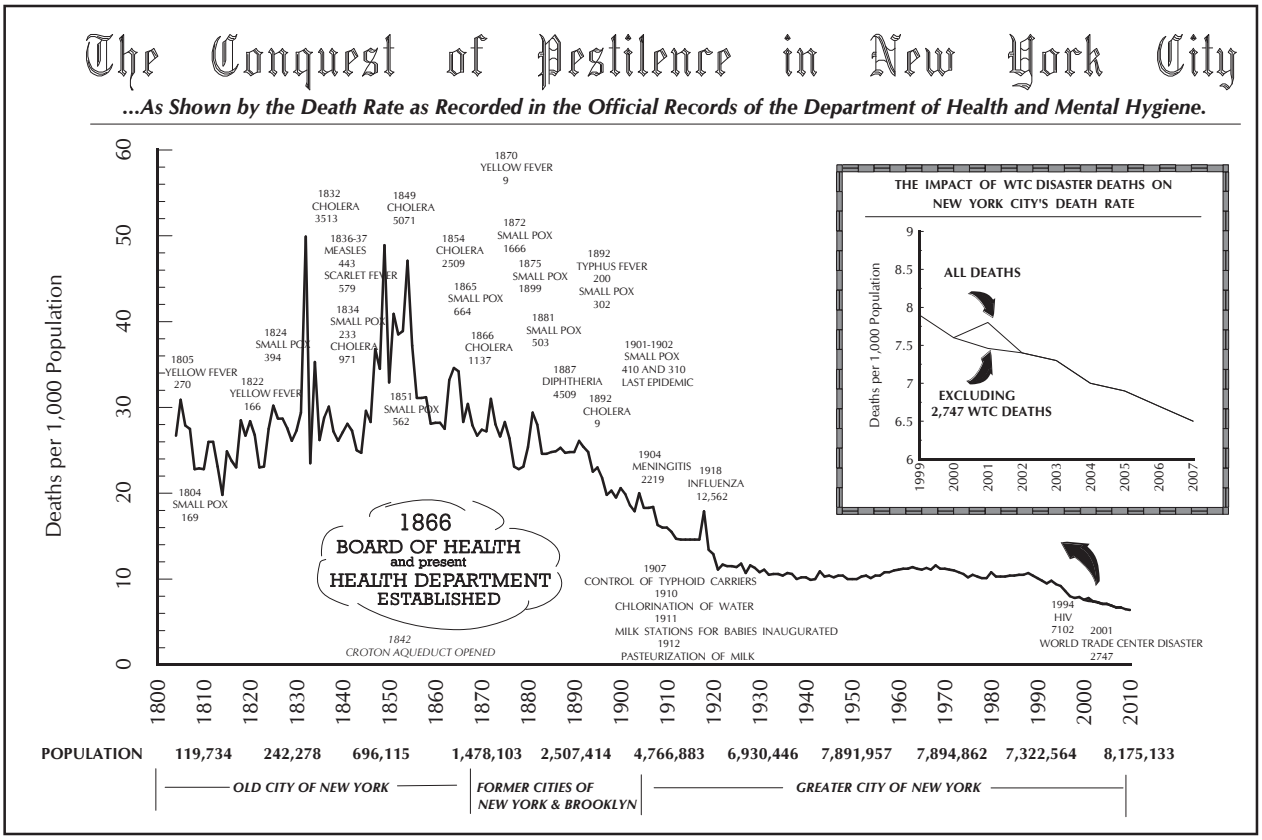
SUMMARY OF VITAL STATISTICS 2010
THE CITY OF NEW YORK



BUREAU OF VITAL STATISTICS, NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
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Michael R. Bloomberg, Mayor Thomas Farley, MD, MPH, Commissioner

SUMMARY OF VITAL STATISTICS 2010
THE CITY OF NEW YORK

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December 2011

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This publication is available online at http://www.nyc.gov/vitalstats.

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NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Thomas Farley, MD MPH
Commissioner

Dear Fellow New Yorker:

For nearly 150 years, the New York City Department of Health and Mental Hygiene has met a myriad of public health challenges: from epidemics of Yellow Fever and cholera in the 1800s, and AIDS and tuberculosis in the 1900s, to today's epidemic of chronic diseases, including heart disease, cancer, diabetes, and the risk factors that lead to them, such as smoking and obesity. In responding to these threats, we touch the lives of more than 8 million New Yorkers.

New Yorkers are becoming healthier. The smoking rate is the lowest it has been since 2002, fewer New Yorkers are consuming sugar-sweetened beverages and more are consuming fruits and vegetables, and the air quality continues to improve.

Each year, our *Summary of Vital Statistics* presents data on numerous, important health indicators, such as the infant mortality rate and leading causes of death. We use this information to monitor the health of New Yorkers and track areas where we've made progress or that need additional attention.

Here are some highlights from our 2010 report:

- The overall death rate hit an all-time low of 6.4 per 1,000 population in 2010: almost 8,000 fewer people died than in 2000.
- Life expectancy at birth for New Yorkers reached an all-time high of 80.6 years in 2009.
- The infant mortality rate continues to decline and reached an all-time low of 4.9 deaths per 1,000 live births, surpassing the Take Care New York 2012 goal.

Other important health indicators are highlighted in the *Executive Summary* beginning on the next page. Vital Statistics data help us determine how we can continue to adapt to New York's constantly changing health challenges. But there is one thing that has not changed over the past one hundred fifty years. We have never altered our goal: to help all New Yorkers live longer and healthier lives.

Sincerely,

Thomas Farley, MD MPH
Commissioner

EXECUTIVE SUMMARY OF THE ANNUAL SUMMARY OF VITAL STATISTICS

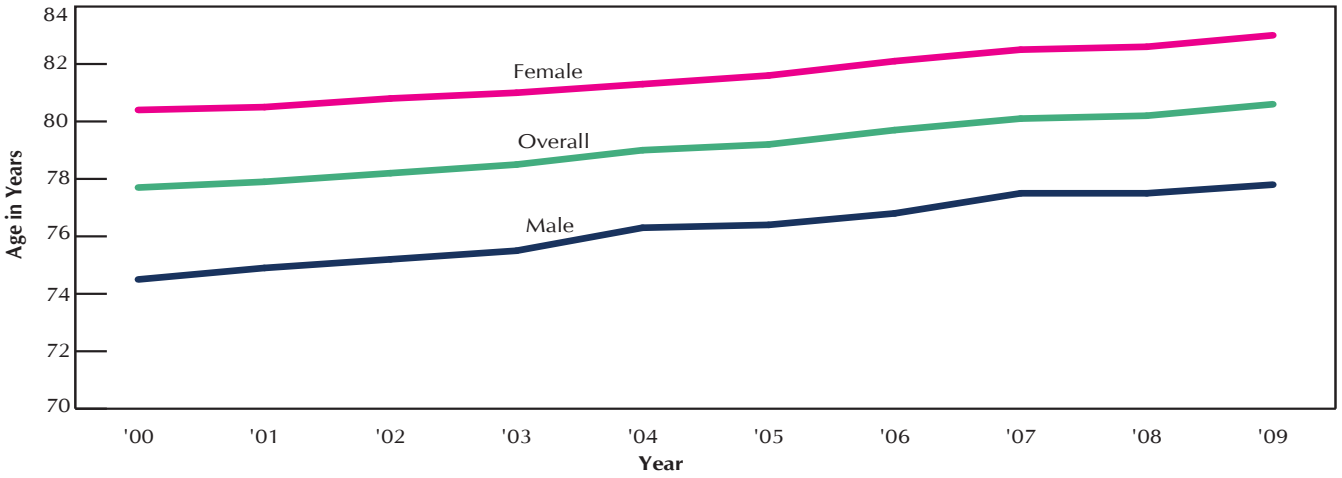
EXECUTIVE SUMMARY, 2010
RECENT TRENDS IN NEW YORK CITY VITAL STATISTICS

- The 2009 New York City life expectancy, the latest year this statistic is available, reached an historic high of 80.6 years, a 3.7% (35 months) increase since 2000 and a 0.5% (5 months) increase since 2008.
- The 2010 NYC death rate reached an historic low of 6.4 deaths per 1,000 population, a 14.7% decline from 7.5 in 2001 and a 1.5% decline from 6.5 in 2009.
- Heart disease, cancer, and influenza/pneumonia continue to rank as the top three leading causes of death and all have declined in the last decade. The recent sharper decline in heart disease since last year (11.3%) is likely partly attributed to a cause of death quality improvement intervention (see Special Section in the Population and Mortality Report).
- First appearing among the top 10 leading causes of death in 2002, essential hypertension and hypertensive renal disease death rates increased 11.3% since 2009, and 33.3% since 2001, the greatest percent increase among all leading causes in the last 10 years.
- The infant mortality rate continued to steadily decline. In 2010, 4.9 infants per 1,000 live births died within their first year of life. Therefore, the Take Care New York goal of a citywide infant mortality rate of 5.0 by 2012 has already been met.
- Teen (15 to 19 years of age) birth rates declined nearly 33% from 40.6 births per 1,000 population in 2001 to 27.4 births per 1,000 population in 2010, down 5.2% from last year alone.

This executive summary summarizes the findings of the New York City's *Annual Summary of Vital Statistics, 2010*. Complete methods and results are available at: **http://home2.nyc.gov/html/doh/html/vs/summary-of-vital-statistics.shtml**.

LIFE EXPECTANCY IN NEW YORK CITY

Life Expectancy at Birth, Overall and by Sex, New York City, 2000-2009

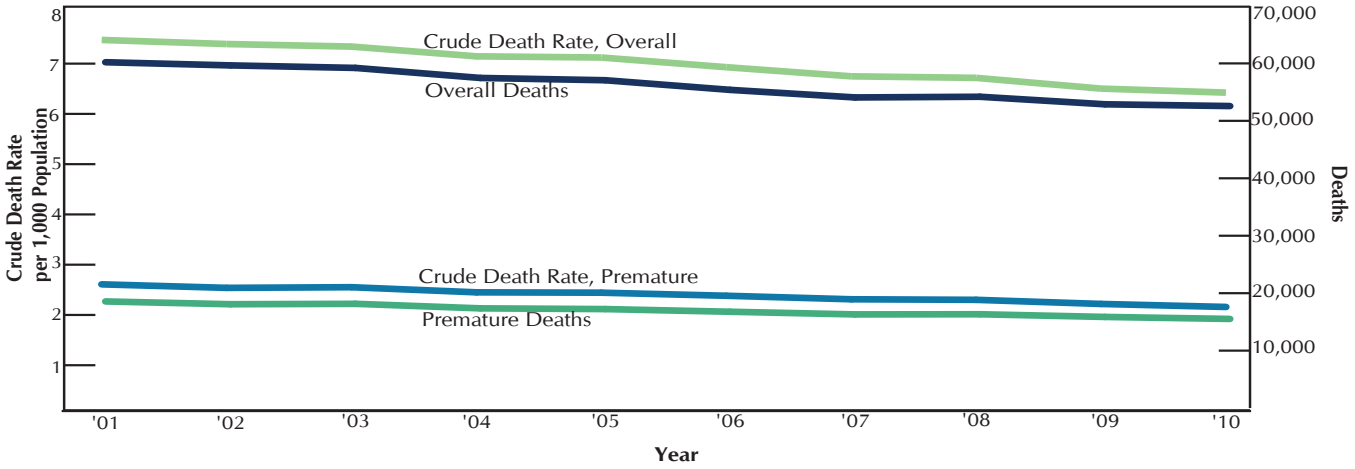


*Life Expectancies for the years 2001-2008 have been updated from previous published Summaries by using interpolated population data from 2000 and 2010 US Census counts (See Technical Notes: Population).

- The 2009 New York City life expectancy, the latest year this statistic is available, reached an historic high of 80.6 years, a 3.7% (35 months) increase since 2000 and a 0.5% (5 months) increase since 2008.
- From 2008 to 2009, life expectancy rose by 0.4% (4 months) to 77.8 years for males and 0.5% (5 months) to 83.0 years for females.

DEATHS IN NEW YORK CITY

Numbers of Deaths and Crude Death Rates, Overall and Premature (Age <65 Years), New York City, 2001-2010



- The 2010 NYC death rate reached an historic low of 6.4 deaths per 1,000 population, a 14.7% decline since 2001 and a 1.5% decline since 2009.
- Premature deaths (before age 65) accounted for 30% of all deaths in New York City. The premature death rate decreased to 2.2 per 1,000 population, a 15.4% decline since 2001 and stable since 2009.

DEATHS IN NEW YORK CITY

LEADING CAUSES OF DEATH

Top 10 Leading Causes of Death in NYC — 2001, 2009 and 2010

Cause	2010 (most recent year) Rank	2010 (most recent year) Crude Death Rate per 100,000 Population	2009 (1 year prior) Rank	2009 (1 year prior) Crude Death Rate per 100,000 Population	2009 (1 year prior) Change to 2010 (%)	2001 (10 years ago) Rank	2001 (10 years ago) Crude Death Rate per 100,000 Population	2001 (10 years ago) Change to 2010 (%)
Diseases of Heart	1	219.0	1	247.0	-11.3	1	300.3	-27.1
Malignant Neoplasms	2	162.9	2	162.1	0.5	2	174.2	-6.5
Influenza and Pneumonia	3	30.0	3	28.0	7.1	3	31.1	-3.5
Chronic Lower Respiratory Diseases	4	21.0	5	18.8	11.7	7	20.8	1.0
Diabetes Mellitus	5	20.9	4	20.8	0.5	6	21.2	-1.4
Cerebrovascular Diseases	6	19.3	6	17.8	8.4	4	23.4	-17.5
Essential Hypertension and Hypertensive Renal Disease	7	12.8	8	11.5	11.3		9.6	33.3
Accidents Except Poisoning by Psychoactive Substance	8	11.4	7	12.3	-7.3	8	16.8	-32.1
Human Immunodeficiency Virus (HIV) Disease	9	10.2	9	11.5	-11.3	5	22.0	-53.6
Use of or Poisoning by Psychoactive Substance*	10	8.1	10	8.6	-5.8	9	11.3	-28.3

Note: Population data are from Census Bureau's estimates as of July 1 of each year.

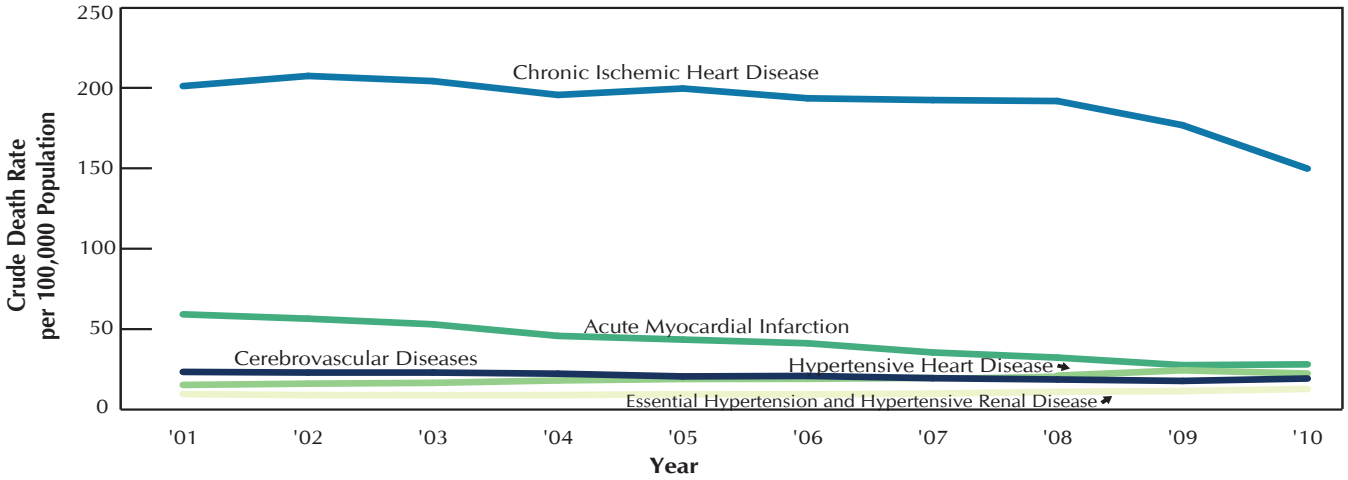
*See Technical Note in Summary of Vital Statistics, Population and Mortality Report: Drug-Related Deaths.

- Heart disease, cancer, and influenza/pneumonia continue to rank as the top three leading causes of death and all have declined in the last decade, down 27.1%, 6.5%, and 3.5%, respectively.
- The recent sharper decline in heart disease since last year (11.3%) is likely partly attributable to a cause of death quality improvement intervention (see Special Section in the Population and Mortality Report).
- First appearing among the top 10 leading causes of death in 2002, essential hypertension and hypertensive renal disease death rates increased 11.3% since 2009, and 33.3% since 2001, the greatest percent increase among all leading causes in the last 10 years.
- HIV disease rate continues to decline at a faster rate than other causes, down by 11.3% since 2009, and 53.6% since 2001 to 10.2 deaths per 100,000 in 2010.

DEATHS IN NEW YORK CITY

CARDIOVASCULAR DISEASE DEATHS

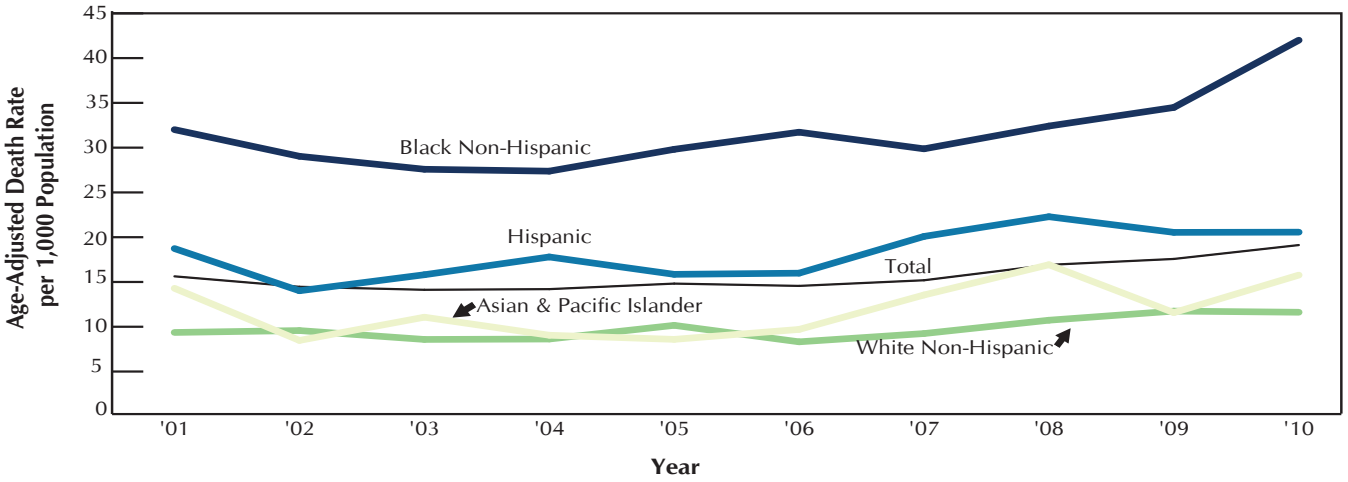
Crude Death Rates for Cardiovascular Disease, New York City, 2001-2010



- The chronic ischemic heart disease death rate decreased 21.9% between 2008 and 2010, compared with 4.6% throughout the preceding 7 years. This recent sharper decline is likely partly attributable to a cause of death quality improvement intervention (see Special Section in the Population and Mortality Report).
- Acute myocardial infarction approximately halved between 2001 and 2010, while hypertensive heart disease death rates increased 46.4%.

ESSENTIAL HYPERTENSION AND HYPERTENSIVE RENAL DISEASE

Age-adjusted Death Rates for Essential Hypertension and Hypertensive Renal Disease, by Racial/Ethnic Group, ≥ Age 25 Years, New York City, 2001-2010

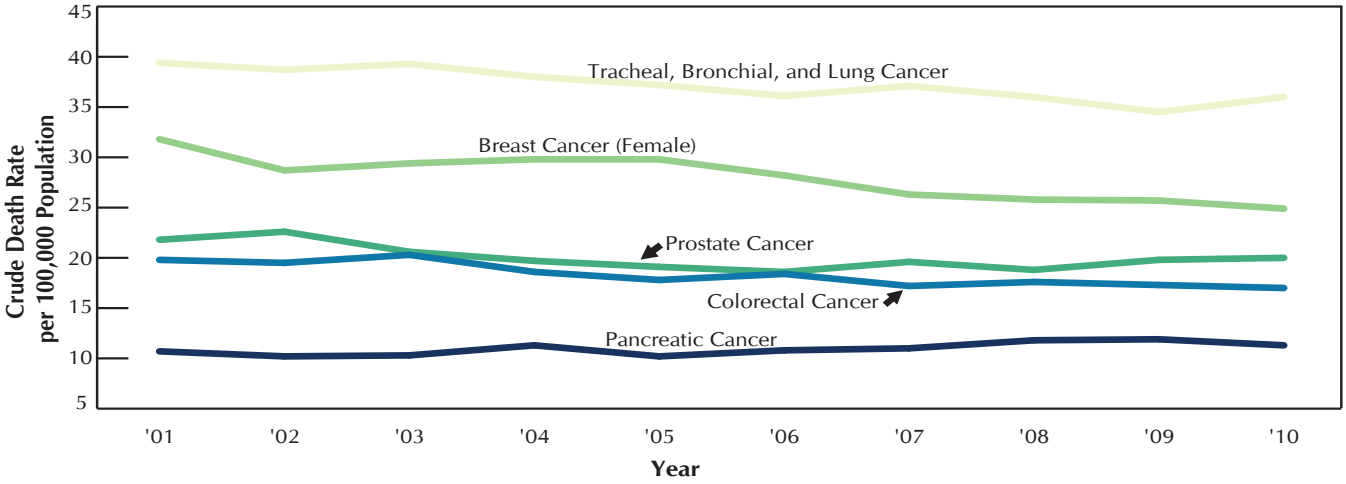


- Essential hypertension and hypertensive renal disease crude death rates were 18.9 deaths per 100,000 in 2010, having increased 10.5% since 2009 and 30.3% since 2001, the greatest percent increase among all leading causes in the last 10 years.
- The increase since 2001 was largest (31.3%) among black non-Hispanics, increasing to 42.0 deaths per 100,000, the highest age-adjusted rate among all racial/ethnic groups and nearly 4 times the rate of white non-Hispanics.

DEATHS IN NEW YORK CITY

CANCER DEATHS

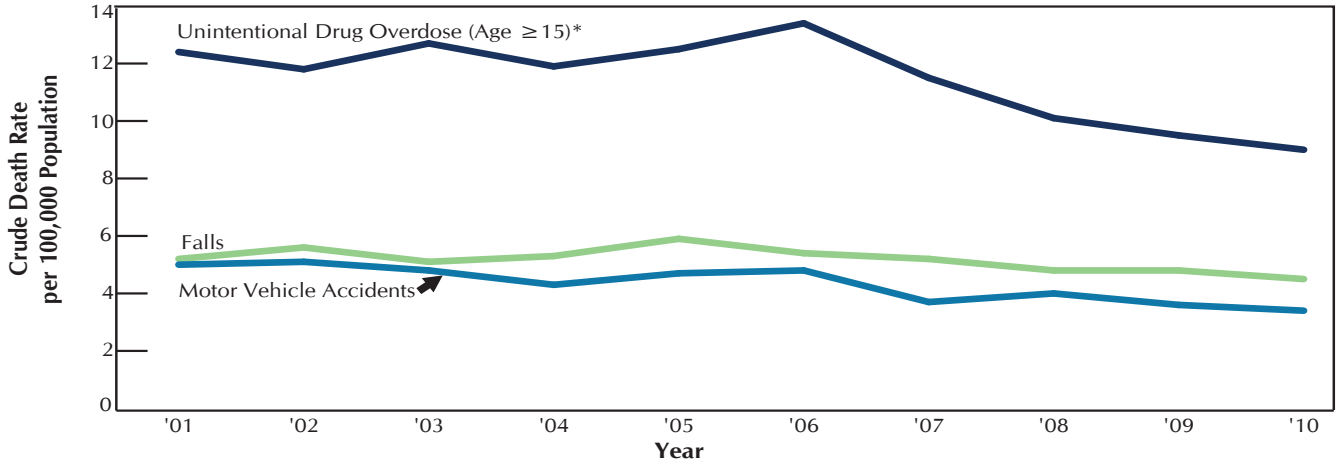
Crude Death Rates Top 5 Leading Causes of Cancer Death, New York City, 2001-2010



- Overall cancer mortality rates have decreased 6.5% since 2001 from 174.2 to 162.9 per 100,000 in 2010.
- The small increase in the overall cancer death rate seen from last year (up 0.5% from 162.1 in 2009) is likely attributable to a cause of death quality improvement intervention (see Special Section in the Population and Mortality Report).
- Since 2001, rates of four of the top five causes of cancer death decreased: female breast cancer (21.7%), colon, rectal and anal cancer (14.1%), lung cancer (8.6%), and prostate cancer (8.3%). Only the pancreatic cancer death rate increased – up 5.6%.

