69.8	77.7	80.7	83.2	85.6	86.9	86.1	85.5
Not Married	88.1	89.8	89.3	90.8	87.3	88.6	89.0	89.1	88.1	88.4	88.6	88.5	88.7	89.0
On Medicaid	79.4	80.6	78.6	81.5	80.2	78.5	77.7	79.3	81.7	80.1	80.5	81.6	80.0	80.5
Infant Mortality Rate#	11.9	9.9	12.3	9.4	9.5	7.5	8.5	8.3	7.4	9.2	8.5	9.9	6.1	7.4

*Birth rate per 1,000 women aged 15-19. Intercensal population data for 1993-1999 are interpolated. 2001-2006 population data are from U.S. Census Bureau's estimates as of October 2007.

See Technical Notes: Population.

**Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

Infant mortality rate per 1,000 live births to teenagers.



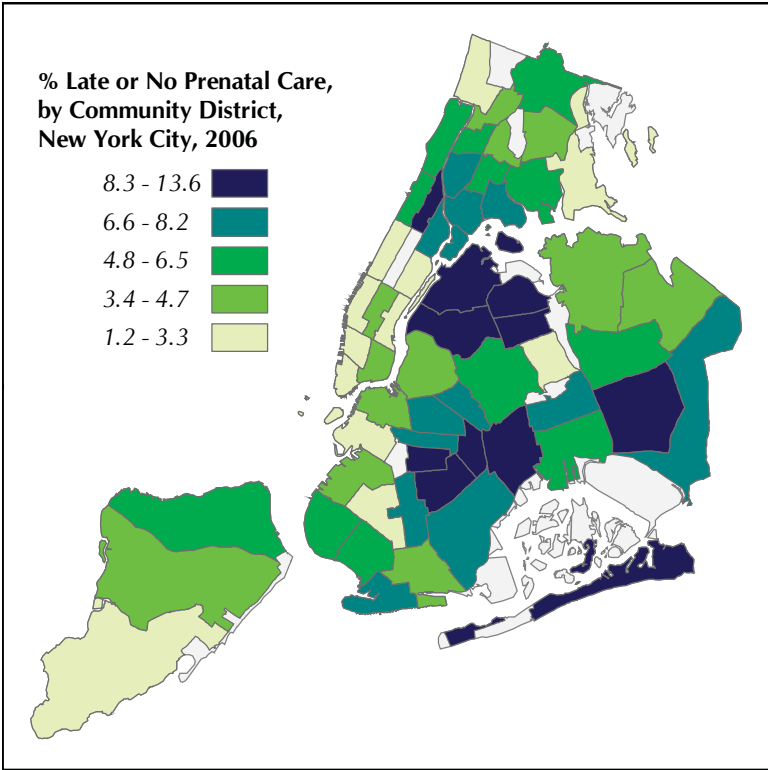
Map 3. Percent of Live Births to Teenagers (Age <20) by Community District of Residence New York City, 2004-2006

Three-year averages were used in this map because of the relatively small number of births per year to teenage mothers in some community districts.

The community districts with the highest percent of births to teenagers were Mott Haven and Hunts Point at 15.8%. Other community districts in the highest quintile were East Tremont at 14.9%, Morrisania at 14.7%, Brownsville at 14.6%, East Harlem at 14.2%, University/Morris Heights at 13.0%, Bedford Stuyvesant at 12.4%, East New York at 12.2%, Concourse/Highbridge at 12.1%, and Unionport/Soundview at 11.9% .

Seven community districts had less than 2% of their births to teenagers: Battery Park/Tribeca at 0.5%, Murray Hill at 0.6%, Greenwich Village/SOHO at 0.7%, Upper East Side at 1.2%, Tottenville and Bayside at 1.4%, and Rego Park/Forest Hills at 1.5%.

See Table 41 on page 59 for additional rates.



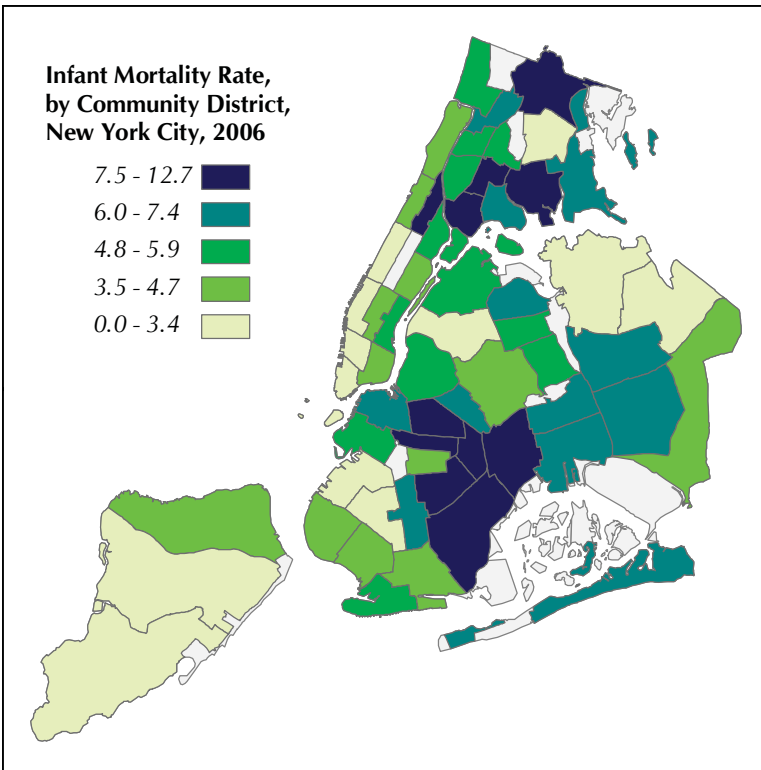
Map 4. Percent Late or No Prenatal Care by Community District of Residence New York City, 2006

The community district with the highest percent of births to mothers who received late or no prenatal care was Jackson Heights at 13.6%. Other community districts in the highest quintile were Elmhurst/Corona at 12.0%, Jamaica/St. Albans at 11.1%, Sunnyside/Woodside at 10.7%, The Rockaways at 10.3%, Central Harlem at 10.5%, Astoria/Long Island City at 10.2%, East Flatbush at 9.4%, Brownsville at 9.3%, and Crown Heights South at 8.4%.

The community district with the lowest percent of births to mothers who received late or no prenatal care was Upper East Side at 1.2%. Other community districts in the lowest quintile are Park Slope at 1.9%, Battery Park/Tribeca at 2.1%, Tottenville at 2.4%, Murray Hill at 2.5%, Riverdale and Upper West Side at 2.6%, Borough Park at 3.0%, Rego Park/Forest Hills at 3.1%, and Throgs Neck, Williamsburg/Greenpoint, and Chelsea/Clinton at 3.3%.

See Table 36 on page 51 for additional rates.

**Map 5. Infant Mortality Rate
by Community District of Residence
New York City, 2006**



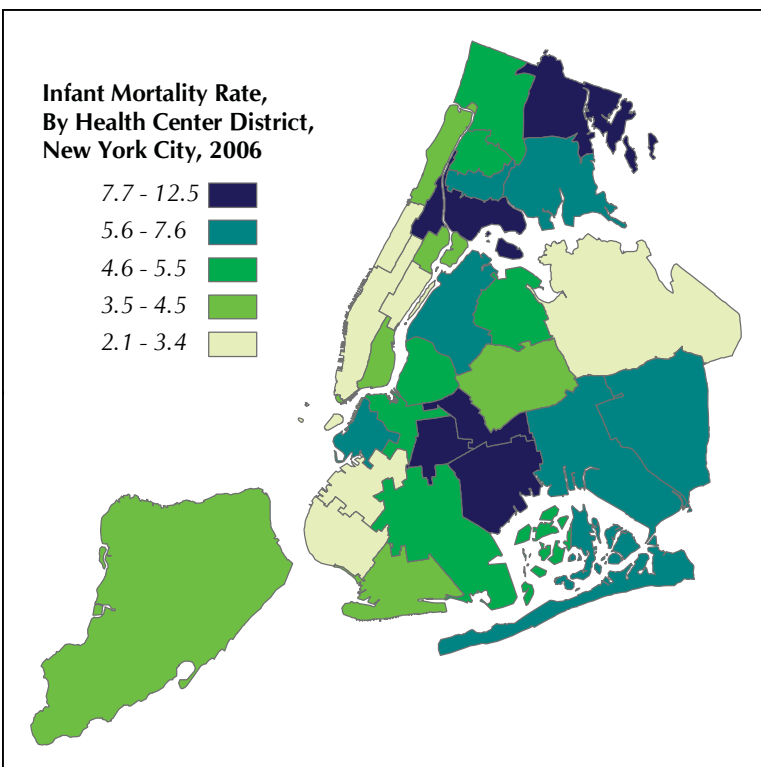
The community district with the highest Infant Mortality Rate (IMR) in 2006 was Mott Haven at 12.7 infant deaths per 1,000 live births. Other community districts in the highest quintile are Williamsbridge at 11.6, Central Harlem and Brownsville at 11.0, East New York at 10.5, Crown Heights North at 9.8, Morrisania at 9.6, Bedford Stuyvesant at 9.1, Canarsie at 8.4, East Flatbush at 8.3, and Unionport/Soundview at 7.9.

All twenty-four community districts in the two lowest quintiles met the TCNY 2008 goal of 5.0 deaths per 1,000 live births.

Three community districts were below 5.0 but above the Healthy People 2010 goal of 4.5 infant deaths per 1,000 live births. These were Rego Park/Forest Hills and Concourse/Highbridge at 4.8, and Bay Ridge, Elmhurst/Corona, and Queens Village at 4.7. The remaining community districts in the lowest two quintiles met the Healthy People 2010 goal of 4.5 infant deaths per 1,000 live births.

See Table 36 on page 51 for additional rates.

**Map 6. Infant Mortality Rate
by Health Center District of Residence
New York City, 2006**

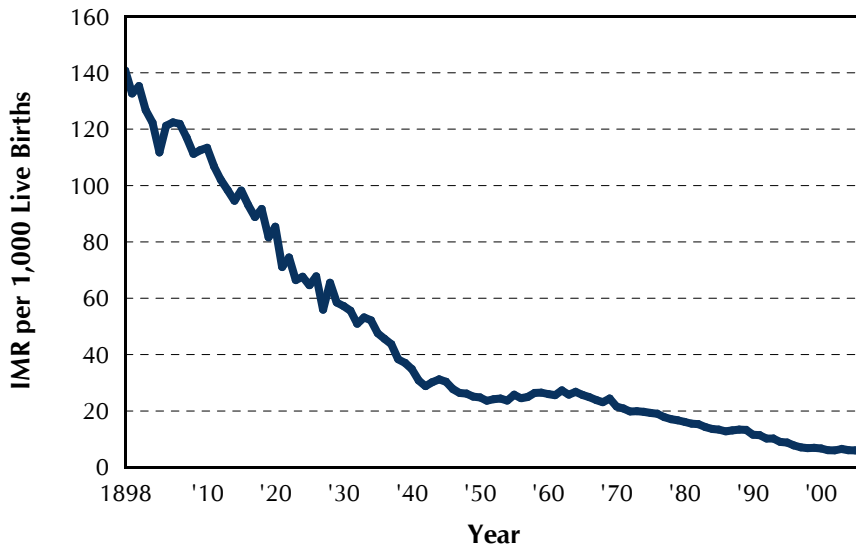


The health center district with the highest Infant Mortality Rate (IMR) in 2006 was Brownsville at 12.5 infant deaths per 1,000 live births. Other health center districts in the highest quintile were Mott Haven at 11.4, Central Harlem at 11.2, Pelham Bay at 9.0, Bushwick at 8.2, and Bedford at 8.0.

All health center districts in the two lowest quintiles have met both the "Take Care New York" (TCNY) 2008 goal and the Healthy People 2010 goal of 5.0 and 4.5 infant deaths per 1,000 live births respectively.

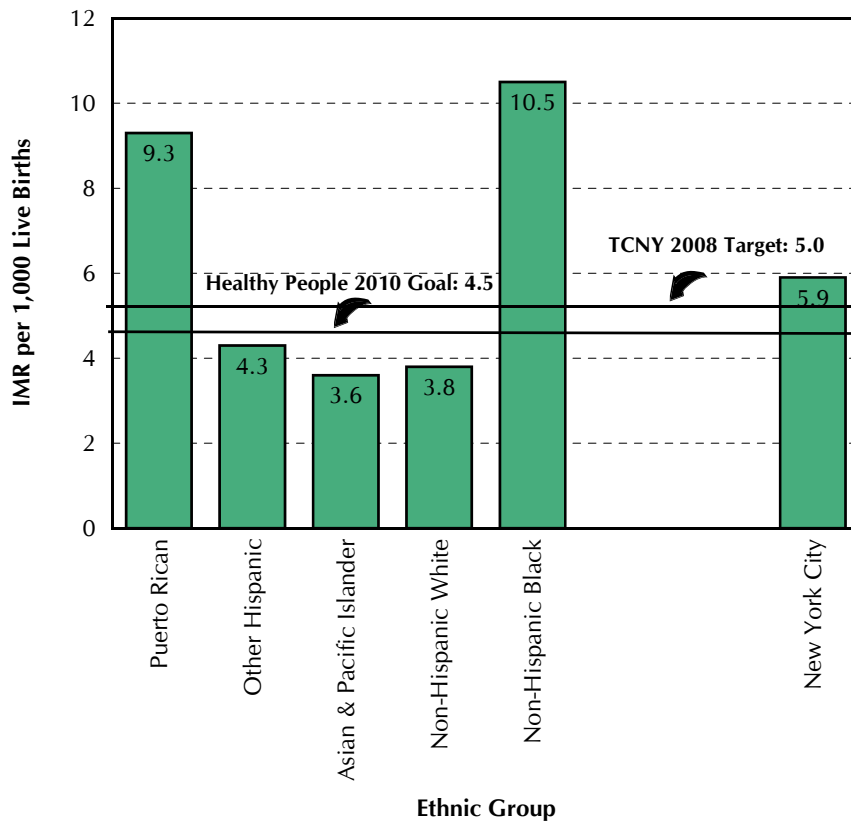
The only health center district that fell below 5.0 but above the Healthy People 2010 goal of 4.5 infant deaths per 1,000 live births was Flatbush at 4.8.

See Table 34 on page 50 for additional rates.



**Figure 25. Infant Mortality Rate
New York City, 1898-2006**

The Infant Mortality Rate (IMR) was first estimated for New York City in 1898 when its boundaries were extended to include all five boroughs. That year the IMR was estimated to be 140.9 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 advances in access to medical care in recent years, have contributed to a decline to 5.9 deaths per 1,000 live births in 2006. This is an historical low for New York City.



**Figure 26. Infant Mortality Rate by Ethnic Group
New York City, 2006**

The "Take Care New York" (TCNY) 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 ethnic group. Non-Hispanic whites, Asian and Pacific Islanders and Other Hispanics have already met the TCNY goal in 2006 with IMRs of 3.8, 3.6 and 4.3 deaths per 1,000 live births, respectively. However, IMRs remain high among Puerto Ricans at 9.3 deaths per 1,000 live births and Non-Hispanic blacks at 10.5 deaths per 1,000 live births. The citywide infant mortality rate in 2006 was 5.9 infant deaths per 1,000 live births, an historic low.

Table 41.