ACCIDENTS

Crude Death Rates for Selected Accident Deaths, New York City, 2001-2010

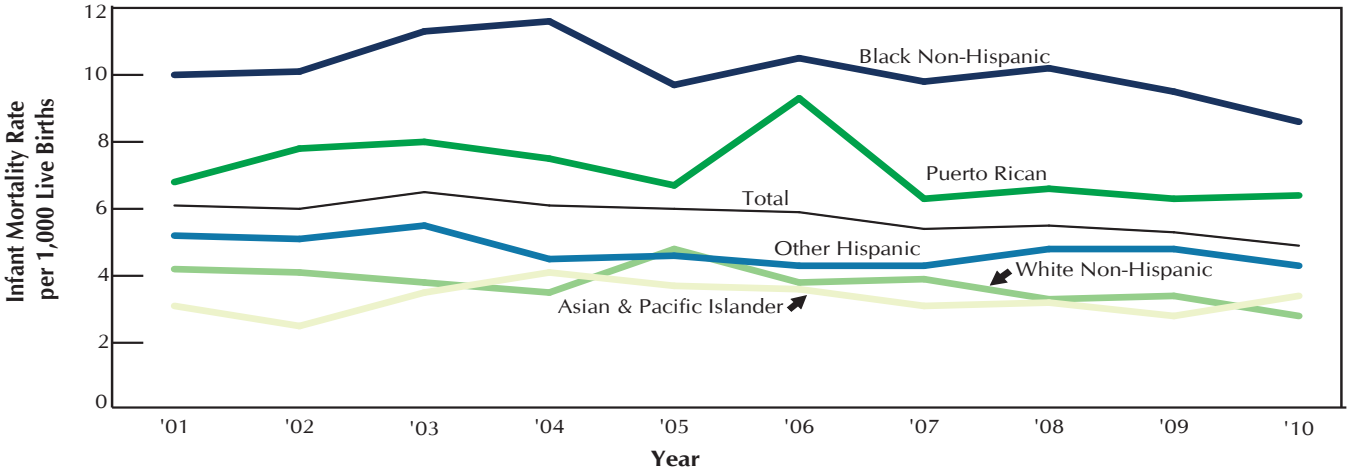


*See Technical Note in Summary of Vital Statistics, Population and Mortality Report: Drug-Related Deaths.

- In 2010, the motor vehicle accident death rate was 3.4 deaths per 100,000, down 5.6% from 2009 and 32.0% from 2001.
- The death rate from falls was 4.5 deaths per 100,000 in 2010, down 6.3% from 2009 and 13.5% from 2001.
- The death rate from unintentional drug overdose among persons 15 years and older has also decreased to 9.0 deaths per 100,000 in 2010, a 27.4% decrease since 2001. This rate peaked at 13.4 deaths per 100,000 in 2006.

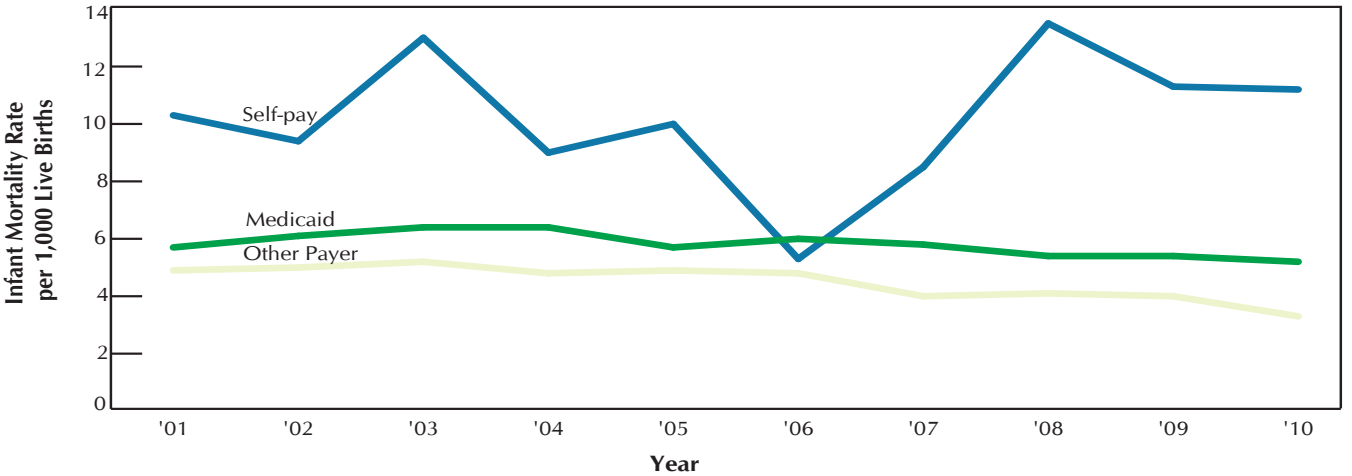
INFANT MORTALITY

Infant Mortality Rate by Racial/Ethnic Group, New York City, 2001-2010



- The infant mortality rate reached a new historic low of 4.9 infant deaths per 1,000 live births in 2010. Therefore, the Take Care New York goal of a citywide infant mortality rate of 5.0 by 2012 has already been met.
- From 2001 to 2010, infant mortality rates declined among infants born to non-Hispanic whites (33.3%), other Hispanics (17.3%), non-Hispanic blacks (14.0%), and Puerto Ricans (5.9%). Asians and Pacific Islanders' rate fluctuated between a low of 2.5 and a high of 3.7.
- Among all ethnic groups, infants born to non-Hispanic black mothers and Puerto Rican mothers in 2010 had higher risks of dying within their first year of life, with 8.6 and 6.4 infant deaths per 1,000 live births, respectively.

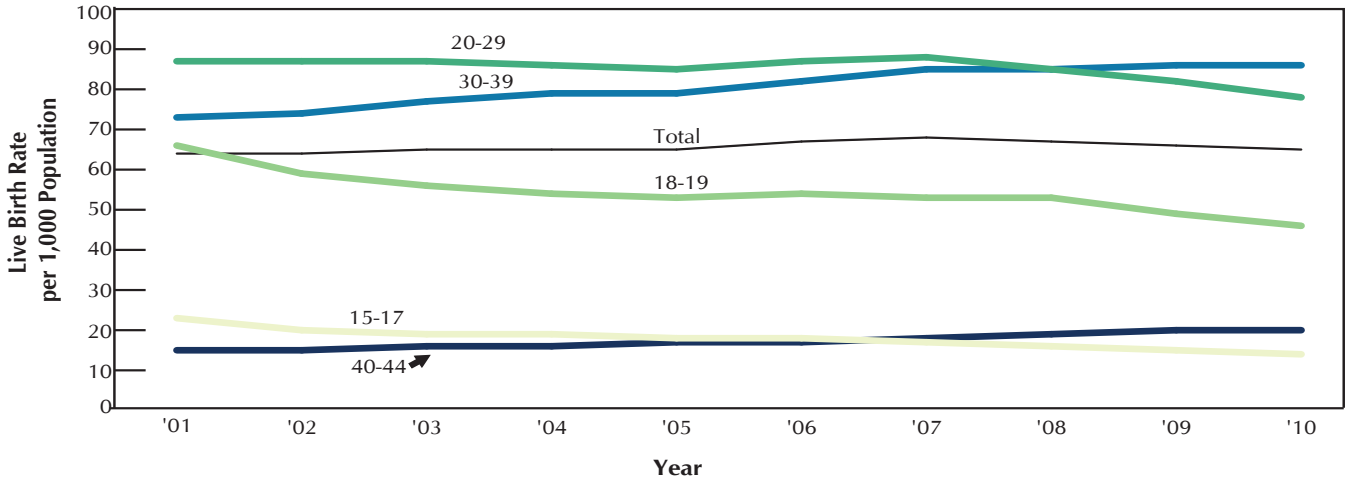
Infant Mortality Rate by Primary Payer for Birth New York City, 2001-2010



- Though accounting for only 1.5% of deliveries, infants born to the uninsured (self-pay) were nearly twice as likely to die in their first year of life (11.2 deaths per 1,000 live births) than those covered by Medicaid (5.2 deaths per 1,000 live births) and more than 3 times more likely to die than those covered by other insurance (3.3 deaths per 1,000 live births).
- Infant mortality among the uninsured (self-pay) deliveries rose 8.7% from 2001 to 2010. In contrast, infant mortality rates decreased 8.8% for deliveries covered by Medicaid and 32.7% for deliveries covered by other insurance.

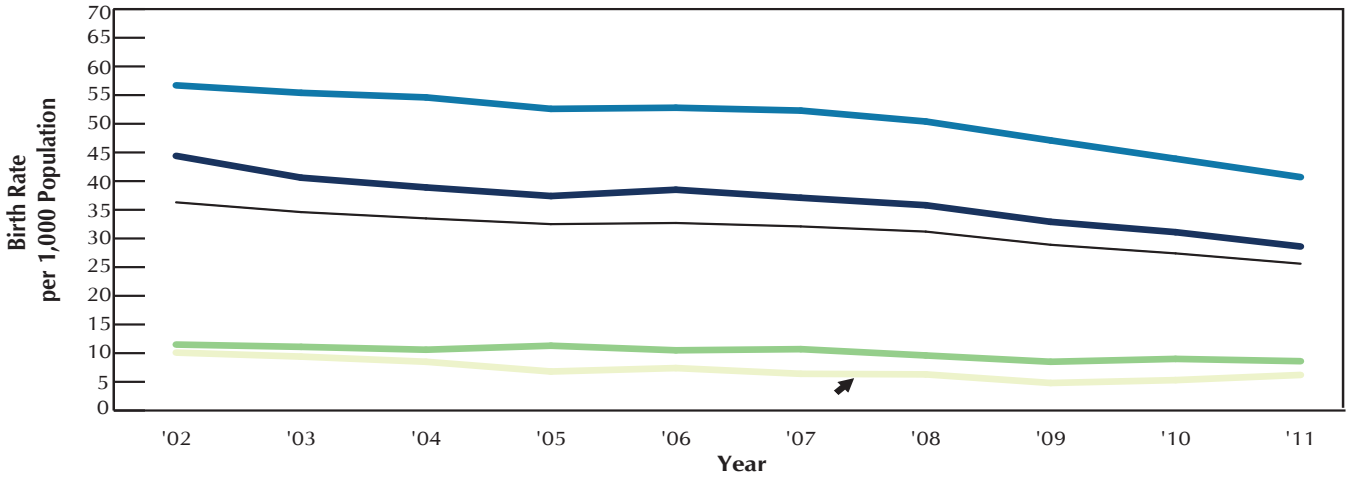
BIRTHS

Birth Rates by Age of Mother, New York City, 2001-2010



- Birth rates overall fluctuated between 2001 and 2010, with a high of 16.1 births per 1,000 population to a low of 15.2. In 2010, the birth rate was 15.3 births per 1,000. However, trends varied by mother's age.
  - From 2001 to 2010, birth rates among all teen mothers decreased 32.5%, down 39.1% among younger teens (15 to 17 years of age) to a low of 14.2 births per 1,000 and 30.3% among older teens (18 to 19 years of age) to 46.2 births per 1,000 women.
  - Birth rates among older women increased: up 17.8% among women 30 to 39 years of age and 33.3% among women 40 and 44 years of age from 2001 to 2010.

Teen (Age 15-19) Birth Rate by Racial/Ethnic Group, New York City, 2001-2010



- From 2001 to 2010, teen birth rates continued to decline among all racial/ethnic groups, although disparities still persist:
  - Decreases occurred among Hispanics with a 32.6% decline to 43.9 births per 1,000 teen population and among black Non-Hispanics with a 36.0% decline to 31.1 births per 1,000 teen population.
  - The largest decrease (53.5%) between 2001 and 2010 occurred among Asians and Pacific Islanders who had the lowest teen birth rate, at 5.3.

Population and Mortality Contents

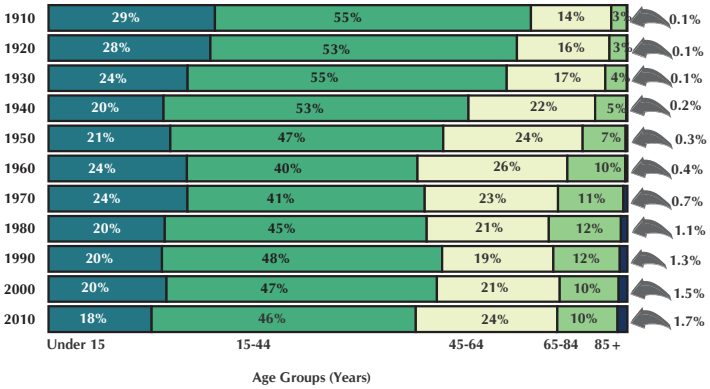
Population and Mortality Contents (Continued)

Population Overview

The New York City Bureau of Vital Statistics uses population counts in the United States (US) decennial Census and the yearly population estimates from the New York City Department of City Planning. In this section, we report on the composition of the New York City population by sex, age distribution, and race/ethnicity. Trend data use census annual population estimates, but 2010 data presentation uses 2010 census counts.

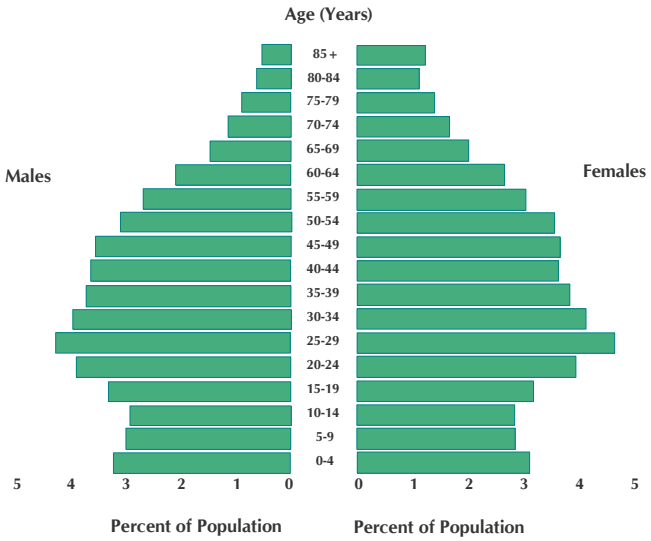
This section also includes a breakdown of birth, fertility, marriage, death, and infant mortality data from 1898 to the present (Table P1). Table P3 breaks down the number of marriages, births, deaths, and infant deaths by month and average per day. Tables P4 and P5 list the most popular baby names in New York City, listed historically back to 1898 and broken down by gender and ethnicity for current data. Please see Technical Notes sections "Population" and "Demographic Characteristics of Vital Events" for more detail on population and its usage.

Figure P1. Age Composition of the Population, New York City, 1910-2010



- The age composition of New York City reflects changes in life expectancy, immigration, and 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 younger than age 15 in 1940, while the post-World War II baby boom increased this segment rapidly after 1950.
- The proportion of residents aged 85 and older is greatest in the 2010 population. The proportion of residents aged 85 and older increased 1,600% from 1910 to 2010.

Figure P2. Age-Sex Composition of the Population, New York City, 2010 Estimate



- This age-sex pyramid shows each age-sex group as a percentage of the total population.
- There are more females than males overall, 52.5% to 47.5%, and more females in every age group older than 19.
- The greatest difference is among those aged 85 and older, where there are more than twice as many women as men.
- The smaller populations of both males and females in the 5-9 and 10-14 age groups reflect the lower number of births in the late 1990s and early 2000s compared to births in the past 5 years.

Table P1. Population, Fertility Rates, Marriages, Deaths, and Infant Mortality, New York City, 1898-2010

		Live Births		Fertility Rates	Marriages‡		Deaths		Infant Mortality	
Year	Population	Total Reported*	Rate per 1,000 Population	Per 1,000 Women Aged 15-44	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
1961-1965	7,816,200	165,197	21.1		68,318	8.7	87,597	11.2	4,333	26.2
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	63.6	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	63.9	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	65.1	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	65.1	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	65.1	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	67.6	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	69.0	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	71.5	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	73.6	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	76.0	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	76.5	71,301	9.7	73,875	10.1	1,620	11.6
1991	7,388,000	138,148	18.7	75.3	69,314	9.4	72,421	9.8	1,575	11.4
1992	7,455,000	136,002	18.2	73.8	71,947	9.7	71,001	9.5	1,390	10.2
1993	7,522,000	133,583	17.8	72.1	72,490	9.6	73,408	9.8	1,366	10.2
1994	7,590,000	133,662	17.6	71.8	70,438	9.3	71,038	9.4	1,207	9.0
1995	7,658,000	131,009	17.1	70.1	71,507	9.3	70,769	9.2	1,155	8.8
1996	7,727,000	126,901	16.4	67.5	79,361	10.3	66,784	8.6	992	7.8
1997	7,796,000	123,313	15.8	65.3	80,027	10.3	62,506	8.0	881	7.1
1998	7,866,000	124,252	15.8	65.5	53,661	6.8	61,010	7.8	843	6.8
1999	7,937,000	123,739	15.6	64.9	55,075	6.9	62,470	7.9	848	6.9
2000	8,008,278	125,563	15.7	65.5	58,291	7.3	60,839	7.6	839	6.7
2001†	8,060,000	124,023	15.4 †	64.4 †	72,587	9.0 †	62,964	7.8 †	760	6.1
2001†	8,060,000	Excluding World Trade Center disaster deaths					60,218	7.5 †		
2002†	8,072,000	122,937	15.2 †	64.1 †	65,490	8.1 †	59,651	7.4 †	742	6.0
2003†	8,068,000	124,345	15.4 †	65.1 †	61,101	7.6 †	59,213	7.3 †	807	6.5
2004†	8,043,000	124,099	15.4 †	65.3 †	62,057	7.7 †	57,466	7.1 †	760	6.1
2005†	8,013,000	122,725	15.3 †	65.0 †	66,348	8.3 †	57,068	7.1 †	732	6.0
2006†	7,994,000	125,506	15.7 †	66.6 †	65,619	8.2 †	55,391	6.9 †	740	5.9
2007	8,014,000	128,961	16.1	68.4	66,483	8.3	54,073	6.7	697	5.4
2008	8,068,000	127,680	15.8	67.3	66,670	8.3	54,193	6.7	698	5.5
2009	8,132,000	126,774	15.6	66.5	65,542	8.1	52,881	6.5	668	5.3
2010	8,175,133	124,791	15.3	65.3	67,051	8.2	52,575	6.4	609	4.9

* Figures prior to 1966 are averages across the years presented; single-year figures prior to 1966 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated.

† Population data may vary by publication year. See Technical Notes: Population, Citywide.

‡ See Technical Notes: Vital Event Reporting.

Table P2. Population Estimates by Age, Mutually Exclusive Racial/Ethnic Group, Origin, and Sex, New York City, 2010

Age in	All			Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Multiple Race		
Years	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	8,175,133	3,882,544	4,292,589	2,336,076	1,130,684	1,205,392	2,722,904	1,318,151	1,404,753	1,861,295	833,369	1,027,926	1,030,914	495,042	535,872	223,944	105,298	118,646
Under 5	517,724	264,436	253,288	180,898	92,376	88,522	145,771	74,773	70,998	114,110	57,621	56,489	55,270	28,621	26,649	21,675	11,045	10,630
5-9	473,159	241,413	231,746	166,960	85,015	81,945	119,064	61,349	57,715	115,709	58,423	57,286	53,900	27,792	26,108	17,526	8,834	8,692
10-14	468,154	238,596	229,558	166,886	85,161	81,725	107,402	55,391	52,011	124,750	62,769	61,981	53,065	27,214	25,851	16,051	8,061	7,990
15-19	535,833	271,815	264,018	192,983	99,260	93,723	119,598	60,127	59,471	146,123	73,293	72,830	60,082	30,596	29,486	17,047	8,539	8,508
20-24	642,585	312,967	329,618	204,084	105,776	98,308	195,060	90,442	104,618	143,582	69,025	74,557	81,278	39,135	42,143	18,581	8,589	9,992
25-29	730,190	348,048	382,142	204,681	103,820	100,861	269,760	128,158	141,602	135,634	61,238	74,396	100,357	45,915	54,442	19,758	8,917	10,841
30-34	662,255	320,497	341,758	189,879	94,634	95,245	232,431	118,030	114,401	126,501	55,594	70,907	95,493	44,148	51,345	17,951	8,091	9,860
35-39	587,407	285,708	301,699	171,425	84,897	86,528	191,573	100,052	91,521	121,604	52,527	69,077	86,915	40,797	46,118	15,890	7,435	8,455
40-44	567,280	274,657	292,623	165,328	80,112	85,216	174,241	91,584	82,657	133,993	58,444	75,549	78,079	37,274	40,805	15,639	7,243	8,396
45-49	565,692	270,857	294,835	155,257	72,900	82,357	172,185	89,722	82,463	144,237	63,349	80,888	78,816	37,822	40,994	15,197	7,064	8,133
50-54	541,684	254,729	286,955	136,239	62,157	74,082	179,581	89,681	89,900	136,158	59,292	76,866	75,974	37,199	38,775	13,732	6,400	7,332
55-59	475,535	218,466	257,069	112,262	49,520	62,742	177,567	85,886	91,681	111,619	47,510	64,109	63,442	30,691	32,751	10,645	4,859	5,786
60-64	414,477	185,515	228,962	91,862	39,548	52,314	170,507	79,894	90,613	92,994	38,291	54,703	50,663	24,016	26,647	8,451	3,766	4,685
65-69	297,167	128,754	168,413	66,343	27,819	38,524	121,292	55,305	65,987	71,407	27,907	43,500	32,330	15,182	17,148	5,795	2,541	3,254
70-74	234,294	98,867	135,427	51,075	20,474	30,601	100,220	44,549	55,671	53,199	20,098	33,101	25,754	12,022	13,732	4,046	1,724	2,322
75-79	178,019	71,872	106,147	36,274	13,502	22,772	83,724	36,074	47,650	37,058	13,006	24,052	18,332	8,262	10,070	2,631	1,028	1,603
80-84	142,272	52,138	90,134	24,193	8,188	16,005	77,656	30,166	47,490	27,014	8,377	18,637	11,656	4,742	6,914	1,753	665	1,088
85 & Over	141,406	43,209	98,197	19,447	5,525	13,922	85,272	26,968	58,304	25,603	6,605	18,998	9,508	3,614	5,894	1,576	497	1,079

Data Source: US Census Bureau, 2010 Census.

Table P3. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day, New York City, 2010

Months	Number				Average Per Day			
	Marriages*	Births	Deaths	Infant Deaths	Marriages	Births	Deaths	Infant Deaths
January	4,180	10,161	4,738	58	135	328	153	1.9
February	4,353	9,354	4,230	39	155	334	151	1.4
March	5,819	10,155	4,533	51	188	328	146	1.6
April	5,756	10,176	4,210	45	192	339	140	1.5
May	5,784	10,148	4,320	49	187	327	139	1.6
June	6,564	10,479	4,115	64	219	349	137	2.1
July	6,229	10,926	4,379	47	201	352	141	1.5
August	6,803	10,673	4,155	38	219	344	134	1.2
September	6,376	10,737	4,079	51	213	358	136	1.7
October	5,552	10,748	4,479	46	179	347	144	1.5
November	4,960	10,423	4,392	52	165	347	146	1.7
December	4,675	10,811	4,945	69	151	349	160	2.2
Total	67,051	124,791	52,575	609	184	342	144	1.7

* See Technical Notes: Vital Event Reporting.

Table P4. Most Popular Baby Names by Sex, New York City, Selected Years

Rank	Girls										
	1898	1928	1948	1980	1990	2000	2005	2007	2008	2009	2010
1	Mary	Mary	Linda	Jennifer	Stephanie	Ashley	Emily	Isabella*	Sophia	Isabella	Isabella
2	Catherine	Marie	Mary	Jessica	Jessica	Samantha	Ashley	Sophia*	Isabella	Sophia	Sophia
3	Margaret	Annie	Barbara	Melissa	Ashley	Kayla	Kayla	Emily	Emily	Mia	Olivia
4	Annie	Margaret	Patricia	Nicole	Jennifer	Emily	Sarah	Ashley	Olivia	Emily	Emily
5	Rose	Catherine	Susan	Michelle	Amanda	Brianna	Isabella	Sarah	Sarah	Olivia	Madison
6	Marie	Gloria	Kathleen	Elizabeth	Samantha	Sarah	Samantha	Kayla	Madison	Madison	Mia
7	Esther	Helen	Carol	Lisa	Nicole	Jessica	Sophia	Mia	Ashley	Sarah	Emma
8	Sarah	Teresa	Nancy	Christina	Christina	Nicole	Nicole	Olivia	Mia	Ashley	Leah
9	Frances	Joan	Margaret	Tiffany	Melissa	Michelle	Olivia	Samantha	Samantha	Leah	Sarah
10	Ida	Barbara	Diane	Maria	Michelle	Amanda	Rachel	Rachel	Emma	Emma	Chloe

Rank	Boys										
	1898	1928	1948	1980	1990	2000	2005	2007	2008	2009	2010
1	John	John	Robert	Michael	Michael	Michael	Michael	Daniel	Jayden	Jayden	Jayden
2	William	William	John	David	Christopher	Justin	Daniel	Jayden	Daniel	Daniel	Ethan
3	Charles	Joseph	James	Jason	Jonathan	Christopher	Joshua	Michael	Michael	Ethan	Daniel
4	George	James	Michael	Joseph	Anthony	Matthew	David	Matthew	Matthew	Michael	Jacob
5	Joseph	Richard	William	Christopher	David	Daniel	Justin	Justin	David	David	David
6	Edward	Edward	Richard	Anthony	Daniel	Anthony	Matthew	Joshua	Joshua	Justin	Justin
7	James	Robert	Joseph	John	Joseph	Joshua	Anthony	David	Justin	Matthew	Michael
8	Louis	Thomas	Thomas	Daniel	Matthew	David	Christopher	Anthony	Anthony	Joshua	Matthew
9	Francis	George	Stephen	Robert	John	Joseph	Joseph	Christopher	Christopher	Alexander	Joseph
10	Samuel	Louis	David	James	Andrew	Kevin	Nicholas	Joseph	Ethan* Ryan*	Christopher	Joshua

* Tied ranks.

Table P5. Most Popular Baby Names by Sex and Mother's Racial/Ethnic Group, New York City, 2010

Rank	Girls				Boys			
	Hispanic	NH-Black	NH-White	Asian & P.I.	Hispanic	NH-Black	NH-White	Asian & P.I.
1	Isabella	Madison	Esther	Sophia	Jayden	Jayden	Joseph	Ethan
2	Mia	Kayla	Olivia	Chloe	Justin	Joshua	David	Ryan
3	Emily	Nevaeh	Leah	Emily	Angel	Elijah	Jacob	Justin
4	Sophia	London	Sophia	Olivia	Jacob	Jeremiah	Michael	Eric
5	Ashley	Makayla	Emma*	Isabella	Christopher	Ethan	Daniel	Lucas
6	Camila	Jada	Rachel*	Fiona*	Alexander	Aiden	Moshe	Kevin
7	Madison	Taylor	Isabella	Sarah*	Daniel*	Justin*	Benjamin	Jason
8	Brianna	Chloe	Sarah	Angelina	Ethan*	Michael*	Matthew	Daniel
9	Gabriella	Brianna*	Chana	Angela†	Anthony	Christian	Alexander	Jayden
10	Samantha	Gabrielle*	Ava† Chaya†	Jasmine†	Brandon† Joshua†	Tyler	Jack* Samuel*	Matthew

* , † Tied ranks.