**Live Births to Teenagers (Age Under 20) by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 2004-2006***

Community District of Residence	Live Births	Percent of Total Live Births	Percent of Total Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born**	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	25,976	7.0	18.6	36.9	35.2	85.1	10.3	10.9	88.7	80.7	202	7.8	132	5.1
MANHATTAN	3,533	5.9	21.5	45.1	32.0	83.4	10.6	10.4	92.2	90.9	26	7.4	13	3.7
Battery Park, Tribeca (01)	11	0.5	9.1	36.4	36.4	72.7	-	9.1	90.9	63.6	-	-	-	-
Greenwich Village, SOHO (02)	19	0.7	15.8	31.6	42.1	94.7	-	10.5	89.5	84.2	-	-	-	-
Lower East Side (03)	372	5.5	47.3	16.9	19.1	84.1	11.3	8.6	87.1	87.9	3	8.1	2	5.4
Chelsea, Clinton (04)	116	4.4	33.6	27.6	21.6	85.3	12.1	12.1	81.9	84.5	1	8.6	1	8.6
Midtown Business District (05)	49	3.4	20.4	14.3	14.3	87.8	2.0	16.3	100.0	91.8	-	-	-	-
Murray Hill (06)	21	0.6	33.3	19.0	23.8	95.2	9.5	28.6	90.5	81.0	-	-	-	-
Upper West Side (07)	188	2.2	27.1	33.5	22.3	80.9	9.0	8.0	95.2	83.5	1	5.3	-	-
Upper East Side (08)	99	1.2	23.2	14.1	11.1	89.9	13.1	9.1	96.0	81.8	2	20.2	1	10.1
Manhattanville (09)	467	10.3	12.6	60.4	38.8	80.5	10.7	9.6	93.8	92.5	5	10.7	2	4.3
Central Harlem (10)	577	11.3	10.6	21.5	22.2	85.1	13.5	15.3	93.6	89.6	4	6.9	2	3.5
East Harlem (11)	752	14.2	34.7	34.4	25.4	83.8	11.0	10.5	93.4	92.6	6	8.0	4	5.3
Washington Heights (12)	862	9.8	7.9	85.5	52.9	82.3	8.5	7.8	91.5	94.8	4	4.6	1	1.2
BRONX	7,533	11.9	30.6	36.9	29.6	84.9	10.5	8.5	92.9	79.2	57	7.6	42	5.6
Mott Haven (01)	766	15.8	39.9	34.5	24.0	84.2	12.3	10.3	93.7	84.9	6	7.8	5	6.5
Hunts Point (02)	416	15.8	37.0	41.6	29.1	85.6	10.6	11.1	94.5	85.3	2	4.8	2	4.8
Morrisania (03)	577	14.7	35.4	24.4	16.1	81.8	11.8	6.8	96.2	69.5	4	6.9	1	1.7
Concourse, Highbridge (04)	1,050	12.1	24.7	46.9	38.4	84.2	10.1	9.9	90.8	75.0	8	7.6	8	7.6
University/Morris Heights (05)	978	13.0	25.9	45.3	30.5	84.8	10.2	6.0	95.2	68.1	7	7.2	4	4.1
East Tremont (06)	626	14.9	35.6	32.4	24.6	83.4	9.1	7.7	92.7	63.1	4	6.4	3	4.8
Fordham (07)	776	10.4	25.5	52.6	36.7	85.4	10.6	7.6	89.0	85.4	9	11.6	7	9.0
Riverdale (08)	235	7.0	22.6	57.0	35.3	87.2	11.1	6.8	91.5	85.5	2	8.5	1	4.3
Unionport, Soundview (09)	932	11.9	36.6	33.2	27.8	84.4	10.0	7.7	93.8	85.3	8	8.6	7	7.5
Throgs Neck (10)	186	6.6	47.3	16.7	18.3	85.5	8.6	5.9	89.2	87.6	3	16.1	2	10.8
Pelham Parkway (11)	325	7.9	28.3	28.9	32.3	85.2	8.3	12.0	87.7	88.0	1	3.1	1	3.1
Williamsbridge (12)	666	11.3	20.0	13.2	31.2	89.5	12.0	10.1	95.5	90.1	3	4.5	1	1.5
BROOKLYN	8,416	7.1	13.1	28.1	33.9	85.5	10.2	10.8	85.9	83.7	63	7.5	43	5.1
Williamsburg, Greenpoint (01)	472	5.1	16.7	36.7	20.8	88.1	8.7	7.8	66.1	85.0	2	4.2	1	2.1
Fort Greene, Brooklyn Heights (02)	200	5.8	11.5	27.5	19.0	87.0	11.0	9.5	91.5	90.0	-	-	-	-
Bedford Stuyvesant (03)	847	12.4	10.4	16.3	18.1	83.4	12.5	11.1	93.6	86.7	6	7.1	4	4.7
Bushwick (04)	739	11.7	26.9	50.6	38.6	84.3	6.9	10.6	94.2	90.7	6	8.1	4	5.4
East New York (05)	1,038	12.2	20.4	22.4	24.7	84.9	11.9	13.9	93.5	77.6	12	11.6	8	7.7
Park Slope (06)	202	4.5	32.7	31.7	22.3	82.2	8.4	4.5	91.1	86.6	-	-	-	-
Sunset Park (07)	611	7.7	15.4	70.2	58.9	81.0	6.9	5.7	86.7	83.5	5	8.2	4	6.5
Crown Heights North (08)	403	9.2	6.5	10.9	22.3	85.1	10.9	13.4	96.8	86.6	3	7.4	2	5.0
Crown Heights South (09)	326	6.4	4.6	11.3	42.0	87.7	12.0	13.2	94.2	88.3	5	15.3	4	12.3
Bay Ridge (10)	173	3.5	12.7	34.7	55.5	83.8	9.2	12.1	63.0	67.1	-	-	-	-
Bensonhurst (11)	234	3.5	8.5	45.3	54.3	84.6	6.8	9.8	72.2	79.9	1	4.3	1	4.3
Borough Park (12)	447	3.2	4.9	34.7	43.4	89.5	5.4	6.3	48.3	72.5	1	2.2	-	-
Coney Island (13)	332	9.4	22.3	27.7	26.8	90.7	13.0	6.9	77.7	88.3	3	9.0	3	9.0
Flatbush, Midwood (14)	518	6.2	3.1	36.7	52.5	87.6	8.5	10.2	85.9	87.6	5	9.7	3	5.8
Sheepshead Bay (15)	283	4.8	6.0	23.7	53.0	82.3	6.0	9.2	60.4	73.5	1	3.5	1	3.5
Brownsville (16)	633	14.6	13.7	9.8	15.5	84.2	16.0	12.5	97.3	87.0	4	6.3	4	6.3
East Flatbush (17)	548	7.8	3.3	7.8	43.6	86.9	12.4	14.2	93.2	87.4	7	12.8	3	5.5
Canarsie (18)	408	5.4	6.4	9.8	29.9	89.2	10.8	15.4	90.0	78.4	2	4.9	1	2.5
QUEENS	5,020	6.1	8.5	48.3	49.6	86.3	9.6	16.0	86.8	75.8	41	8.2	24	4.8
Astoria, Long Island City (01)	411	6.1	9.5	48.2	45.7	84.4	8.5	19.7	83.7	84.4	1	2.4	1	2.4
Sunnyside, Woodside (02)	199	4.5	6.0	79.4	65.8	82.4	4.5	20.1	84.4	84.9	3	15.1	1	5.0
Jackson Heights (03)	679	8.1	1.9	90.3	73.6	84.4	7.5	18.4	86.9	89.7	3	4.4	1	1.5
Elmhurst, Corona (04)	572	6.4	1.9	87.1	75.3	83.2	6.8	18.0	84.4	87.8	3	5.2	3	5.2
Ridgewood, Glendale (05)	352	5.6	21.3	50.6	41.5	88.4	8.5	12.8	84.1	83.5	3	8.5	2	5.7
Rego Park, Forest Hills (06)	57	1.5	14.0	22.8	59.6	89.5	5.3	19.3	59.6	56.1	-	-	-	-
Flushing (07)	228	3.1	5.7	59.2	53.9	92.5	10.1	12.7	82.9	75.9	2	8.8	1	4.4
Fresh Meadows, Briarwood (08)	171	3.2	13.5	30.4	42.7	91.8	10.5	10.5	77.8	76.6	3	17.5	1	5.8
Woodhaven (09)	391	6.5	14.1	48.6	51.4	84.9	10.2	10.7	75.7	54.5	2	5.1	2	5.1
Howard Beach (10)	289	6.4	13.8	27.0	51.9	86.9	11.4	11.8	84.4	57.1	4	13.8	3	10.4
Bayside (11)	29	1.4	10.3	44.8	37.9	86.2	3.4	10.3	82.8	82.8	-	-	-	-
Jamaica, St. Albans (12)	883	9.9	6.6	20.8	34.5	87.4	12.2	14.3	94.6	66.0	11	12.5	7	7.9
Queens Village (13)	331	6.3	5.1	12.1	32.6	89.4	11.2	18.1	95.2	69.8	2	6.0	-	-
The Rockaways (14)	428	10.9	13.8	17.5	20.6	85.7	12.6	20.1	95.1	78.0	4	9.3	2	4.7
STATEN ISLAND	1,009	5.9	18.1	30.7	34.0	82.7	10.3	8.4	86.2	68.2	12	11.9	8	7.9
Port Richmond (01)	742	9.8	19.7	36.5	38.0	79.9	10.6	9.0	88.0	72.6	8	10.8	5	6.7
Willowbrook, South Beach (02)	189	4.4	17.5	16.9	24.3	92.6	9.5	5.3	82.5	56.6	4	21.2	3	15.9
Tottenville (03)	74	1.4	5.4	9.5	20.3	85.1	9.5	10.8	79.7	55.4	-	-	-	-

Note: 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 of percent of live births to teenagers by community district of residence is presented on page 56 (map 3).

*Three years' data were combined because of the relatively small number of infant deaths per year for teenage mothers.

** Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States, a change from 1996-2005 when those two birthplaces were included in foreign category.

Rate per 1,000 live births.

Table 42a.

Live Births and Infant Deaths by Birth Weight, Ethnic Group*, and Age, New York City, 2006

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.....	125	33	22	59	11	-	110	32	20	48	10	-	103	29	20	44	10	-	98	29	19	40	10	-
500-999.....	862	267	179	354	58	4	254	79	40	122	12	1	200	62	37	90	10	1	148	47	28	67	5	1
1000-1499.....	1,069	343	246	381	93	6	53	18	12	18	5	-	40	14	10	13	3	-	25	8	6	8	3	-
1500-1999.....	2,198	603	562	744	280	9	39	15	7	12	4	1	26	10	5	7	3	1	20	9	3	6	1	1
2000-2499.....	6,891	2,081	1,743	2,067	962	38	63	13	12	30	7	1	31	6	11	10	4	-	17	3	7	5	2	-
Less than 2500.....	11,145	3,327	2,752	3,605	1,404	57	519	157	91	230	38	3	400	121	83	164	30	2	308	96	63	126	21	2
2500-2999.....	25,011	7,607	6,556	6,653	4,091	104	71	16	14	33	8	-	31	7	5	15	4	-	20	7	3	8	2	-
3000-3499.....	50,342	16,359	15,247	11,151	7,410	175	57	21	7	20	9	-	20	7	4	6	3	-	9	3	1	3	2	-
3500-3999.....	30,960	10,393	10,723	6,103	3,667	74	30	7	9	11	3	-	7	1	3	1	2	-	5	1	1	1	2	-
4000-4499.....	7,007	2,361	2,590	1,353	683	20	12	3	6	2	1	-	5	1	3	-	1	-	4	1	2	-	1	-
4500-4999.....	946	334	334	186	92	-	1	1	-	-	-	-	1	1	-	-	-	-	1	1	-	-	-	-
5000 & Over.....	94	30	29	26	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 & Over.....	114,360	37,084	35,479	25,472	15,952	373	171	48	36	66	21	-	64	17	15	22	10	-	39	13	7	12	7	-
Not stated.....	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unmatched**.....	-	-	-	-	-	-	50	18	18	8	3	3	20	7	7	4	1	1	15	6	5	2	1	1
Total.....	125,506	40,411	38,231	29,077	17,356	431	740	223	145	304	62	6	484	145	105	190	41	3	362	115	75	140	29	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 42b.

Infant Mortality Rates* by Birth Weight, Ethnic Group, and Age, New York City, 2006

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.....	880.0	**	**	**	**	824.0	**	**	**	**	784.0	**	**	**	**
500-999.....	294.7	295.9	223.5	344.6	**	232.0	232.2	206.7	254.2	**	171.7	176.0	156.4	189.3	**
1000-1499.....	49.6	52.5	48.8	47.2	**	37.4	40.8	40.7	34.1	**	23.4	23.3	24.4	21.0	**
1500-1999.....	17.7	24.9	12.5	16.1	14.3	11.8	16.6	8.9	9.4	10.7	9.1	14.9	5.3	8.1	3.6
2000-2499.....	9.1	6.2	6.9	14.5	7.3	4.5	2.9	6.3	4.8	4.2	2.5	1.4	4.0	2.4	2.1
Less than 2500.....	46.6	47.2	33.1	63.8	27.1	35.9	36.4	30.2	45.5	21.4	27.6	28.9	22.9	35.0	15.0
2500-2999.....	2.8	2.1	2.1	5.0	2.0	1.2	0.9	0.8	2.3	1.0	0.8	0.9	0.5	1.2	0.5
3000-3499.....	1.1	1.3	0.5	1.8	1.2	0.4	0.4	0.3	0.5	0.4	0.2	0.2	0.1	0.3	0.3
3500-3999.....	1.0	0.7	0.8	1.8	0.8	0.2	0.1	0.3	0.2	0.5	0.2	0.1	0.1	0.2	0.5
4000-4499.....	1.7	1.3	2.3	1.5	1.5	0.7	0.4	1.2	-	1.5	0.6	0.4	0.8	-	1.5
4500-4999.....	1.1	3.0	-	-	**	1.1	3.0	-	-	**	1.1	3.0	-	-	**
5000 & Over.....	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
2500 & Over.....	1.5	1.3	1.0	2.6	1.3	0.6	0.5	0.4	0.9	0.6	0.3	0.4	0.2	0.5	0.4
Total.....	5.9	5.5	3.8	10.5	3.6	3.9	3.6	2.7	6.5	2.4	2.9	2.8	2.0	4.8	1.7

* Rate per 1,000 live births. Births and deaths included here were registered in 2006 and do not represent a true birth cohort. ** Rate not computed where number of births is less than 100.

Table 43.

Infant Deaths by Ethnic Group*, Sex, and Age, New York City, 2006

Sex	Total	Age 28 Days and Over						Age 7 to 27 Days						Age Under 7 Days					
		Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other or Not Stated	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other or Not Stated	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other or Not Stated
		Total.....	740	256	78	40	114	21	3	122	30	30	50	12	-	362	115	75	140
Male.....	405	140	38	24	62	15	1	67	20	15	25	7	-	198	58	40	81	18	1
Female.....	335	116	40	16	52	6	2	55	10	15	25	5	-	164	57	35	59	11	2

*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.

Table 44.

Infant Deaths by Cause, Sex, and Age, New York City, 2006

	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		740	198	67	140	164	55	116
Cause of Death (ICD-10 Codes)								
# Diseases of the Circulatory System (I00-I99)	0.66	8	–	–	6	–	–	2
# Influenza and Pneumonia (J10-J18)	0.73	5	–	–	4	–	–	1
# Newborn Affected by Maternal Complications of Pregnancy (P01)	1.05	11	6	–	1	3	1	–
# Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	1.02	8	3	–	–	3	–	2
# Short Gestation and Low Birth Weight (P07)	1.11	117	34	5	16	46	4	12
# Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	1.32	6	–	1	1	3	1	–
# Respiratory Distress of Newborn (P22)	0.87	42	23	4	–	10	5	–
# Pulmonary Hemorrhage Originating in the Perinatal Period (P26)	1.53	16	9	1	–	6	–	–
# Atelectasis (P28.0-P28.1)	2.22	12	7	1	–	3	1	–
##Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)		22	4	2	5	4	1	6
##Cardiovascular Disorders Originating in the Perinatal Period (P29)		108	53	11	5	35	2	2
##Infections Specific to the Perinatal Period (P35-P39)	1.15	25	4	7	2	2	10	–
# Neonatal Hemorrhage (P50-P52, P54)	1.31	11	7	–	1	1	2	–
# Necrotizing Enterocolitis of Newborn (P77)	1.19	26	1	12	2	–	8	3
Remainder of Conditions Originating in the Perinatal Period								
(Rest of P00-P99)		37	13	4	2	18	–	–
# Congenital Malformations, Deformations (Q00-Q99)	0.93	148	33	16	28	26	14	31
Congenital Malformations of Heart (Q20-Q24)	1.01	39	7	3	9	4	7	9
# Sudden Infant Death Syndrome (R95)	1.06	10	–	–	7	–	–	3
All Other Diseases (Rest of A00-R99)		63	–	2	29	2	3	27
##External Causes (V01-Y89)	1.00	65	1	1	31	2	3	27

*The comparability ratio represents the net effects of changing from ICD-9 to ICD-10 for the selected cause or group of causes. See Technical Notes: Cause of Death, Comparability Ratio.

**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.

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.

Table 45. Infant Mortality Rate (IMR)* by Mother's Birthplace, New York City, 2001-2006

Birthplace	2001	2002	2003	2004	2005	2006
Trinidad and Tobago	10.3	6.3	4.7	8.6	6.0	9.5
Jamaica	7.2	7.6	10.3	8.3	7.8	9.4
Haiti	6.7	12.9	8.7	14.3	9.2	8.9
Pakistan	3.6	7.5	6.3	8.6	6.2	8.6
Guyana	8.0	8.5	7.8	7.4	9.2	8.2
El Salvador	3.7	4.0	4.0	0.0	6.2	8.2
Nigeria	21.5	4.2	2.6	5.6	8.9	7.9
Peru	8.2	1.7	3.3	3.4	3.5	7.2
United Kingdom	14.4	4.7	9.4	3.2	6.9	6.3
Ghana	3.5	9.0	9.3	12.2	11.3	5.9
India	5.8	1.8	3.1	4.9	5.6	4.4
Russia	1.1	1.1	2.0	4.1	4.7	4.3
Dominican Republic	5.1	3.8	5.8	4.1	5.1	4.1
Colombia	2.9	0.8	7.8	3.4	0.9	3.8
Mexico	3.3	5.2	3.8	4.7	4.4	3.7
Philippines	3.8	2.6	4.7	3.6	2.6	3.7
Honduras	4.5	9.2	4.8	2.4	5.0	3.6
Ecuador	4.8	3.2	3.4	2.6	3.5	3.5
Canada	**	**	**	7.1	3.8	3.3
Israel	4.6	4.7	1.8	5.4	0.8	2.6
Bangladesh	2.8	2.7	4.0	4.5	2.6	2.4
China	1.5	1.4	3.6	2.6	1.8	2.1
Korea	1.2	2.4	0.0	2.0	2.2	2.1
Guatemala	**	**	**	**	3.9	1.8
Poland	2.8	5.7	2.6	1.2	7.4	0.0
Ukraine	3.2	1.5	2.7	6.8	1.4	0.0
Egypt	3.7	**	**	**	**	**
Puerto Rico	7.4	9.0	8.3	4.6	7.4	12.0
United States #	6.1	6.7	6.8	6.6	5.9	6.3
New York City Total	6.1	6.0	6.5	6.1	6.0	5.9

Note: The order of foreign countries listed is according to the number of live births in most current year.

* IMR per 1,000 Live births.

** Live births are less than 500 in that year. For each year, only countries with 500 or more live births are listed.

Beginning in 2006, U.S. Virgin Islands and Guam are included in the United States.

Table 46.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1990-2006**

Mother's Ethnic Group (1)	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002**	2003	2004	2005	2006
Live Births, Total	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	122,725	125,506
Puerto Rican	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	9,922	10,111
Other Hispanic	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	29,619	30,300
Asian and Pacific Islander	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	16,407	17,356
Non-Hispanic White	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	37,340	38,231
Non-Hispanic Black	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	28,935	29,077
Other or Unknown	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639	571	516	501	499	345	457	502	431
Infant Deaths (Under 1 Year) (2) Total	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843	848	839	760	742	807	760	732	740
Puerto Rican	238	211	194	178	120	146	112	96	85	95	98	74	83	81	76	66	94
Other Hispanic	195	187	170	196	174	197	164	141	129	156	140	151	150	164	133	135	129
Asian and Pacific Islander	67	76	73	61	57	57	56	51	49	55	59	46	39	58	69	61	62
Non-Hispanic White	300	278	227	244	223	204	197	189	201	167	165	154	148	146	131	178	145
Non-Hispanic Black	797	777	676	646	598	522	448	385	363	350	366	322	311	336	342	282	304
Other or Unknown	23	46	50	41	35	29	15	19	16	25	11	13	11	22	9	10	6
Infant Mortality Rate (3) Total	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	6.0	5.9
Puerto Rican	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	6.7	9.3
Other Hispanic	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	4.6	4.3
Asian and Pacific Islander	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	3.7	3.6
Non-Hispanic White	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	4.8	3.8
Non-Hispanic Black	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	9.7	10.5
Neonatal Deaths (Under 28 Days) Total	1,091	1,089	941	917	804	811	656	605	593	606	583	524	497	542	516	481	484
Puerto Rican	155	138	138	108	67	113	72	60	60	74	59	54	59	51	47	42	54
Other Hispanic	136	136	120	136	122	143	113	107	92	113	94	112	106	110	92	93	91
Asian and Pacific Islander	44	45	50	38	42	44	35	37	34	39	45	29	26	43	45	42	41
Non-Hispanic White	222	201	157	177	158	146	139	139	139	120	119	102	100	99	89	129	105
Non-Hispanic Black	518	533	436	425	389	342	283	257	252	236	257	215	196	221	237	166	190
Neonatal Mortality Rate (3) Total	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	3.9	3.9
Puerto Rican	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	4.2	5.3
Other Hispanic	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	3.1	3.0
Asian and Pacific Islander	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	2.6	2.4
Non-Hispanic White	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	3.5	2.7
Non-Hispanic Black	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	5.7	6.5
Maternal Causes, Total *	35	24	30	20	29	26	22	17	16	24	30	41	31	22	28	21	29
Puerto Rican	1	4	2	2	4	3	1	1	1	1	—	2	—	1	—	—	3
Other Hispanic	4	2	3	2	5	7	4	2	2	3	7	7	6	1	8	5	3
Asian and Pacific Islander	1	—	1	—	2	1	1	1	1	1	1	—	—	1	4	1	5
Non-Hispanic White	2	2	6	—	6	—	4	2	2	6	2	4	7	3	1	2	—
Non-Hispanic Black	25	15	16	14	12	14	11	11	10	12	20	27	17	16	15	13	18
Maternal Mortality Ratio (4) Total	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	17.1	23.1
Puerto Rican	5.2	21.2	11.2	12.1	26.3	21.6	7.7	7.7	7.7	8.2	—	18.4	—	9.8	—	—	29.7
Other Hispanic	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	16.9	9.9
Asian and Pacific Islander	8.1	—	7.9	—	17.7	8.6	7.8	7.6	7.6	7.3	6.6	—	—	6.0	23.9	6.1	28.8
Non-Hispanic White	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	5.4	—
Non-Hispanic Black	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	44.9	61.9

* 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 and 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 Non-Hispanic White, Non-Hispanic Black and Other or Unknown based on race. See Technical Notes: Race, Ancestry, Ethnic Group, 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

Non-Hispanic whites and Non-Hispanic blacks slightly higher than those published previously, and in fewer infant deaths in Other or Unknown category.

(3) Rate per 1,000 live births.

(4) Ratio per 100,000 live births.

Table 47.

Number of Selected Reportable Diseases, New York City, 1940-2006

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
1966-1970	3,194	3,508	1,402		164	78	733	72			12,529	2,587	32,640
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	47	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	469	721	3,444	434	12,811
2003	1,140	5	2	32	28	45	994	169	448	211	3,767	531	13,468
2004	1,039	5	2	5	61	31	597	183	354	163	3,674	621	10,860
2005	984	6	1	14	40	27	812	214	277	134	3,182	616	10,596
2006	953	3	2	12	112	58	553	106	120	120	3,719	578	10,299

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.

* Includes cases of West Nile neuroinvasive disease and West Nile fever.

** Accurate diagnosis of Hepatitis A&B based on laboratory testing became available in 1977. Clinically defined cases of Hepatitis reported earlier appear in the 1998 Annual Summary and earlier. The method of counting Hepatitis B beginning 2003 was changed so that cases represent newly acquired cases of Hepatitis B. The numbers are probable or definite new cases. Data source: 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, 1980-2006

Sex/Risk Group	1980-1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Male														
Sex with Men	25,748	3,612	2,799	2,053	1,510	1,164	1,148	1,288	1,181	1,035	1,302	1,164	1,168	1,085
Injection Drug Use (IDU) History	25,573	4,408	3,559	2,676	1,941	1,368	1,265	1,225	864	613	670	558	465	379
Heterosexual Transmission	559	345	420	417	376	341	316	390	396	354	322	279	265	225
Perinatal	753	83	62	75	29	24	24	20	21	22	21	31	23	24
Other	333	60	51	45	31	33	11	19	14	*	*	7	6	*
Unknown/Under Investigation	2,888	998	1,420	1,459	1,241	958	969	1,398	1,324	1,177	1,288	923	934	836
Total	55,854	9,506	8,311	6,725	5,128	3,888	3,733	4,340	3,800	3,206	3,607	2,962	2,861	2,551
Female														
Injection Drug Use (IDU) History	8,136	1,594	1,370	1,055	826	580	512	550	365	251	260	245	195	143
Heterosexual Transmission	3,905	1,169	1,168	1,071	953	757	683	744	649	549	639	519	557	562
Perinatal	723	97	82	50	51	22	18	20	37	21	21	24	28	21
Other	203	30	36	38	31	28	15	13	10	*	6	6	6	*
Unknown/Under Investigation	985	269	399	443	427	385	415	702	755	701	804	600	538	393
Total	13,952	3,159	3,055	2,657	2,288	1,772	1,643	2,029	1,816	1,527	1,730	1,394	1,324	1,121

Note: Beginning in 2003, risk groups "Perinatal" and "Unknown/Under Investigation" were separated from "Other" category. Beginning in 2005, "Probable Heterosexuals" were taken out from "Male Heterosexual Transmission" and included in "Unknown/Under Investigation" category.

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 September 30, 2006. Data for recent years are incomplete due to reporting lag. Cells representing 1-5 person(s) are marked with an asterisk (*).

Data source: HIV Epidemiology and Field Service 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, 2006**

Months	Number				Average Per Day			
	Marriages	Births	Deaths	Infant Deaths	Marriages	Births	Deaths	Infant Deaths
January	4,366	10,209	4,946	66	141	329	160	2.1
February	4,649	9,536	4,576	48	166	341	163	1.7
March	5,622	10,349	4,972	65	181	334	160	2.1
April	5,134	9,612	4,491	50	171	320	150	1.7
May	6,202	10,280	4,679	68	200	332	151	2.2
June	6,220	10,543	4,335	63	207	351	145	2.1
July	5,804	10,968	4,563	90	187	354	147	2.9
August	6,942	11,170	4,589	64	224	360	148	2.1
September	5,658	11,000	4,293	55	189	367	143	1.8
October	5,631	10,956	4,711	59	182	353	152	1.9
November	4,672	10,373	4,442	52	156	346	148	1.7
December	4,719	10,510	4,794	60	152	339	155	1.9
Total	65,619	125,506	55,391	740	180	344	152	2.0

Data source: 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	2003	2004	2005	2006
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Emily	Emily	Emily	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Jessica	Samantha	Ashley	Ashley	Ashley	Emily
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Amanda	Kayla	Kayla	Kayla	Kayla	Isabella
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Samantha	Emily	Sarah	Sarah	Sarah	Sarah
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Stephanie	Brianna	Samantha	Samantha	Isabella	Kayla
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Sarah	Brianna	Isabella	Samantha	Sophia
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Jessica	Isabella	Brianna	Sophia	Mia
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Sarah	Nicole	Nicole	Brianna	Sophia	Nicole
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Michelle	Michelle	Rachel	Nicole	Olivia	Brianna*
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Emily	Amanda	Jessica	Olivia	Rachel	Samantha*

Rank	Boys											
	1898	1928	1948	1980	1985	1990	1995	2000	2003	2004	2005	2006
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Justin	Justin	Daniel	Daniel	Daniel
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Christopher	Daniel	Matthew	Joshua	Matthew
4	George	James	Michael	Joseph	David	Anthony	Daniel	Matthew	Matthew	Justin	David	Joshua
5	Joseph	Richard	William	Christopher	Anthony	David	Jonathan	Daniel	Christopher	Joshua	Justin	Justin
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Joseph	Anthony	Anthony	David	Matthew	David
7	James	Robert	Joseph	John	Jonathan	Joseph	Anthony	Joshua	David	Anthony	Anthony	Christopher
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	David	Joshua	Christopher*	Christopher	Joseph
9	Francis	George	Stephen	Robert	John	John	David	Joseph	Joseph	Joseph*	Joseph	Anthony
10	Samuel	Louis	David	James	Robert	Andrew	Justin	Kevin	Kevin	Ryan	Nicholas	Jayden

**Table 51. Most Popular Baby Names by Sex and Mother's Ethnic Group
New York City, 2006**

Rank	Girls				Boys			
	Hispanic	NH-Black	NH-White	Asian & P.I.	Hispanic	NH-Black	NH-White	Asian & P.I.
1	Ashley	Kayla	Sarah	Emily	Angel	Joshua	Michael	Ryan
2	Emily	Madison	Rachel	Sophia	Christopher	Jayden	Joseph	Jason
3	Isabella	Jada	Ava	Chloe	Justin	Justin	Daniel*	Kevin
4	Mia	Brianna	Sophia	Tiffany	Jayden	Elijah	Matthew*	Daniel
5	Brianna	Nevaeh	Julia	Ashley	Anthony	Jaden	David**	Matthew
6	Samantha	Jayla	Esther	Jessica	Joshua	Jordan	Nicholas**	Justin
7	Jennifer	Taylor	Isabella	Michelle	Kevin	Isaiah	Jack	Ethan
8	Melanie	Ashley	Chaya	Sarah	David	Brandon	Alexander	Eric
9	Angelina*	Destiny	Olivia	Rachel	Daniel	Michael	Benjamin	Andrew
10	Kimberly*	Gabrielle	Emma	Angela*	Brandon*	Christopher	Jacob	Vincent
				Nicole*	Michael*			

*, ** Tied ranks.

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

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

Table 52. Live Births by Borough and Institution, New York City, 2006

Borough and Institution	Births
Manhattan	
Allen Pavilion	2,388
Bellevue Hospital Center	1,956
Beth Israel Medical Center	3,663
Columbia Presbyterian Medical Center	4,192
Harlem Hospital Center	1,119
Lenox Hill Hospital	3,889
Metropolitan Hospital Center	1,924
Mount Sinai Hospital	5,799
New York Downtown Hospital	2,545
New York Weill Cornell Medical Center	5,043
NYU Hospital Center - Tisch Hospital	4,175
St. Luke's - Roosevelt Hospital Center / Roosevelt Hospital Division	4,701
St. Luke's - Roosevelt Hospital Center / St. Luke's Hospital Division	997
St. Vincent's Hospital Manhattan	1,599
*Home	46
Bronx	
Bronx Lebanon Hospital Center	2,779
Jack D. Weiler Hospital of the Albert Einstein College of Medicine	4,948
Jacobi Medical Center	2,232
Lincoln Medical and Mental Health Center	2,325
North Central Bronx Hospital	1,805
Our Lady of Mercy Medical Center	1,649
St. Barnabas Hospital	1,251
Women's Health & Birthing Center	103
*Home	9
**Foundling	1
Brooklyn	
Brookdale University Hospital and Medical Center	1,807
Brooklyn Birthing Center	56
Brooklyn Hospital Center	2,327
Coney Island Hospital	1,124
Interfaith Medical Center	4
Kings County Hospital Center	2,377
Long Island College Hospital	2,660
Lutheran Medical Center	4,204
Maimonides Medical Center	6,789
New York Methodist Hospital	4,837
University Hospital of Brooklyn	1,923
Victory Memorial Hospital	1,408
Woodhull Medical and Mental Health Center	1,698
Wyckoff Heights Medical Center	1,869
*Home	117
Queens	
Elmhurst Hospital Center	4,200
Flushing Hospital Medical Center	2,032
Forest Hills Hospital	1,938
Jamaica Hospital Medical Center	2,884
Long Island Jewish Medical Center	5,587
Mary Immaculate Hospital	2
Mount Sinai Hospital of Queens	1
New York Hospital Medical Center of Queens	3,956
Queens Hospital Center	1,947
St. John's Episcopal Hospital	973
St. John's Queens Hospital	1,448
*Home	25
Staten Island	
St. Vincent's Staten Island Hospital	2,936
Staten Island University Hospital	3,233
*Home	6
New York City Total	125,506

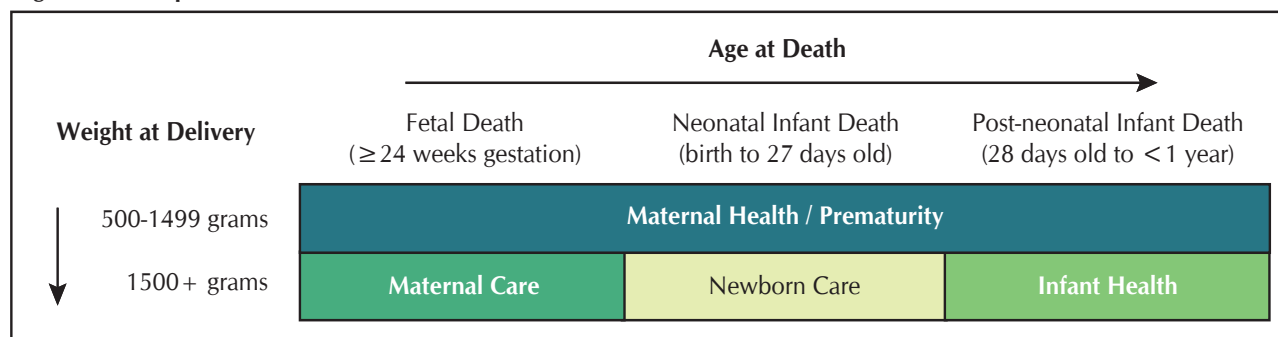
* Births occurring at home and certificates were not filed by the hospitals where infants were taken.

** Abandoned infant whose record of birth was filed by the Administration for Children's Services.

Perinatal Periods of Risk (PPOR) Approach to Understanding Fetal-infant Mortality

Perinatal Periods of Risk (PPOR) is an approach designed to provide more detailed information on fetal and infant risk than the infant mortality alone. It does so by taking into account late fetal deaths and by distinguishing between neonatal and post-neonatal infant deaths. The PPOR approach uses weight at delivery and timing of death to identify the most vulnerable “periods of risk”, enabling better comprehension of fetal-infant mortality rates and the various factors that contribute to those rates, and in turn, helping to design appropriately targeted interventions and prevention strategies¹.

Figure 27. Components of Perinatal Periods of Risk



The PPOR methodology identifies “periods of risk” for the mother, fetus and infant (see Figure 27 above). Deaths within each “period” are likely to share common risk factors, and thus may be prevented by similar interventions. The PPOR defines these periods through the examination of fetal-infant mortality (excluding induced terminations). Fetal and infant deaths are classified by both age-at-death (displayed as “Fetal Death”, “Neonatal Infant Death” and “Post-neonatal Infant Death” in Figure 27) and birthweight (displayed as “500-1499 grams” and “1500+ grams”). PPOR defines fetal death as a spontaneous termination that occurs at or after 24 weeks of gestational age, neonatal death as a death that occurs from birth through 27 days, and post-neonatal death as a death that occurs from 28 days to less than one year of age. Fetal deaths and live births are limited to those with birthweights of 500 grams or more given that those under 500 grams are less likely to be reported and to limit pregnancy events to those that are physically viable assuming no underlying congenital defect or medical condition.

Fetal deaths are included in the PPOR model for several reasons: 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 rate²; and 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 as follows:

- 1) Maternal Health/Prematurity period: Includes fetal and infant deaths with a weight of 500-1499 grams. Possible causes include maternal conditions that occurred prior to conception or during early pregnancy (e.g., smoking, hypertension).
- 2) Maternal Care period: Includes fetal deaths with a weight of 1500 grams or greater and a gestational age of 24 weeks or greater. These deaths may have been due to issues related to prenatal and obstetric care (e.g., medical management of diabetes, early/adequate prenatal care).
- 3) Newborn Care period: Includes infants with a weight of 1500 grams or greater who died in the neonatal period. Causes of death may include congenital anomalies and lack of advanced neonatal care and treatment.
- 4) Infant Health period: Includes infants who died in the post-neonatal period with a weight of 1500 grams or greater. Deaths in this period may be due to Sudden Infant Death Syndrome (SIDS), infection, or injury.

The PPOR technique calculates fetal-infant mortality rates³ overall and for each period of risk. The PPOR approach is also 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). Additionally, the PPOR model can help researchers and program developers target interventions to those who are most vulnerable.

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 and includes all infant deaths, including those whose weight at delivery was less than 500 grams.

3. See “Rates and Ratios Defined” on page 71 for rate definition.

Table 53. Fetal-infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk, Year, and Ethnic Group, 2002-2006

Year	Births & Fetal Deaths*	Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Total Fetal-infant Mortality	
	Number	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2002	123,193	459	3.7	235	1.9	131	1.1	153	1.2	978	7.9
2003	124,550	470	3.8	218	1.8	136	1.1	148	1.2	972	7.8
2004	124,353	479	3.9	225	1.8	136	1.1	137	1.1	977	7.9
2005	122,976	451	3.7	222	1.8	122	1.0	140	1.1	935	7.6
2006	125,735	444	3.5	218	1.7	121	1.0	152	1.2	935	7.4
Mother's Ethnic Group, 2002-2006											
Puerto Rican	51,084	202	4.0	82	1.6	61	1.2	95	1.9	440	8.6
Other Hispanic	148,719	462	3.1	272	1.8	139	0.9	126	0.8	999	6.7
Asian and Pacific Islander	82,591	171	2.1	104	1.3	74	0.9	55	0.7	404	4.9
Non-Hispanic White	187,974	404	2.1	243	1.3	160	0.9	117	0.6	924	4.9
Non-Hispanic Black	148,193	1,029	6.9	400	2.7	206	1.4	334	2.3	1,969	13.3
Other or Unknown	2,246	35	-	17	-	6	-	3	-	61	-
NEW YORK CITY	620,807	2,303	3.7	1,118	1.8	646	1.0	730	1.2	4,797	7.7

* Limited to fetal deaths and live births of birthweight 500 grams or more and fetal deaths with gestation of at least 24 weeks.

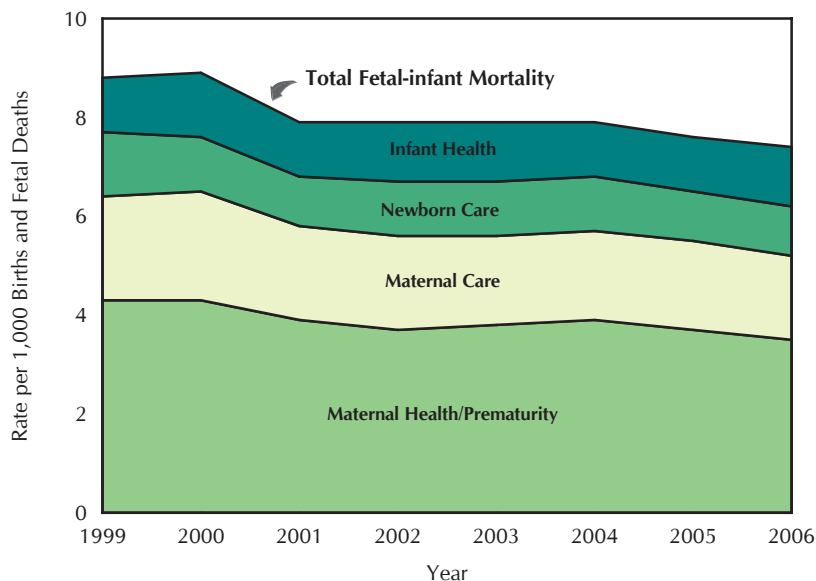
When applying the PPOR approach in New York City (Table 53), a decline in the overall fetal-infant mortality rate is observed from 2002 to 2006. The highest rates for these years occurred in the Maternal Health/Prematurity period. The bottom half of Table 53 provides fetal-infant mortality by ethnic group. Non-Hispanic blacks had the highest total fetal-infant mortality rate at 13.3, followed by Puerto Ricans at 8.6, Other Hispanics at 6.7, & Non-Hispanic whites and Asian and Pacific Islanders at 4.9. For all 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 53a on the next page provides fetal-infant mortality by NYC borough and community district of residence and indicates that The Bronx had the highest total fetal-infant mortality rate at 9.3, followed by Brooklyn at 8.6, Queens at 6.4, Staten Island at 6.1, and Manhattan at 5.9. Community districts that have a fetal-infant mortality rate greater than 10 include Bedford Stuyvesant at 13.5, Crown Heights North at 13.1, Brownsville and East Flatbush at 12.8, Morrisania at 12.3, Williamsbridge at 11.9, East New York at 11.3, Unionport/ Soundview at 10.7, and The Rockaways and Crown Heights South at 10.4.

A comparison between the different "periods of risk" within a community district, as well as between community districts for a specific "period of risk", may enable interventions to be targeted to the most appropriate period of vulnerability in those districts with the most need. For example, in Canarsie, Brooklyn, the rate in the Maternal Health/Prematurity period is relatively high compared to the other "periods of risk" for the same area. Thus, this district may benefit most from interventions that focus on preconceptional health, unintended pregnancy, and specialized perinatal care. The district of Crown Heights South experienced one of the highest fetal-infant mortality rates in the Maternal Care period; thus, focusing efforts in this district on prenatal care and good medical management of diabetes, seizures, and other medical problems, may be the best way to reduce its fetal-infant mortality rate. The rate in the Infant Health period in the Midtown Business District is high relative to both other districts and other periods of risk in Midtown, signaling a need to focus on interventions for infant health such as SIDS prevention, breastfeeding, healthcare access, and injury prevention in this district.