NH = non-Hispanic; P.I. = Pacific Islander. Mothers of other, multiple race, or unknown ethnic group not shown.

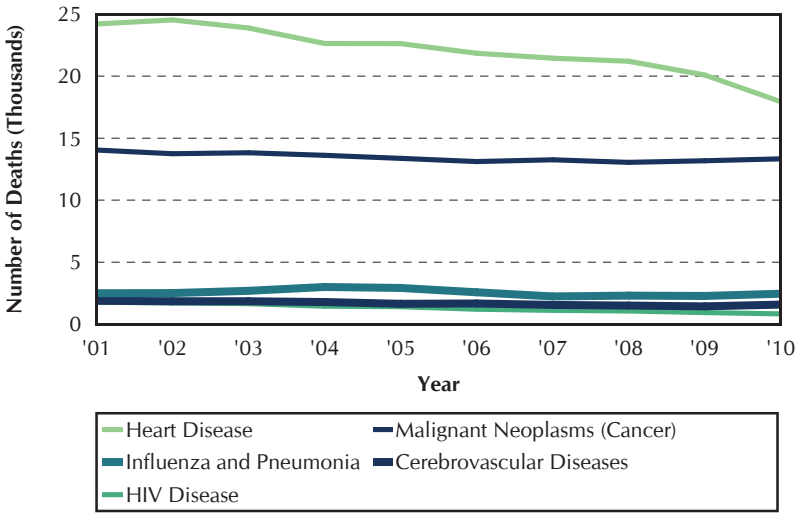
Mortality Overview

This section gives a broad understanding of mortality by cause in New York City and examines deaths due to specific causes and in subpopulations of New Yorkers. Mortality data are derived from death certificates, which contain demographic information such as the decedents' sex, race, and residence as well as information about the timing and cause of the death. In New York City, these certificates are completed by physicians and funeral directors, then more than 93% are submitted electronically through the Electronic Death Registration System (EDRS). The Office of Chief Medical Examiner investigates all deaths not due to natural causes, such as accidents and suicides.

Select Key Findings:

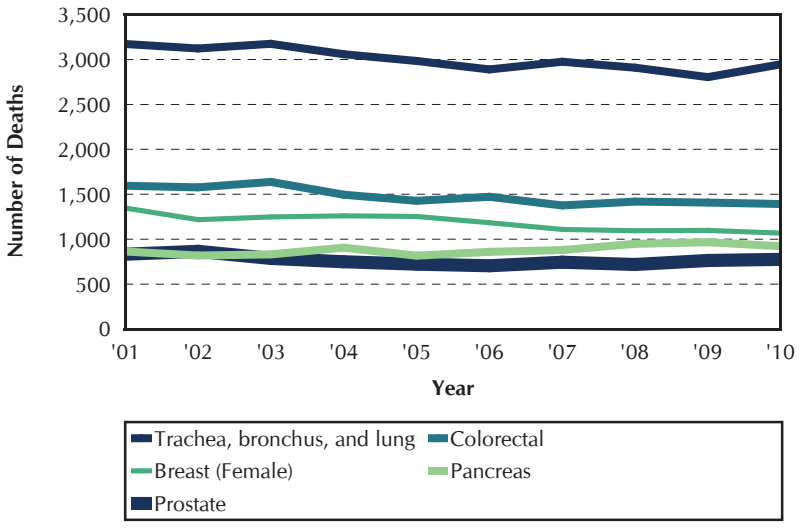
- The 2010 NYC death rate reached an historic low of 6.4 deaths per 1,000 population, a 14.7% decline from 7.5 in 2001 and a 1.5% decline from 6.5 in 2009.
- Heart disease, cancer, and Influenza/pneumonia continue to rank as the top three leading causes of death and all have declined in the last decade. The sharper decline in heart disease since last year (11.3%) is likely partly attributed to a cause of death quality improvement intervention (see Special Section in the Population and Mortality Report).
- First appearing among the top 10 leading causes of death in 2002, essential hypertension and hypertensive renal disease death rates increased 11.3% since 2009, and 33.3% since 2001, the greatest percent increase among all leading causes in the last 10 years.
- The 2009 New York City life expectancy, the latest year this statistic is available, reached yet another historic high of 80.6 years, a 3.7% (35 months) increase since 2000 and a 0.5% (5 months) increase since 2008.
- Premature deaths (before age 65) accounted for 30% of all deaths in New York City. The premature death rate decreased to 2.2 per 1,000 population, a 15.4% decline since 2001, and remained stable since 2009.

Figure M1. Deaths From Leading Causes, New York City, 2001-2010



- This figure displays the top five leading causes of death in 2001 and their trends over a ten-year period.
- Deaths due to heart disease decreased 25.9%. A portion of this decrease is likely due to a 2009 intervention to reduce overreporting of heart disease as a cause of death. (See Special Section for full details.)
- In 2010, there were 1,583 cerebrovascular disease deaths, a 16.1% decrease from 1,887 deaths in 2001.
- Deaths caused by cancer decreased 5.0% from 2001 to 2010. For trends in leading types of cancer deaths, see Figure M2.
- In 2010, there were 832 deaths due to HIV, a 53.1% decrease from 1,774 deaths in 2001.
- During the last decade, influenza and pneumonia deaths fluctuated between a low of 2,247 in 2007 and a high of 3,003 in 2004.

Figure M2. Leading Causes of Death From Malignant Neoplasms (Cancers), New York City, 2001-2010



- The leading category of cancer death in 2010 was trachea, bronchus, and lung. While this category caused most cancer deaths, it fell 7.1% from 2001 to 2010.
- Colorectal cancer deaths, the second leading cause of cancer deaths, decreased 12.7%, from 1,595 deaths in 2001 to 1,393 deaths in 2010.
- Breast cancer deaths decreased more than other leading causes of cancer death. In 2010, there were 1,068 deaths caused by breast cancer, a 20.8% decrease from 1,348 deaths in 2001.
- Although deaths caused by prostate cancer have declined 6.7% overall in the last decade, they increased 10.2% from 2006 to 2010.

Table M1. Deaths by Leading and Selected Underlying Causes, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2010

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		ICD-10/ICD-9 Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	Male	Female**	
Total Deaths	52,575	9,451	8,494	15,253	12,155	3,273	3,854	95	25,863	26,712	
Natural Causes	49,811	9,007	8,036	14,460	11,555	3,090	3,610	53	23,878	25,933	
1.* Tuberculosis (A16-A19)	26	4	4	8	7	3	–	–	18	8	0.88
Respiratory tuberculosis (A16)	19	3	2	6	6	2	–	–	16	3	0.94
2.* Septicemia (A40-A41)	357	47	70	140	76	12	12	–	153	204	1.19
3.* Viral Hepatitis (B15-B19)	352	75	83	85	49	25	34	1	239	113	0.71
4.* Human Immunodeficiency Virus (HIV) Disease (B20-B24)	832	171	253	262	79	27	39	1	574	258	1.08
5. All Other Infective and Parasitic Diseases (Rest of A01-B99)	384	59	52	145	81	18	29	–	160	224	
6.* Malignant Neoplasms (C00-C97)	13,333	2,495	1,923	3,686	2,884	836	1,507	2	6,603	6,730	1.01
Lip, oral cavity, and pharynx (C00-C14)	216	49	26	71	40	11	19	–	141	75	0.96
Esophagus (C15)	273	74	35	64	40	17	43	–	194	79	0.99
Stomach (C16)	439	60	76	141	102	13	47	–	226	213	1.01
Colon, rectum, and anus (C18-C21)	1,393	226	215	414	334	90	114	–	735	658	1.00
Liver and intrahepatic bile ducts (C22)	663	133	116	174	130	41	69	–	458	205	0.96
Pancreas (C25)	922	188	108	260	204	62	99	1	433	489	1.00
Larynx (C32)	102	25	18	30	15	9	5	–	80	22	1.01
Trachea, bronchus, and lung (C33-C34)	2,946	576	428	795	622	238	286	1	1,553	1,393	0.98
Melanoma of skin (C43)	139	24	9	36	30	8	32	–	79	60	0.95
Mesothelioma (C45)	26	5	–	7	5	1	8	–	21	5	
Breast (C50)	1,084	199	175	325	215	73	97	–	16	1,068	1.01
Cervix uteri (C53)	129	20	25	35	35	4	10	–	–	129	1.00
Corpus uteri and uterus, part unspecified (C54-C55)	330	46	51	107	74	16	36	–	–	330	1.02
Ovary (C56)	368	81	46	86	90	19	46	–	–	368	0.99
Prostate (C61)	777	159	124	216	174	37	67	–	777	–	1.01
Kidney and renal pelvis (C64-C65)	255	29	34	84	57	16	35	–	166	89	1.00
Bladder (C67)	356	78	40	76	94	23	45	–	237	119	1.00
Meninges, brain, and other parts of central nervous system (C70-C72)	257	52	34	61	62	19	29	–	132	125	0.98
Lymphoid, hematopoietic and related tissues (C81-C96)	1,341	241	159	354	269	78	240	–	712	629	1.00
Hodgkin's disease (C81)	37	5	1	14	7	1	9	–	22	15	1.00
Non-Hodgkin's lymphoma (C82-C85)	465	78	61	129	93	30	74	–	235	230	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	287	62	43	71	65	14	32	–	147	140	1.04
Leukemia (C91-C95)	549	96	54	139	104	33	123	–	307	242	1.01
7.* In Situ or Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)	268	52	21	67	53	14	61	–	136	132	1.63
8.* Anemias (D50-D64)	71	11	21	23	11	1	4	–	43	28	0.94
9.* Diabetes Mellitus (E10-E14)	1,711	280	321	572	360	104	73	1	787	924	1.02
10.† Mental and Behavioral Disorders Due to Use of Alcohol (F10)	203	44	36	51	52	11	4	5	168	35	
11. Mental and Behavioral Disorders Due to Use of Psychoactive Substance Excluding Alcohol and Tobacco (F11-F16, F18-F19) ‡	144	41	68	8	9	3	14	1	107	37	
12. Diseases of Nervous System (G00-G98)	1,162	338	192	276	256	48	52	–	475	687	
* Meningitis (G00,G03)	24	2	5	12	4	1	–	–	11	13	1.01
* Parkinson's disease (G20-G21)	196	61	29	46	37	11	12	–	111	85	1.01
* Alzheimer's disease (G30)	577	175	98	131	141	16	16	–	155	422	1.58
13. Major Cardiovascular Diseases (I00-I78)	21,043	3,500	3,226	6,241	5,473	1,449	1,124	30	9,827	11,216	1.00
* Diseases of heart (I00-I09, I11, I13, I20-I51)	17,929	2,896	2,696	5,309	4,759	1,335	909	25	8,466	9,463	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	35	9	8	5	6	2	5	–	11	24	0.88
Hypertensive heart disease (I11)	1,831	393	382	612	311	72	59	2	881	950	0.80
Hypertensive heart and renal disease (I13)	120	20	39	37	18	2	4	–	63	57	1.13
Chronic ischemic heart disease (I20, I25)	12,261	1,835	1,719	3,526	3,657	917	589	18	5,800	6,461	1.01
Acute myocardial infarction (I21-I22)	2,296	335	342	760	455	289	110	5	1,090	1,206	0.99
Cardiomyopathy (I42)	154	31	25	33	29	10	26	–	105	49	

Continued on the next page.

Table M1. Deaths by Leading and Selected Underlying Causes, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2010 (Continued)

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		ICD-10/IC Comparab Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	Male	Female	
Heart failure (I50)	336	80	51	89	87	13	16	–	129	207	1.0
* Essential hypertension and hypertensive renal disease (I10, I12, I15)	1,046	200	171	352	227	35	59	2	439	607	1.1
* Cerebrovascular diseases (I60-I69)	1,583	305	259	467	379	61	111	1	677	906	1.0
* Atherosclerosis (I70)	205	55	51	37	49	5	8	–	87	118	0.9
* Aortic aneurysm and dissection (I71)	155	23	20	46	29	7	29	1	108	47	1.0
14.* Influenza and Pneumonia (J09-J18)	2,457	412	433	746	618	144	103	1	1,168	1,289	0.7
H1N1 flu (J09)	6	1	1	2	–	1	1	–	1	5	0.9
15.* Chronic Lower Respiratory Diseases (J40-J47)	1,716	330	349	457	359	136	82	3	817	899	1.0
Emphysema (J43)	132	23	24	34	34	13	4	–	69	63	0.9
Asthma (J45-J46)	185	22	62	61	31	2	5	2	98	87	0.8
16. Pneumoconiosis Due to Asbestos and Other Mineral Fibres (J61)	2	–	–	–	1	–	1	–	2	–	
17.* Pneumonitis Due to Solids and Liquids (J69)	26	5	5	7	7	–	2	–	15	11	1.1
18.* Peptic Ulcer (K25-K28)	97	26	7	29	26	6	3	–	47	50	0.9
19.* Chronic Liver Disease and Cirrhosis (K70, K73-K74)	521	86	95	150	119	23	45	3	352	169	1.0
Alcoholic liver disease (K70)	351	57	61	105	81	14	30	3	259	92	1.0
20.* Cholelithiasis and Other Disorders of Gallbladder (K80-K82)	65	10	11	19	15	4	6	–	25	40	0.9
21.* Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	487	65	71	192	110	24	25	–	246	241	1.2
Renal failure (N17-N19)	409	48	58	170	90	22	21	–	206	203	1.3
22.* Pregnancy, Childbirth, and the Puerperium (O00-O99)	36	1	8	16	6	1	4	–	–	36	1.1
Maternal causes|| (A34, O00-O95, O98-O99)	30	1	5	15	4	1	4	–	–	30	
23.* Certain Conditions Originating in the Perinatal Period (P00-P96)	341	46	62	96	72	23	42	–	183	158	1.0
24.* Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	228	26	46	59	40	14	43	–	114	114	0.9
25. Symptoms, Signs, and Abnormal Findings, Not Elsewhere Classified (R00-R94, R96-R99)	323	116	33	87	59	12	14	2	127	196	0.9
Pending final determination (R99)	0	–	–	–	–	–	–	–	–	–	
26. Sudden Infant Death Syndrome (R95)	4	1	1	2	–	–	–	–	3	1	1.0
27. All Other Natural Causes (Rest of A00-R99)	3,622	766	645	1,036	733	152	287	3	1,489	2,133	
External Causes	2,764	444	458	793	600	183	244	42	1,985	779	
Injury by Firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	391	33	83	165	73	10	25	2	369	22	1.0
28.† Accidents (V01-X59,Y85-Y86)	1,454	243	236	394	306	116	140	19	985	469	1.0
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44) ‡	521	69	99	151	99	50	51	2	364	157	1.0
† 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) ‡	665	110	167	159	108	53	65	3	471	194	
† Accidents except poisoning by psychoactive substance use	933	174	137	243	207	66	89	17	621	312	
Motor vehicle accidents ¶	279	40	45	69	66	27	28	4	198	81	0.9
Accidental falls (W00-W19)	367	88	46	90	88	17	34	4	216	151	0.7
29.* Intentional Self-harm (Suicide) (U03, X60-X84, Y87.0)	503	101	54	116	148	27	50	7	374	129	1.0
30.* Assault (Homicide) (U01-U02, X85-Y09, Y87.1)	551	50	131	214	99	22	33	2	462	89	1.0
31.* Legal Intervention (Y35, Y89.0)	6	–	3	2	1	–	–	–	6	–	0.9
32. Events of Undetermined Intent (Y10-Y34, Y87.2, Y89.9)	217	45	29	59	37	16	17	14	145	72	0.9
33.* Complications of Medical and Surgical Care (Y40-Y84, Y88)	33	5	5	8	9	2	4	–	13	20	0.6
34.* Operations of War and Their Sequelae (Y36,Y89.1)	0	–	–	–	–	–	–	–	–	–	

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

† The following cause groups are not ranked as leading causes nationally, but are eligible to be ranked as leading causes in New York City 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 substances excluding alcohol and tobacco", and "Accidents", which in NYC excludes poisoning by psychoactive substances (excluding alcohol and tobacco).

‡ See Technical Notes: Deaths, Drug-Related Deaths.

Table M2. Deaths and Crude Death Rates per 1,000 Population* by Age, Racial/Ethnic Group, and Sex, New York City, 2010

Age in Years	All						Hispanic						Non-Hispanic White						Non-Hispanic Black						Asian and Pacific Islander						Other/Multiple Race/Unknown		
	Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total	Male	Female
	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	No.	Rate	No.	No.	No.
All Ages	52,575	6.4	25,863	6.7	26,712	6.2	9,340	4.0	4,898	4.3	4,442	3.7	25,790	9.5	12,277	9.3	13,513	9.6	13,637	7.3	6,559	7.9	7,078	6.9	3,157	3.1	1,776	3.6	1,381	2.6	651	353	298
Age-Adjusted		6.3		7.8		5.2		5.6		7.3		4.5		6.4		7.7		5.3		7.7		9.9		6.3		4.0		5.0		3.2			
Under 5	694	1.3	373	1.4	321	1.3	198	1.1	110	1.2	88	1.0	151	1.0	82	1.1	69	1.0	270	2.4	140	2.4	130	2.3	61	1.1	32	1.1	29	1.1	14	9	5
5-9	51	0.1	29	0.1	22	0.1	15	0.1	10	0.1	5	0.1	10	0.1	7	0.1	3	0.1	20	0.2	9	0.2	11	0.2	5	0.1	3	0.1	2	0.1	1	-	1
10-14	78	0.2	45	0.2	33	0.1	23	0.1	10	0.1	13	0.2	28	0.3	18	0.3	10	0.2	19	0.2	13	0.2	6	0.1	6	0.1	3	0.1	3	0.1	2	1	1
15-19	210	0.4	173	0.6	37	0.1	61	0.3	54	0.5	7	0.1	37	0.3	28	0.5	9	0.2	102	0.7	86	1.2	16	0.2	7	0.1	4	0.1	3	0.1	3	1	2
20-24	380	0.6	276	0.9	104	0.3	110	0.5	76	0.7	34	0.3	91	0.5	72	0.8	19	0.2	144	1.0	105	1.5	39	0.5	27	0.3	19	0.5	8	0.2	8	4	4
25-29	442	0.6	313	0.9	129	0.3	130	0.6	95	0.9	35	0.3	111	0.4	72	0.6	39	0.3	160	1.2	122	2.0	38	0.5	37	0.4	22	0.5	15	0.3	4	2	2
30-34	458	0.7	314	1.0	144	0.4	141	0.7	97	1.0	44	0.5	111	0.5	75	0.6	36	0.3	165	1.3	117	2.1	48	0.7	32	0.3	20	0.5	12	0.2	9	5	4
35-39	592	1.0	367	1.3	225	0.7	160	0.9	102	1.2	58	0.7	163	0.9	110	1.1	53	0.6	212	1.7	120	2.3	92	1.3	47	0.5	29	0.7	18	0.4	10	6	4
40-44	1,049	1.8	658	2.4	391	1.3	298	1.8	191	2.4	107	1.3	289	1.7	185	2.0	104	1.3	386	2.9	229	3.9	157	2.1	60	0.8	39	1.0	21	0.5	16	14	2
45-49	1,740	3.1	1,055	3.9	685	2.3	414	2.7	246	3.4	168	2.0	569	3.3	377	4.2	192	2.3	636	4.4	359	5.7	277	3.4	97	1.2	55	1.5	42	1.0	24	18	6
50-54	2,559	4.7	1,581	6.2	978	3.4	573	4.2	364	5.9	209	2.8	829	4.6	527	5.9	302	3.4	932	6.8	540	9.1	392	5.1	182	2.4	118	3.2	64	1.7	43	32	11
55-59	3,246	6.8	2,006	9.2	1,240	4.8	712	6.3	458	9.2	254	4.0	1,184	6.7	764	8.9	420	4.6	1,099	9.8	618	13.0	481	7.5	203	3.2	135	4.4	68	2.1	48	31	17
60-64	4,019	9.7	2,354	12.7	1,665	7.3	782	8.5	464	11.7	318	6.1	1,646	9.7	1,011	12.7	635	7.0	1,253	13.5	668	17.4	585	10.7	279	5.5	177	7.4	102	3.8	59	34	25
65-69	4,126	13.9	2,332	18.1	1,794	10.7	836	12.6	503	18.1	333	8.6	1,710	14.1	973	17.6	737	11.2	1,288	18.0	666	23.9	622	14.3	238	7.4	153	10.1	85	5.0	54	37	17
70-74	4,703	20.1	2,523	25.5	2,180	16.1	958	18.8	539	26.3	419	13.7	2,024	20.2	1,091	24.5	933	16.8	1,351	25.4	670	33.3	681	20.6	311	12.1	191	15.9	120	8.7	59	32	27
75-79	5,502	30.9	2,842	39.5	2,660	25.1	982	27.1	505	37.4	477	20.9	2,738	32.7	1,443	40.0	1,295	27.2	1,357	36.6	653	50.2	704	29.3	363	19.8	200	24.2	163	16.2	62	41	21
80-84	6,746	47.4	3,189	61.2	3,557	39.5	1,048	43.3	456	55.7	592	37.0	3,778	48.7	1,852	61.4	1,926	40.6	1,424	52.7	601	71.7	823	44.2	415	35.6	243	51.2	172	24.9	81	37	44
≥85	15,980	113.0	5,433	125.7	10,547	107.4	1,899	97.7	618	111.9	1,281	92.0	10,321	121.0	3,590	133.1	6,731	115.4	2,819	110.1	843	127.6	1,976	104.0	787	82.8	333	92.1	454	77.0	154	49	105
Mean age at death	72.3		68.4		76.0		67.2		63.3		71.4		77.1		73.3		80.5		67.3		63.2		71.2		70.2		68.2		72.7		68.7	64.8	73.2
Median age at death	76		72		81		71		66		76		81		77		84		70		66		74		74		72		78		73	67	80

* Population data are from US Census April 1, 2010.

Table M3. Deaths by Ancestry* and Borough of Residence, New York City, 2010

Ancestry	Total	Borough of Residence						Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	
Total	52,575	9,451	8,494	15,253	12,155	3,273	3,854	95
Hispanic								
Colombian	261	35	12	22	168	5	19	–
Cuban	406	141	82	39	112	8	24	–
Dominican	1,590	565	466	245	241	13	58	2
Ecuadorian	364	52	44	53	183	9	23	–
Mexican	225	40	44	66	45	18	12	–
Other Hispanic	1,322	181	262	355	350	75	88	11
Puerto Rican	5,172	1,042	2,037	1,304	462	169	158	–
Non-Hispanic American and Caribbean								
African American	10,112	1,982	2,480	3,269	1,797	162	418	4
American	10,497	2,799	1,063	1,961	2,567	647	1,460	–
Guyanese	636	10	54	267	282	2	21	–
Haitian	687	45	18	421	162	8	32	1
Jamaican	801	30	222	357	134	8	50	–
Trinidadian	153	7	13	91	33	1	8	–
Other Non-Hispanic American and Caribbean	930	82	99	550	133	11	55	–
European								
English	197	47	21	29	29	48	23	–
German	814	160	86	78	336	83	71	–
Irish	1,840	156	240	345	559	327	213	–
Italian	4,688	230	464	1,458	1,086	1,076	374	–
Polish	890	113	57	300	304	72	44	–
Russian	966	69	37	606	188	44	22	–
Other European	2,642	369	165	971	848	138	151	–
Asian								
Asian Indian	210	16	11	22	98	23	40	–
Bangladeshi	96	3	14	14	61	1	3	–
Chinese	1,769	522	32	540	588	27	59	1
Filipino	196	24	13	13	105	12	29	–
Korean	306	16	18	12	220	13	26	1
Pakistani	120	4	6	44	43	9	14	–
Other Asian	410	81	31	87	147	25	39	–
Other								
Jewish or Hebrew	1,655	189	78	993	209	46	140	–
Other or Not Stated	2,620	441	325	741	665	193	180	75

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

Table M4. Deaths by Place of Death*, New York City, 2006-2010

Place of Death	2006		2007		2008		2009		2010	
	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%
Total	55,391	100.0	54,073	100.0	54,193	100.0	52,881	100.0	52,575	100.0
Home	10,603	19.1	10,213	18.9	10,456	19.3	10,773	20.4	11,152	21.2
Hospital										
Voluntary	30,575	55.2	29,859	55.2	29,575	54.6	27,976	52.9	26,644	50.7
Proprietary	644	1.2	597	1.1	574	1.1	289	0.5	273	0.5
Municipal	4,635	8.4	4,737	8.8	4,621	8.5	4,671	8.8	4,560	8.7
Other Government	575	1.0	606	1.1	586	1.1	489	0.9	475	0.9
Nursing Home	6,644	12.0	6,370	11.8	6,479	12.0	6,421	12.1	5,822	11.1
Other Specified Place	1,715	3.1	1,691	3.1	1,902	3.5	2,262	4.3	3,649	6.9

* See Technical Notes: Geographical Units, Place of Death.

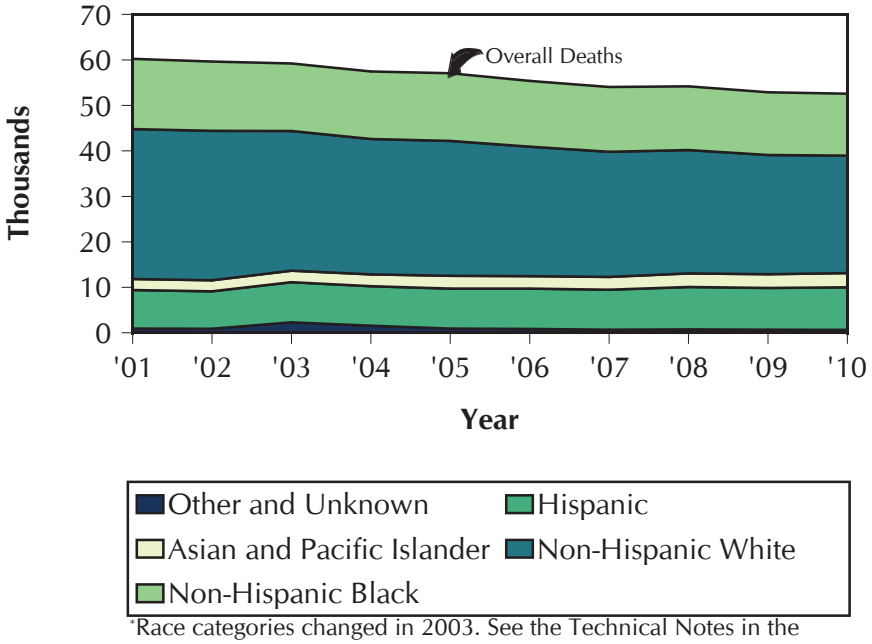
Table M5. Deaths by Birthplace and Borough of Residence, New York City, 2010

Birthplace	Total	Borough of Residence					Nonresidents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total	52,575	9,451	8,494	15,253	12,155	3,273	3,854	95
United States & Territories	30,618	5,855	4,873	7,871	6,629	2,586	2,758	46
Puerto Rico	3,998	835	1,556	1,058	337	101	111	–
China	1,574	479	29	484	518	21	43	–
Dominican Republic	1,464	528	437	226	220	7	46	–
Italy	1,098	38	142	363	304	165	86	–
Ukraine	1,084	40	19	845	132	27	21	–
Jamaica	1,041	45	296	417	211	13	59	–
Guyana	734	16	65	305	323	2	23	–
Poland	730	110	56	332	187	21	24	–
Haiti	716	46	19	432	177	8	33	1
Trinidad and Tobago	513	32	40	300	113	3	25	–
Russia	493	67	32	268	89	22	15	–
Germany	419	131	43	58	145	9	33	–
Cuba	398	137	86	40	110	3	22	–
Ecuador	343	52	44	51	171	6	19	–
Greece	305	25	15	48	188	12	17	–
Korea	304	16	18	14	216	13	26	1
Ireland	287	27	63	33	109	16	39	–
Colombia	254	36	12	21	162	5	18	–
Panama	250	21	21	158	38	4	8	–
Barbados	241	15	12	170	34	2	8	–
Romania	234	33	9	80	94	5	13	–
Belarus	231	5	3	191	20	10	2	–
Hungary	229	34	16	118	49	1	11	–
India	224	16	11	24	114	19	40	–
Other or Not Stated	4,793	812	577	1,346	1,465	192	354	47

Table M6. Deaths by Birthplace and Age, New York City, 2010

Birthplace	Total	Age in Years								
		<15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	52,575	823	590	900	1,641	4,299	7,265	8,829	12,248	15,980
United States & Territories	30,618	792	451	574	1,012	2,735	4,291	4,896	6,664	9,203
Puerto Rico	3,998	2	3	21	77	239	644	970	1,055	987
China	1,574	–	9	28	34	81	156	223	497	546
Dominican Republic	1,464	3	21	34	64	140	259	287	346	310
Italy	1,098	–	–	–	1	23	73	145	360	496
Ukraine	1,084	–	1	7	12	25	87	118	362	472
Jamaica	1,041	1	10	28	50	109	137	210	248	248
Guyana	734	1	5	14	31	80	146	158	162	137
Poland	730	–	1	3	12	32	83	51	109	439
Haiti	716	–	2	6	26	57	104	143	200	178
Trinidad and Tobago	513	1	5	13	29	57	104	113	114	77
Russia	493	–	4	3	5	22	37	76	114	232
Germany	419	–	–	1	4	5	31	41	72	265
Cuba	398	–	–	2	5	17	23	69	128	154
Ecuador	343	3	6	14	20	31	46	73	80	70
Greece	305	–	1	–	3	9	43	50	101	98
Korea	304	–	2	4	16	33	41	72	65	71
Ireland	287	–	–	–	3	11	15	45	95	118
Colombia	254	–	3	5	7	20	33	50	65	71
Panama	250	–	–	2	1	18	41	51	58	79
Barbados	241	–	1	1	3	22	30	48	65	71
Romania	234	–	1	–	1	4	23	19	63	123
Belarus	231	–	1	–	2	6	14	27	82	99
Hungary	229	–	–	–	–	5	15	17	47	145
India	224	1	–	3	6	36	42	53	47	36
Other or Not Stated	4,793	19	63	137	217	482	747	824	1,049	1,255

Figure M3. Deaths by Racial/Ethnic Group*, New York City, 2001-2010



*Race categories changed in 2003. See the Technical Notes in the 2003 Annual Summary for a more detailed explanation.

- From 2001 to 2010, the total number of deaths decreased 12.7%, from 60,218 to 52,575.
- Deaths to non-Hispanic whites account for the majority of total deaths and decreased 21.8% in the last decade.
- Non-Hispanic black deaths also decreased from 2001 to 2010, with a 11.7% decline.
- In the same time period, deaths among Asians and Pacific Islanders and Hispanics increased 30.1% and 10.5%, respectively. The trend coincided with a large increase in the Asian and Pacific Islander and Hispanic populations in New York City.

Map M1. Age-adjusted Death Rate by Community District of Residence, New York City, 2010

- The community district with the highest age-adjusted death rate was Brownsville (9.2). Other community districts with high age-adjusted death rates were Morissania (8.5), The Rockaways (8.1), Central Harlem (8.0), and Bedford-Stuyvesant (8.0).
- The lowest age-adjusted death rate was found in Bayside (3.6). Four other community districts had age-adjusted death rates below 4.5: Queens Village (4.0), Greenwich Village/SoHo (4.3), Murray Hill (4.4), and Flushing (4.4).

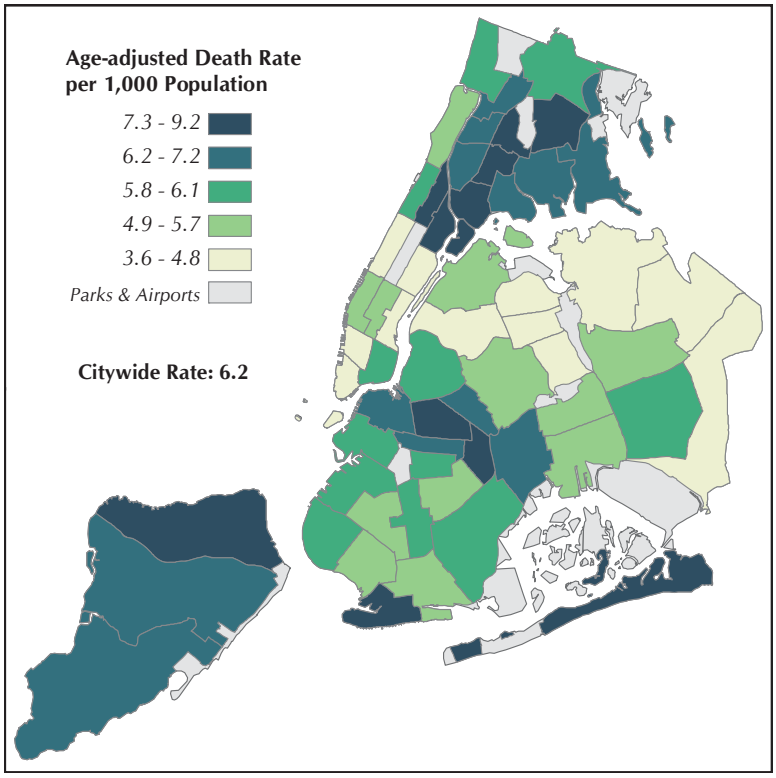


Table M7. Leading Causes of Death in Specified Age Groups, Overall and by Sex, New York City, 2010

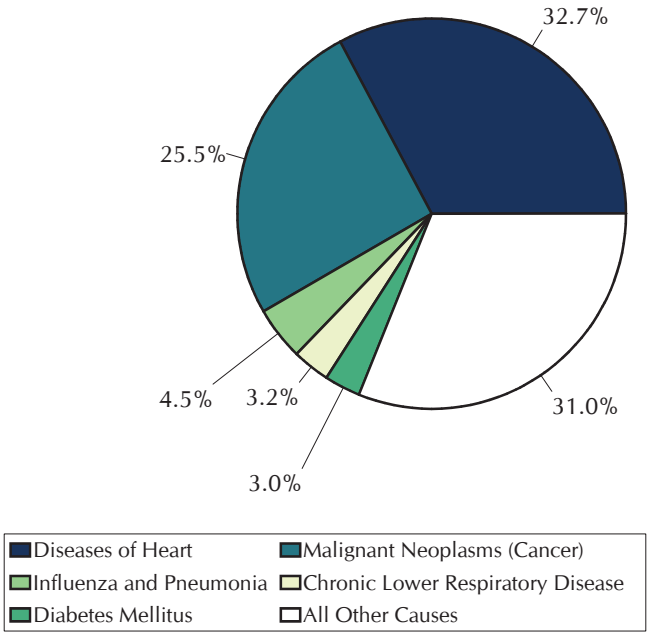
		All		Male		Female	
Rank	ALL AGES	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	17,929	34.1	8,466	32.7	9,463	35.4
2	Malignant Neoplasms	13,333	25.4	6,603	25.5	6,730	25.2
3	Influenza and Pneumonia	2,457	4.7	1,168	4.5	1,289	4.8
4	Chronic Lower Respiratory Diseases	1,716	3.3	817	3.2	899	3.4
5	Diabetes Mellitus	1,711	3.3	787	3.0	924	3.5
6	Cerebrovascular Diseases	1,583	3.0	677	2.6	906	3.4
7	Essential Hypertension and Hypertensive Renal Disease	1,046	2.0	439	1.7	607	2.3
8	Accidents Except Poisoning by Psychoactive Substance	933	1.8	621	2.4	312	1.2
9	Human Immunodeficiency Virus (HIV) Disease	832	1.6	574	2.2	258	1.0
10	Use of or Poisoning by Psychoactive Substance	665	1.3	471	1.8	194	0.7
	All Other Causes	10,370	19.7	5,240	20.3	5,130	19.2
	Total	52,575	100.0	25,863	100.0	26,712	100.0
Rank	< 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Short Gestation and Low Birthweight	146	24.0	78	23.8	68	24.2
2	Congenital Malformations, Deformations	118	19.4	58	17.7	60	21.4
3	Cardiovascular Disorders Originating in the Perinatal Period	69	11.3	42	12.8	27	9.6
4	External Causes	64	10.5	41	12.5	23	8.2
5	Respiratory Distress of Newborn	22	3.6	10	3.0	12	4.3
6	Newborn Affected by Complications of Placenta	17	2.8	7	2.1	10	3.6
7	Necrotizing Enterocolitis of Newborn	16	2.6	10	3.0	6	2.1
8	Influenza and Pneumonia	12	2.0	7	2.1	5	1.8
9	Other Respiratory Conditions Originating in the Perinatal Period	11	1.8	6	1.8	5	1.8
10	Neonatal Hemorrhage	9	1.5	7	2.1	2	0.7
	All Other Causes	125	20.5	62	18.9	63	22.4
	Total	609	100.0	328	100.0	281	100.0
Rank	1 - 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	48	22.4	25	21.0	23	24.2
2	Accidents Except Poisoning by Psychoactive Substance	29	13.6	18	15.1	11	11.6
3	Congenital Malformations, Deformations	24	11.2	11	9.2	13	13.7
4	Assault (Homicide)	18	8.4	9	7.6	9	9.5
5	Chronic Lower Respiratory Diseases	13	6.1	11	9.2	2	2.1
6	Diseases of Heart	6	2.8	3	2.5	3	3.2
7	Influenza and Pneumonia	5	2.3	3	2.5	2	2.1
	All Other Causes	71	33.2	39	32.8	32	33.7
	Total	214	100.0	119	100.0	95	100.0
Rank	15 - 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	179	30.3	160	35.6	19	13.5
2	Accidents Except Poisoning by Psychoactive Substance	75	12.7	61	13.6	14	9.9
3	Intentional Self-harm (Suicide)	58	9.8	44	9.8	14	9.9
4	Malignant Neoplasms	56	9.5	38	8.5	18	12.8
5	Use of or Poisoning by Psychoactive Substance	33	5.6	26	5.8	7	5.0
6	Diseases of Heart	26	4.4	17	3.8	9	6.4
7	Congenital Malformations, Deformations	14	2.4	11	2.4	3	2.1
8	Pregnancy, Childbirth, and the Puerperium	9	1.5	–	–	9	6.4
9	Anemias	8	1.4	8	1.8	–	–
9	Human Immunodeficiency Virus (HIV) Disease	8	1.4	4	0.9	4	2.8
	All Other Causes	124	21.0	80	17.8	44	31.2
	Total	590	100.0	449	100.0	141	100.0
Rank	25 - 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	177	19.7	158	25.2	19	7.0
2	Malignant Neoplasms	109	12.1	48	7.7	61	22.3
3	Use of or Poisoning by Psychoactive Substance	96	10.7	67	10.7	29	10.6
4	Accidents Except Poisoning by Psychoactive Substance	86	9.6	73	11.6	13	4.8
5	Intentional Self-harm (Suicide)	80	8.9	53	8.5	27	9.9
6	Diseases of Heart	61	6.8	47	7.5	14	5.1
7	Human Immunodeficiency Virus (HIV) Disease	37	4.1	27	4.3	10	3.7
8	Chronic Lower Respiratory Diseases	16	1.8	10	1.6	6	2.2
9	Congenital Malformations, Deformations	15	1.7	8	1.3	7	2.6
10	Cerebrovascular Disease	12	1.3	9	1.4	3	1.1
10	Influenza and Pneumonia	12	1.3	3	0.5	9	3.3
10	Pregnancy, Childbirth, and the Puerperium	12	1.3	–	–	12	4.4
10	Benign and Uncertain Neoplasms	12	1.3	5	0.8	7	2.6
	All Other Causes	175	19.4	119	19.0	56	20.5
	Total	900	100.0	627	100.0	273	100.0

Continued on next page.

Table M7. Leading Causes of Death in Specified Age Groups, Overall and by Sex, New York City, 2010 (Continued)

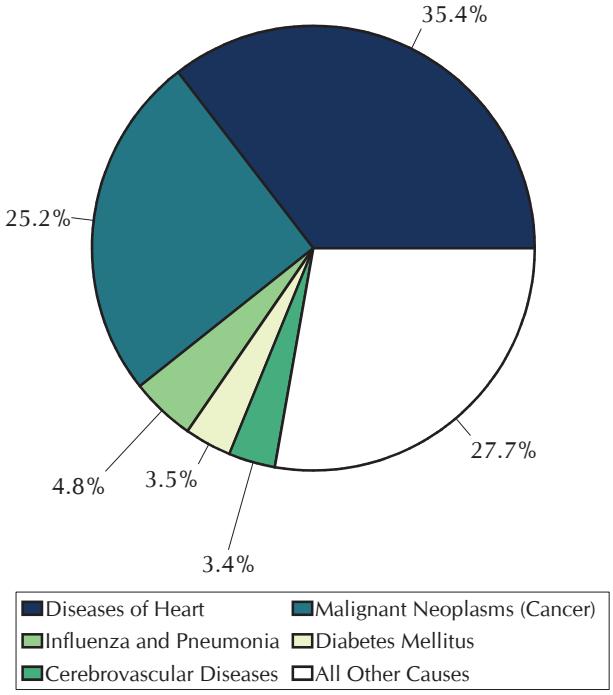
		All		Male		Female	
Rank	35 - 44 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	342	20.8	146	14.2	196	31.8
2	Diseases of Heart	235	14.3	166	16.2	69	11.2
3	Use of or Poisoning by Psychoactive Substance	145	8.8	108	10.5	37	6.0
4	Human Immunodeficiency Virus (HIV) Disease	142	8.7	94	9.2	48	7.8
5	Intentional Self-harm (Suicide)	96	5.9	75	7.3	21	3.4
6	Accidents Except Poisoning by Psychoactive Substance	80	4.9	63	6.1	17	2.8
7	Assault (Homicide)	78	4.8	68	6.6	10	1.6
8	Cerebrovascular Diseases	49	3.0	26	2.5	23	3.7
9	Chronic Liver Disease and Cirrhosis	41	2.5	31	3.0	10	1.6
10	Diabetes Mellitus	39	2.4	20	2.0	19	3.1
	All Other Causes	394	24.0	228	22.2	166	26.9
	Total	1,641	100.0	1,025	100.0	616	100.0
Rank	45 - 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,236	28.8	587	22.3	649	39.0
2	Diseases of Heart	867	20.2	628	23.8	239	14.4
3	Human Immunodeficiency Virus (HIV) Disease	330	7.7	219	8.3	111	6.7
4	Use of or Poisoning by Psychoactive Substance	236	5.5	159	6.0	77	4.6
5	Diabetes Mellitus	139	3.2	75	2.8	64	3.8
5	Chronic Liver Disease and Cirrhosis	139	3.2	103	3.9	36	2.2
7	Cerebrovascular Diseases	136	3.2	80	3.0	56	3.4
8	Intentional Self-harm (Suicide)	118	2.7	91	3.5	27	1.6
9	Accidents Except Poisoning by Psychoactive Substance	115	2.7	93	3.5	22	1.3
10	Chronic Lower Respiratory Diseases	94	2.2	47	1.8	47	2.8
	All Other Causes	889	20.7	554	21.0	335	20.1
	Total	4,299	100.0	2,636	100.0	1,663	100.0
Rank	55 - 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	2,670	36.8	1,400	32.1	1,270	43.7
2	Diseases of Heart	1,808	24.9	1,218	27.9	590	20.3
3	Diabetes Mellitus	291	4.0	176	4.0	115	4.0
4	Human Immunodeficiency Virus (HIV) Disease	239	3.3	179	4.1	60	2.1
5	Influenza and Pneumonia	200	2.8	127	2.9	73	2.5
6	Cerebrovascular Diseases	185	2.5	101	2.3	84	2.9
7	Chronic Lower Respiratory Diseases	181	2.5	101	2.3	80	2.8
8	Chronic Liver Disease and Cirrhosis	161	2.2	112	2.6	49	1.7
9	Viral Hepatitis	149	2.1	109	2.5	40	1.4
10	Accidents Except Poisoning by Psychoactive Substance	141	1.9	98	2.2	43	1.5
	All Other Causes	1,240	17.1	739	16.9	501	17.2
	Total	7,265	100.0	4,360	100.0	2,905	100.0
Rank	65 - 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	3,246	36.8	1,680	34.6	1,566	39.4
2	Diseases of Heart	2,663	30.2	1,585	32.6	1,078	27.1
3	Diabetes Mellitus	382	4.3	201	4.1	181	4.6
4	Chronic Lower Respiratory Diseases	343	3.9	180	3.7	163	4.1
5	Influenza and Pneumonia	331	3.7	190	3.9	141	3.5
6	Cerebrovascular Diseases	255	2.9	139	2.9	116	2.9
7	Essential Hypertension and Hypertensive Renal Disease	149	1.7	81	1.7	68	1.7
8	Chronic Liver Disease and Cirrhosis	103	1.2	66	1.4	37	0.9
9	Accidents Except Poisoning by Psychoactive Substance	92	1.0	56	1.2	36	0.9
10	Nephritis, Nephrotic Syndrome, and Nephrosis	91	1.0	55	1.1	36	0.9
	All Other Causes	1,174	13.3	622	12.8	552	13.9
	Total	8,829	100.0	4,855	100.0	3,974	100.0
Rank	75 - 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,596	37.5	2,266	37.6	2,330	37.5
2	Malignant Neoplasms	3,376	27.6	1,727	28.6	1,649	26.5
3	Influenza and Pneumonia	651	5.3	346	5.7	305	4.9
4	Chronic Lower Respiratory Diseases	491	4.0	241	4.0	250	4.0
5	Diabetes Mellitus	464	3.8	196	3.2	268	4.3
6	Cerebrovascular Disease	409	3.3	181	3.0	228	3.7
7	Essential Hypertension and Hypertensive Renal Disease	256	2.1	109	1.8	147	2.4
8	Accidents Except Poisoning by Psychoactive Substance	142	1.2	70	1.2	72	1.2
9	Nephritis, Nephrotic Syndrome, and Nephrosis	133	1.1	72	1.2	61	1.0
10	Alzheimer's Disease	126	1.0	47	0.8	79	1.3
	All Other Causes	1,604	13.1	776	12.9	828	13.3
	Total	12,248	100.0	6,031	100.0	6,217	100.0
Rank	≥85 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	7,664	48.0	2,533	46.6	5,131	48.6
2	Malignant Neoplasms	2,248	14.1	950	17.5	1,298	12.3
3	Influenza and Pneumonia	1,134	7.1	419	7.7	715	6.8
4	Chronic Lower Respiratory Diseases	551	3.4	210	3.9	341	3.2
5	Cerebrovascular Diseases	526	3.3	136	2.5	390	3.7
6	Essential Hypertension and Hypertensive Renal Disease	428	2.7	132	2.4	296	2.8
7	Alzheimer's Disease	411	2.6	89	1.6	322	3.1
8	Diabetes Mellitus	378	2.4	108	2.0	270	2.6
9	Nephritis, Nephrotic Syndrome, and Nephrosis	171	1.1	73	1.3	98	0.9
10	Accidents Except Poisoning by Psychoactive Substance	157	1.0	78	1.4	79	0.7
	All Other Causes	2,312	14.5	705	13.0	1,607	15.2
	Total	15,980	100.0	5,433	100.0	10,547	100.0

Figure M4. Leading Causes of Death for Males, New York City, 2010



- In 2010, the leading cause of death for males was heart disease, accounting for 32.7%.
- Malignant neoplasms caused more than a quarter of deaths (25.5%) among males in 2010.
- Approximately 4.5% of deaths among men were caused by influenza and pneumonia, 3.2% by chronic lower respiratory disease, and 3.0% by diabetes mellitus.

Figure M5. Leading Causes of Death for Females, New York City, 2010



- Similar to males, the leading causes of death for females in 2010 were heart disease (35.4%) and malignant neoplasms (25.2%).
- In 2010, approximately 4.8% of deaths among women were caused by influenza and pneumonia, 3.5% by diabetes mellitus, and 3.4% by cerebrovascular diseases.

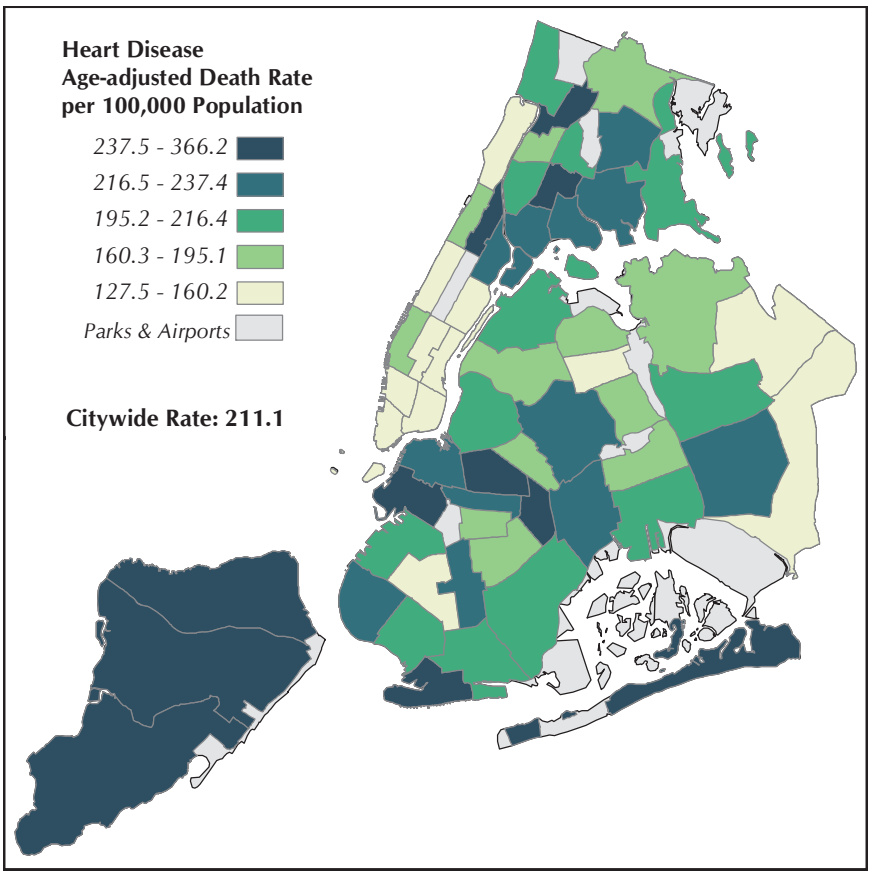
Table M8. Leading Causes of Death in Specified Racial/Ethnic Groups* by Sex, New York City, 2010

		All		Male		Female	
Rank	Puerto Rican	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,529	29.6	765	28.0	764	31.4
2	Malignant Neoplasms	1,047	20.2	557	20.4	490	20.1
3	Influenza and Pneumonia	254	4.9	130	4.8	124	5.1
4	Diabetes Mellitus	243	4.7	99	3.6	144	5.9
5	Chronic Lower Respiratory Diseases	197	3.8	92	3.4	105	4.3
6	Human Immunodeficiency Virus (HIV) Disease	196	3.8	135	4.9	61	2.5
7	Cerebrovascular Diseases	157	3.0	72	2.6	85	3.5
8	Use of or Poisoning by Psychoactive Substance	131	2.5	100	3.7	31	1.3
9	Chronic Liver Disease and Cirrhosis	119	2.3	85	3.1	34	1.4
10	Accidents Except Poisoning by Psychoactive Substance	96	1.9	66	2.4	30	1.2
	All Other Causes	1,203	23.3	634	23.2	569	23.3
	Total	5,172	100.0	2,735	100.0	2,437	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,142	27.4	590	27.3	552	27.5
2	Malignant Neoplasms	1,055	25.3	500	23.1	555	27.7
3	Influenza and Pneumonia	209	5.0	105	4.9	104	5.2
4	Diabetes Mellitus	163	3.9	88	4.1	75	3.7
5	Cerebrovascular Diseases	151	3.6	68	3.1	83	4.1
6	Chronic Lower Respiratory Diseases	108	2.6	57	2.6	51	2.5
7	Accidents Except Poisoning by Psychoactive Substance	95	2.3	66	3.1	29	1.4
8	Essential Hypertension and Hypertensive Renal Disease	91	2.2	42	1.9	49	2.4
9	Chronic Liver Disease and Cirrhosis	80	1.9	65	3.0	15	0.7
10	Human Immunodeficiency Virus (HIV) Disease	72	1.7	54	2.5	18	0.9
	All Other Causes	1,002	24.0	528	24.4	474	23.6
	Total	4,168	100.0	2,163	100.0	2,005	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	943	29.9	527	29.7	416	30.1
2	Diseases of Heart	873	27.7	479	27.0	394	28.5
3	Influenza and Pneumonia	182	5.8	108	6.1	74	5.4
4	Cerebrovascular Diseases	172	5.4	83	4.7	89	6.4
5	Diabetes Mellitus	115	3.6	64	3.6	51	3.7
6	Chronic Lower Respiratory Diseases	89	2.8	61	3.4	28	2.0
7	Accidents Except Poisoning by Psychoactive Substance	81	2.6	55	3.1	26	1.9
8	Intentional Self-harm (Suicide)	63	2.0	46	2.6	17	1.2
8	Essential Hypertension and Hypertensive Renal Disease	63	2.0	30	1.7	33	2.4
10	Chronic Liver Disease and Cirrhosis	28	0.9	18	1.0	10	0.7
	All Other Causes	548	17.4	305	17.2	243	17.6
	Total	3,157	100.0	1,776	100.0	1,381	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	9,846	38.2	4,495	36.6	5,351	39.6
2	Malignant Neoplasms	6,846	26.5	3,408	27.8	3,438	25.4
3	Influenza and Pneumonia	1,321	5.1	614	5.0	707	5.2
4	Chronic Lower Respiratory Diseases	890	3.5	388	3.2	502	3.7
5	Cerebrovascular Diseases	658	2.6	276	2.2	382	2.8
6	Diabetes Mellitus	503	2.0	245	2.0	258	1.9
7	Accidents Except Poisoning by Psychoactive Substance	436	1.7	272	2.2	164	1.2
8	Essential Hypertension and Hypertensive Renal Disease	372	1.4	153	1.2	219	1.6
9	Alzheimer's Disease	341	1.3	94	0.8	247	1.8
10	Use of or Poisoning by Psychoactive Substance	286	1.1	211	1.7	75	0.6
	All Other Causes	4,291	16.6	2,121	17.3	2,170	16.1
	Total	25,790	100.0	12,277	100.0	13,513	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,297	31.5	2,015	30.7	2,282	32.2
2	Malignant Neoplasms	3,308	24.3	1,540	23.5	1,768	25.0
3	Diabetes Mellitus	663	4.9	279	4.3	384	5.4
4	Influenza and Pneumonia	476	3.5	201	3.1	275	3.9
5	Human Immunodeficiency Virus (HIV) Disease	449	3.3	297	4.5	152	2.1
6	Cerebrovascular Diseases	430	3.2	171	2.6	259	3.7
6	Essential Hypertension and Hypertensive Renal Disease	430	3.2	178	2.7	252	3.6
8	Chronic Lower Respiratory Diseases	408	3.0	202	3.1	206	2.9
9	Assault (Homicide)	348	2.6	301	4.6	47	0.7
10	Accidents Except Poisoning by Psychoactive Substance	205	1.5	147	2.2	58	0.8
	All Other Causes	2,623	19.2	1,228	18.7	1,395	19.7
	Total	13,637	100.0	6,559	100.0	7,078	100.0

Note: For each racial/ethnic group, the 10 leading causes of death are listed in decreasing order of frequency for that racial/ethnic group overall.