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

Figure 28. Fetal-infant Mortality Rates per 1,000 Births and Fetal Deaths New York City, 1999-2006



Infant Health: Includes infants who died in the post-neonatal period with a weight of 1500 grams or greater. Deaths in this period may be due to Sudden Infant Death Syndrome (SIDS), infection, or injury.

Newborn Care: Includes infants with a weight of 1500 grams or greater who died in the neonatal period. Causes of death may include congenital anomalies and lack of advanced neonatal care and treatment.

Maternal Care: Includes fetal deaths with a weight of 1500 grams or greater and a gestational age of 24 weeks or greater. These deaths may have been due to issues related to prenatal and obstetric care (e.g., medical management of diabetes, early/adequate prenatal care).

Maternal Health/Prematurity: Includes fetal and infant deaths with a weight of 500-1499 grams. Possible causes include maternal conditions that occurred prior to conception or during early pregnancy (e.g., smoking, hypertension).

Table 53a. Fetal-infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk and Community District of Residence, 2002-2006

Community District of Residence	Births & Fetal Deaths*	Maternal Health/ Prematurity		Maternal Care		Newborn Care		Infant Health		Total Fetal-infant Mortality	
	Number	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
MANHATTAN	100,200	275	2.7	141	1.4	84	0.8	95	0.9	595	5.9
Battery Park, Tribeca (01)	2,995	4	1.3	1	0.3	0	0.0	1	0.3	6	2.0
Greenwich Village, SOHO (02)	4,215	6	1.4	3	0.7	0	0.0	1	0.2	10	2.4
Lower East Side (03)	11,386	31	2.7	16	1.4	17	1.5	7	0.6	71	6.2
Chelsea, Clinton (04)	4,288	13	3.0	3	0.7	1	0.2	1	0.2	18	4.2
Midtown Business District (05)	2,359	4	1.7	4	1.7	2	0.8	7	3.0	17	7.2
Murray Hill (06)	6,342	13	2.0	11	1.7	5	0.8	7	1.1	36	5.7
Upper West Side (07)	14,161	28	2.0	21	1.5	11	0.8	7	0.5	67	4.7
Upper East Side (08)	14,224	29	2.0	16	1.1	10	0.7	6	0.4	61	4.3
Manhattanville (09)	7,672	24	3.1	11	1.4	9	1.2	15	2.0	59	7.7
Central Harlem (10)	8,498	44	5.2	16	1.9	6	0.7	12	1.4	78	9.2
East Harlem (11)	8,983	32	3.6	17	1.9	7	0.8	15	1.7	71	7.9
Washington Heights (12)	15,077	47	3.1	22	1.5	16	1.1	16	1.1	101	6.7
BRONX	106,019	480	4.5	214	2.0	127	1.2	164	1.5	985	9.3
Mott Haven (01)	8,059	43	5.3	12	1.5	12	1.5	13	1.6	80	9.9
Hunts Point (02)	4,410	14	3.2	8	1.8	3	0.7	6	1.4	31	7.0
Morrisania (03)	6,527	35	5.4	12	1.8	13	2.0	20	3.1	80	12.3
Concourse, Highbridge (04)	14,589	60	4.1	28	1.9	14	1.0	22	1.5	124	8.5
University/Morris Heights (05)	12,694	46	3.6	32	2.5	14	1.1	29	2.3	121	9.5
East Tremont (06)	7,077	38	5.4	11	1.6	10	1.4	4	0.6	63	8.9
Fordham (07)	12,491	40	3.2	25	2.0	14	1.1	13	1.0	92	7.4
Riverdale (08)	5,641	24	4.3	3	0.5	3	0.5	5	0.9	35	6.2
Unionport, Soundview (09)	13,224	72	5.4	32	2.4	15	1.1	23	1.7	142	10.7
Throgs Neck (10)	4,726	24	5.1	8	1.7	3	0.6	7	1.5	42	8.9
Pelham Parkway (11)	6,843	27	3.9	23	3.4	4	0.6	5	0.7	59	8.6
Williamsbridge (12)	9,738	57	5.9	20	2.1	22	2.3	17	1.7	116	11.9
BROOKLYN	197,127	820	4.2	378	1.9	210	1.1	278	1.4	1686	8.6
Williamsburg, Greenpoint (01)	15,498	43	2.8	21	1.4	15	1.0	12	0.8	91	5.9
Fort Greene, Brooklyn Heights (02)	5,677	30	5.3	11	1.9	10	1.8	3	0.5	54	9.5
Bedford Stuyvesant (03)	11,219	72	6.4	35	3.1	20	1.8	24	2.1	151	13.5
Bushwick (04)	10,635	52	4.9	19	1.8	14	1.3	16	1.5	101	9.5
East New York (05)	14,206	83	5.8	30	2.1	17	1.2	30	2.1	160	11.3
Park Slope (06)	7,354	24	3.3	4	0.5	8	1.1	11	1.5	47	6.4
Sunset Park (07)	12,631	42	3.3	22	1.7	13	1.0	12	1.0	89	7.0
Crown Heights North (08)	7,400	50	6.8	20	2.7	9	1.2	18	2.4	97	13.1
Crown Heights South (09)	8,638	43	5.0	25	2.9	8	0.9	14	1.6	90	10.4
Bay Ridge (10)	8,219	22	2.7	10	1.2	6	0.7	3	0.4	41	5.0
Bensonhurst (11)	11,009	21	1.9	16	1.5	15	1.4	10	0.9	62	5.6
Borough Park (12)	22,853	40	1.8	34	1.5	19	0.8	18	0.8	111	4.9
Coney Island (13)	5,889	30	5.1	7	1.2	7	1.2	10	1.7	54	9.2
Flatbush, Midwood (14)	14,072	51	3.6	31	2.2	15	1.1	22	1.6	119	8.5
Sheepshead Bay (15)	9,869	26	2.6	14	1.4	3	0.3	7	0.7	50	5.1
Brownsville (16)	7,246	39	5.4	21	2.9	9	1.2	24	3.3	93	12.8
East Flatbush (17)	11,969	80	6.7	35	2.9	11	0.9	27	2.3	153	12.8
Canarsie (18)	11,743	72	5.7	23	1.8	11	0.9	17	1.3	123	9.7
QUEENS	136,587	414	3.0	214	1.6	117	0.9	135	1.0	880	6.4
Astoria, Long Island City (01)	11,312	44	3.9	17	1.5	7	0.6	11	1.0	79	7.0
Sunnyside, Woodside (02)	7,477	12	1.6	11	1.5	4	0.5	6	0.8	33	4.4
Jackson Heights (03)	13,902	32	2.3	26	1.9	10	0.7	11	0.8	79	5.7
Elmhurst, Corona (04)	14,882	38	2.6	9	0.6	16	1.1	11	0.7	74	5.0
Ridgewood, Glendale (05)	10,351	27	2.6	14	1.4	9	0.9	5	0.5	55	5.3
Rego Park, Forest Hills (06)	6,095	13	2.1	10	1.6	4	0.7	4	0.7	31	5.1
Flushing (07)	12,257	17	1.4	12	1.0	8	0.7	11	0.9	48	3.9
Fresh Meadows, Briarwood (08)	8,865	16	1.8	11	1.2	10	1.1	12	1.4	49	5.5
Woodhaven (09)	10,168	32	3.1	25	2.5	12	1.2	13	1.3	82	8.1
Howard Beach (10)	7,518	29	3.9	10	1.3	2	0.3	3	0.4	44	5.9
Bayside (11)	3,456	2	0.6	3	0.9	1	0.3	2	0.6	8	2.3
Jamaica, St. Albans (12)	15,049	71	4.7	33	2.2	18	1.2	26	1.7	148	9.8
Queens Village (13)	8,827	47	5.3	19	2.2	9	1.0	8	0.9	83	9.4
The Rockaways (14)	6,428	34	5.3	14	2.2	7	1.1	12	1.9	67	10.4
STATEN ISLAND	28,848	94	3.3	35	1.2	25	0.9	23	0.8	177	6.1
Port Richmond (01)	12,571	47	3.7	14	1.1	9	0.7	15	1.2	85	6.8
Willowbrook, South Beach (02)	7,279	22	3.0	14	1.9	8	1.1	5	0.7	49	6.7
Tottenville (03)	8,998	25	2.8	7	0.8	8	0.9	3	0.3	43	4.8

* Limited to fetal deaths and live births of birthweight 500 grams or more and fetal deaths with gestation of at least 24 weeks.

Note: 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.

Special Section A: Smoking-Attributable Deaths and Age-Adjusted Death Rates*, Age 35 Years and Older, New York City, 2002-2006

Disease Category	2002			Age-Adjusted Rates (Per 100,000)			2003			Age-Adjusted Rates (Per 100,000)			2004			Age-Adjusted Rates (Per 100,000)			2005			Age-Adjusted Rates (Per 100,000)			2006			Age-Adjusted Rates (Per 100,000)			
	Deaths			Age-Adjusted Rates (Per 100,000)			Deaths			Age-Adjusted Rates (Per 100,000)			Deaths			Age-Adjusted Rates (Per 100,000)			Deaths			Age-Adjusted Rates (Per 100,000)			Deaths			Age-Adjusted Rates (Per 100,000)			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Total	4,876	3,846	8,722	310.7	153.9	216.9	4,915	3,605	8,520	308.4	142.2	208.5	4,751	3,385	8,136	292.1	131.8	195.5	4,772	3,324	8,096	286.5	127.6	191.3	4,433	3,311	7,744	262.4	124.9	180.6	
Malignant Neoplasms																															
Lip, Oral Cavity, Pharynx	90	28	118	5.3	1.2	2.9	96	28	124	5.6	1.2	3.0	111	35	146	6.3	1.4	3.5	100	34	134	5.6	1.4	3.2	91	20	111	5.0	0.8	2.6	
Esophagus	144	55	199	9.0	2.3	5.0	143	55	198	8.5	2.3	4.9	141	51	192	8.3	2.1	4.6	161	52	213	9.2	2.1	5.1	126	63	189	7.2	2.5	4.5	
Stomach	70	25	95	4.4	1.0	2.4	71	29	100	4.4	1.2	2.5	66	28	94	4	1.1	2.3	75	24	99	4.5	0.9	2.4	67	24	91	4.0	1.0	2.2	
Pancreas	75	107	182	4.5	4.4	4.6	81	97	178	4.9	3.9	4.4	81	103	184	4.8	4.1	4.4	83	91	174	4.8	3.6	4.1	78	105	183	4.4	4.1	4.3	
Larynx	82	21	103	4.9	0.9	2.6	84	18	102	5.0	0.7	2.5	95	12	107	5.4	0.5	2.5	81	16	97	4.6	0.6	2.3	78	12	90	4.6	0.5	2.1	
Trachea, Lung, Bronchus	1,472	999	2,471	91.6	42.2	62.1	1,500	998	2,498	92.2	41.7	62.0	1,483	904	2,387	90	37.2	58.3	1,426	904	2,330	84.9	37.1	56.3	1,359	912	2,271	80.0	36.8	54.3	
Cervix Uteri	0	18	18	0.0	0.8	0.4	0	18	18	0.0	0.8	0.4	0	14	14	0.0	0.6	0.3	0	15	15	0.0	0.6	0.3	0	13	13	0.0	0.5	0.3	
Kidney and Renal Pelvis	56	4	60	3.4	0.2	1.5	52	2	54	3.1	0.1	1.3	51	4	55	3.1	0.2	1.3	46	1	47	2.6	0.0	1.1	48	4	52	2.8	0.2	1.2	
Urinary Bladder	79	31	110	5.3	1.2	2.7	80	27	107	5.3	1.1	2.6	85	27	112	5.5	1.0	2.7	84	29	113	5.4	1.1	2.7	93	29	122	5.8	1.1	2.9	
Acute Myeloid Leukemia	23	8	31	1.4	0.3	0.8	26	8	34	1.6	0.3	0.8	24	11	35	1.5	0.5	0.9	27	9	36	1.6	0.4	0.9	17	12	29	1.0	0.5	0.7	
Sub-total	2,091	1,296	3,387	129.8	54.5	85.0	2,133	1,280	3,413	130.6	53.3	84.4	2,137	1,189	3,326	128.9	48.7	80.8	2,083	1,175	3,258	123.2	47.8	78.4	1,957	1,194	3,151	114.8	48.0	75.1	
Cardiovascular Diseases																															
Ischemic Heart Disease	1,672	1,464	3,136	106.7	56.5	77.1	1,618	1,343	2,961	102	50.8	71.5	1,485	1,184	2,669	90.9	44.2	63.2	1,576	1,189	2,765	94	43.5	64	1,483	1,228	2,711	86.7	44.0	61.7	
Other Heart Disease	125	89	214	8.1	3.5	5.3	108	80	188	6.9	3.1	4.6	106	70	176	6.7	2.7	4.2	103	63	166	6.3	2.3	3.9	97	64	161	5.9	2.3	3.7	
Cerebrovascular Disease	126	132	258	7.3	5.6	6.3	135	113	248	7.7	4.7	6	127	101	228	7.1	4.2	5.4	107	102	209	5.9	4.1	4.8	114	99	213	6.1	3.9	4.8	
Atherosclerosis	20	7	27	1.4	0.3	0.7	23	6	29	1.5	0.2	0.7	13	6	19	0.9	0.2	0.5	22	5	27	1.4	0.2	0.6	13	7	20	0.8	0.2	0.5	
Aortic Aneurysm	85	45	130	5.4	1.8	3.3	80	43	123	4.9	1.7	3.1	88	40	128	5.3	1.6	3.1	105	48	153	6.1	1.9	3.6	78	42	120	4.5	1.6	2.8	
Other Arterial Disease	5	12	17	0.3	0.5	0.4	7	9	16	0.4	0.3	0.4	8	12	20	0.5	0.5	0.5	7	9	16	0.4	0.4	0.4	9	7	16	0.5	0.3	0.4	
Sub-total	2,033	1,749	3,782	129.2	68.2	93.1	1,971	1,594	3,565	123.4	60.8	86.3	1,827	1,413	3,240	111.4	53.4	76.9	1,920	1,416	3,336	114.1	52.4	77.3	1,794	1,447	3,241	104.5	52.3	73.9	
Respiratory Diseases																															
Pneumonia, Influenza	211	193	404	14.8	7.3	10.0	240	174	414	16.1	6.4	9.9	258	192	450	17.1	7.1	10.7	269	175	444	17.4	6.3	10.4	225	184	409	14.3	6.5	9.4	
Bronchitis, Emphysema	76	68	144	5.1	2.7	3.6	76	59	135	4.8	2.4	3.3	68	55	123	4.4	2.1	3.0	64	52	116	3.9	2	2.7	55	50	105	3.3	1.9	2.5	
Chronic Airway Obstruction	465	540	1,005	31.8	21.2	25.2	495	498	993	33.0	19.0	24.3	461	536	997	30.3	20.5	24.1	436	506	942	27.9	19.1	22.5	402	436	838	25.5	16.2	19.7	
Sub-total	752	801	1,553	51.7	31.2	38.8	811	731	1,542	53.9	27.8	37.5	787	783	1,570	51.8	29.7	37.8	769	733	1,502	49.2	27.4	35.6	682	670	1,352	43.1	24.6	31.6	

Notes:

Smoking prevalence rates are from NYC Community Health Survey and calculated by the Bureau of Epidemiology Services, New York City Department of Health and Mental Hygiene.

Number does not include burn or second hand smoke deaths.

See Technical Notes: Smoking- and Alcohol-Attributable Mortality for methodology.

* 2006 population data are from U.S. Census Bureau's annual estimates as of October 2007. 2002-2005 age-adjusted rates are revised from 2005 Annual Summary using U.S. Census Bureau's new estimates. See Technical Notes: Popu

Special Section B: Alcohol-Attributable Deaths, Age 20 Years and Older, New York City, 2001-2006*

	2001			2002			2003			2004			2005			2006*		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Total for All Causes	1,289	482	1,771	1,242	478	1,721	1,250	446	1,696	1,193	413	1,606	1,194	418	1,612	1,174	389	1,563
Chronic Causes																		
Acute pancreatitis	6	8	14	5	4	9	8	5	13	6	7	13	6	6	12	7	6	13
Alcohol abuse	9	1	10	8	1	9	12	2	14	39	6	45	39	7	46	57	12	69
Alcohol cardiomyopathy	12	1	13	16	1	17	11	0	11	6	1	7	4	2	6	7	0	7
Alcohol dependence syndrome	254	58	312	223	64	287	231	47	278	185	44	229	206	23	229	162	35	197
Alcohol polyneuropathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcohol-induced chronic pancreatitis	11	2	13	17	2	19	11	3	14	15	3	18	11	8	19	3	0	3
Alcoholic gastritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcoholic liver disease	254	91	345	252	93	345	262	78	340	247	80	327	235	76	311	241	65	306
Alcoholic myopathy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcoholic psychosis	3	0	3	1	1	2	1	0	1	0	0	0	3	1	4	3	0	3
Breast cancer (females only)	0	11	11	0	11	11	0	11	11	0	10	10	0	10	10	0	10	10
Cholelithiasis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic hepatitis	<1	<1	<1	<1	<1	<1	0	0	0	<1	0	<1	0	0	0	0	<1	<1
Chronic pancreatitis	4	1	5	1	1	2	0	2	2	1	0	1	2	2	3	3	1	4
Degeneration of nervous system due to alcohol	1	1	2	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0
Epilepsy	3	1	4	2	3	5	2	1	3	2	3	5	2	2	4	2	2	3
Esophageal cancer	7	1	8	8	2	10	6	2	8	6	2	7	7	2	8	5	2	7
Esophageal varices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fetal alcohol syndrome	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Fetus and newborn affected by maternal use of alcohol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastroesophageal hemorrhage	1	<1	1	<1	0	<1	<1	1	2	0	0	0	<1	0	<1	<1	<1	1
Hypertension	23	20	43	29	24	53	23	25	48	23	24	47	26	25	50	26	25	51
Ischemic heart disease	17	12	28	21	14	35	16	14	30	14	12	26	14	12	27	14	11	26
Laryngeal cancer	5	1	5	6	1	7	5	1	6	5	1	6	5	1	6	5	1	5
Liver cancer	15	6	21	19	6	26	15	7	23	17	7	23	18	7	25	18	7	25
Liver cirrhosis unspecified	67	47	114	54	42	96	50	38	89	53	34	87	48	32	80	46	31	76
Low birth weight prematurity IUGR death	2	1	3	2	1	4	2	2	4	2	1	3	2	1	3	2	2	3
Oropharyngeal cancer	6	1	7	7	1	8	5	1	6	6	2	8	5	1	7	5	1	5
Portal hypertension	1	1	2	<1	<1	1	1	0	1	0	<1	<1	<1	<1	1	<1	0	<1
Prostate cancer (males only)	5	0	5	6	0	6	5	0	5	4	0	4	4	0	4	4	0	4
Psoriasis	<1	0	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	<1	<1
Spontaneous abortion (females only)	0	<1	<1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stroke hemorrhagic	19	4	23	26	6	31	24	6	30	21	5	27	18	5	23	22	5	27
Stroke ischemic	3	1	3	2	1	3	3	1	4	3	1	4	3	1	4	2	1	3
Supraventricular cardiac dysrhythmia	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Subtotal	727	270	998	706	280	987	695	250	945	655	244	899	660	225	885	636	215	851
Acute Causes																		
Air-space transport	20	23	43	0	0	0	0	0	0	0	0	0	<1	<1	1	<1	0	<1
Alcohol poisoning	3	1	4	5	2	7	5	1	6	11	1	12	10	2	12	4	2	6
Aspiration	1	1	2	2	1	4	3	2	5	2	1	3	3	1	4	3	1	4
Child maltreatment	2	3	5	3	1	4	2	3	5	2	1	3	3	1	4	2	4	5
Drowning	1	1	2	1	0	1	3	1	4	5	1	6	5	1	5	3	2	5
Excessive blood alcohol level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall injuries	78	53	131	77	66	143	74	56	130	79	57	136	80	70	149	82	57	139
Fire injuries	18	18	35	15	20	35	18	22	41	13	15	28	18	13	31	11	11	22
Firearm injuries	<1	<1	<1	1	0	1	<1	0	<1	<1	0	<1	0	0	0	<1	0	<1
Homicide	243	58	300	228	48	276	246	49	295	230	42	272	217	44	261	240	37	277
Hypothermia	4	1	5	2	1	3	10	1	11	2	2	4	5	2	7	3	1	4
Motor-vehicle nontraffic crashes	1	0	1	1	0	1	1	<1	1	1	0	1	1	<1	1	<1	<1	<1
Motor-vehicle traffic crashes	104	21	125	103	22	124	93	23	115	89	14	103	94	21	115	91	21	113
Occupational and machine injuries	1	0	1	1	<1	2	2	0	2	1	<1	1	1	0	1	1	0	1
Other road vehicle crashes	3	<1	4	5	<1	5	4	<1	5	5	1	6	4	1	5	3	1	4
Poisoning (not alcohol)	4	4	8	8	6	14	13	6	19	8	4	12	13	8	21	14	10	24
Suicide	78	27	105	84	29	113	80	31	111	83	26	110	82	28	109	79	26	105
Suicide by and exposure to alcohol	1	0	1	0	0	0	0	0	0	7	3	10	0	0	0	1	0	1
Water transport	0	0	0	1	0	1	2	<1	2	0	0	0	<1	0	<1	1	0	1
Subtotal	562	211	773	536	198	734	555	196	751	538	169	708	534	193	727	538	174	711

Note: 2001-2005 alcohol prevalence data are provided by the Bureau of Epidemiology Services. See Technical Notes: Smoking and Alcohol-Attributable Mortality for methodology.