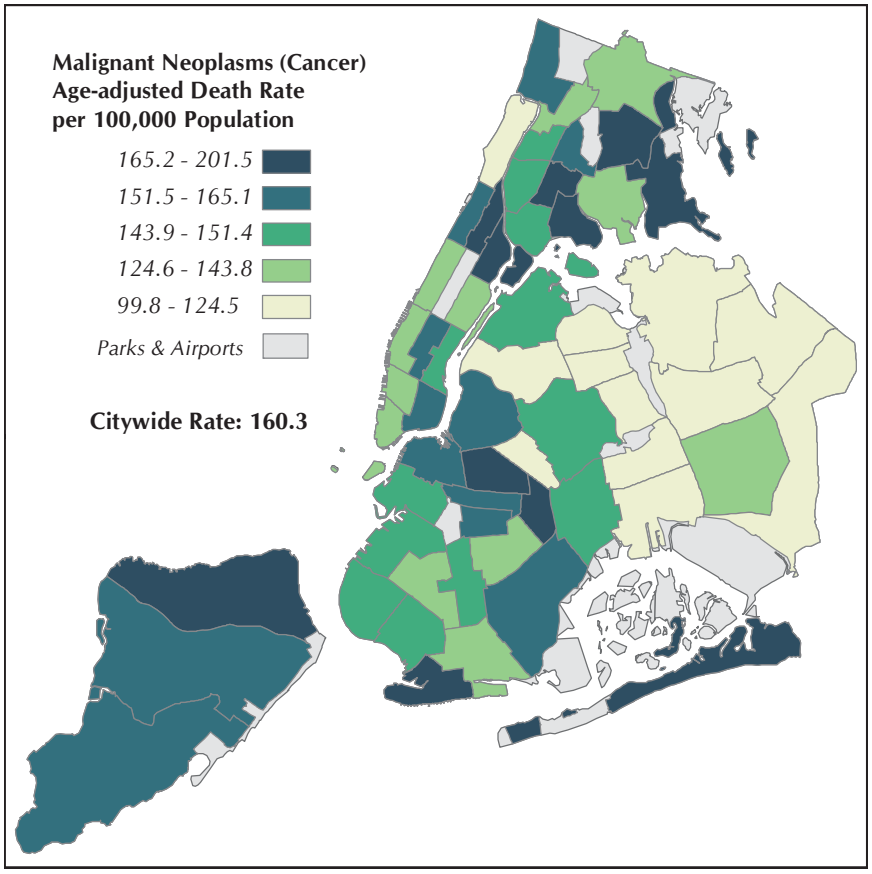
* Decedents of other or multiple races or with unknown ethnicities are not shown.

Map M2. Heart Disease Age-adjusted Death Rate by Community District of Residence, New York City, 2010



- The community district with the highest age-adjusted death rate for heart disease was The Rockaways (366.2 per 100,000 residents). Other community districts with high age-adjusted heart disease death rates were Port Richmond (294.4), followed by Willowbrook/ South Beach (270.6), Bedford-Stuyvesant (268.2), and Brownsville (267.8).
- Greenwich Village/SoHo had the lowest age-adjusted death rate for heart disease (127.5). Four other community districts had rates below 140: Battery Park/Tribeca (132.3), Upper East Side (138.1), Queens Village (138.1), and Bayside (139.7).

Map M3. Malignant Neoplasms (Cancer) Age-adjusted Death Rate by Community District of Residence, New York City, 2010



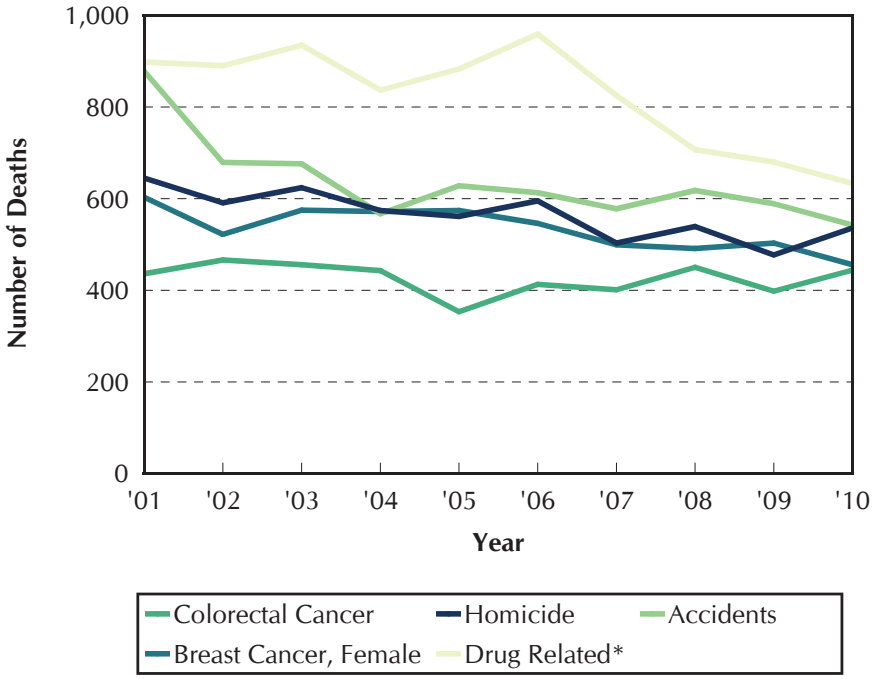
- In 2010, the age-adjusted cancer death rate was 201.5 per 100,000 residents in Browsnville, the highest rate of any community district. Other community districts with high age-adjusted cancer death rates included: Morrisania (198.6), Central Harlem (190.4), Port Richmond (182.3), and Coney Island (179.8).
- The lowest age-adjusted cancer death rate was found in Jackson Heights (99.8). Four other community districts had age-adjusted death rates below 112: Queens Village (99.9), Bayside (104.5), Fresh Meadows/Briarwood (110.5), and Flushing (111.3).

Table M9. Leading Causes of Premature Death (Age <65), Overall and by Sex, New York City, 2010

Rank	Cause of Death	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	4,463	28.8	2,246	23.5	2,217	37.1
	Trachea, bronchus, and lung	901	5.8	498	5.2	403	6.7
	Breast	462	3.0	6	0.1	456	7.6
	Colon, rectum, and anus	444	2.9	252	2.6	192	3.2
	Liver and intrahepatic bile ducts	296	1.9	232	2.4	64	1.1
	Pancreas	254	1.6	154	1.6	100	1.7
2	Diseases of Heart	3,006	19.4	2,082	21.8	924	15.5
3	Human Immunodeficiency Virus (HIV) Disease	756	4.9	523	5.5	233	3.9
4	Use of or Poisoning by Psychoactive Substance	633	4.1	448	4.7	185	3.1
5	Accidents Except Poisoning by Psychoactive Substance	542	3.5	417	4.4	125	2.1
6	Assault (Homicide)	536	3.5	451	4.7	85	1.4
7	Diabetes Mellitus	487	3.1	282	3.0	205	3.4
8	Intentional Self-harm (Suicide)	444	2.9	334	3.5	110	1.8
9	Cerebrovascular Diseases	393	2.5	221	2.3	172	2.9
10	Chronic Liver Disease and Cirrhosis	349	2.2	252	2.6	97	1.6
	All Other Causes	3,909	25.2	2,288	24.0	1,621	27.1
	Total	15,518	100.0	9,544	100.0	5,974	100.0

Note: Ten leading causes of death are listed in descending order of frequency for all premature deaths.

Figure M6. Selected Causes of Preventable Premature Death (Age <65), New York City, 2001-2010



*See the Technical Notes, Drug Related Deaths.

- Several categories of potentially preventable deaths among persons younger than 65 years of age declined in the last decade.
  - Deaths due to accidents decreased 38.3%, from 878 in 2001 to 542 in 2010.
  - Drug-related deaths declined 29.5%, from 898 deaths in 2001 to 633 in 2010.
  - Homicides decreased 16.9% from 2001 to 2010.
- Select cancer deaths may be prevented or postponed by using early detection methods. Trends in death rates for two types of cancer are shown here.
  - Breast cancer deaths decreased 24.4% within the last decade.
  - There was no noticeable trend in colorectal cancer deaths from 2001 to 2010. The number of deaths ranged from a low of 353 in 2005 to a high of 466 in 2002.

Table M10. Leading Causes of Premature Death (Age < 65) in Specified Racial/Ethnic Groups* by Sex, New York City, 2010

		All		Male		Female	
Rank	Puerto Rican	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	401	20.3	241	19.0	160	22.6
2	Diseases of Heart	347	17.5	221	17.4	126	17.8
3	Human Immunodeficiency Virus (HIV) Disease	182	9.2	127	10.0	55	7.8
4	Use of or Poisoning by Psychoactive Substance	127	6.4	96	7.6	31	4.4
5	Chronic Liver Disease and Cirrhosis	73	3.7	58	4.6	15	2.1
6	Assault (Homicide)	70	3.5	61	4.8	9	1.3
7	Diabetes Mellitus	68	3.4	32	2.5	36	5.1
8	Accidents Except Poisoning by Psychoactive Substance	67	3.4	47	3.7	20	2.8
9	Viral Hepatitis	66	3.3	49	3.9	17	2.4
10	Chronic Lower Respiratory Diseases	60	3.0	30	2.4	30	4.2
	All Other Causes	517	26.1	308	24.3	209	29.5
	Total	1,978	100.0	1,270	100.0	708	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	435	26.5	182	18.1	253	40.0
2	Diseases of Heart	272	16.6	198	19.7	74	11.7
3	Accidents Except Poisoning by Psychoactive Substance	77	4.7	60	6.0	17	2.7
4	Assault (Homicide)	70	4.3	58	5.8	12	1.9
5	Human Immunodeficiency Virus (HIV) Disease	67	4.1	50	5.0	17	2.7
6	Chronic Liver Disease and Cirrhosis	56	3.4	45	4.5	11	1.7
7	Use of or Poisoning by Psychoactive Substance	54	3.3	36	3.6	18	2.8
8	Intentional Self-harm (Suicide)	50	3.1	37	3.7	13	2.1
9	Diabetes Mellitus	49	3.0	33	3.3	16	2.5
10	Congenital Malformations, Deformations	48	2.9	22	2.2	26	4.1
	All Other Causes	461	28.1	286	28.4	175	27.7
	Total	1,639	100.0	1,007	100.0	632	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	407	39.0	210	32.0	197	50.9
2	Diseases of Heart	177	17.0	138	21.0	39	10.1
3	Intentional Self-harm (Suicide)	54	5.2	40	6.1	14	3.6
4	Cerebrovascular Diseases	50	4.8	31	4.7	19	4.9
5	Accidents Except Poisoning by Psychoactive Substance	34	3.3	23	3.5	11	2.8
6	Diabetes Mellitus	32	3.1	24	3.7	8	2.1
7	Influenza and Pneumonia	31	3.0	22	3.4	9	2.3
8	Chronic Liver Disease and Cirrhosis	19	1.8	16	2.4	3	0.8
9	Congenital Malformations, Deformations	15	1.4	9	1.4	6	1.6
10	Assault (Homicide)	14	1.3	8	1.2	6	1.6
	All Other Causes	210	20.1	135	20.6	75	19.4
	Total	1,043	100.0	656	100.0	387	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,852	35.5	988	29.7	864	45.7
2	Diseases of Heart	1,044	20.0	782	23.5	262	13.9
3	Use of or Poisoning by Psychoactive Substance	279	5.3	208	6.3	71	3.8
4	Intentional Self-harm (Suicide)	211	4.0	161	4.8	50	2.6
5	Accidents Except Poisoning by Psychoactive Substance	207	4.0	159	4.8	48	2.5
6	Chronic Lower Respiratory Diseases	114	2.2	60	1.8	54	2.9
7	Diabetes Mellitus	113	2.2	76	2.3	37	2.0
8	Chronic Liver Disease and Cirrhosis	111	2.1	75	2.3	36	1.9
9	Influenza and Pneumonia	107	2.1	69	2.1	38	2.0
10	Human Immunodeficiency Virus (HIV) Disease	90	1.7	68	2.0	22	1.2
	All Other Causes	1,091	20.9	682	20.5	409	21.6
	Total	5,219	100.0	3,328	100.0	1,891	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,324	24.5	600	19.2	724	31.9
2	Diseases of Heart	1,112	20.6	704	22.5	408	18.0
3	Human Immunodeficiency Virus (HIV) Disease	403	7.5	267	8.5	136	6.0
4	Assault (Homicide)	342	6.3	296	9.5	46	2.0
5	Diabetes Mellitus	215	4.0	111	3.6	104	4.6
6	Cerebrovascular Diseases	159	2.9	79	2.5	80	3.5
7	Use of or Poisoning by Psychoactive Substance	158	2.9	99	3.2	59	2.6
8	Accidents Except Poisoning by Psychoactive Substance	144	2.7	118	3.8	26	1.1
9	Chronic Lower Respiratory Diseases	119	2.2	67	2.1	52	2.3
10	Essential Hypertension and Renal Diseases	116	2.1	60	1.9	56	2.5
	All Other Causes	1,306	24.2	725	23.2	581	25.6
	Total	5,398	100.0	3,126	100.0	2,272	100.0

Note: For each racial/ethnic group, the 10 leading causes of death are listed in decreasing order of frequency for that racial/ethnic group overall.

* Decedents of other or multiple races or with unknown ethnicities are not shown.

Table M11. Deaths and Death Rates per 100,000 Population From Selected Underlying Causes, Overall and by Racial/Ethnic Group* and Sex, New York City, 2010

Cause of Death	Total			Ethnic Group*												Sex					
				Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Unknown	Male			Female		
	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate
All Causes†	52,575	6.4	6.3	9,340	4.0	5.5	25,790	9.5	6.6	13,637	7.3	7.5	3,157	3.1	3.9	651	25,863	6.7	7.7	26,712	6.2	5.2
Natural Causes	49,811	609.3	593.9	8,727	373.6	519.2	24,706	907.3	623.2	12,799	687.6	707.3	2,980	289.8	368.1	599	23,878	615.0	718.0	25,933	604.1	504.7
Human Immunodeficiency Virus (HIV) Disease	832	10.2	9.5	268	11.5	12.1	100	3.7	3.2	449	24.1	22.3	6	0.6	0.5	9	574	14.8	14.2	258	6.0	5.5
Malignant Neoplasms	13,333	163.1	161.0	2,102	90.0	120.0	6,846	251.4	188.6	3,308	177.7	179.6	943	91.7	105.9	134	6,603	170.1	195.4	6,730	156.8	138.6
Malignant neoplasm of stomach	439	5.4	5.3	103	4.4	5.8	166	6.1	4.5	111	6.0	6.2	51	5.0	5.6	8	226	5.8	6.7	213	5.0	4.4
Malignant neoplasms of colon, rectum, and anus	1,393	17.0	16.7	226	9.7	12.9	695	25.5	18.5	361	19.4	19.5	95	9.2	11.1	16	735	18.9	21.8	658	15.3	13.2
Malignant neoplasm of pancreas	922	11.3	11.2	125	5.4	7.3	518	19.0	14.0	205	11.0	11.3	65	6.3	7.7	9	433	11.2	12.7	489	11.4	9.9
Malignant neoplasms of trachea, bronchus, and lung (male)	1,553	40.0	45.9	209	18.5	31.8	810	61.4	52.6	382	45.8	54.6	139	28.2	34.7	13	1,553	40.0	45.9	–	–	–
Malignant neoplasms of trachea, bronchus, and lung (female)	1,393	32.5	28.9	145	12.0	14.0	802	57.1	39.0	344	33.5	30.1	88	16.5	18.5	14	–	–	–	1,393	32.5	28.9
Malignant neoplasm of breast (female)	1,068	24.9	22.0	162	13.4	15.0	531	37.8	26.2	324	31.5	28.2	47	8.8	9.3	4	–	–	–	1,068	24.9	22.0
Malignant neoplasm of cervix uteri	129	3.0	2.7	30	2.5	2.9	41	2.9	2.2	48	4.7	4.2	10	1.9‡	1.8‡	–	–	–	–	129	3.0	2.7
Malignant neoplasm of ovary	368	8.6	7.7	51	4.2	4.7	202	14.4	10.5	84	8.2	7.3	26	4.9	5.0	5	–	–	–	368	8.6	7.7
Malignant neoplasm of prostate	777	20.0	24.9	127	11.2	22.7	351	26.6	22.2	257	30.8	44.2	30	6.1	9.3	12	777	20.0	24.9	–	–	–
Leukemia	549	6.7	6.7	87	3.7	4.7	333	12.2	9.5	96	5.2	5.2	30	2.9	3.4	3	307	7.9	9.0	242	5.6	5.1
Diabetes Mellitus	1,711	20.9	20.6	406	17.4	24.4	503	18.5	13.4	663	35.6	36.8	115	11.2	14.1	24	787	20.3	23.2	924	21.5	18.5
Parkinson's Disease	196	2.4	2.4	34	1.5	2.3	134	4.9	3.2	16	0.9	0.9	11	1.1‡	1.5‡	1	111	2.9	3.6	85	2.0	1.6
Alzheimer's Disease	577	7.1	6.7	102	4.4	7.4	341	12.5	7.1	108	5.8	6.4	23	2.2	3.5	3	155	4.0	5.2	422	9.8	7.3
Diseases of Heart	17,929	219.3	212.2	2,671	114.3	169.1	9,846	361.6	232.3	4,297	230.9	242.0	873	84.9	114.3	242	8,466	218.1	262.2	9,463	220.4	176.0
Hypertensive heart disease	1,831	22.4	21.7	358	15.3	21.1	714	26.2	18.0	662	35.6	36.2	78	7.6	9.6	19	881	22.7	25.6	950	22.1	18.4
Chronic ischemic heart diseases	12,261	150.0	145.2	1,717	73.5	111.2	7,067	259.5	165.3	2,708	145.5	153.8	602	58.6	79.5	167	5,800	149.4	182.0	6,461	150.5	119.3
Acute myocardial infarction	2,296	28.1	27.2	357	15.3	22.5	1,265	46.5	29.9	526	28.3	29.9	115	11.2	14.7	33	1,090	28.1	33.7	1,206	28.1	22.4
Essential (Primary) Hypertension and Hypertensive Renal Disease	1,046	12.8	12.4	170	7.3	10.8	372	13.7	8.6	430	23.1	24.2	63	6.1	8.2	11	439	11.3	13.5	607	14.1	11.5
Cerebrovascular Diseases	1,583	19.4	18.8	308	13.2	18.9	658	24.2	16.0	430	23.1	23.7	172	16.7	21.4	15	677	17.4	20.3	906	21.1	17.4
Influenza and Pneumonia	2,457	30.1	29.1	463	19.8	29.7	1,321	48.5	30.6	476	25.6	27.1	182	17.7	24.5	15	1,168	30.1	37.1	1,289	30.0	23.9
Chronic Lower Respiratory Diseases	1,716	21.0	20.6	305	13.1	18.8	890	32.7	22.6	408	21.9	22.9	89	8.7	12.3	24	817	21.0	25.3	899	20.9	17.6
Asthma	185	2.3	2.2	54	2.3	2.8	43	1.6	1.3	74	4.0	3.9	12	1.2	1.3	2	98	2.5	2.6	87	2.0	1.8
Chronic Liver Disease and Cirrhosis	521	6.4	6.1	199	8.5	10.2	177	6.5	5.4	111	6.0	5.5	28	2.7	2.8	6	352	9.1	9.2	169	3.9	3.6
External Causes	2,764	33.8	33.0	613	26.2	27.2	1,084	39.8	35.0	838	45.0	45.1	177	17.2	18.5	52	1,985	51.1	51.3	779	18.1	16.9
Motor Vehicle Accidents	279	3.4	3.4	70	3.0	3.2	114	4.2	4.0	58	3.1	3.1	32	3.1	3.2	5	198	5.1	5.2	81	1.9	1.8
Falls	367	4.5	4.4	52	2.2	2.9	207	7.6	5.2	62	3.3	3.3	38	3.7	5.2	8	216	5.6	6.4	151	3.5	2.9
Intentional Self-harm (Suicide)	503	6.2	5.9	102	4.4	4.5	243	8.9	8.1	83	4.5	4.5	63	6.1	6.0	12	374	9.6	9.5	129	3.0	2.9
Assault (Homicide)	551	6.7	6.8	142	6.1	5.8	38	1.4	1.3	348	18.7	19.2	16	1.6	1.5	7	462	11.9	11.7	89	2.1	2.1
Events of Undetermined Intent	217	2.7	2.6	38	1.6	1.6	102	3.7	3.3	62	3.3	3.3	10	1.0‡	0.9‡	5	145	3.7	3.7	72	1.7	1.6
Mental and Behavioral Disorders Due to Use of or Accidental Poisoning by Psychoactive Substances, Excluding Alcohol	665	8.1	7.7	188	8.0	8.2	286	10.5	9.9	174	9.3	8.6	5	0.5‡	0.5‡	12	471	12.1	11.6	194	4.5	4.2
Accidents Except Drug Poisoning	933	11.4	11.2	191	8.2	9.2	436	16.0	13.1	205	11.0	11.0	81	7.9	9.5	20	621	16.0	17.0	312	7.3	6.5

* See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.

† For All Causes, rates are per 1,000 population and all other selected causes rates are per 100,000 population. Population data are from 2010 US Census.

‡ Rate are not statistically reliable.