* 2006 alcohol consumption data were not collected in New York City Community Health Survey and therefore 2006 alcohol-attributable deaths were calculated based on 2005 alcohol prevalence data.

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, 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 greater 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 greater plus the number of early neonatal (under seven days) deaths per 1,000 fetal deaths of 28 weeks gestation and greater 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.

DATA COLLECTION

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. Death certificates are processed on paper or via the Electronic Death Registration (EDR) system. All induced and spontaneous terminations, regardless of gestational age or weight, are required to be reported. See **Induced and Spontaneous Terminations of Pregnancy** below.

- Vital event data 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.
- For the most part, events to NYC residents occurring outside of NYC are not included in this report. Tables 22, 23, 25a, 25b, and Figure 15 include deaths to NYC residents occurring outside of NYC; this data is provided by the National Center for Health Statistics (NCHS). See third bullet under **Life Expectancy** below.
- For public health purposes, demographic and medical information on vital event certificates is coded in general agreement with standards developed by NCHS.
- Because New York City law prohibits recording mother's marital status on the birth certificate, it is calculated using other information. (See **Mother's Marital Status** below.)
- The number of marriages shown in Table 1 and in Table 49 is the number of marriage licenses issued by the Office of the City Clerk.

DEMOGRAPHICS

POPULATION - Population data in the 2000 and subsequent issues of the Annual Summary are 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.

- In 2002, the Census Bureau produced a modified race file (Census 2000 Modified Race Data [MR (31)-CO.txt]). In 2002-2005 Annual Summaries, Only 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.
- The 2005-2006 Annual Summary uses post-censal estimates in addition to Census 2000

data. The U.S. Census Bureau uses its modified race file for the Census 2000, described above, as the base for its post-censal estimates. These estimates, calculated for 2001-2006, are only available for broad measures such as county (borough), 5-year age groups, ethnic group and sex. They are not available for smaller geographic units, such as health center and community districts and single-year age groups. Therefore, some tables use the Census 2000 estimates while others use post-censal estimates (as of October 2007). Citywide rates are affected, and may differ across tables. The total New York City population is 8,008,278 in 2000 by decennial enumeration, and is 8,214,426 in 2006 by post-censal estimation.

- An example of the effect of using different measures of New York City population is the citywide birth rate; it was 15.3 per 1,000 population using the 2006 population estimate, and 15.7 using the 2000 census population as the denominator. Tables with breakdowns by neighborhood use 2000 census data only, as do those with life expectancy calculations that require population totals by single-year age groups.
- 2000 census data are used in Tables 7, 8, 22, 23, 28a, 34, 36 and 40, and Figure 20. 2001-2006 estimates are used in Tables 1, 3 and 25, Figures 6a, 6b, 7 and Special Section A.
- In Table 1, the population figures for census years 1960, 1970, 1980, 1990, and 2000 are census counts; for inter-censal 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 throughout the decade: $pop(t_1)/pop(t_0) = e^{rt}$ (where r is a constant growth rate and t is the time interval).

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 Department of City Planning (DCP) as "mutually exclusive race/Hispanic categories." DCP combined these groups into seven categories: 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 "ethnic group" (see below), except for the group of two or more races. Multiple-race data are currently collected 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 "ethnic group." See **Race and Ethnic Group**.

Multiple Race - Beginning January 1, 2003, the New York City death certificate expanded the number of decedent race categories, allowing multiple races to be selected. This change was implemented based on changes to the U.S. 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, 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.

Race and Ethnic Group - 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 NCHS rules.

- 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 ethnic group first assigns Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other or unknown ancestries are classified by race as Asian, non-Hispanic white, non-Hispanic black, other or unknown.
- 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

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that included clarification of the meaning of ancestry. These hospitals replaced the general term American with individual information provided by the patients.

- Persons whose race is black and whose ancestry is American are classified as being of African-American ancestry.

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 Annual Summary, if age was unknown, it was coded to 65. Beginning with the 2001 Annual Summary, unknown ages are not recoded.

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. It is computed for purposes of statistical analysis and reporting. As a result, this statistic should be analyzed cautiously.

- Prior to 1996, it was computed using an algorithm developed by NCHS.
- In 1996, a review of marital status results indicated that the number of non-marital births was being overestimated.
- In 1997, a new method was implemented which 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. This procedure is consistent with that used by New York State.
- A complete discussion of the 1996 review of marital status may be found in the Special Note on Mother’s Marital Status in the 1997 Annual Summary.

GEOGRAPHICAL UNITS

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 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 includes events where the certificate was filed through a hospital. Prior to 1996, home births only included events filed outside the hospital.

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

Program, developed and maintained by the Department of City Planning.

COMMUNITY DISTRICTS (CD) AND HEALTH CENTER DISTRICTS (HCD) – There are 59 community districts, referred to by their borough and sequence numbers. Names were included beginning with the 2003 Annual Summary. There are 30 health center districts, which have neighborhood names. There is no relationship between HCD and CD, and therefore no translation from one system to the other. For example, 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 2005, 38 deaths were reassigned from Manhattan to the Bronx, as seen in Table 7 and Table 8: the Manhattan crude death rate for all causes changed from 6.8 to 6.7 per 1,000 population, while the rate for the Bronx changed from 6.8 to 6.9 with the addition of the 38 deaths. Rates for the selected causes may change as well. For 2005 births, 95 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.

The number of districts in each system, by borough, is shown below.

Borough	HCD	CD
Manhattan	7	12
Bronx	6	12
Brooklyn	10	18
Queens	6	14
Staten Island	1	3
TOTAL	30	59

- The fifty-nine 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. 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.
- The thirty health center districts were established in 1927 by a joint commission (including the Health Department) as the administrative units for carrying out public health services. The HCD was formed out of the health area, which is based on census tract, and originally numbered 270. The health area was designed to be a unit for

public health data collection. While the configuration of health areas changes with each census, the configuration for HCD does not. Vital statistics by HCD and health area have been published by the Office of Vital Statistics since 1929.

- Community districts boundaries are compiled from census tract and census block data. Borough boundaries are not always followed. As a result, the sum of the community district populations in each borough does not equal the borough population or the city-wide population.
- The population of Rikers 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 has been assigned to Queens in both systems.

DEATHS

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 in 2005, a new table, Table 23 (Table 22a in 2004), 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 23. Table 23 does not include life expectancy for 2006 because national data are required and not yet available.
- Average yearly age-sex and age-sex-race adjusted death rates for 1990 in Tables 25a and 25b, 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 25a and 25b 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 U.S. standard population is used to calculate cause-specific age-adjusted death rates, while for earlier years the 1940 standard U.S. population was used. Since the Census Bureau has not produced MR (modified by race) 2000 data by single year of age, there is no change for life expectancy calculation and age-adjusted death rates.

- Tables 25a/b: A change in the data used for the 1980 and 1990 calculations is noted in Tables 25a and 25b 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, which was obtained from the New York State Department of Health (NYS DOH), 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 NYS DOH. As a result, 2000 mortality data may include more non-New York City occurrences than previous years. Another line is drawn in Table 25b to show that a different data source and standard population were used for the 1999-2001 period than for 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 for 1990 was recalculated by ethnic group.

- 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 of 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 the Annual Summary's presentation of YPLL (Table 24), age 75 is used as the cut-off age.

CAUSE OF DEATH - The information presented as cause of death is the underlying cause of death, selected using rules issued by NCHS, and codes of the International Classification of Diseases (ICD) 10th revision, issued by the World Health Organization. ICD-10 was implemented in the United States on 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.

- For Table 4, the NCHS List of 113 Selected Causes of Death is the base list for tabulating deaths. From this list, some causes are dropped due to small numbers or added due to their importance in New York City.

Comparability Ratio - Comparability ratios are used to measure the discontinuities in trend data for the cause of death when a new version of the ICD is implemented. In the case of ICD-10, 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, NCHS calculated and presented comparability ratios for selected causes of death by NCHS. Due to complications of coding and calculation, the 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 Summaries of Vital Statistics. Finalized comparability ratios are updated in Tables 4, 25, and 44 of the Summaries of Vital Statistics 2002 through present. A detailed description of the 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 and was coded as 279.1. In 1987, NCHS introduced code 042 for AIDS and 043-044 for other HIV disease deaths, and they were reported this way in Table 3 through 1998. Beginning in 1999, Table 25 includes HIV disease, B20-B24.

- A fuller discussion of the history of HIV coding can be found in the 1997 and 1998 Annual Summaries.

- The incidence data in Table 48 are provided by the New York City HIV Epidemiology and Field Service Program. Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State.

Deaths Due to Drug Abuse - In 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. A combination of these codes is used by NYC to distinguish a category of drug related deaths referred to as Mental Disorders due to Substance Use and Accidental Poisonings, found in Tables 7 and 8. These are more commonly referred to as overdose deaths. The natural cause group includes mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco (F11-F16, F18-F19). The external cause group includes poisoning codes for psychoactive substances excluding alcohol and tobacco in ICD-10 (X40-X42, X44). Deaths due to alcohol are reported separately. Deaths due to tobacco are reported under "All Other Natural Causes". See **Smoking and Alcohol-attributable Mortality** below.

- The ranking of deaths due to accidents, excluding drug poisoning deaths appears in Tables 5 and 6.

- A more detailed discussion of the history of drug death coding appears in the Annual 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 World Health Organization's definition of "maternal mortality" does not include these later deaths: included are "deaths of a woman while pregnant or within 42 days of termination of pregnancy ... from

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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 Annual Summary, new lines have been inserted in Table 4 and Table 25 to distinguish between all causes of death due to pregnancy, childbirth and puerperium and 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, only includes "maternal" deaths. An error in 1999 data in Table 46 was corrected in the 2000 Annual 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.

- 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 later 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.

Homicide: A homicide is the action of one person causing the death of another regardless of intent (e.g. whether self-defense or justifiable legal intervention). Annual counts of homicides reported by the New York City Police Department (NYPD) differ from DOHMH Vital Statistics for a number of reasons, described below. However, reported trends are similar.

- The NYPD reports homicides as counts of Murder and Non-Negligent Manslaughter using the Federal Bureau of Investigation's Uniform Crime Reporting System (UCR) rules and procedures. The count includes deaths determined to be both criminal and satisfying the UCR guidelines. Some homicides are judged to be justifiable by the NYPD and are reported separately to the FBI. These homicides include justifiable events involving law enforcement officers and/or civilians. Vital Statistics reports a death as a homicide

using the ICD-10 system. All homicides are medical examiner (ME) cases. Legal intervention is defined in the 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 has been reported separately in Tables 4 and 16. They are excluded in the homicide counts of Tables 7 and 8 and 21.

- NYPD Murder and Non-Negligent Manslaughter statistics count all murders that are known to have been committed in NYC regardless of where the death may have occurred. DOHMH Vital Statistics reports all homicide deaths that occur in NYC regardless of where the crime occurred.

- NYPD, in their annual count, includes homicides known to have occurred within that calendar year by the second week of January of the following year. Any death determined to be a criminal murder outside of that time period will be counted in the year that the determination is made. DOHMH Vital Statistics reports homicide by the date of the death. DOHMH Vital Statistics closes its count of deaths approximately 10 months after the year end and includes all late homicide determinations through that period from the Medical Examiner.

- Sometimes death resulting from a crime occurs many years after the crime was committed. Other times, deaths that occur in the past may need to be re-evaluated by the ME. In either situation, the death may be determined by the ME to be a homicide. The NYPD will evaluate the case and may classify or re-classify the death as a criminal homicide. If classified as a criminal homicide, NYPD will count the death in the year that the determination is made. Vital Statistics will report the homicide by the date of death. However, in the situation that the reclassification of the death occurs after the Vital Statistics files have closed, this death will be recorded as a homicide on the certificate of death but the reported homicides for the year of death will not change nor will this death show up in the year in which the determination was made.

Accident: Complications of medical and surgical care were included with accidents in ICD-9, but are not in ICD-10 and are therefore shown separately since 1999.

- The site of accidents, home and public place, has been dropped since 1999 because 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 used to calculate the number of traffic fatalities. First, DOT/NYPD does not include deaths resulting from illness while operating a motor vehicle in their traffic fatality count,

while the Annual Summary does. Second, in cases where serious injury suffered during a motor vehicle accident results 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, the Office of Vital Statistics always reports deaths by date of death.

World Trade Center Deaths - In the 2001 Annual Summary, 2,740 World Trade Center (WTC) deaths were reported as preliminary, based on death certificates filed through February 1, 2003 with the Office of Vital Records. These deaths were generally not included in the Summary tables and figures due to the effect this large figure would have on year-to-year trends. In 2002, in the Special Section of the Annual Summary, the number of WTC deaths was updated from 2,740 to 2,749. This sum included 6 additional death certificates filed through October 31, 2003 and 3 deaths that occurred outside of New York City. In 2007, a 2002 death was determined to be a WTC death. The current total, based on death certificates filed through December 24, 2007, is 2,750.

Fatal Occupational Injuries - The data presented 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 can occur inside or outside of New York City. Autopsy and other reports for deaths due to external causes are reviewed to determine if the injury occurred at work. Definitions and terminology are those of the 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, 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 the Annual Summary, all characteristics of infant deaths are drawn from the death certificate except in Tables 45 and 46, which use 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.

Smoking- and Alcohol-attributable Mortality - Smoking- and alcohol-attributable deaths represent the number of NYC deaths that were attributed to exposure to smoking and alcohol, respectively. These statistics were computed using similar methodologies.

- Smoking-attributable mortality (SAM) was derived by CDC's Adult SAMMEC (Smoking-Attributable Mortality, Morbidity, and Economic Costs) program using an attributable fraction formula. SAMMEC used NYC sex-specific smoking prevalences, estimated from the DOHMH Community Health Survey (CHS) and computed by the Bureau of Epidemiology, and the relative risks (RR) of death for current and former smokers ≥ 35 years of age for 19 smoking-related diseases, estimated from American Cancer Society's Cancer Prevention Study, to compute the smoking-attributable fraction (SAF) for each smoking-related disease and sex using the following formula:

$$SAF = [(p_0 + p_1(RR_1) + p_2(RR_2)) - 1] / [p_0 + p_1(RR_1) + p_2(RR_2)],$$

where p_0 is percentage of adult never-smokers in NYC; p_1 is percentage of adult current smokers in NYC; p_2 is the percentage of adult former-smokers in NYC; RR_1 is the relative risk of death for adult current smokers relative to adult never-smokers; and RR_2 is the relative risk of death for adult former-smokers relative to adult never-smokers.

To estimate the SAM, Adult SAMMEC multiplied the age- and sex-specific SAFs by the number of deaths for each smoking-related disease. Specifically, the number of deaths for each sex and 5-year age category was multiplied by the SAF:

$$SAM = \text{Number of deaths} \times SAF$$

Summing across age categories provides the sex-specific estimate of SAM for each disease. Total SAM is the sum of the sex-specific SAM estimates. A detailed description of the methodology is available at <http://apps.nccd.cdc.gov/sammec>.

- Alcohol-attributable mortality (AAM) was derived by the Alcohol-Related Disease Impact (ARDI) program using an alcohol-attributable fraction (AAF), which is defined as the proportion of deaths from a specific condition due to alcohol. For conditions that are by definition caused by alcohol use, the AAF was set to be 1.0. For other conditions, especially injuries, ARDI directly estimated the AAF based on direct observations about the relationship between alcohol and a given health outcome. For most chronic conditions, the AAF was indirectly estimated using NYC alcohol prevalence data from the CHS combined with pooled risk estimates from large meta-analyses using the following formula:

$$AAF = [p * (RR - 1)] / [1 + (p * (RR - 1))],$$

where p is the percentage of NYC men and women age 20 years and older who consume alcohol at a specified level of average daily alcohol consumption within a given year, and RR is the likelihood of death from a particular

condition at a specified level of average daily alcohol consumption.

To estimate AAM, AAFs were multiplied by the number of NYC deaths for specific causes defined by CDC's National Center for Chronic Disease Prevention and Health Promotion. Detailed description of the methodology is available at <http://apps.nccd.cdc.gov/ardi/HomePage.aspx>.

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.

New York City Certificates of Birth, Death, Spontaneous Termination of Pregnancy and Induced Termination of Pregnancy

New York City data on births, deaths and spontaneous and induced terminations of pregnancy are derived from the certificates filed with Vital Records. Samples are displayed on the pages that follow. Birth and termination of pregnancy certificates are required to be filed regardless of gestational age.

Birth Certificate – Birth certificates must be filed within five business days of the event. Over 99% of NYC births occur in hospitals and birthing facilities. The birth certificate is comprised of two parts: the certificate of birth and the confidential medical report of birth.