Table M12. Deaths and Death Rates* per 100,000 Population From Selected Underlying Causes by Community District of Residence, New York City, 2010

Community District of Residence	Population 2010 Census	All Causes (Rate per 1,000)			Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebro-vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance 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
ALL DEATH EVENTS	8,175,133	52,575	6.4	6.3	17,929	219.3	13,333	163.1	832	10.2	2,457	30.1	1,583	19.4	1,716	21.0	521	6.4	1,711	20.9	665	8.1	933	11.4	503	6.2	551	6.7	217	2.7
MANHATTAN‡	1,585,873	9,398	5.9	5.3	2,882	181.7	2,479	156.3	170	10.7	411	25.9	304	19.2	329	20.7	83	5.2	278	17.5	110	6.9	174	11.0	101	6.4	48	3.0	45	2.8
Battery Park, Tribeca (01)	60,978	179	2.9	4.7	50	82.0	51	83.6	–	–	8	13.1	10	16.4	7	11.5	3	4.9	4	6.6	3	4.9	4	6.6	1	1.6	–	–	–	–
Greenwich Village, SOHO (02)	90,016	409	4.5	4.3	120	133.3	127	141.1	3	3.3	17	18.9	13	14.4	18	20.0	2	2.2	11	12.2	2	2.2	11	12.2	8	8.9	1	1.1	2	2.2
Lower East Side (03)	163,277	1,143	7.0	5.9	320	196.0	290	177.6	28	17.1	55	33.7	44	26.9	39	23.9	15	9.2	46	28.2	12	7.3	25	15.3	9	5.5	6	3.7	4	2.4
Chelsea, Clinton (04)	103,245	565	5.5	5.6	167	161.8	135	130.8	8	7.7	18	17.4	14	13.6	20	19.4	5	4.8	17	16.5	11	10.7	13	12.6	9	8.7	1	1.0	5	4.8
Midtown Business District (05)	51,673	235	4.5	4.9	67	129.7	76	147.1	6	11.6	6	11.6	6	11.6	8	15.5	–	–	3	5.8	5	9.7	4	7.7	8	15.5	–	–	3	5.8
Murray Hill (06)	142,745	791	5.5	4.4	261	182.8	251	175.8	5	3.5	31	21.7	20	14.0	26	18.2	7	4.9	18	12.6	5	3.5	19	13.3	9	6.3	1	0.7	5	3.5
Upper West Side (07)	209,084	1,337	6.4	4.7	458	219.1	354	169.3	24	11.5	58	27.7	53	25.3	41	19.6	10	4.8	26	12.4	7	3.3	18	8.6	13	6.2	2	1.0	4	1.9
Upper East Side (08)	219,920	1,362	6.2	4.5	433	196.9	404	183.7	12	5.5	70	31.8	36	16.4	54	24.6	6	2.7	21	9.5	9	4.1	27	12.3	17	7.7	–	–	6	2.7
Manhattanville (09)	110,193	620	5.6	6.1	194	176.1	151	137.0	11	10.0	26	23.6	27	24.5	16	14.5	8	7.3	24	21.8	11	10.0	5	4.5	6	5.4	6	5.4	2	1.8
Central Harlem (10)	115,723	850	7.3	8.0	262	226.4	199	172.0	26	22.5	35	30.2	19	16.4	26	22.5	6	5.2	38	32.8	17	14.7	19	16.4	5	4.3	11	9.5	5	4.3
East Harlem (11)	120,511	937	7.8	7.7	268	222.4	202	167.6	35	29.0	38	31.5	30	24.9	35	29.0	10	8.3	43	35.7	19	15.8	11	9.1	8	6.6	12	10.0	5	4.1
Washington Heights (12)	190,020	950	5.0	4.9	277	145.8	236	124.2	12	6.3	49	25.8	32	16.8	39	20.5	10	5.3	26	13.7	6	3.2	17	8.9	8	4.2	8	4.2	4	2.1
BRONX‡	1,385,108	8,547	6.2	6.8	2,710	195.7	1,939	140.0	254	18.3	434	31.3	260	18.8	350	25.3	98	7.1	323	23.3	167	12.1	137	9.9	54	3.9	133	9.6	29	2.1
Mott Haven (01)	91,497	516	5.6	7.5	141	154.1	101	110.4	20	21.9	26	28.4	12	13.1	24	26.2	6	6.6	25	27.3	16	17.5	6	6.6	5	5.5	17	18.6	–	–
Hunts Point (02)	52,246	253	4.8	6.7	78	149.3	61	116.8	9	17.2	11	21.1	6	11.5	7	13.4	3	5.7	7	13.4	8	15.3	4	7.7	2	3.8	8	15.3	2	3.8
Morrisania (03)	79,762	468	5.9	8.5	116	145.4	108	135.4	32	40.1	15	18.8	7	8.8	20	25.1	6	7.5	29	36.4	13	16.3	7	8.8	3	3.8	14	17.6	3	3.8
Concourse, Highbridge (04)	146,441	795	5.4	7.2	208	142.0	171	116.8	46	31.4	35	23.9	19	13.0	43	29.4	20	13.7	36	24.6	23	15.7	6	4.1	4	2.7	16	10.9	2	1.4
University/Morris Heights (05)	128,200	567	4.4	6.5	144	112.3	127	99.1	34	26.5	34	26.5	22	17.2	24	18.7	12	9.4	23	17.9	19	14.8	9	7.0	8	6.2	10	7.8	1	0.8
East Tremont (06)	83,268	427	5.1	7.3	107	128.5	92	110.5	20	24.0	17	20.4	9	10.8	17	20.4	3	3.6	25	30.0	16	19.2	12	14.4	4	4.8	8	9.6	2	2.4
Fordham (07)	139,286	738	5.3	6.9	256	183.8	150	107.7	20	14.4	36	25.8	27	19.4	40	28.7	8	5.7	22	15.8	9	6.5	16	11.5	7	5.0	11	7.9	5	3.6
Riverdale (08)	101,731	954	9.4	5.9	393	386.3	213	209.4	4	3.9	43	42.3	23	22.6	32	31.5	5	4.9	29	28.5	7	6.9	14	13.8	3	2.9	3	2.9	3	2.9
Unionport, Soundview (09)	172,298	955	5.5	6.5	316	183.4	211	122.5	21	12.2	43	25.0	29	16.8	24	13.9	13	7.5	35	20.3	16	9.3	17	9.9	4	2.3	15	8.7	5	2.9
Throgs Neck (10)	120,392	1,033	8.6	6.2	361	299.9	275	228.4	6	5.0	61	50.7	36	29.9	47	39.0	6	5.0	23	19.1	17	14.1	13	10.8	7	5.8	6	5.0	2	1.7
Pelham Parkway (11)	113,232	953	8.4	7.2	326	287.9	218	192.5	19	16.8	67	59.2	30	26.5	39	34.4	10	8.8	32	28.3	14	12.4	17	15.0	3	2.6	9	7.9	2	1.8
Williamsbridge (12)	152,344	885	5.8	6.0	262	172.0	212	139.2	23	15.1	46	30.2	40	26.3	33	21.7	6	3.9	37	24.3	9	5.9	16	10.5	4	2.6	16	10.5	2	1.3
BROOKLYN	2,504,700	15,253	6.1	6.2	5,309	212.0	3,686	147.2	262	10.5	746	29.8	467	18.6	457	18.2	150	6.0	572	22.8	159	6.3	243	9.7	116	4.6	214	8.5	59	2.4
Williamsburg, Greenpoint (01)	173,083	792	4.6	6.1	265	153.1	193	111.5	9	5.2	29	16.8	30	17.3	21	12.1	14	8.1	43	24.8	10	5.8	12	6.9	10	5.8	3	1.7	4	2.3
Fort Greene, Brooklyn Heights (02)	99,617	587	5.9	6.4	216	216.8	144	144.6	8	8.0	17	17.1	15	15.1	22	22.1	5	5.0	25	25.1	8	8.0	11	11.0	4	4.0	8	8.0	3	3.0
Bedford Stuyvesant (03)	152,985	972	6.4	8.0	305	199.4	207	135.3	37	24.2	42	27.5	31	20.3	31	20.3	11	7.2	48	31.4	17	11.1	16	10.5	4	2.6	35	22.9	4	2.6
Bushwick (04)	112,634	479	4.3	6.3	130	115.4	93	82.6	18	16.0	27	24.0	12	10.7	12	10.7	12	10.7	25	22.2	7	6.2	8	7.1	7	6.2	11	9.8	4	3.6
East New York (05)	182,896	1,044	5.7	6.8	338	184.8	235	128.5	38	20.8	35	19.1	43	23.5	34	18.6	20	10.9	43	23.5	13	7.1	13	7.1	8	4.4	34	18.6	4	2.2
Park Slope (06)	104,709	523	5.0	6.1	203	193.9	130	124.2	3	2.9	23	22.0	11	10.5	19	18.1	4	3.8	15	14.3	6	5.7	4	3.8	8	7.6	2	1.9	2	1.9
Sunset Park (07)	126,230	546	4.3	5.9	187	148.1	140	110.9	2	1.6	40	31.7	18	14.3	17	13.5	6	4.8	16	12.7	13	10.3	10	7.9	6	4.8	6	4.8	2	1.6
Crown Heights North (08)	96,317	577	6.0	6.9	180	186.9	135	140.2	24	24.9	21	21.8	18	18.7	18	18.7	4	4.2	31	32.2	7	7.3	6	6.2	10	10.4	17	17.7	1	1.0
Crown Heights South (09)	98,429	582	5.9	6.1	153	155.4	161	163.6	14	14.2	21	21.3	19	19.3	13	13.2	3	3.0	40	40.6	5	5.1	9	9.1	7	7.1	10	10.2	1	1.0
Bay Ridge (10)	124,491	928	7.5	6.1	366	294.0	219	175.9	7	5.6	84	67.5	20	16.1	26	20.9	11	8.8	13	10.4	7	5.6	22	17.7	7	5.6	1	0.8	3	2.4
Bensonhurst (11)	181,981	1,246	6.8	5.5	491	269.8	315	173.1	4	2.2	65	35.7	32	17.6	45	24.7	10	5.5	32	17.6	8	4.4	17	9.3	7	3.8	7	3.8	2	1.1
Borough Park (12)	191,382	919	4.8	5.0	307	160.4	236	123.3	2	1.0	62	32.4	24	12.5	23	12.0	5	2.6	26	13.6	5	2.6	20	10.5	4	2.1	2	1.0	4	2.1
Coney Island (13)	104,278	1,264	12.1	7.2	492	471.8	297	284.8	14	13.4	80	76.7	39	37.4	32	30.7	5	4.8	30	28.8	11	10.5	15	14.4	5	4.8	10	9.6	7	6.7
Flatbush, Midwood (14)	160,664	935	5.8	5.9	346	215.4	232	144.4	16	10.0	37	23.0	26	16.2	24	14.9	5	3.1	42	26.1	4	2.5	13	8.1	5	3.1	9	5.6	4	2.5
Sheepshead Bay (15)	159,650	1,244	7.8	5.4	495	310.1	291	182.3	3	1.9	79	49.5	41	25.7	41	25.7	11	6.9	27	16.9	6	3.8	26	16.3	8	5.0	4	2.5	4	2.5
Brownsville (16)	86,468	637	7.4	9.2	179	207.0	142	164.2	31	35.9	17	19.7	24	27.8	26	30.1	7	8.1	29	33.5	13	15.0	9	10.4	4	4.6	25	28.9	3	3.5
East Flatbush (17)	155,252	826	5.3	5.4	255	164.2	214	137.8	20	12.9	27	17.4	28	18.0	15	9.7	10	6.4	50	32.2	5	3.2	12	7.7	3	1.9	19	12.2	3	1.9
Canarsie (18)	193,543	1,145	5.9	5.9	401	207.2	302	156.0	12	6.2	38	19.6	36	18.6	36	18.6	7	3.6	37	19.1	14	7.2	19	9.8	9	4.7	11	5.7	4	2.1

Continued on next page.

Table M12. Deaths and Death Rates* per 100,000 Population From Selected Underlying Causes by Community District of Residence, New York City, 2010 (Continued)

Community District of Residence	Population 2010 Census	All Causes (Rate per 1,000)			Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebro-vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance 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	2,230,722	12,155	5.4	5.0	4,759	213.3	2,884	129.3	79	3.5	618	27.7	379	17.0	359	16.1	119	5.3	360	16.1	108	4.8	207	9.3	148	6.6	99	4.4	37	1.7
Astoria, Long Island City (01)	191,105	996	5.2	5.6	383	200.4	258	135.0	4	2.1	45	23.5	32	16.7	28	14.7	8	4.2	33	17.3	19	9.9	16	8.4	8	4.2	5	2.6	8	4.2
Sunnyside, Woodside (02)	113,200	470	4.2	4.6	185	163.4	122	107.8	2	1.8	25	22.1	16	14.1	8	7.1	10	8.8	11	9.7	4	3.5	7	6.2	9	8.0	–	–	–	–
Jackson Heights (03)	171,576	720	4.2	4.8	250	145.7	151	88.0	8	4.7	56	32.6	14	8.2	28	16.3	10	5.8	24	14.0	5	2.9	14	8.2	13	7.6	4	2.3	3	1.7
Elmhurst, Corona (04)	172,598	614	3.6	4.5	190	110.1	163	94.4	–	–	36	20.9	31	18.0	13	7.5	7	4.1	13	7.5	6	3.5	14	8.1	12	7.0	7	4.1	3	1.7
Ridgewood, Glendale (05)	169,190	1,007	6.0	5.7	381	225.2	255	150.7	4	2.4	48	28.4	24	14.2	38	22.5	14	8.3	32	18.9	7	4.1	20	11.8	12	7.1	6	3.5	4	2.4
Rego Park, Forest Hills (06)	113,257	836	7.4	4.8	339	299.3	202	178.4	3	2.6	88	77.7	18	15.9	15	13.2	2	1.8	13	11.5	6	5.3	15	13.2	12	10.6	–	–	3	2.6
Flushing (07)	247,354	1,526	6.2	4.4	619	250.2	365	147.6	2	0.8	88	35.6	59	23.9	49	19.8	9	3.6	23	9.3	13	5.3	30	12.1	20	8.1	8	3.2	2	0.8
Fresh Meadows, Briarwood (08)	151,107	893	5.9	4.9	379	250.8	192	127.1	5	3.3	53	35.1	32	21.2	28	18.5	5	3.3	20	13.2	5	3.3	10	6.6	11	7.3	4	2.6	2	1.3
Woodhaven (09)	143,317	620	4.3	5.0	235	164.0	145	101.2	5	3.5	27	18.8	24	16.7	16	11.2	9	6.3	30	20.9	6	4.2	9	6.3	5	3.5	5	3.5	3	2.1
Howard Beach (10)	122,396	639	5.2	5.1	252	205.9	152	124.2	5	4.1	23	18.8	16	13.1	15	12.3	11	9.0	24	19.6	10	8.2	20	16.3	9	7.4	3	2.5	2	1.6
Bayside (11)	116,431	614	5.3	3.6	257	220.7	166	142.6	1	0.9	31	26.6	25	21.5	17	14.6	3	2.6	8	6.9	6	5.2	5	4.3	8	6.9	–	–	1	0.9
Jamaica, St. Albans (12)	225,919	1,317	5.8	5.9	510	225.7	283	125.3	22	9.7	43	19.0	43	19.0	31	13.7	13	5.8	69	30.5	6	2.7	19	8.4	7	3.1	35	15.5	–	–
Queens Village (13)	188,593	894	4.7	4.0	318	168.6	222	117.7	7	3.7	29	15.4	29	15.4	23	12.2	6	3.2	34	18.0	5	2.7	14	7.4	13	6.9	14	7.4	1	0.5
The Rockaways (14)	114,978	997	8.7	8.1	458	398.3	208	180.9	10	8.7	26	22.6	16	13.9	49	42.6	11	9.6	25	21.7	8	7.0	14	12.2	8	7.0	8	7.0	5	4.3
STATEN ISLAND	468,730	3,273	7.0	6.6	1,335	284.8	836	178.4	27	5.8	144	30.7	61	13.0	136	29.0	23	4.9	104	22.2	53	11.3	66	14.1	27	5.8	22	4.7	16	3.4
Port Richmond (01)	175,756	1,188	6.8	7.3	464	264.0	297	169.0	19	10.8	40	22.8	17	9.7	37	21.1	7	4.0	50	28.4	25	14.2	32	18.2	12	6.8	15	8.5	4	2.3
Willowbrook, South Beach (02)	132,003	1,066	8.1	6.3	483	365.9	251	190.1	3	2.3	47	35.6	19	14.4	55	41.7	10	7.6	27	20.5	15	11.4	14	10.6	9	6.8	2	1.5	8	6.1
Tottenville (03)	160,209	1,018	6.4	6.2	388	242.2	287	179.1	5	3.1	57	35.6	25	15.6	44	27.5	6	3.7	27	16.9	13	8.1	20	12.5	6	3.7	5	3.1	4	2.5
NONRESIDENTS	–	3,854	–	–	909	–	1,507	–	39	–	103	–	111	–	82	–	45	–	73	–	65	–	89	–	50	–	33	–	17	–
RESIDENCE UNKNOWN	–	95	–	–	25	–	2	–	1	–	1	–	1	–	3	–	3	–	1	–	3	–	17	–	7	–	2	–	14	–

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.

* Rates are calculated based on 2010 Census population counts derived by the Department of City Planning. See Technical Notes: Population, Community District.

† See Technical Notes: Deaths, Homicide.

‡ The northernmost Manhattan neighborhood of Marble Hill is in the Bronx under the community district system. As a result, the numbers of deaths in Manhattan and Bronx are slightly different from Table M1.

Table M13. Deaths and Crude Death Rates* per 100,000 Population

ANNUAL

Cause (ICD-10 Codes) ‡‡	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955
Infant Deaths (under 1 year)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882	4,021
Rate per 1,000 live births	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5	24.6
Neonatal Deaths (under 28 days)	§§	§§	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births			37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early Neonatal Deaths (under 7 Days)	§§	§§	§§	§§	§§	§§	§§	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births								20.5	18.5	17.7	16.4	16.6
Fetal Deaths 28 Weeks Gestation and Older	§§	§§	§§	§§	§§	§§	§§	2,589	2,709	2,902	2,441	2,310
Ratio per I ,000 live births								25.3	21.4	18.1	15.4	14.1
Perinatal mortality ratio†	§§	§§	§§	§§	§§	§§	§§	44.7	39.1	35.1	31.3	30.2
Pregnancy, Childbirth, and the Puerperium (O00-O99)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate per 100,000 live births												
Maternal Causes |||| (A34, O00-O95, O98-O99)	694	745	694	664	689	651	608	372	255	178	115	102
Rate per 100,000 live births	538.0	517.4	493.7	487.9	528.1	518.4	572.6	363.2	201.6	110.8	72.6	62.3
Respiratory Tuberculosis (A16)	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932	2,173	1,178
Rate	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7	27.4	15.0
Other Forms of Tuberculosis (A17-A19)	§§	§§	§§	§§	§§	§§	§§	§§	§§	225	174	97
Rate										2.9	2.2	1.2
HIV Disease (B20-B24) ‡	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate												
Malignant Neoplasms (C00-C97)	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627	15,556	16,553
Rate	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2	196.0	210.6
Trachea, bronchus, and lung, male (C33-C34)	§§	§§	§§	§§	§§	§§	§§	§§	§§	828	847	1,021
Rate										21.9	22.2	27.0
Trachea, bronchus, and lung, female (C33-C34)	§§	§§	§§	§§	§§	§§	§§	§§	§§	220	179	228
Rate										5.5	4.4	5.6
Colon, rectum, and anus (C18-C21)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate												
Breast, female (C50)	§§	§§	§§	§§	§§	§§	§§	§§	§§	1,429	1,476	1,517
Rate										35.9	36.4	37.3
Diabetes Mellitus (E10-E14)	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423	1,583	1,644
Rate	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0	19.9	20.9
Major Cardiovascular Diseases (I00-I78)	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539	36,206	37,724
Rate	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7	456.3	479.9
Cerebrovascular disease (I60-I69)	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099	5,688
Rate	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7	64.3	72.4
Influenza and Pneumonia (J09-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 Diseases(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 and 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¶	§§	§§	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												

*Populations for calculating rates vary by year. See Technical Notes: Population, Citywide.
†Perinatal mortality ratio: see section titled "Rates and Ratios Defined" for definition.
‡AIDS was first reported as a cause of death in 1982. See the Technical Notes and Historical Technical Notes: Deaths, HIV and AIDS Mortality.
§Data for 1982-1985.
||Rate less than 0.05.
¶Motor vehicle accident codes are listed in Table M1.
**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.
††Beginning January 2007, causes of death coding was changed. See Technical Notes: Deaths, Cause of Death Coding.
‡‡ Codes following causes in parenthesis are the International Classification of Diseases, Tenth Revision.
§§Data are not available or not applicable.
||||See Technical Notes: Maternal Death and Maternal Mortality.

for Selected Causes, New York City, 1901-2010

AVERAGE																		
1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001**	2002	2003	2004	2005	2006	2007††	2008	2009	2010
4,290	4,333	3,477	2,312	1,875	1,624	1,691	1,339	881	760	742	807	760	732	740	697	698	668	609
25.7	26.2	23.6	19.9	17.4	14.4	12.8	10.0	7.1	6.1	6.0	6.5	6.1	6.0	5.9	5.4	5.5	5.3	4.9
3,220	3,226	2,602	1,714	1,333	1,097	1,159	912	609	524	497	542	516	481	484	430	466	444	403
19.3	19.5	17.7	14.8	12.3	9.7	8.8	6.8	4.9	4.2	4.0	4.4	4.2	3.9	3.9	3.3	3.6	3.5	3.2
2,909	2,922	2,351	1,480	1,131	927	972	753	478	409	379	432	377	374	362	311	345	343	316
17.4	17.7	16.0	12.8	10.5	8.2	7.4	5.6	3.8	3.3	3.1	3.5	3.0	3.0	2.9	2.4	2.7	2.7	2.5
2,362	2,276	1,885	1,288	835	719	698	686	518	444	460	410	419	422	379	387	395	407	373
14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.1	4.2	3.6	3.7	3.3	3.4	3.4	3.0	3.0	3.1	3.2	3.0
31.1	31.0	28.4	23.6	18.1	14.5	12.6	10.6	8.0	6.9	6.8	6.7	6.4	6.5	5.9	5.4	5.8	5.9	5.5
§§	§§	§§	§§	§§	§§	§§	§§	30	43	32	29	29	26	34	39	42	42	36
								24.1	34.7	26.0	23.3	23.4	21.2	27.1	30.2	32.9	33.1	28.8
107	109	73	36	28	33	29	26	22	41	31	22	28	21	29	32	39	31	30
64.1	66.0	49.6	31.1	25.9	29.2	22.3	19.2	17.5	33.1	25.2	17.7	22.6	17.1	23.1	24.8	30.5	24.5	24.0
824	624	432	235	141	125	174	135	39	30	26	26	26	17	15	14	13	18	19
10.6	8.0	5.5	3.1	2.0	1.7	2.4	1.8	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
52	43	39	32	22	35	55	34	14	3	4	8	5	4	3	2	5	7	7
0.7	0.6	0.5	0.4	0.3	0.5	0.8	0.5	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
§§	§§	§§	§§	§§	768§	3,703	6,257	2,716	1,774	1,713	1,656	1,451	1,419	1,209	1,115	1,073	933	832
					10.7	50.9	83.2	36.4	22.0	21.2	20.5	18.0	17.7	15.1	13.9	13.3	11.5	10.2
16,869	17,398	17,814	17,315	16,549	15,889	15,612	15,191	14,335	14,041	*****	13,826	13,611	13,366	13,116	13,251	13,047	13,180	13,333
216.1	222.1	226.3	226.3	228.7	222.3	214.7	201.9	192.2	174.2	170.2	171.4	169.2	166.8	164.1	165.4	161.7	162.1	162.9
1,157	1,294	1,890	2,434	2,387	2,217	2,201	2,083	1,849	1,746	1,708	1,738	1,727	1,648	1,580	1,597	1,593	1,500	1,553
30.9	34.8	51.0	68.1	71.0	66.7	64.4	60.6	52.7	45.7	44.7	45.4	45.3	43.4	41.7	42.0	41.6	38.9	39.9
261	303	474	777	970	1,169	1,315	1,426	1,416	1,426	1,413	1,436	1,331	1,335	1,308	1,378	1,315	1,304	1,393
6.4	7.4	11.4	19.1	25.0	30.6	33.9	36.7	35.9	33.6	33.3	33.8	31.4	31.7	31.1	32.7	31.0	30.5	32.4
§§	§§	§§	§§	§§	§§	§§	1,805	1,685	1,595	1,577	1,638	1,495	1,427	1,473	1,376	1,419	1,408	1,393
							24.0	22.6	19.8	19.5	20.3	18.6	17.8	18.4	17.2	17.6	17.3	17.0
1,573	1,694	1,787	1,723	1,622	1,533	1,537	1,510	1,354	1,348	1,218	1,249	1,261	1,254	1,184	1,109	1,095	1,099	1,068
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	34.3	31.8	28.7	29.4	29.8	29.8	28.2	26.3	25.8	25.7	24.9
1,581	1,789	1,867	2,064	1,547	1,436	1,198	1,348	1,659	1,710	1,704	1,891	1,734	1,813	1,708	1,560	1,643	1,690	1,711
20.3	22.9	23.7	27.0	21.4	20.1	16.5	17.9	22.2	21.2	21.1	23.4	21.6	22.6	21.4	19.5	20.4	20.8	20.9
38,988	39,943	41,981	40,639	37,978	37,818	33,527	32,074	29,330	27,407	*****	26,992	25,687	25,592	24,760	24,300	24,016	22,950	21,043
499.5	510.2	532.4	531.1	524.8	529.1	461.0	426.4	393.2	340.0	342.4	334.6	319.4	319.4	309.7	303.2	297.7	282.2	257.1
6,013	6,174	6,277	5,433	4,174	3,194	2,927	2,256	2,058	1,887	1,854	1,855	1,794	1,647	1,669	1,563	1,512	1,448	1,583
77.0	78.9	79.7	71.0	57.7	44.7	40.2	30.0	27.6	23.4	23.0	23.0	22.3	20.6	20.9	19.5	18.7	17.8	19.3
3,459	3,394	3,562	3,164	3,000	2,740	3,354	2,810	2,548	2,505	2,508	2,692	3,003	2,921	2,578	2,247	2,300	2,278	2,457
44.3	43.4	45.2	41.4	41.5	38.3	46.1	37.4	34.2	31.1	31.1	33.4	37.3	36.5	32.2	28.0	28.5	28.0	30.0
651	960	1,425	1,627	1,583	1,941	2,507	1,943	2,025	2,118	2,092	2,013	2,052	1,912	1,722	1,778	1,943	1,945	2,158
8.3	12.3	18.1	21.3	21.9	27.2	34.5	25.8	27.1	26.3	25.9	25.0	25.5	23.9	21.5	22.2	24.1	23.9	26.4
1,858	2,386	2,936	2,440	2,185	1,789	1,289	946	697	578	540	520	500	469	454	453	542	494	521
23.8	30.5	37.3	31.9	30.2	25.0	17.7	12.6	9.3	7.2	6.7	6.4	6.2	5.9	5.7	5.7	6.7	6.1	6.4
573	509	447	372	381	383	816	311	564	800	711	635	592	531	468	435	385	371	487
7.3	6.5	5.7	4.9	5.3	5.4	11.2	4.1	7.6	9.9	8.8	7.9	7.4	6.6	5.9	5.4	4.8	4.6	5.9
96	263	551	677	414	573	787	947	875	887	869	909	822	843	903	149††	129	136	144
1.2	3.4	7.0	8.8	5.7	8.0	10.8	12.6	11.7	11.0	10.8	11.3	10.2	10.5	11.3	1.8	1.6	1.7	1.8
§§	§§	§§	§§	§§	1	143	49	26	22	36	51	33	63	76	700††	607	562	521
					||	2.0	0.7	0.3	0.3	0.4	0.6	0.4	0.8	1.0	8.5	7.5	6.9	6.4
655	714	887	834	606	477	624	554	419	402	414	384	349	380	385	300	320	291	279
8.4	9.1	11.3	10.9	8.4	6.7	8.6	7.4	5.6	5.0	5.1	4.8	4.3	4.7	4.8	3.7	4.0	3.6	3.4
1,095	951	871	755	525	486	589	508	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
14.0	12.1	11.1	9.9	7.3	6.8	8.1	6.8											
2,091	1,947	1,730	1,239	926	812	880	394	493	956	766	763	696	779	734	735	724	712	654
26.8	24.9	22.0	16.2	12.8	11.4	12.1	5.2	6.6	11.9	9.5	9.5	8.7	9.7	9.2	9.2	9.0	8.8	8.0
711	908	680	641	711	603	600	599	514	462	495	484	493	481	459	477	473	475	503
9.1	11.6	8.6	8.4	9.8	8.4	8.3	8.0	6.9	5.7	6.1	6.0	6.1	6.0	5.7	6.0	5.9	5.8	6.1
366	592	992	1,663	1,700	1,763	1,902	1,815	778	670	616	657	598	579	624	517	558	496	551
4.7	7.6	12.6	21.7	23.5	24.7	26.2	24.1	10.4	8.3	7.6	8.1	7.4	7.2	7.8	6.5	6.9	6.1	6.7
§§	§§	946	1,062	699	696	504	161	151	206	261	189	234	269	263	185	192	201	217
		10.9	13.9	9.7	9.7	6.9	2.0	2.0	2.6	3.2	2.3	2.9	3.4	3.3	2.3	2.4	2.5	2.7
§§	§§	§§	§§	§§	§§	§§	84	115	172	230	249	242	269	246	283	374	520	577
							1.2	1.5	2.1	2.8	3.1	3.0	3.4	3.1	3.5	4.6	6.4	7.0
§§	§§	§§	§§	§§	§§	§§	269	243	215	205	205	180	177	149	135	149	152	185
							3.7	3.3	2.7	2.5	2.5	2.2	2.2	1.9	1.7	1.8	1.9	2.3