- The certificate of birth is the legal record. It is signed by the medical provider (physician or midwife) or an official representing the medical provider and filed with the DOHMH both on paper and electronically.
- The confidential medical report, used for the compilation of public health statistics and scientific purposes, collects parents' demographic information, mother's prenatal history and care, information on financial coverage, maternal morbidity, labor and delivery, and condition and treatment of the infant at and immediately after birth. These data are collected from the mother, the mother's and infant's medical records, and medical providers. Since 1997, almost all confidential medical reports have been completed electronically.

Death Certificate – Death certificates must be filed within 72 hours of death or finding the body. There are two forms, one for natural causes and one for medical examiner cases.

- Natural cause practitioner certificates - Most (85%) of deaths are due to natural causes and are completed by the attending physician or his or her authorized medical associate.
- Medical examiner certificate of death - When the cause of death is an accident, homicide, suicide, unattended or due to certain other circumstances (approximately 15% of deaths), the NYC Office of Chief Medical Examiner (OCME) completes the medical examiner certificate of death and supplementary report.

The two forms are similar. Both collect important information pertaining to the fact of death (person, place and time of death). Both collect 'personal particulars' which include items such as decedent's Social Security number, address, birth place, education, marital status, informant's information and place of disposition. The personal particulars are typically provided by the family of the decedent through the funeral home. Both collect cause of death which is completed by the physician or a medical examiner. On the natural cause certificate, the cause of death is on the confidential medical report; on the OCME certificate, it is on the certificate itself. In addition to cause of death, the OCME certificate collects information on the circumstances of external causes of death. The OCME certificate indicates manner of death: natural, accident, homicide, suicide or undetermined. The confidential medical report information is for the compilation of public health statistics and scientific purposes.

Spontaneous Termination of Pregnancy Certificate – Data collection on spontaneous terminations of pregnancy events is required to be completed on all fetal deaths regardless of gestational age and filed with the DOHMH within 72 hours of the event. Similar to the birth certificate, the spontaneous termination of pregnancy certificate has two parts, the certificate and the confidential medical report. The certificate is available to the mother. The confidential medical report information is collected for the compilation of public health statistics and scientific purposes.

Certificate of Induced Termination of Pregnancy – Data collection for induced terminations of pregnancy are required to be completed and filed with the DOHMH within 5 days of the event. The certificate does not contain the woman's name or identifying information. It is confidential and only collected for the compilation of public health statistics and scientific purposes.

CERTIFICATE OF BIRTH

Birth No. _____

THIS CERTIFICATE NOT VALID UNLESS FILED IN THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE
 Typewrite or print with black fine point ink. Certificates containing alterations or omissions are unacceptable.

Please complete the following:
 Has mother approved assignment of SSN for child?

YES NO

Father's SSN: _____

Mother's SSN: _____

Cert. No. _____

Place: _____

Died: Date: _____

1. FULL NAME OF CHILD <i>(Type or Print)</i>		First Name	Middle Name	Last Name
2. SEX	3a. NUMBER DELIVERED of this pregnancy	4a. DATE OF CHILD'S BIRTH <i>(Month) (Day) (Year - yyyy)</i>		4b. Hour <input type="checkbox"/> AM <input type="checkbox"/> PM
		3b. If more than one, number of this child in order of delivery		
5. PLACE OF BIRTH	5a. NEW YORK CITY BOROUGH OF	5b. Name of Facility (if not in institution street address)		5c. TYPE OF PLACE <input type="checkbox"/> Hospital <input type="checkbox"/> Home <input type="checkbox"/> Birthing Center <input type="checkbox"/> Other
6a. MOTHER'S FULL MAIDEN NAME		6b. MOTHER'S DATE OF BIRTH <i>(Month) (Day) (Year - yyyy)</i>	6c. MOTHER'S BIRTHPLACE City & State or foreign country	
7. MOTHER'S USUAL RESIDENCE a. State b. County		7c. City, town, or location	7d. Street and house number	Apt. Zip
				7e. Inside city limits of 7c? Yes <input type="checkbox"/> No <input type="checkbox"/>
8a. FATHER'S FULL NAME		8b. FATHER'S DATE OF BIRTH <i>(Month) (Day) (Year - yyyy)</i>	8c. FATHER'S BIRTHPLACE City & State or foreign country	
9a. NAME OF ATTENDANT AT DELIVERY		R.N. C.N.M. Other Midwife D.O. M.D.	9b. I CERTIFY THAT THIS CHILD WAS BORN ALIVE AT THE PLACE, DATE AND TIME GIVEN	
			R.N. C.N.M. Other Midwife D.O. M.D.	
Information added or amended		Signed _____		
_____ <i>(Reason)</i>		Name of Signer _____ <i>(Type or Print)</i>		
Date _____		Address _____		
City Registrar _____		Date Signed _____, Year - yyyy		

VITAL RECORDS DEPARTMENT OF HEALTH AND MENTAL HYGIENE THE CITY OF NEW YORK

Name _____
 Address _____ Apt. _____
 City _____ State _____ Zip _____

← Print here the mailing address of mother.
 Copy of this certificate will be mailed to her when it is filed with the Department of Health and Mental Hygiene.

CONFIDENTIAL MEDICAL REPORT

(Each question MUST be answered)

Only for scientific purposes approved by the Commissioner. Not open to inspection or subject to subpoena

NAME OF CHILD _____ CHILD'S MEDICAL RECORD NO. _____ BIRTH NO. _____

MOTHER'S TELEPHONE NUMBERS: Day () _____ Evening () _____

	10. Race—White, Black, American Indian, Chinese, Asian, Indian, Other <i>specify</i>	11. Ancestry (African-American, Chinese, Cuban, German, Italian, Puerto Rican etc.)	12. Education (Record highest year completed) Elem/Secondary 0 - 12 College 1-4 or 5 +	13. Occupation: Mother, most recent Father, usual	14. Kind of Business or Industry	15. Employed During This Pregnancy
MOTHER	10a.	11a.	12a.	13a.	14a.	15a. 1 <input type="checkbox"/> Yes 0 <input type="checkbox"/> No
FATHER	10b.	11b.	12b.	13b.	14b.	

16. Previous Pregnancies (Complete all sections)

Total number of Previous Pregnancies	Born Alive		Spontaneous Terminations			Induced Terminations		
	Now Living	Now Dead	Under 13 Weeks	13 to 19 Weeks	20 Weeks or more	Under 13 Weeks	13 to 19 Weeks	
a. Number _____ None <input type="checkbox"/>	b. Number _____ None <input type="checkbox"/>	c. Number _____ None <input type="checkbox"/>	d. Number _____ None <input type="checkbox"/>	e. Number _____ None <input type="checkbox"/>	f. Number _____ None <input type="checkbox"/>	g. Number _____ None <input type="checkbox"/>	h. Number _____ None <input type="checkbox"/>	i. Number _____ None <input type="checkbox"/>

17. Pregnancy History	Date Month Year - yyyy	18. Date Last Normal Menses Began Month Day Year-yyyy	19. Prenatal Care	20. Mother's Blood Group and Rh
a. First Live Birth			a. Date First Visit To Any Provider Month Day Year-yyyy	
b. Last Live Birth			b. Providers <i>Check all that apply</i> 1 <input type="checkbox"/> Hosp. 4 <input type="checkbox"/> SHF 2 <input type="checkbox"/> MIC 5 <input type="checkbox"/> Pvt Phy 3 <input type="checkbox"/> Other Clinic 6 <input type="checkbox"/> Other	c. Total Number Of Visits to All Providers _____
c. Last Other Termination				0 <input type="checkbox"/> NONE

21. Primary Financial Coverage This Birth 1 <input type="checkbox"/> Medicaid 2 <input type="checkbox"/> HMO 3 <input type="checkbox"/> Other 3rd Party 4 <input type="checkbox"/> Self	22. During This Pregnancy Did Mother Participate in: 1 <input type="checkbox"/> WIC 4 <input type="checkbox"/> AFDC 2 <input type="checkbox"/> PCAP 5 <input type="checkbox"/> Other 3 <input type="checkbox"/> MOMS Specify _____ 0 <input type="checkbox"/> None	23. Check If Mother Was 1 <input type="checkbox"/> Private Physician's Patient 2 <input type="checkbox"/> General Services Patient	24. Was Hospital Of This Delivery A: 1 <input type="checkbox"/> Prelabor Referral for High Risk 2 <input type="checkbox"/> Emergency Transfer Prior To Delivery Specify Transfer From _____ 0 <input type="checkbox"/> Neither
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25. MEDICAL RISK FACTORS FOR THIS PREGNANCY <i>Check all that apply</i>	26. OTHER RISK FACTORS FOR THIS PREGNANCY <i>Check all that apply</i>	27. COMPLICATIONS OF LABOR AND/OR DELIVERY <i>Check all that apply</i>	29. Prior C-section 0 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes
01 <input type="checkbox"/> Anemia (Hct. < 30/Hgb. < 10) 02 <input type="checkbox"/> Cardiac disease 03 <input type="checkbox"/> Acute or chronic lung disease 04 <input type="checkbox"/> Gestational Diabetes 05 <input type="checkbox"/> Chronic 06 <input type="checkbox"/> Genital herpes 07 <input type="checkbox"/> Other STD 08 <input type="checkbox"/> Hydramnios/Oligohydramnios 09 <input type="checkbox"/> Hemoglobinopathy 10 <input type="checkbox"/> Hepatitis 11 <input type="checkbox"/> Hypertension 12 <input type="checkbox"/> Chronic Pregnancy-associated 13 <input type="checkbox"/> Preeclampsia 14 <input type="checkbox"/> Eclampsia 15 <input type="checkbox"/> Incompetent cervix 16 <input type="checkbox"/> Previous infant 4000 + grams 17 <input type="checkbox"/> Previous preterm or small-for-gestational-age infant 18 <input type="checkbox"/> Renal disease 19 <input type="checkbox"/> Rh sensitization 20 <input type="checkbox"/> Uterine bleeding 21 <input type="checkbox"/> Trimester - 1 22 <input type="checkbox"/> Trimester - 2 23 <input type="checkbox"/> Trimester - 3 24 <input type="checkbox"/> None 25 <input type="checkbox"/> Other _____ <i>Specify</i>	a. Tobacco use during pregnancy Average number of cigarettes per day _____ Alcohol use during pregnancy Average number of drinks per week _____ Heroin _____ 3 <input type="checkbox"/> Yes <input type="checkbox"/> No Cocaine _____ 4 <input type="checkbox"/> Yes <input type="checkbox"/> No Methadone _____ 5 <input type="checkbox"/> Yes <input type="checkbox"/> No Marijuana _____ 6 <input type="checkbox"/> Yes <input type="checkbox"/> No Sedatives, Tranquilizers, Anticonvulsants Specify _____ 7 Other Drugs Specify _____ 8 0 <input type="checkbox"/> None of the above b. Weight Prepregnancy Weight _____ Weight gained during pregnancy _____ c. Radiation exposure during pregnancy? 0 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes If yes specify Trimester and Type	01 <input type="checkbox"/> Anesthetic complications 02 <input type="checkbox"/> Abruptio placenta 03 <input type="checkbox"/> Placenta previa 04 <input type="checkbox"/> Other excessive bleeding 05 <input type="checkbox"/> Cord Prolapse 06 <input type="checkbox"/> Conditions of Cord 07 <input type="checkbox"/> Fetal distress 08 <input type="checkbox"/> Cephalopelvic disproportion 09 <input type="checkbox"/> Chorioamnionitis 10 <input type="checkbox"/> Meconium staining 11 <input type="checkbox"/> Premature rupture of membranes (> 12 hours) 12 <input type="checkbox"/> Seizures during labor 13 <input type="checkbox"/> Precipitous labor (< 3 hours) 14 <input type="checkbox"/> Prolonged labor (> 20 hours) 15 <input type="checkbox"/> Failure to Progress 16 <input type="checkbox"/> Breech/Malpresentation 17 <input type="checkbox"/> Febrile (> 100°F. or 38°C) 18 <input type="checkbox"/> None 19 <input type="checkbox"/> Other _____ <i>Specify</i> 28a. Type of Anesthesia <i>Specify</i> b. Type of Analgesia <i>Specify</i>	30. METHOD OF DELIVERY <i>Check all that apply</i> 01 <input type="checkbox"/> Vaginal 02 <input type="checkbox"/> Vaginal after any prior C-section 03 <input type="checkbox"/> Primary C-section 04 <input type="checkbox"/> Repeat C-section 05 <input type="checkbox"/> Breech Extraction 06 <input type="checkbox"/> Mid Forceps 07 <input type="checkbox"/> Low Forceps 08 <input type="checkbox"/> Vacuum 09 <input type="checkbox"/> Other, <i>Specify</i> 31. Indication for C-section <i>Specify</i> 32. OBSTETRIC PROCEDURES <i>Check all that apply</i> a. Amniocentesis 01 <input type="checkbox"/> Genetic 02 <input type="checkbox"/> Maturity 03 <input type="checkbox"/> Stress Test 04 <input type="checkbox"/> Non Stress Test b. Electronic Fetal Monitoring 05 <input type="checkbox"/> Internal 06 <input type="checkbox"/> External 07 <input type="checkbox"/> Scalp Sampling 08 <input type="checkbox"/> Tocolysis 09 <input type="checkbox"/> Other <i>Specify</i> _____ 00 <input type="checkbox"/> None

34. Weight at Birth _____ lbs _____ ozs (1) OR _____ grams (2)	35. APGAR Score _____ 1 min _____ 5 min	36. Clinical Estimate of Gestation _____ Weeks	37. ABNORMAL CONDITIONS OF THE NEWBORN <i>Check all that apply</i> 01 <input type="checkbox"/> Anemia (Hct. < 39/Hgb. < 13) 02 <input type="checkbox"/> Birth Injury 03 <input type="checkbox"/> Fetal alcohol syndrome 04 <input type="checkbox"/> Hyaline membrane disease/RDS 05 <input type="checkbox"/> Meconium aspiration syndrome 06 <input type="checkbox"/> Assisted ventilation, intubation 07 <input type="checkbox"/> Assisted ventilation, other 08 <input type="checkbox"/> Seizures 09 <input type="checkbox"/> None 09 <input type="checkbox"/> Other _____ <i>Specify</i>	38. Did Infant Require: 1 <input type="checkbox"/> Neonatal Intensive Care 2 <input type="checkbox"/> Transfer to another Hospital <i>Specify</i> 39. Date of Hepatitis B Vaccination Month Day Year - yyyy 40. Congenital Anomalies <i>Specify</i> 41. At time of this report was infant 0 <input type="checkbox"/> Alive 1 <input type="checkbox"/> Dead	01 <input type="checkbox"/> b. Induction 02 <input type="checkbox"/> Stimulation 03 <input type="checkbox"/> Both 00 <input type="checkbox"/> Neither Indication for Induction or Stimulation <i>Specify</i> _____ c. Ultrasonography exams Number _____ 0 <input type="checkbox"/> None 33. Other Procedures Performed at Delivery <i>Specify</i> 0 <input type="checkbox"/> None
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CERTIFICATE OF DEATH Certificate No. _____

1. DECEDENT'S LEGAL NAME

(First Name) (Middle Name) (Last Name)

DOHMH USE ONLY

THIS CERTIFICATE NOT VALID UNLESS FILED IN THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE

BOR
INST
MANNER
RESIDENCE
CODE
BP
LDIS
H
ANC
NH
ANC
ICD
AUT

MEDICAL CERTIFICATE OF DEATH (To be filled in by the Physician)	Place Of Death	2a. New York City 2b. Borough	2c. Type of Place 1 <input type="checkbox"/> Hospital Inpatient 2 <input type="checkbox"/> Emergency Dept./Outpatient 3 <input type="checkbox"/> Dead on Arrival	4 <input type="checkbox"/> Nursing Home/Long Term Care Facility 5 <input type="checkbox"/> Hospice Facility 6 <input type="checkbox"/> Decedent's Residence 7 <input type="checkbox"/> Other Specify _____	2d. Name of hospital or other facility (if not facility, street address)			
	Date and Time of Death	3a. (Month) (Day) (Year-yyyy)	3b. Time <input type="checkbox"/> AM <input type="checkbox"/> PM	4. Sex	5. Date last attended by a Physician mm dd yyyy			
6. Certifier: I certify that death occurred at the time, date and place indicated and that to the best of my knowledge traumatic injury or poisoning DID NOT play any part in causing death, and that death did not occur in any unusual manner and was due entirely to NATURAL CAUSES. See instructions on reverse of certificate.								
Name of Physician _____ (Type or Print)				Signature _____				D.O. M.D.
Address _____				License No. _____		Date _____		
PERSONAL PARTICULARS (To be filled in by Funeral Director or, in case of City Burial, by Physician)	7a. Usual Residence State	7b. County	7c. City or Town	7d. Street and Number	Apt. No.	ZIP Code	7e. Inside City Limits? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
	8. Date of Birth (Month) (Day) (Year-yyyy)		9. Age at last birthday (years)	Under 1 Year Months Days		Under 1 Day Hours Minutes		10. Social Security No.
	11a. Usual Occupation (Type of work done during most of working life. Do not use "retired")			11b. Kind of business or industry		12. Aliases or AKAs		
	13. Birthplace (City & State or Foreign Country)		14. Education (Check the box that best describes the highest degree or level of school completed at the time of death) 1 <input type="checkbox"/> 8th grade or less; none 2 <input type="checkbox"/> 9th – 12th grade; no diploma 3 <input type="checkbox"/> High school graduate or GED 4 <input type="checkbox"/> Some college credit, but no degree 5 <input type="checkbox"/> Associate degree (e.g., AA, AS) 6 <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) 7 <input type="checkbox"/> Master's degree (e.g., MA, MS, MEd, MSW, MBA) 8 <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)					
	15. Ever in U.S. Armed Forces? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		16. Marital Status at Time of Death 1 <input type="checkbox"/> Married 2 <input type="checkbox"/> Divorced 3 <input type="checkbox"/> Married, but separated 4 <input type="checkbox"/> Never married 5 <input type="checkbox"/> Widowed 6 <input type="checkbox"/> Unknown			17. Surviving Spouse's Name (If wife, name prior to first marriage) (First, Middle, Last)		
	18. Father's Name (First, Middle, Last)				19. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)			
	20a. Informant's Name		20b. Relationship to Decedent		20c. Address (Street and Number Apt. No. City & State ZIP Code)			
	21a. Method of Disposition 1 <input type="checkbox"/> Burial 2 <input type="checkbox"/> Cremation 3 <input type="checkbox"/> Entombment 4 <input type="checkbox"/> City Cemetery 5 <input type="checkbox"/> Other Specify _____				21b. Place of Disposition (Name of cemetery, crematory, other place)			
	21c. Location of Disposition (City & State or Foreign Country)					21d. Date of Disposition mm dd yyyy		
	22a. Funeral Establishment				22b. Address (Street and Number City & State ZIP Code)			

**THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE
CONFIDENTIAL MEDICAL REPORT**

VR 15 (Rev. 11/04)

To be filled in by FUNERAL DIRECTOR or, in case of City Burial, by Physician		Certificate No. _____		
23. Ancestry (Check one box and specify) <input type="checkbox"/> Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.) Specify _____ <input type="checkbox"/> NOT Hispanic (Italian, African American, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.) Specify _____	24. Race as defined by the U.S. Census (Check one or more to indicate what the decedent considered himself or herself to be) 01 <input type="checkbox"/> White 02 <input type="checkbox"/> Black or African American 03 <input type="checkbox"/> American Indian or Alaska Native (Name of enrolled or principal tribe) _____ 04 <input type="checkbox"/> Asian Indian 05 <input type="checkbox"/> Chinese 06 <input type="checkbox"/> Filipino 07 <input type="checkbox"/> Japanese 08 <input type="checkbox"/> Korean 09 <input type="checkbox"/> Vietnamese 10 <input type="checkbox"/> Other Asian—Specify _____ 11 <input type="checkbox"/> Native Hawaiian 12 <input type="checkbox"/> Guamanian or Chamorro 13 <input type="checkbox"/> Samoan 14 <input type="checkbox"/> Other Pacific Islander—Specify _____ 15 <input type="checkbox"/> Other—Specify _____	DECEDENT'S LEGAL NAME (Type or Print) _____		
25. CAUSE OF DEATH – List only one cause on each line. DO NOT ABBREVIATE.				
PART I	a. IMMEDIATE CAUSE	APPROXIMATE INTERVAL: ONSET TO DEATH		
	b. DUE TO OR AS A CONSEQUENCE OF			
	c. DUE TO OR AS A CONSEQUENCE OF			
	d. DUE TO OR AS A CONSEQUENCE OF			
PART II	OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH but not resulting in the underlying cause given in Part I. Include operation information.			
26a. Was an autopsy performed? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	27a. If Female 1 <input type="checkbox"/> Not pregnant within 1 year of death 2 <input type="checkbox"/> Pregnant at time of death 3 <input type="checkbox"/> Not pregnant at death, but pregnant within 42 days of death 4 <input type="checkbox"/> Not pregnant at death, but pregnant 43 days to 1 year before death 5 <input type="checkbox"/> Unknown if pregnant within 1 year of death	27b. If pregnant within one year of death, outcome of pregnancy 1 <input type="checkbox"/> Live Birth 2 <input type="checkbox"/> Spontaneous Termination/ Ectopic Pregnancy 3 <input type="checkbox"/> Induced Termination 4 <input type="checkbox"/> None	27c. Date of Outcome mm dd yyyy	28. Was this case referred to OCME? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
29. Did tobacco use contribute to death? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Probably 4 <input type="checkbox"/> Unknown	30. For infant under one year: Name and address of hospital or other place of birth _____			
I am submitting herewith a confidential report of the cause of death.				
SIGNATURE _____	D.O. M.D.	ADDRESS _____	LICENSE NO. _____	

CAUSE OF DEATH—Enter the chain of events—diseases, complications or abnormalities—that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology.