Table M14. Alcohol-attributable Deaths, Age ≥20 Years, New York City, 2006-2010

	2006*†			2007*			2008			2009			2010		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total for All Causes	1,789	1,353	437	1,681	1,267	414	1,703	1,254	449	1,675	1,220	455	1,629	1,170	459
Chronic Causes															
Acute pancreatitis	14	8	6	12	6	6	16	9	7	12	8	4	10	7	3
Alcohol abuse	73	58	15	57	44	13	72	59	13	57	46	11	58	47	11
Alcohol cardiomyopathy	8	8	0	5	5	0	5	5	0	8	8	0	9	6	3
Alcohol dependence syndrome	198	162	36	175	146	29	132	109	23	149	110	39	143	119	24
Alcohol polyneuropathy	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Alcohol-induced chronic pancreatitis	3	3	0	1	1	0	3	2	1	4	4	0	1	1	0
Alcoholic gastritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcoholic liver disease	315	249	66	323	258	65	377	280	97	332	262	70	351	259	92
Alcoholic myopathy	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Alcoholic psychosis	7	7	0	4	3	1	6	6	0	10	8	2	2	2	0
Breast cancer (females only)	10	0	10	8	0	8	9	0	9	10	0	10	12	0	12
Cholelithiases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic hepatitis	< 1	< 1	< 1	0	0	0	0	0	0	< 1	< 1	0	< 1	0	< 1
Chronic pancreatitis	5	3	2	6	5	1	3	3	1	5	3	2	5	3	2
Degeneration of nervous system due to alcohol	0	0	0	0	0	0	1	1	0	0	0	0	2	2	0
Epilepsy	3	2	2	4	2	2	3	2	1	5	2	3	5	3	2
Esophageal cancer	7	5	2	10	9	1	6	5	1	7	6	2	7	5	2
Esophageal varices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fetal alcohol syndrome	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Fetus and newborn affected by maternal use of alcohol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastroesophageal hemorrhage	1	< 1	< 1	< 1	< 1	0	1	1	0	1	< 1	1	< 1	0	< 1
Hypertension	52	27	25	60	39	21	52	24	27	64	29	35	75	32	43
Ischemic heart disease	26	14	11	30	20	10	22	11	11	23	12	12	23	11	12
Laryngeal cancer	5	5	1	7	6	1	4	4	1	5	4	1	5	4	1
Liver cancer	25	18	7	32	26	6	21	15	6	24	17	8	32	22	10
Liver cirrhosis unspecified	78	47	31	61	30	31	79	40	39	76	44	32	94	54	40
Low birthweight, prematurity, IUGR ‡	3	2	1	3	2	1	3	1	2	3	2	1	< 1	0	< 1
Oropharyngeal cancer	5	5	1	9	8	1	5	4	1	7	6	1	6	4	2
Portal hypertension	< 1	< 1	0	< 1	0	< 1	< 1	< 1	0	1	1	0	1	1	0
Prostate cancer (males only)	4	4	0	5	5	0	3	3	0	4	4	0	4	4	0
Psoriasis	< 1	0	< 1	< 1	< 1	< 1	< 1	< 1	0	< 1	< 1	0	0	0	0
Spontaneous abortion (females only)	0	0	0	0	0	0	0	0	0	0	0	0	< 1	0	< 1
Stroke, hemorrhagic	28	23	5	26	22	4	18	15	3	22	16	6	25	20	6
Stroke, ischemic	3	2	1	5	4	1	4	3	1	7	5	2	8	5	3
Superventricular cardiac dysrhythmia	2	1	1	2	1	1	2	1	1	1	< 1	1	2	1	1
Subtotal	875	653	222	846	644	202	849	602	246	841	598	243	882	611	271
Acute Causes															
Air-space transport	< 1	< 1	0	0	0	0	0	0	0	2	2	< 1	0	0	0
Alcohol poisoning	10	9	1	7	6	1	58	50	8	75	64	11	52	41	11
Aspiration	2	1	1	5	3	2	4	2	2	3	1	2	2	1	1
Child maltreatment	5	2	4	4	2	2	4	2	2	2	2	< 1	0	0	0
Drowning	5	3	2	4	2	2	2	1	1	6	5	1	5	3	2
Excessive blood alcohol level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall injuries	127	75	52	132	78	53	123	74	49	122	70	52	116	68	48
Fire injuries	22	11	11	29	16	14	27	16	11	23	10	13	16	8	8
Firearm injuries	1	1	0	1	1	0	0	0	0	< 1	< 1	0	0	0	0
Homicide	276	238	38	231	198	33	251	217	33	227	190	37	204	174	30
Hypothermia	3	3	1	11	8	3	5	4	1	5	3	2	4	3	< 1
Motor-vehicle non-traffic crashes	1	< 1	< 1	1	1	0	< 1	< 1	< 1	1	< 1	1	< 1	< 1	0
Motor-vehicle traffic crashes	110	90	21	90	72	17	89	69	20	89	69	19	83	69	14
Occupational and machine injuries	1	1	0	1	1	0	2	2	< 1	1	1	0	1	1	0
Other road vehicle crashes	3	3	1	5	4	1	5	4	1	5	5	< 1	3	3	< 1
Poisoning (not alcohol)	241	183	58	206	153	53	177	131	46	164	116	48	151	106	46
Suicide	104	79	26	110	79	30	108	80	28	108	82	26	109	81	28
Suicide by and exposure to alcohol	2	2	0	0	0	0	0	0	0	1	1	0	1	1	0
Water transport	1	1	0	1	1	0	0	0	0	< 1	< 1	0	0	0	0
Subtotal	915	700	215	835	623	212	854	651	202	834	622	212	747	559	188

Note: Alcohol prevalence data are provided by the Bureau of Epidemiology Services. See Technical Notes: Deaths, Smoking- and Alcohol-attributable Mortality.

* Due to an increase of attributable drug poisoning deaths caused by shifting from manual to automated coding, 2006-2007 data have been recalculated using National Center for Health Statistics (NCHS) data that used automated coding.

† 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.

‡ IUGR = Intrauterine growth restriction.

- The age-adjusted death rate for trachea, bronchus, and lung cancer varies by racial/ethnic group.
- Age-adjusted trachea, bronchus, and lung cancer death rates are highest among non-Hispanic whites, at 60.4 per 100,000, followed by non-Hispanic blacks at 53.7, Asian and Pacific Islanders at 37.8, and Hispanics at 28.7 per 100,000 population.

Figure M7. Age-adjusted Death Rates for Trachea, Bronchus, and Lung Malignant Neoplasms, by Racial/Ethnic Group, Age ≥20 Years, New York City, 2010

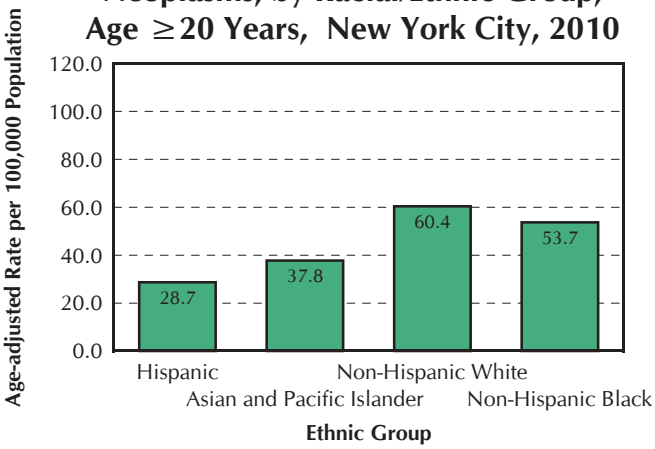
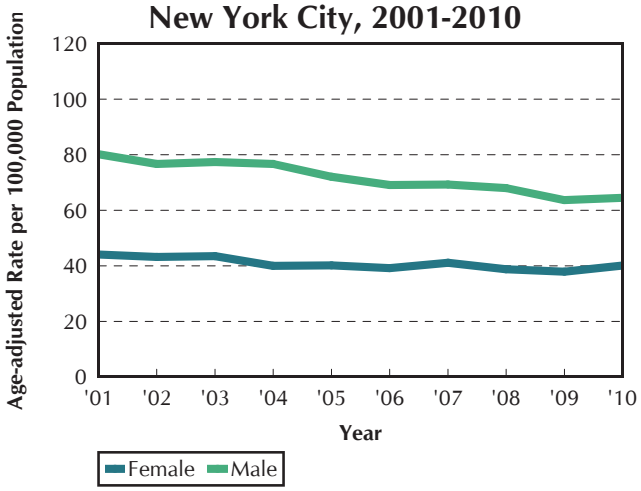


Figure M8. Age-adjusted Death Rates for Trachea, Bronchus, and Lung Malignant Neoplasms, by Sex, Age ≥20 Years, New York City, 2001-2010



- From 2001 to 2010, males had a substantially higher trachea, bronchus, and lung cancer age-adjusted death rate at 64.5 deaths per 100,000, compared to females at 40.1 deaths per 100,000.
- The age-adjusted rate for males decreased 19.6% from 80.2 in 2001 to 64.5 in 2010.
- The age-adjusted death rates for females declined to a lesser extent than males, from 44.1 in 2001 to 40.1 in 2010, a 9.1% decline.

- For cancer of the trachea, bronchus, and lung, a decrease in age-adjusted death rates occurred in all presented age groups from 2001 to 2010.
- Among the three age groups presented, the greatest decrease (37.3%) was seen in the 35-44 age group, while smaller decreases occurred among those 45-54 years (32.5%) followed by those 55-64 years (26.6%).

Figure M9. Age-specific Death Rates for Trachea, Bronchus, and Lung Malignant Neoplasms by Selected Age Group, New York City, 2001-2010

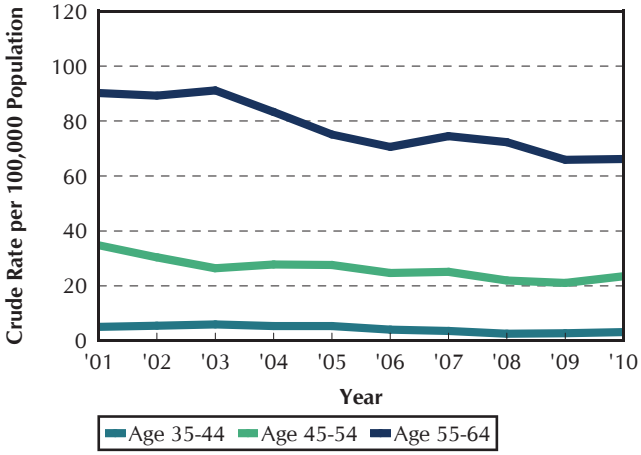


Table M15. Smoking-attributable Deaths, Age-adjusted Death Rates* and Their Changes, Age ≥ 35 Years, New York City, 2006-2010

	2006						2007						2008						2009						2010						Change from 2006 to 2010			
	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)			Deaths		Age-adjusted Rates (Per 100,000)	
Disease Category	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	Death Change	% Change	Rate Change	% Change of Rate
Total	4,433	3,311	7,744	262.4	124.9	180.6	4,418	3,020	7,438	254.7	112.4	169.8	4,251	3,318	7,569	239.0	119.6	168.6	4,239	2,962	7,201	245.3	109.8	163.6	4,061	2,928	6,989	240.3	111.9	163.4	-755	-9.7%	-17.2	-9.5%
Malignant Neoplasms																																		
Lip, Oral Cavity, Pharynx	91	20	111	5.0	0.8	2.6	97	23	120	5.2	0.9	2.7	90	24	114	4.8	0.9	2.6	108	26	134	5.7	1.0	3.0	93	31	124	5.2	1.3	2.9	13	11.7%	0.3	11.5%
Esophagus	126	63	189	7.2	2.5	4.5	153	40	193	8.7	1.6	4.5	137	50	187	7.5	2.0	4.2	156	45	201	8.7	1.7	4.6	129	42	171	7.2	1.7	4.0	-18	-9.5%	-0.5	-11.1%
Stomach	67	24	91	4.0	1.0	2.2	58	23	81	3.3	0.9	1.9	66	22	88	3.7	0.8	2.0	66	21	87	3.8	0.8	2.0	51	24	75	3.0	0.9	1.8	-16	-17.6%	-0.4	-18.2%
Pancreas	78	105	183	4.4	4.1	4.3	78	94	172	4.3	3.6	3.9	77	117	194	4.2	4.4	4.4	87	102	189	4.8	3.9	4.3	75	104	179	4.2	4.1	4.2	-4	-2.2%	-0.1	-2.3%
Larynx	78	12	90	4.6	0.5	2.1	75	14	89	4.1	0.5	2.1	72	16	88	4.0	0.6	2.0	71	20	91	3.9	0.8	2.1	63	15	78	3.6	0.6	1.8	-12	-13.3%	-0.3	-14.3%
Trachea, Lung, Bronchus	1,359	912	2,271	80.0	36.8	54.3	1,371	912	2,283	79.5	36.2	53.6	1,353	906	2,259	76.1	35.1	51.8	1,284	875	2,159	73.5	34.2	49.9	1,310	931	2,241	76.5	37.4	53.1	-30	-1.3%	-1.2	-2.2%
Cervix Uteri	0	13	13	0.0	0.5	0.3	0	14	14	0.0	0.6	0.3	0	13	13	0.0	0.5	0.3	0	15	15	0.0	0.6	0.3	0	11	11	0.0	0.5	0.3	-2	-15.4%	0.0	0.0%
Kidney and Renal Pelvis	48	4	52	2.8	0.2	1.2	52	1	53	2.9	0.0	1.2	43	2	45	2.4	0.1	1.0	63	1	64	3.6	0.0	1.5	52	3	55	3.0	0.1	1.3	3	5.8%	0.1	8.3%
Urinary Bladder	93	29	122	5.8	1.1	2.9	93	27	120	5.6	1.0	2.8	85	29	114	5.1	1.1	2.6	85	27	112	5.3	1.0	2.6	97	31	128	6.0	1.2	3.0	6	4.9%	0.1	3.4%
Acute Myeloid Leukemia	17	12	29	1.0	0.5	0.7	25	8	33	1.4	0.3	0.8	23	10	33	1.3	0.4	0.8	24	12	36	1.4	0.5	0.8	25	11	36	1.4	0.4	0.9	7	24.1%	0.2	28.6%
Subtotal	1,957	1,194	3,151	114.8	48.0	75.1	2,002	1,156	3,158	115.0	45.6	73.8	1,946	1,189	3,135	109.1	45.9	71.7	1,944	1,144	3,088	110.7	44.5	71.1	1,895	1,203	3,098	110.1	48.2	73.3	-53	-1.7%	-1.8	-2.4%
Cardiovascular Diseases																																		
Ischemic Heart Disease	1,483	1,228	2,711	86.7	44.0	61.7	1,444	1,031	2,475	82.2	36.1	54.9	1,366	1,177	2,543	75.3	39.9	54.8	1,348	961	2,309	77.1	33.9	51.3	1,133	825	1,958	65.9	29.8	44.6	-753	-27.8%	-17.1	-27.7%
Other Heart Disease	97	64	161	5.9	2.3	3.7	95	58	153	5.5	2.1	3.4	80	58	138	4.5	2.0	3.0	90	53	143	5.3	1.9	3.2	85	57	142	5.2	2.1	3.3	-19	-11.8%	-0.4	-10.8%
Cerebrovascular Disease	114	99	213	6.1	3.9	4.8	104	85	189	5.4	3.3	4.2	90	88	178	4.6	3.3	3.9	82	88	170	4.3	3.4	3.7	91	83	174	4.9	3.3	3.9	-39	-18.3%	-0.9	-18.8%
Atherosclerosis	13	7	20	0.8	0.2	0.5	21	4	25	1.2	0.1	0.6	18	7	25	1.0	0.2	0.5	25	6	31	1.6	0.2	0.7	19	6	25	1.2	0.2	0.6	5	25.0%	0.1	20.0%
Aortic Aneurysm	78	42	120	4.5	1.6	2.8	83	41	124	4.7	1.6	2.9	51	27	78	2.9	1.0	1.8	51	29	80	3.0	1.1	1.9	60	22	82	3.6	0.8	2.0	-38	-31.7%	-0.8	-28.6%
Other Arterial Disease	9	7	16	0.5	0.3	0.4	7	7	14	0.4	0.3	0.3	6	6	12	0.3	0.2	0.3	4	6	10	0.2	0.2	0.2	4	7	11	0.3	0.3	0.3	-5	-31.3%	-0.1	-25.0%
Subtotal	1,794	1,447	3,241	104.5	52.3	73.9	1,754	1,226	2,980	99.4	43.5	66.3	1,611	1,363	2,974	88.6	46.6	64.3	1,600	1,143	2,743	91.5	40.7	61.0	1,392	1,000	2,392	81.1	36.5	54.7	-849	-26.2%	-19.2	-26.0%
Respiratory Diseases																																		
Pneumonia, Influenza	225	184	409	14.3	6.5	9.4	204	126	330	12.5	4.4	7.4	194	155	349	11.5	5.2	7.6	202	128	330	12.7	4.5	7.5	215	131	346	13.7	4.7	8.0	-63	-15.4%	-1.4	-14.9%
Bronchitis, Emphysema	55	50	105	3.3	1.9	2.5	49	68	117	2.8	2.6	2.7	67	68	135	3.9	2.6	3.1	71	59	130	4.0	2.2	3.0	64	56	120	3.9	2.2	2.8	15	14.3%	0.3	12.0%
Chronic Airway Obstruction	402	436	838	25.5	16.2	19.7	409	444	853	25.0	16.3	19.6	433	543	976	25.9	19.3	21.9	422	488	910	26.4	17.9	21.0	495	538	1,033	31.5	20.3	24.6	195	23.3%	4.9	24.9%
Subtotal	682	670	1,352	43.1	24.6	31.6	662	638	1,300	40.3	23.3	29.7	694	766	1,460	41.3	27.1	32.6	695	675	1,370	43.1	24.6	31.5	774	725	1,499	49.1	27.2	35.4	147	10.9%	3.8	12.0%

Notes:

Smoking prevalence rates are from the New York City Community Health Survey and calculated by the Bureau of Epidemiology Services, New York City Department of Health and Mental Hygiene. Number does not include deaths due to burns or secondhand smoke exposure.

See Technical Notes: Deaths, Smoking- and Alcohol-attributable Mortality for methodology.

* See Technical Notes: Population, Citywide.

Figure M10. Deaths Due to HIV Disease by Sex and Selected Racial/Ethnic Group, New York City, 2001-2010

- Although non-Hispanic black males account for more than half of all male HIV disease deaths in 2010, HIV disease deaths among this group decreased 46.2% in the last decade.
- The greatest decrease in the number of HIV disease deaths among males occurred in non-Hispanic whites (65.3%); the smallest decrease occurred in Hispanics (43.6%).
- Among females of all ethnic groups, the number of HIV disease deaths also steadily declined. The greatest decrease occurred among non-Hispanic whites (69.6%), followed by non-Hispanic blacks (57.7%), and Hispanics (49.0%).

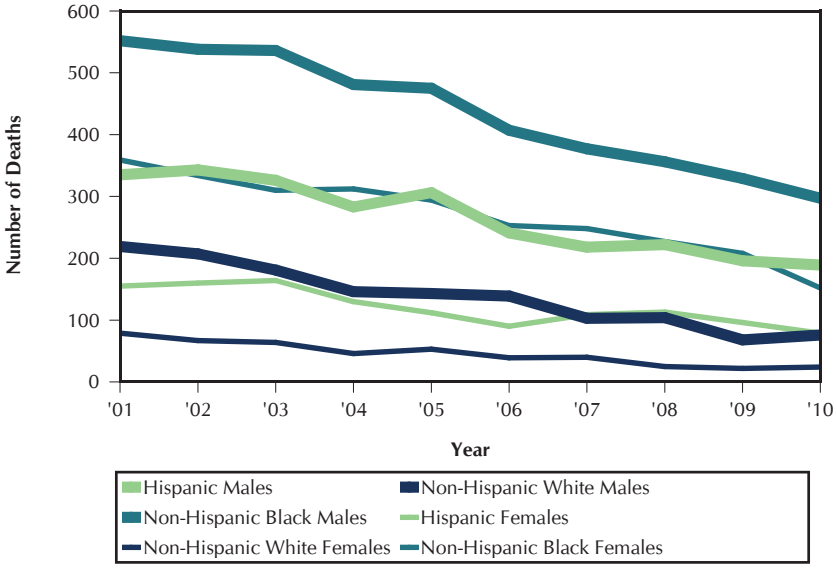
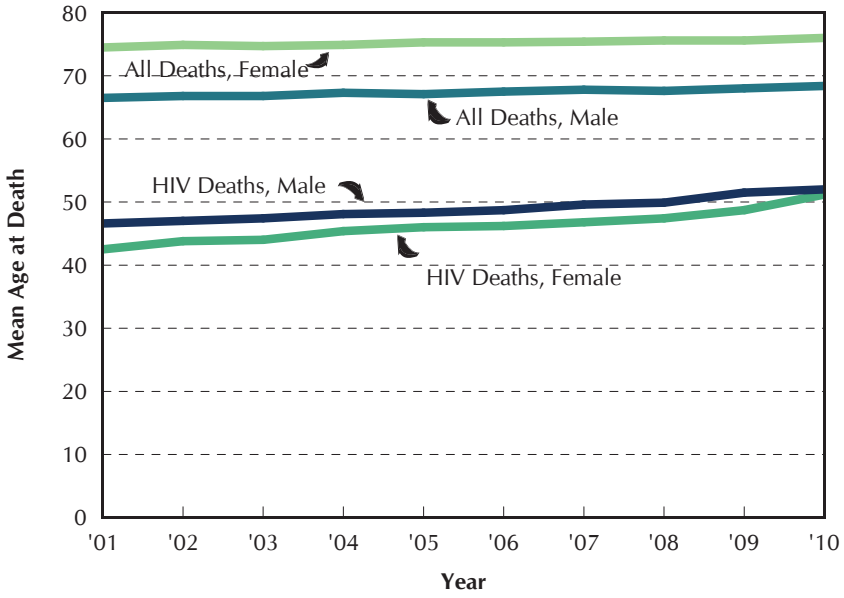


Figure M11. Mean Age at Death, All Deaths, and HIV Disease Deaths by Sex, New York City, 2001-2010



- The mean age at death for males with HIV disease in 2010 was 52 years, 16.4 years less than the mean age at death for all males.
- The mean age at death for females with HIV disease in 2010 was 51.2 years, 24.8 years less than the mean age at death for all females.
- The mean age at death for females with HIV disease increased 8.7 years from 2001 (42.5 years) to 2010 (51.2 years).
- The mean age at death for males with HIV disease increased 5.4 years from 2001 to 2010.