IMMEDIATE CAUSE → FINAL disease or condition resulting in death.

Sequentially list conditions, if any, leading to the cause listed on line a. Enter the UNDERLYING CAUSE (disease that initiated the events resulting in death) LAST.

OPERATION—Enter in Part II information on operation or procedure related to disease or conditions listed in Part I.

SUBSTANCE USE Include the use of tobacco, alcohol or other substance if this caused or contributed to death. SPECIFY IN PART I or PART II.

CERTIFICATE OF DEATH

Certificate No. _____

- New
- Corr/Amend
- Replacement

**DOHMH
USE ONLY**

**1. DECEDENT'S
LEGAL NAME**

(First Name) _____ (Middle Name) _____ (Last Name) _____

THIS CERTIFICATE NOT VALID UNLESS FILED IN THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE

BOR
INST
MANNER
RESIDENCE
CODE
BP
LDIS
H
ANC
NH
ANC
ICD
AUT

MEDICAL CERTIFICATE OF DEATH <small>(To be filled in by the OCME)</small>	Place Of Death	2a. New York City 2b. Borough	2c. Type of Place 1 <input type="checkbox"/> Hospital Inpatient 2 <input type="checkbox"/> Emergency Dept./Outpatient 3 <input type="checkbox"/> Dead on Arrival	4 <input type="checkbox"/> Nursing Home/Long Term Care Facility 5 <input type="checkbox"/> Hospice Facility 6 <input type="checkbox"/> Decedent's Residence 7 <input type="checkbox"/> Other Specify _____	2d. Name of hospital or other facility (if not facility, street address)			
	Date and Time of Death or Found Dead		3a. (Month) (Day) (Year-yyyy)	3b. Time <input type="checkbox"/> AM <input type="checkbox"/> PM	4. Sex	5. OCME Case No.		
	CAUSE OF DEATH	PART I	a. Immediate cause					
			b. Due to or as a consequence of					
			c. Due to or as a consequence of					
	PART II		Other significant conditions contributing to death but not resulting in the underlying cause given in Part I. Include operation information.					
	7a. Injury Date (mm dd yyyy)		7b. Time <input type="checkbox"/> AM <input type="checkbox"/> PM	7c. At Work 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	7d. Place of Injury – At home, factory, street, etc.			
					7e. Location			
	7f. How Injury Occurred							
	7g. If Transportation Injury Specify <input type="checkbox"/> Driver/Operator <input type="checkbox"/> Pedestrian <input type="checkbox"/> Passenger <input type="checkbox"/> Other Specify _____		8. Manner of Death <input type="checkbox"/> Pending further study <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Suicide <input type="checkbox"/> Undetermined		9. Autopsy <input type="checkbox"/> Yes <input type="checkbox"/> No Autopsy Pursuant to Law <input type="checkbox"/> No Autopsy		10. On the basis of examination and/or investigation, in my opinion, death occurred due to the causes and manner as stated: Certifier Signature _____ M.D. Date _____ Certifier Name (Print) _____ (Medical Investigator) (Deputy Chief) (Chief) (Medical Examiner)	
11a. Usual Residence State	11b. County	11c. City or Town		11d. Street and Number Apt. No. ZIP Code	11e. Inside City Limits? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No			
12. Date of Birth (Month) (Day) (Year-yyyy)		13. Age at last birthday (years) 1 _____		Under 1 Year Months 2 _____ Days 3 _____	Under 1 Day Hours 4 _____ Minutes 5 _____	14. Social Security No.		
15a. Usual Occupation (Type of work done during most of working life. Do not use "retired")			15b. Kind of business or industry		16. Aliases or AKAs			
17. Birthplace (City & State or Foreign Country)		18. Education (Check the box that best describes the highest degree or level of school completed at the time of death) 1 <input type="checkbox"/> 8th grade or less; none 2 <input type="checkbox"/> 9th – 12th grade; no diploma 3 <input type="checkbox"/> High school graduate or GED 4 <input type="checkbox"/> Some college credit, but no degree 5 <input type="checkbox"/> Associate degree (e.g., AA, AS) 6 <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) 7 <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 8 <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)						
19. Ever in U.S. Armed Forces? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		20. Marital Status at Time of Death 1 <input type="checkbox"/> Married 2 <input type="checkbox"/> Divorced 3 <input type="checkbox"/> Married, but separated 4 <input type="checkbox"/> Never married 5 <input type="checkbox"/> Widowed 6 <input type="checkbox"/> Unknown		21. Surviving Spouse's Name (If wife, name prior to first marriage) (First, Middle, Last)				
22. Father's Name (First, Middle, Last)				23. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)				
24a. Informant's Name			24b. Relationship to Decedent		24c. Address (Street and Number Apt. No. City & State ZIP Code)			
25a. Method of Disposition 1 <input type="checkbox"/> Burial 2 <input type="checkbox"/> Cremation 3 <input type="checkbox"/> Entombment 4 <input type="checkbox"/> City Cemetery 5 <input type="checkbox"/> Other Specify _____				25b. Place of Disposition (Name of cemetery, crematory, other place)				
25c. Location of Disposition (City & State or Foreign Country)					25d. Date of Disposition mm dd yyyy			
26a. Funeral Establishment				26b. Address (Street and Number City & State ZIP Code)				

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE
MEDICAL EXAMINER'S SUPPLEMENTARY REPORT

VR 16 (Rev. 01/03)

Certificate No. _____

To be filled in by FUNERAL DIRECTOR or, in case of City Burial, by OCME	
27. Ancestry (Check one box and specify) <input type="checkbox"/> Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.) Specify _____ <input type="checkbox"/> NOT Hispanic (Italian, African American, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.) Specify _____	28. Race as defined by the U.S. Census (Check one or more to indicate what the decedent considered himself or herself to be) 01 <input type="checkbox"/> White 02 <input type="checkbox"/> Black or African American 03 <input type="checkbox"/> American Indian or Alaska Native (Name of enrolled or principal tribe) _____ 04 <input type="checkbox"/> Asian Indian 05 <input type="checkbox"/> Chinese 06 <input type="checkbox"/> Filipino 07 <input type="checkbox"/> Japanese 08 <input type="checkbox"/> Korean 09 <input type="checkbox"/> Vietnamese 10 <input type="checkbox"/> Other Asian—Specify _____ 11 <input type="checkbox"/> Native Hawaiian 12 <input type="checkbox"/> Guamanian or Chamorro 13 <input type="checkbox"/> Samoan 14 <input type="checkbox"/> Other Pacific Islander—Specify _____ 15 <input type="checkbox"/> Other—Specify _____
DECEDENT'S LEGAL NAME (Type or Print) _____	

29a. If Female 1 <input type="checkbox"/> Not pregnant within 1 year of death 2 <input type="checkbox"/> Pregnant at time of death 3 <input type="checkbox"/> Not pregnant at death, but pregnant within 42 days of death 4 <input type="checkbox"/> Not pregnant at death, but pregnant 43 days to 1 year before death 5 <input type="checkbox"/> Unknown if pregnant within 1 year of death	29b. If pregnant within one year of death, outcome of pregnancy 1 <input type="checkbox"/> Live Birth 2 <input type="checkbox"/> Spontaneous Termination / Ectopic Pregnancy 3 <input type="checkbox"/> Induced Termination 4 <input type="checkbox"/> None	29c. Date of Outcome <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; border: 1px solid black; text-align: center;">mm</td> <td style="width: 33%; border: 1px solid black; text-align: center;">dd</td> <td style="width: 33%; border: 1px solid black; text-align: center;">yyyy</td> </tr> <tr> <td style="height: 20px;"></td> <td style="height: 20px;"></td> <td style="height: 20px;"></td> </tr> </table>	mm	dd	yyyy			
mm	dd	yyyy						
30. Did tobacco use contribute to death? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Probably 4 <input type="checkbox"/> Unknown	31. For infant under one year: Name and address of hospital or other place of birth							

**Cleared For Cremation
 If Family Requests**

 M.E. Signature

I certify that I personally examined the body on _____ at _____
 (Date) (Location)

SIGNATURE: _____
 (Medical Investigator) (Deputy Chief) (Chief) (Medical Examiner)

or

I did not personally examine the body after death.

SIGNATURE: _____
 (Deputy Chief) (Chief) (Medical Examiner)

DATE FILED

CERTIFICATE OF SPONTANEOUS TERMINATION OF PREGNANCY

Certificate No. _____

Did heart beat after delivery? _____ Was there movement of voluntary muscle? _____
Such cases must be reported by filing a certificate of birth and a certificate of death

1. SEX OF FETUS <input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Undetermined	2a. NUMBER DELIVERED this pregnancy 2b. If more than one, number in order of delivery	3. DATE OF DELIVERY OR OPERATION FOR DELIVERY (Month) (Day) (Year-yyyy)	3a. Hour <input type="checkbox"/> AM <input type="checkbox"/> PM
4. PLACE OF DELIVERY	4a. NEW YORK CITY BOROUGH OF _____	4b. Name of HOSPITAL (if not in institution street address)	
5a. MOTHER'S FULL MAIDEN NAME		5b. MOTHER'S DATE OF BIRTH (Month) (Day) (Year-yyyy)	5c. MOTHER'S BIRTHPLACE City & State or foreign country
6. MOTHER'S USUAL RESIDENCE a. State b. County c. City, town, or location			d. Street and house number Apt. Zip
7a. FATHER'S FULL NAME			7b. FATHER'S DATE OF BIRTH (Month) (Day) (Year-yyyy)
7c. FATHER'S BIRTHPLACE City & State or foreign country			e. Inside city limits of 6c? Yes <input type="checkbox"/> No <input type="checkbox"/>
8. I HEREBY CERTIFY THAT THIS DELIVERY OCCURRED AT THE HOUR AND ON THE DATE STATED ABOVE, THAT ALL THE FACTS STATED IN THIS CERTIFICATE ARE TRUE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.			
9. NAME OF ATTENDANT (AT) (AFTER) DELIVERY		Signature _____ Name of Physician _____ (Type or Print)	
R.N. C.N.M. Other Midwife D.O. M.D.			
Date _____, Year-yyyy _____ Address _____			

FUNERAL DIRECTOR'S CERTIFICATE

I hereby certify that I have been employed as Funeral Director herein by _____

of _____ (Address) This statement is made to obtain a permit for the disposition of this fetus _____ (Signature of Funeral Director) _____ (State License No.)

Funeral Establishment _____ Registration No. _____ Address _____

PLACE OF BURIAL OR CREMATION _____ DATE OF BURIAL OR CREMATION _____

THIS CERTIFICATE NOT VALID UNLESS FILED IN THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE
 1. Typewrite or print with black fine point ink.
 2. Certificates containing alterations or omissions are unacceptable.
 3. Items "Date filed," "Certificate No.," and this space, reserved for Department of Health and Mental Hygiene use only.
 I CERTIFY THAT I HAVE IN MY POSSESSION AN AFFIDAVIT OF AUTHORIZATION FOR CREMATION

FD Initials _____

VITAL RECORDS

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

THE CITY OF NEW YORK

CONFIDENTIAL MEDICAL REPORT

Only for scientific purposes approved by the Commissioner. Not open to inspection or subject to subpoena

SURNAME OF MOTHER: _____

CERTIFICATE NO. _____

	10. Race-White, Black, American Indian, Chinese, Asian Indian, Other <i>specify</i>	11. Ancestry (African -American, Chinese, Cuban, German Italian, Puerto Rican etc.)	12. Education (Record highest year completed) Elem/Secondary 0 - 12 College 1-4 or 5 +	13. Occupation: Mother, most recent Father, usual	14. Kind of business or industry	15. Employed During This Pregnancy 15a. 1 <input type="checkbox"/> Yes 0 <input type="checkbox"/> No
MOTHER	10a.	11a.	12a.	13a.	14a.	15a.
FATHER	10b.	11b.	12b.	13b.	14b.	

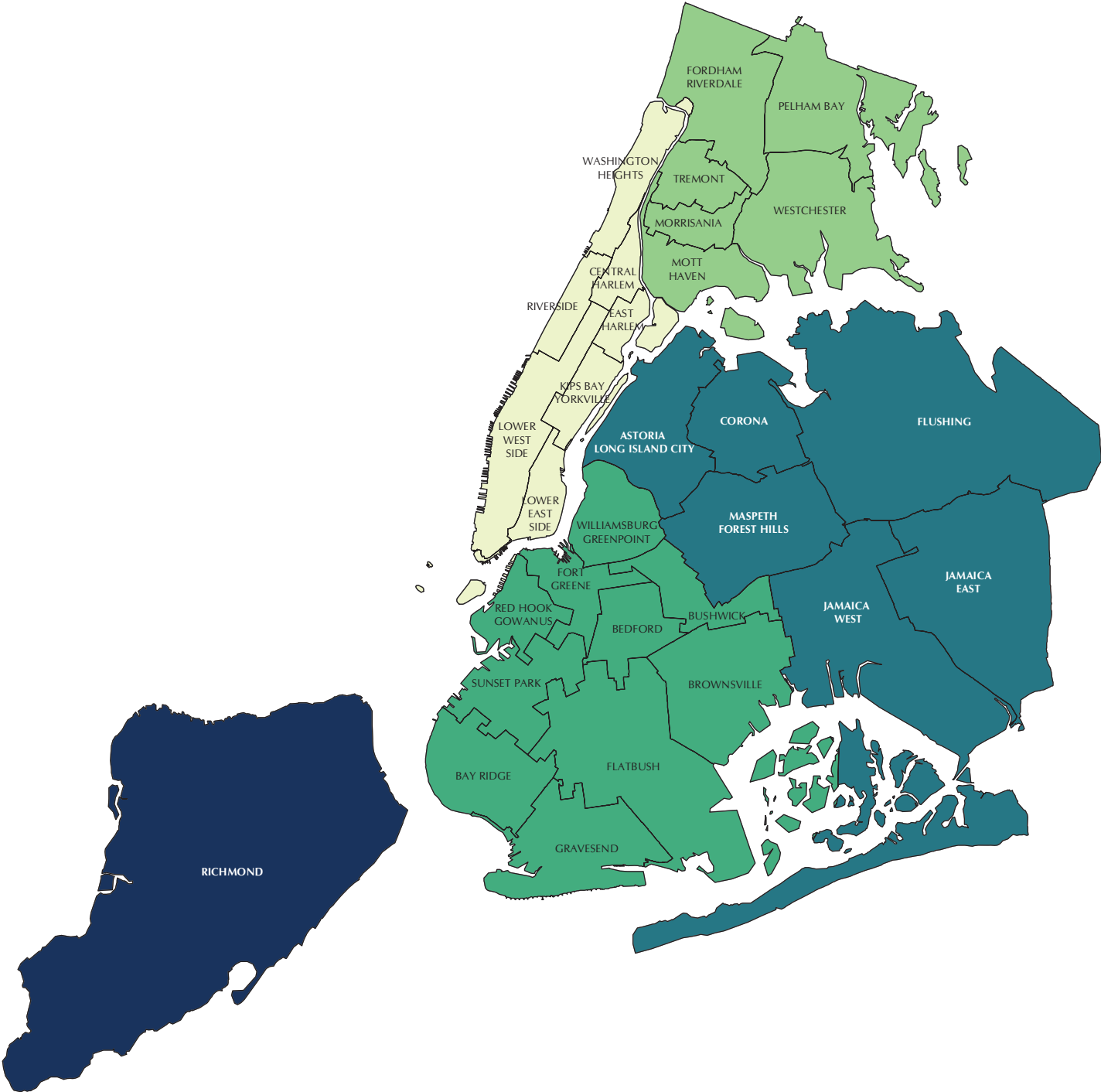
16. Last Normal Menses Began Mo./Day/Yr-yyy	17. Previous Pregnancies (Complete all sections)							
	a. Total Previous Pregnancies Number _____ None <input type="checkbox"/>	Born Alive		Spontaneous Terminations			Induced Terminations	
	b. Now Living Number _____ None <input type="checkbox"/>	c. Now Dead Number _____ None <input type="checkbox"/>	d. Under 13 Wks Number _____ None <input type="checkbox"/>	e. 13 to 19 Wks Number _____ None <input type="checkbox"/>	f. 20 Wks or more Number _____ None <input type="checkbox"/>	g. Under 13 Wks Number _____ None <input type="checkbox"/>	h. 13 to 19 Wks Number _____ None <input type="checkbox"/>	i. 20 Wks or more Number _____ None <input type="checkbox"/>
18. Weight at Delivery _____ lbs _____ ozs (1) OR _____ grams (2) <input type="checkbox"/> Not Weighed (3)	20. Clinical Estimate of Gestation _____ Weeks		22. This Termination of Pregnancy was caused by P A R T 1 a. Immediate Cause _____ b. Due to _____ c. Due to _____					Fetal or Maternal
19. Autopsy performed 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	21. Fetus Died: Before Labor During Labor At Delivery Unknown		PART 2. Other significant conditions of conceptus or mother _____					
	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>				

23. Pregnancy History	Date Month Year-yyy	24. Prenatal Care			25. Mother's Blood Group and Rh	26. Congenital Anomalies <i>Specify</i>
a. First Live Birth		a. Date First Visit To Any Provider Month Day Year-yyy	b. Providers <i>Check all that apply</i> 1 <input type="checkbox"/> Hosp. 4 <input type="checkbox"/> SHF 2 <input type="checkbox"/> MIC 5 <input type="checkbox"/> Pvt Phy 6 <input type="checkbox"/> Other 3 <input type="checkbox"/> Other Clinic	c. Total Number Of Visits to All Providers 0 <input type="checkbox"/> NONE		27a. Type of Anesthesia <i>Specify</i>
b. Last Live Birth						b. Type of Analgesia <i>Specify</i>
c. Last Other Termination						

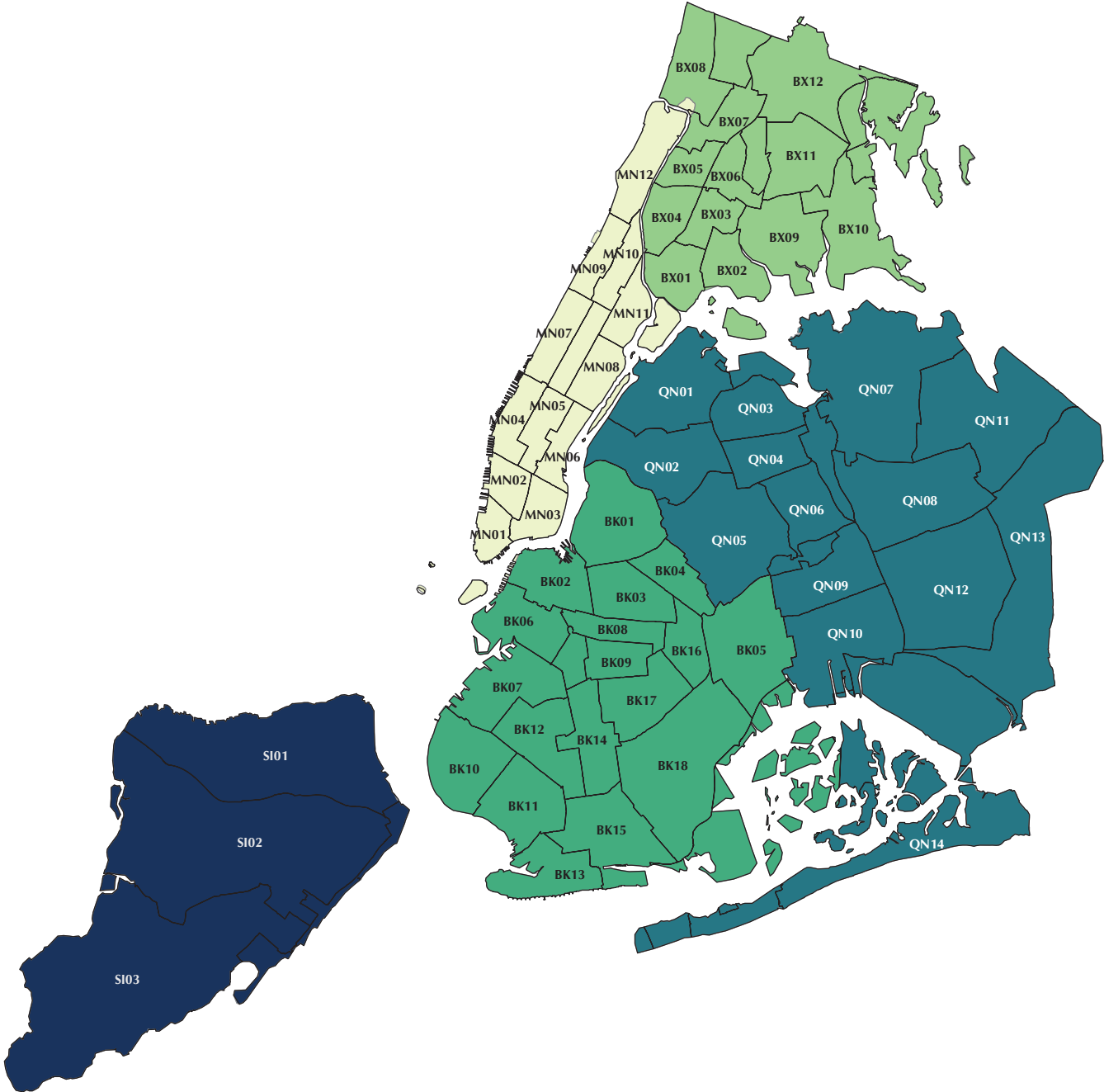
28. Primary Financial Coverage This Pregnancy 1 <input type="checkbox"/> Medicaid 2 <input type="checkbox"/> HMO 3 <input type="checkbox"/> Other 3rd Party 4 <input type="checkbox"/> Self	29. During This Pregnancy Did Mother Participate in: 1 <input type="checkbox"/> WIC 4 <input type="checkbox"/> AFDC 2 <input type="checkbox"/> PCAP 5 <input type="checkbox"/> Other 3 <input type="checkbox"/> MOMS <i>Specify</i> _____ 0 <input type="checkbox"/> None	30. Mother Was 1 <input type="checkbox"/> Private Physician's Patient 2 <input type="checkbox"/> General Services Patient	31. Was Hospital Of This Delivery a: 1 <input type="checkbox"/> Prelabor Referral for High Risk 2 <input type="checkbox"/> Emergency Transfer Prior To Delivery <i>Specify Transfer From</i> _____ 0 <input type="checkbox"/> Neither
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32. MEDICAL RISK FACTORS FOR THIS PREGNANCY <i>(Check all that apply)</i> 01 <input type="checkbox"/> Anemia (Hct. < 30/Hgb. < 10) 02 <input type="checkbox"/> Cardiac disease 03 <input type="checkbox"/> Acute or chronic lung disease Diabetes 04 <input type="checkbox"/> Gestational 05 <input type="checkbox"/> Chronic 06 <input type="checkbox"/> Genital herpes 07 <input type="checkbox"/> Other STD 08 <input type="checkbox"/> Hydramnios/Oligohydramnios 09 <input type="checkbox"/> Hemoglobinopathy 10 <input type="checkbox"/> Hepatitis Hypertension 11 <input type="checkbox"/> Chronic 12 <input type="checkbox"/> Pregnancy-associated 13 <input type="checkbox"/> Preeclampsia 14 <input type="checkbox"/> Eclampsia 15 <input type="checkbox"/> Incompetent cervix 16 <input type="checkbox"/> Previous infant 4000 + grams 17 <input type="checkbox"/> Previous preterm or small-for-gestational-age infant 18 <input type="checkbox"/> Renal disease 19 <input type="checkbox"/> Rh sensitization Uterine bleeding 21 <input type="checkbox"/> Trimester - 1 22 <input type="checkbox"/> Trimester - 2 23 <input type="checkbox"/> Trimester - 3 00 <input type="checkbox"/> None 24 <input type="checkbox"/> Other _____	33. OTHER RISK FACTORS FOR THIS PREGNANCY <i>(Check all that apply)</i> a. Tobacco use during pregnancy Average number of cigarettes per day _____ Alcohol use during pregnancy Average number of drinks per week _____ Heroin 3 <input type="checkbox"/> Yes <input type="checkbox"/> No Cocaine 4 <input type="checkbox"/> Yes <input type="checkbox"/> No Methadone 5 <input type="checkbox"/> Yes <input type="checkbox"/> No Marijuana 6 <input type="checkbox"/> Yes <input type="checkbox"/> No Sedatives, Tranquilizers, Anticonvulsants <i>Specify</i> _____ 7 Other Drugs <i>Specify</i> _____ 8 0 <input type="checkbox"/> None of the above b. Weight Prepregnancy Weight _____ Weight gained during pregnancy _____ c. Radiation exposure during pregnancy? 0 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes If yes specify Trimester and Type 34. Prior C-section 0 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes	35. COMPLICATIONS OF LABOR AND/OR DELIVERY <i>(Check all that apply)</i> 01 <input type="checkbox"/> Anesthetic complications 02 <input type="checkbox"/> Abruptio placenta 03 <input type="checkbox"/> Placenta previa 04 <input type="checkbox"/> Other excessive bleeding 05 <input type="checkbox"/> Cord Prolapse 06 <input type="checkbox"/> Conditions of Cord 07 <input type="checkbox"/> Fetal distress 08 <input type="checkbox"/> Cephalopelvic disproportion 09 <input type="checkbox"/> Chorioamnionitis 10 <input type="checkbox"/> Meconium staining 11 <input type="checkbox"/> Premature rupture of membranes (> 12 hours) 12 <input type="checkbox"/> Seizures during labor 13 <input type="checkbox"/> Precipitous labor (< 3 hours) 14 <input type="checkbox"/> Prolonged labor (> 20 hours) 15 <input type="checkbox"/> Failure to Progress 16 <input type="checkbox"/> Breech/Malpresentation 17 <input type="checkbox"/> Febrile (> 100°F. or > 38°C) 00 <input type="checkbox"/> None 18 <input type="checkbox"/> Other _____ <i>Specify</i> 36. METHOD OF DELIVERY <i>(Check all that apply)</i> 01 <input type="checkbox"/> Vaginal 02 <input type="checkbox"/> Vaginal after any prior C-section 03 <input type="checkbox"/> Primary C-section 04 <input type="checkbox"/> Repeat C-section 05 <input type="checkbox"/> Breech Extraction 06 <input type="checkbox"/> Mid Forceps 07 <input type="checkbox"/> Low Forceps 08 <input type="checkbox"/> Vacuum 09 <input type="checkbox"/> Other, <i>Specify</i>	37. Indication for C-section <i>Specify</i> 38. OBSTETRIC PROCEDURES <i>(Check all that apply)</i> a. Amniocentesis 01 <input type="checkbox"/> Genetic 02 <input type="checkbox"/> Maturity 03 <input type="checkbox"/> Stress Test 04 <input type="checkbox"/> Non Stress Test Electronic Fetal Monitoring 05 <input type="checkbox"/> Internal 06 <input type="checkbox"/> External 07 <input type="checkbox"/> Scalp Sampling 08 <input type="checkbox"/> Tocolysis 09 <input type="checkbox"/> Other <i>Specify</i> _____ 00 <input type="checkbox"/> None b. Induction 01 <input type="checkbox"/> Stimulation 03 <input type="checkbox"/> Both 00 <input type="checkbox"/> Neither Indication for Induction or Stimulation <i>Specify</i> _____ c. Ultrasonography exams Number _____ 0 <input type="checkbox"/> None 39. Other Procedures Performed at Delivery <i>Specify</i> _____ 0 <input type="checkbox"/> None
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Map 7. Health Center Districts and Boroughs, New York City



Map 8. Community Districts and Boroughs, New York City



HIGHLIGHTS, 2006 (Continued)

The number of HIV disease deaths decreased 14.8% from 1,419 in 2005 to 1,209 in 2006; this decrease occurred among all ethnic groups and gender. Numbers at this level have not been reported since 1984 and 1985 with 952 and 1,663 AIDS deaths, respectively. Diabetes mellitus deaths decreased from 1,813 in 2005 to 1,708 in 2006, after a 4.6% increase from 2004 to 2005. Deaths due to influenza/pneumonia decreased by 11.7%, and deaths due to chronic lower respiratory disease decreased by 12.3% from 2005 to 2006. Alzheimer's disease deaths dropped slightly from 169 deaths in 2005 to 161 in 2006, and remains the 9th leading cause of death in the 85-and-over age group, up from 10th in 2004.

While the number of premature deaths (deaths occurring under age 65) decreased from 17,232 deaths in 2005 to 16,768 in 2006, the proportion of these deaths stayed virtually the same at approximately 30% (Table 5a). The top three leading causes of pre-mature death remain the same – cancer, heart disease, and HIV disease. Decreases in the number of premature deaths were seen among most leading causes of death except use of or poisoning by psychoactive substance with an increase of 8.6%, homicide with an increase of 6.1%, diabetes with an increase of 6.4% and cerebrovascular disease with an increase of 5.5%. While overall premature cancer deaths decreased, there was an increase in cancer of the colon, rectum and anus (17%).

Notable Changes in Causes of Death – A special investigation report, released by the Department of Health and Mental Hygiene in November 2006, reported on 46 deaths resulting from the 2 heat waves. Three more deaths due to excessive heat were later linked to these heat waves. Deaths due to exposure to excessive natural cold decreased from 16 deaths in 2005 to 9 deaths in 2006. Fatal occupational injuries increased from 88 in 2005 to 99 in 2006, returning to a level comparable to that seen most years since reporting started in 1996. There was a large increase in construction related deaths, from 23 in 2005 to 43 in 2006.

Life Expectancy – Life expectancy stayed stable at 75.7 for males and rose from 81.1 in 2004 to 81.3 for females in 2005 (Table 23). This translates to an increase of about 2 and a half months for females. As a result, the overall life expectancy increased 0.1 year from 78.6 in 2004 to 78.7 in 2005. Data from 2006 are not included since deaths occurring to NYC residents outside of NYC are not yet available.

Induced Terminations of Pregnancy – Reported induced terminations of pregnancy in 2006 were 90,157, 1,266 more than in 2005. 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 increased to 7,006 in 2006 from 6,971 in 2005, accounting for 10% of all procedure types reported

Special Sections: Smoking-Attributable Deaths and Alcohol-Attributable Deaths - Smoking and alcohol, both preventable causes of significant illness and death, have been identified as Take Care New York (TCNY) priorities and thus been the focus of targeted DOHMH interventions since TCNY's inception. The Special Sections (pages 69-70) present the number of New York City deaths attributable to smoking and alcohol in recent years.

Smoking-attributable deaths in adults aged 35 years and older decreased 11.2% over the past 5 years, from 8,722 in 2002 to 7,744 in 2006. Most of that decline was due to the impact of reduced smoking on cardiovascular-related deaths including heart disease and stroke. Cardiovascular-related deaths were 3,782 in 2002 and 3,241 in 2006, a 14% decline. The number of smoking-attributable deaths from other causes also declined in the past 5 years, including cancer of the trachea, lung and bronchus (8% decrease) and chronic airway obstruction (17% decrease). The full benefit of smoking cessation may not yet be realized as it may take longer to translate into reduction in the number of deaths.

Alcohol-attributable deaths in adults aged 20 and older also decreased, from 1,771 in 2001 to 1,563 in 2006. A reduction in the number of deaths from 2001 to 2006 is worth noting for the three leading alcohol-related causes of death: alcoholic liver disease declined 11.3%, from 345 to 306 deaths; alcohol dependence syndrome declined 36.9% from 312 to 197 deaths; and homicide declined 7.7% from 300 to 277 deaths.

New and Expanded Tables and Figures - The following new tables were added or expanded in the 2006 Summary of Vital Statistics:

Table 27a/b The Spontaneous Termination of Pregnancy information now found in new Tables 27a and 27b was found in prior Annual Summaries at the bottom of tables 32 and 33, respectively.

Table 42b Table 42b in prior summaries was Table 43.
Table 43 Infant Deaths by Ethnic Group, Sex and Age now found in Table 43 was found in prior Annual Summaries at the top of Table 44.

Figure 28 Fetal-infant Mortality Rates per 1000 Births and Fetal Deaths, NYC, 1999-2006.

Special Section B Alcohol-Attributable Deaths, NYC, 2001-2006.

NYC Vital Event Certificates
Pages 77-86 contain copies of NYC Vital Events Certificates.

HIGHLIGHTS, 2006

Births - The number of live births registered in 2006 increased 2.3% to 125,506 from 122,725 in 2005 (Table 1), lower than the 3% increase observed nationally and the largest increase in births in NYC since 1988. The number of births to teenagers increased 1.8% to 8,695, but as a percentage of all live births decreased to 6.9% (Table 39). This is the first time since 1994 in NYC that the number of births to teenagers has increased. Nationally, there was a 3% increase in teen birth rate, the first time since 1991. Local geographic disparities persist; the Bronx continued to have the highest percent of teen births at 11.8%, approximately two times higher than the percent of live births to teenagers in Manhattan at 5.8%, and Staten Island at 6.0%. Queens and Brooklyn follow the Bronx with 6.1% and 7.0% of live births to teenagers, respectively.

Infant Deaths - The infant mortality rate (IMR) reached an all time low of 5.9 infant deaths (under one year of age) per 1,000 live births in 2006 (Table 34). In the last 10 years IMR has declined 16.9% from 7.1 to 5.9. The IMR for the Bronx remains higher than the City average, increasing from 6.2 in 2005 to 7.1 in 2006.

In 2006, there were 10 deaths (7 males and 3 females) due to Sudden Infant Death Syndrome (SIDS) (Table 4). This is the third consecutive year that SIDS is not ranked as one of the 10 leading causes of death for infants under one year of age.

We continue to use the “perinatal periods of risk (PPOR)” method to identify “periods of risk” for mother, fetus, and infant (page 66-68). Total fetal-infant mortality declined 6.3% from 7.9 deaths per 1,000 live births reported in 2002 to 7.4 deaths per 1,000 live births reported in 2006. The highest mortality rates for the rolling 5 year period (now 2002 - 2006) continues to occur in the Maternal

Health/Prematurity period. However, slight reductions are seen with striking disparities among mother’s ethnic group. Non-Hispanic black women had the highest rate at 6.9 per 1,000 live births; Puerto Rican women continue to follow at 4.0; other Hispanic women are next at 3.1 followed by Non-Hispanic whites and Asian and Pacific Islanders at 2.1 each.

Total fetal-infant mortality also varies by borough and community district mirroring IMR and neonatal mortality with the highest rates in the Bronx at 9.3 per 1,000 live births followed by Brooklyn (8.6 per 1,000 live births), Queens (6.4 per 1,000 live births), Staten Island (6.1 per 1,000 live births) and Manhattan (5.9 per 1,000 live births).

Deaths - The number of deaths in New York City decreased 2.9% from 57,068 in 2005 to 55,391 in 2006, resulting in a reduction in the death rate from 6.9 in 2005 to 6.7 per 1,000 population in 2006, an historic low (Table 1). Mean age at death increased 0.1 year, from 71.4 to 71.5 (Table 3).

Heart disease, cancer, and influenza/pneumonia, in that order, remained the top three leading causes of death in 2006 (Table 5). Among the top 10 causes of death, there were increases in two causes: cerebrovascular disease, the fifth leading cause of death, with a 1.3% increase, and use of or poisoning by psychoactive substance, the ninth leading cause of death, with an 8.0% increase. All remaining causes of death – heart disease, cancer, influenza/pneumonia, diabetes mellitus, chronic lower respiratory diseases, HIV disease, accidents except poisoning by psychoactive substance, and essential hypertension and renal diseases – decreased in number.

(Highlights continued on inside back cover)



DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Bureau of Vital Statistics

Michael R. Bloomberg, Mayor
Thomas R. Frieden, M.D., M.P.H., Commissioner

<http://www.nyc.gov/health>

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