Table M16. Deaths From HIV Disease, Overall and by Sex, Age, and Ethnic Group*,

AGE GROUP/ETHNIC GROUP		ALL													
		1983-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	1983-2000	2001	2002
ALL AGES	Total	66,420	1,774	1,713	1,656	1,451	1,419	1,209	1,115	1,073	933	832	51,592	1,166	1,138
	Puerto Rican	12,278	369	359	323	300	289	220	224	217	187	196	9,118	240	239
	Other Hispanic	5,950	121	144	167	113	129	111	103	118	105	72	4,918	95	104
	Asian & Pacific Islander	434	8	14	8	6	7	10	5	10	3	6	386	7	11
	Non-Hispanic White	17,477	298	274	245	192	196	178	143	129	90	100	15,366	219	207
	Non-Hispanic Black	26,742	911	872	846	793	769	660	625	583	537	449	18,951	552	538
	Other or Unknown	3,539	67	50	67	47	29	30	15	16	11	9	2,853	53	39
UNDER 1	Total	311	1	1	1	–	–	–	–	–	–	–	157	1	–
	Puerto Rican	42	–	–	–	–	–	–	–	–	–	–	24	–	–
	Other Hispanic	28	1	1	–	–	–	–	–	–	–	–	15	1	–
	Asian & Pacific Islander	1	–	–	–	–	–	–	–	–	–	–	1	–	–
	Non-Hispanic White	48	–	–	–	–	–	–	–	–	–	–	31	–	–
`	Non-Hispanic Black	173	–	–	1	–	–	–	–	–	–	–	78	–	–
	Other or Unknown	19	–	–	–	–	–	–	–	–	–	–	8	–	–
1-14	Total	931	6	5	9	6	4	1	2	–	1	–	476	2	3
	Puerto Rican	167	–	–	–	1	2	–	–	–	–	–	88	–	–
	Other Hispanic	97	–	2	1	1	1	1	1	–	–	–	52	–	2
	Asian & Pacific Islander	6	–	–	–	–	–	–	–	–	–	–	3	–	–
	Non-Hispanic White	152	1	–	1	–	–	–	1	–	–	–	81	1	–
	Non-Hispanic Black	463	5	3	7	4	1	–	–	–	1	–	233	1	1
	Other or Unknown	46	0	–	–	–	–	–	–	–	–	–	19	–	–
15-24	Total	999	24	20	18	15	22	22	19	17	14	8	606	9	11
	Puerto Rican	223	3	6	1	2	4	1	7	3	2	1	130	–	3
	Other Hispanic	115	2	3	4	–	2	5	4	–	3	–	82	1	2
	Asian & Pacific Islander	6	–	–	1	–	–	–	–	–	–	1	4	–	–
	Non-Hispanic White	152	1	2	–	1	1	1	–	1	3	–	102	–	2
	Non-Hispanic Black	439	18	9	12	11	15	13	8	13	6	6	251	8	4
	Other or Unknown	64	–	–	–	1	–	2	–	–	–	–	37	–	–
25-34	Total	16,407	194	140	123	90	92	63	52	77	49	37	11,931	102	72
	Puerto Rican	3,432	31	24	20	12	12	4	8	8	7	11	2,416	15	10
	Other Hispanic	1,732	20	15	15	8	12	6	4	11	3	8	1,381	17	10
	Asian & Pacific Islander	89	1	1	–	1	–	–	1	–	1	–	75	1	1
	Non-Hispanic White	3,995	17	13	10	12	7	9	3	6	5	1	3,339	8	8
	Non-Hispanic Black	6,281	117	83	75	56	59	44	35	52	33	17	4,055	58	41
	Other or Unknown	878	8	4	3	1	2	–	1	–	–	–	665	3	2
35-44	Total	28,584	638	624	568	467	407	343	311	246	190	142	22,410	387	383
	Puerto Rican	5,145	142	131	114	101	71	65	64	57	45	34	3,903	84	83
	Other Hispanic	2,380	40	62	60	33	48	41	27	37	28	19	1,996	27	41
	Asian & Pacific Islander	175	4	4	3	2	3	4	2	3	1	–	164	4	3
	Non-Hispanic White	7,842	118	101	85	71	45	45	46	34	18	16	6,923	80	67
	Non-Hispanic Black	11,545	309	312	281	250	224	182	168	113	98	71	8,216	171	179
	Other or Unknown	1,497	25	14	25	10	16	6	4	2	–	2	1,208	21	10
45-54	Total	13,772	629	641	640	594	586	502	448	425	352	330	11,435	443	455
	Puerto Rican	2,459	133	125	127	127	140	99	84	89	65	85	1,922	98	86
	Other Hispanic	1,096	32	41	58	45	49	40	43	46	46	29	958	27	32
	Asian & Pacific Islander	103	1	6	4	2	3	3	–	5	–	3	96	–	6
	Non-Hispanic White	3,770	109	116	103	73	93	76	61	45	35	37	3,488	86	93
	Non-Hispanic Black	5,593	329	327	322	322	294	272	256	231	200	173	4,307	211	215
	Other or Unknown	751	25	26	26	25	7	12	4	9	6	3	664	21	23
≥55	Total	5,416	282	282	296	279	308	278	283	308	327	315	4,577	222	214
	Puerto Rican	810	60	73	61	57	60	51	61	60	68	65	635	43	57
	Other Hispanic	502	26	20	29	26	17	18	24	24	25	16	434	22	17
	Asian & Pacific Islander	54	2	3	–	1	1	3	2	2	1	2	43	2	1
	Non-Hispanic White	1,518	52	42	46	35	50	47	32	43	29	46	1,402	44	37
	Non-Hispanic Black	2,248	133	138	148	150	176	149	158	174	199	182	1,811	103	98
	Other or Unknown	284	9	6	12	10	4	10	6	5	5	4	252	8	4

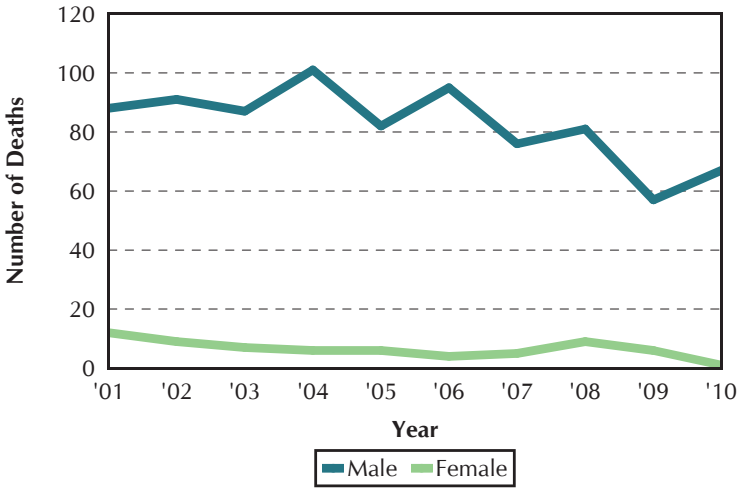
Note: See Technical Notes: Deaths, HIV and AIDS Mortality.

* Beginning in 2003, multiple races are included in the "Other or Unknown" category in this table. See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.

New York City, 1983-2010

MALE								FEMALE										
2003	2004	2005	2006	2007	2008	2009	2010	1983-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1,100	943	949	818	711	702	603	574	14,828	608	575	556	508	470	391	404	371	330	258
213	204	206	163	142	138	125	135	3,160	129	120	110	96	83	57	82	79	62	61
113	79	100	78	76	84	71	54	1,032	26	40	54	34	29	33	27	34	34	18
8	5	6	8	3	7	2	3	48	1	3	–	1	1	2	2	3	1	3
181	146	143	139	103	104	68	76	2,111	79	67	64	46	53	39	40	25	22	24
536	481	475	407	377	356	329	297	7,791	359	334	310	312	294	253	248	227	208	152
49	28	19	23	10	13	8	9	686	14	11	18	19	10	7	5	3	3	–
–	–	–	–	–	–	–	–	154	–	1	1	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	18	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	13	–	1	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	17	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	95	–	–	1	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	–	–	–
3	4	2	–	1	–	1	–	455	4	2	6	2	2	1	1	–	–	–
–	–	1	–	–	–	–	–	79	–	–	–	1	1	–	–	–	–	–
–	–	–	–	–	–	–	–	45	–	–	1	1	1	1	1	–	–	–
–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	–	–
1	–	–	–	1	–	–	–	71	–	–	–	–	–	–	–	–	–	–
2	4	1	–	–	–	1	–	230	4	2	5	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	27	–	–	–	–	–	–	–	–	–	–
7	8	14	12	9	7	5	4	393	15	9	11	7	8	10	10	10	9	4
1	1	4	1	3	–	–	–	93	3	3	–	1	–	–	4	3	2	1
2	–	2	3	4	–	–	–	33	1	1	2	–	–	2	–	–	3	–
1	–	–	–	–	–	–	1	2	–	–	–	–	–	–	–	–	–	–
–	1	1	–	–	1	2	–	50	1	–	–	–	–	1	–	–	1	–
3	5	7	7	2	6	3	3	188	10	5	9	6	8	6	6	7	3	3
–	1	–	1	–	–	–	–	27	–	–	–	–	–	1	–	–	–	–
76	45	59	41	32	48	32	27	4,476	92	68	47	45	33	22	20	29	17	10
12	5	6	2	3	5	6	7	1,016	16	14	8	7	6	2	5	3	1	4
12	6	9	4	4	10	2	6	351	3	5	3	2	3	2	–	1	1	2
–	1	–	–	–	–	–	–	14	–	–	–	–	–	–	1	–	1	–
8	9	5	6	2	4	5	1	656	9	5	2	3	2	3	1	2	–	–
43	23	38	29	22	29	19	13	2,226	59	42	32	33	21	15	13	23	14	4
1	1	1	–	1	–	–	–	213	5	2	2	–	1	–	–	–	–	–
330	280	241	211	177	144	111	94	6,174	251	241	238	187	166	132	134	102	79	48
65	65	46	47	41	30	26	20	1,242	58	48	49	36	25	18	23	27	19	14
32	23	32	28	17	23	16	14	384	13	21	28	10	16	13	10	14	12	5
3	1	3	3	1	3	1	–	11	–	1	–	1	–	1	1	–	–	–
55	53	31	28	32	22	12	11	919	38	34	30	18	14	17	14	12	6	5
156	134	120	100	83	65	56	47	3,329	138	133	125	116	104	82	85	48	42	24
19	4	9	5	3	1	–	2	289	4	4	6	6	7	1	1	1	–	–
451	395	400	342	289	275	225	219	2,337	186	186	189	199	186	160	159	150	127	111
91	91	101	74	58	56	51	62	537	35	39	36	36	39	25	26	33	14	23
45	31	43	29	32	33	35	20	138	5	9	13	14	6	11	11	13	11	9
4	2	2	2	–	3	–	1	7	1	–	–	–	1	1	–	2	–	2
77	53	69	65	40	37	25	28	282	23	23	26	20	24	11	21	8	10	9
216	203	180	164	156	139	111	105	1,286	118	112	106	119	114	108	100	92	89	68
18	15	5	8	3	7	3	3	87	4	3	8	10	2	4	1	2	3	–
232	211	233	212	203	228	229	230	839	60	68	64	68	75	66	80	80	98	85
44	42	48	39	37	47	42	46	175	17	16	17	15	12	12	24	13	26	19
22	19	14	14	19	18	18	14	68	4	3	7	7	3	4	5	6	7	2
–	1	1	3	2	1	1	1	11	–	2	–	–	–	–	–	1	–	1
40	30	37	40	28	40	24	36	116	8	5	6	5	13	7	4	3	5	10
116	112	129	107	114	117	139	129	437	30	40	32	38	47	42	44	57	60	53
10	7	4	9	3	5	5	4	32	1	2	2	3	–	1	3	–	–	–

Figure M12. Fatal Occupational Injuries by Sex, New York City, 2001-2010



- From 2001 to 2010, fatal occupational injuries continued a general downward trend with some fluctuation. There were 68 fatal occupational injuries in 2010, a 32.0% decrease from 100 deaths in 2001.
- Males account for the vast majority of fatal occupational injuries. In 2010, 98.5% of all fatal occupational injuries occurred among males; there was one female death.

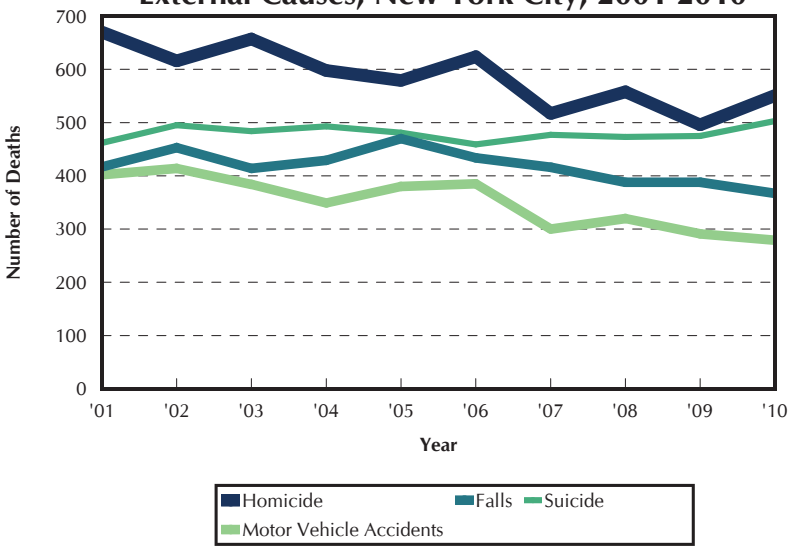
Table M17. Selected Characteristics of Deaths Due to Fatal Occupational Injuries, New York City, 2010

Characteristic	All Deaths	Sex		Age Group (Years)				
		Male	Female	<25	25-34	35-44	45-54	≥55
Total	68	67	1	2	12	15	19	20
Selected Events								
Transportation incident	7	7	–	–	2	1	2	2
Contact with objects and equipment	5	5	–	1	1	1	1	1
Assaults and violent acts	29	29	–	–	5	7	11	6
Homicide	15	15	–	–	2	5	6	2
Shooting	13	13	–	–	2	4	5	2
Falls	16	16	–	1	1	3	2	9
Selected Industries*								
Construction	17	17	–	1	3	2	5	6
Transportation and warehousing	9	9	–	–	1	2	3	3
Taxicabs	5	5	–	–	1	1	2	1
Retail trade	8	8	–	–	1	3	2	2
Grocery stores	1	1	–	–	–	–	1	–
Accommodation and food services	4	4	–	–	2	–	2	–
Eating and drinking places	4	4	–	–	2	–	2	–
Public administration	2	2	–	1	–	–	1	–
Police and fire protection	1	1	–	–	–	–	1	–
Financial activities	6	6	–	–	–	2	3	1
Ethnic Group								
Non-Hispanic White	27	27	–	1	3	4	7	12
Non-Hispanic Black	14	14	–	1	5	1	5	2
Hispanic	17	17	–	–	3	6	5	3
Asian and Pacific Islander	10	9	1	–	1	4	2	3

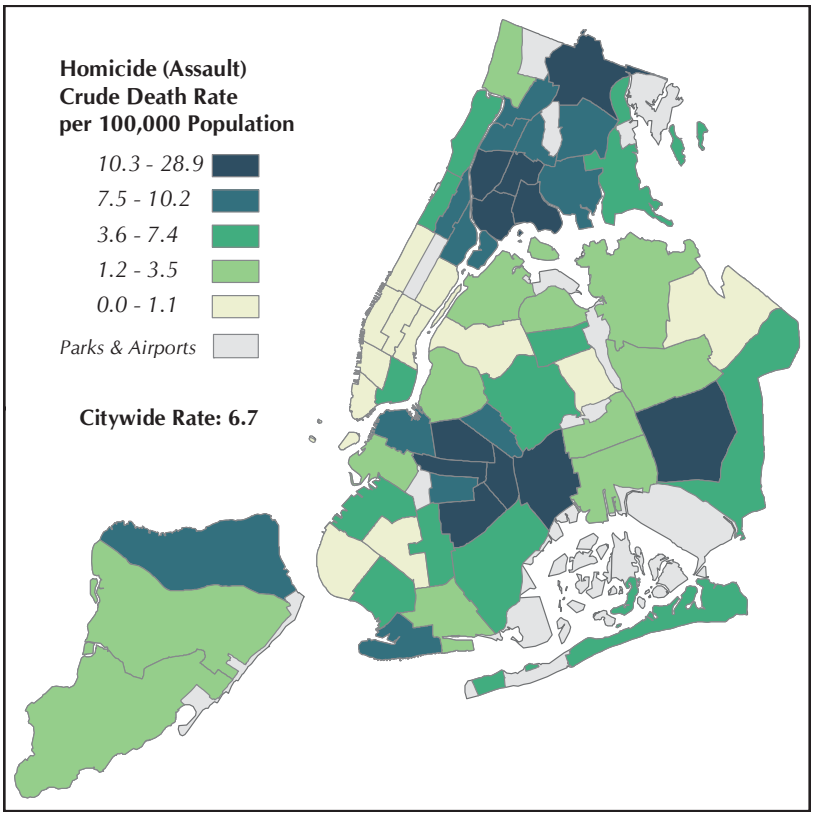
* See Technical Notes: Deaths, Fatal Occupational Injuries.

- Deaths due to motor vehicle accidents steadily declined by 32.3% from 2001 to 2010.
- During the same time period, deaths due to homicide decreased 18.1%, from 670 deaths in 2001 to 551 deaths in 2010.
- Deaths due to falls decreased 12.0% from 417 deaths in 2001 to 367 deaths in 2010.
- The number of suicides showed no discernible trend from 2001 to 2010, and ranged from a low of 462 in 2001 to a high of 503 in 2010.

Figure M13. Number of Deaths From Selected External Causes, New York City, 2001-2010



Map M4. Homicide (Assault) Crude Death Rate by Community District of Residence, New York City, 2010



Note: See Technical Notes: Deaths, Homicide.

- In 2010, the homicide death rate was 28.9 per 100,000 residents in Brownsville, the highest of any community district. Other community districts with high homicide death rates included: Bedford-Stuyvesant (22.9), Mott Haven (18.4), Morrisania (17.6), and Hunts Point (15.3).
- The lowest homicide death rate was found in Murray Hill (0.7). Four other community districts had homicide death rates below 1.2: Bay Ridge (0.8), Borough Park (1.0), Midtown Business District (1.0), and Greenwich Village/ SoHo (1.1).

Table M18. Deaths Due to Accidents, Overall and by Age and Sex, New York City, 2010

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	1,454	18	11	6	0	8	5	24	5	62	16	133	39	152	48	215	82	146	67	67	41	154	155
Motor Vehicle Except Injury to Pedestrian, Pedal Cyclist, and Motorcyclist	70	-	2	-	-	-	1	5	1	14	4	10	1	4	-	5	-	9	1	3	1	4	5
Injury to Pedestrians	172	2	2	1	-	4	2	5	-	6	3	16	5	17	6	17	6	17	13	8	10	19	13
Collision with motor vehicle	158	2	2	1	-	4	2	3	-	4	2	14	5	13	6	15	6	16	13	8	10	19	13
Collision with railway transportation	14	-	-	-	-	-	-	2	-	2	1	2	-	4	-	2	-	1	-	-	-	-	-
Other collision	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Injury to Pedal Cyclist	18	-	-	-	-	-	-	2	-	2	1	3	-	-	-	2	-	3	1	2	-	1	1
Collision with motor vehicle	11	-	-	-	-	-	-	1	-	2	-	1	-	-	-	2	-	1	1	1	-	1	1
Other collision	7	-	-	-	-	-	-	1	-	-	1	2	-	-	-	-	-	2	-	1	-	-	-
Injury to Motorcyclist	37	-	-	-	-	-	-	2	-	6	1	15	-	7	2	3	-	1	-	-	-	-	-
Water Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Transport Accidents	4	-	-	-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-
Sequelae (Late Effects) of Transport Accidents	19	-	-	-	-	-	1	-	-	-	-	3	-	4	2	3	1	1	-	-	2	1	1
Fall	367	1	-	-	-	-	-	2	1	5	1	8	2	7	1	25	5	37	12	29	15	102	114
Firearm Discharge	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	21	2	1	-	-	1	1	1	-	2	1	4	2	1	1	1	-	1	-	-	1	-	1
Smoke, Fire, and Flames	44	1	1	3	-	-	-	-	-	-	-	1	-	2	1	2	3	5	6	2	2	7	8
Poisoning by Noxious Substances	580	1	-	1	-	3	-	5	2	21	5	67	27	99	32	138	64	56	28	13	6	8	4
Poisoning by psychoactive substances*	521	-	-	1	-	2	-	4	2	21	5	60	26	89	31	122	60	48	24	11	5	6	4
Poisoning by other noxious substances	59	1	-	-	-	1	-	1	-	-	-	7	1	10	1	16	4	8	4	2	1	2	-
Exposure to Excessive Natural Heat	9	-	-	-	-	-	-	-	-	1	-	-	-	-	1	2	-	3	-	1	1	-	-
Exposure to Excessive Natural Cold	9	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	1	1	-	1	-
Suffocation	45	11	4	1	-	-	-	-	-	1	-	3	-	3	1	4	1	2	4	2	-	5	3
Contact with Machinery	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-	-
Other Nontransport Accidents	43	-	1	-	-	-	-	2	-	2	-	1	2	6	1	5	1	4	1	4	3	5	5
Sequelae (Late Effects) of Nontransport Accidents	13	-	-	-	-	-	-	-	-	1	-	1	-	-	-	5	1	3	-	1	-	1	-

*See Technical Notes: Deaths, Drug-Related Deaths.

Table M19. Deaths Due to Intentional Self-harm (Suicide), Overall and by Age and Sex, New York City, 2010

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	503	-	-	-	-	3	1	11	5	33	9	53	27	75	21	91	27	68	20	21	14	19	5
Poisoning by Drug and Medicinal Substances	75	-	-	-	-	-	-	1	2	1	1	7	4	11	8	12	5	6	7	3	4	1	2
Poisoning by Other Substances	16	-	-	-	-	-	-	-	-	3	-	2	1	2	-	3	1	3	-	1	-	-	-
Hanging, Strangulation, and Suffocation	178	-	-	-	-	3	1	3	2	12	4	19	11	29	8	32	9	23	3	7	6	6	-
Drowning and Submersion	24	-	-	-	-	-	-	2	1	-	1	4	1	4	1	3	2	2	2	1	-	-	-
Firearm Discharge	61	-	-	-	-	-	-	2	-	4	-	5	1	7	1	16	-	13	-	6	-	6	-
Sharp Object	18	-	-	-	-	-	-	-	-	-	-	2	-	2	-	4	1	5	-	1	-	3	-
Jumping From High Place	89	-	-	-	-	-	-	1	-	10	3	9	7	17	3	11	6	7	4	2	4	2	3
Jumping or Lying Before Moving Object	37	-	-	-	-	-	-	2	-	3	-	5	1	3	-	8	2	8	4	-	-	1	-
Other and Unspecified Means	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	-	-	-	-	-
Sequelae (Late Effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-

Table M20. Deaths Due to Assault (Homicide) and Legal Intervention, Overall and by Age and Sex, New York City, 2010

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	557	9	11	2	3	2	2	79	10	82	9	160	19	68	10	42	13	13	8	10	2	1	2
Poisoning by Noxious Substances	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hanging, Strangulation, and Suffocation	20	-	-	-	-	-	-	-	-	-	-	4	6	2	2	2	-	1	-	1	1	-	1
Drowning and Submersion	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
Firearm Discharge	324	-	-	-	-	1	-	61	7	59	4	124	4	40	2	14	1	3	1	2	1	-	-
Smoke, Fire, and Flames	8	1	-	-	-	-	-	-	-	1	-	2	1	2	-	1	-	-	-	-	-	-	-
Sharp Object	109	-	1	1	2	1	2	12	3	18	1	23	3	14	6	10	6	2	2	1	-	1	-
Blunt Object	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Pushing From High Place	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bodily Force	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neglect, Abandonment, and Other Maltreatment	10	4	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and Unspecified Means	60	2	5	-	1	-	-	4	-	3	4	5	4	6	-	10	4	3	5	3	-	-	1
Sequelae (Late Effects)	14	-	-	-	-	-	-	1	-	-	-	-	-	4	-	3	1	2	-	3	-	-	-
Legal Intervention, All*	6	-	-	-	-	-	-	-	-	1	-	2	-	-	-	1	-	2	-	-	-	-	-

* All legal intervention deaths are from firearm discharge. See Technical Notes: Deaths, Homicide.

Table M21. Deaths Due to Events of Undetermined Intent, Overall and by Age and Sex, New York City, 2010

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	217	26	12	-	-	-	-	2	-	11	5	11	4	17	8	35	15	27	11	8	4	8	13
Poisoning by Noxious Substances	27	-	1	-	-	-	-	-	-	-	-	2	-	3	3	5	5	4	1	-	1	1	1
Hanging, Strangulation, and Suffocation	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	7	-	-	-	-	-	-	-	-	-	-	2	-	3	-	2	-	-	-	-	-	-	-
Firearm Discharge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Smoke, Fire, and Flames	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Falling From High Place	4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	1	-	-	-	-	-
Other and Unspecified Means	171	26	11	-	-	-	-	2	-	9	5	7	4	11	3	25	10	20	10	6	3	7	12
Sequelae (Late Effects)	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	2	-	-	-

Table M22. Deaths Due to Complications of Medical and Surgical Care, Overall and by Age and Sex, New York City, 2010

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	33	1	-	-	-	-	-	-	-	1	-	2	2	1	1	-	2	1	1	2	7	5	7
Adverse Effects From Drugs, Medicaments, and Biological Substances for Therapeutic Use	6	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	1	-	-	-	1	1
Medical Misadventures to Patients During Surgical and Medical Care	19	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1	2	6	3	5
Other and Unspecified Means	8	1	-	-	-	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-	1	1	1

Table M23. Deaths Due to Firearms (All Causes), Overall and by Age and Sex, New York City, 2010

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)	391	-	-	-	-	1	-	63	7	64	4	131	5	47	3	32	1	17	1	8	1	6	-

Table M24. Life Expectancy at Specified Ages, Overall and by Sex and Racial/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 average death data are used to estimate above decennial life expectancy to smooth the outcome. See Technical Notes: Life Expectancy.

* US Census population data for 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 excluded. 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 M25. Life Expectancy at Specified Ages, Overall and by Sex, New York City, 2000-2009*

Exact age	Total									
in years	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0	77.7	77.9	78.2	78.5	79.0	79.2	79.7	80.1	80.2	80.6
1	77.2	77.3	77.7	77.9	78.5	78.7	79.1	79.6	79.6	80.0
5	73.2	73.4	73.7	74.0	74.5	74.7	75.2	75.6	75.7	76.1
10	68.3	68.5	68.8	69.1	69.6	69.8	70.3	70.7	70.7	71.1
15	63.3	63.5	63.8	64.1	64.7	64.8	65.3	65.7	65.8	66.2
20	58.5	58.7	59.0	59.3	59.8	60.0	60.4	60.8	60.9	61.3
25	53.7	53.9	54.1	54.4	55.0	55.2	55.6	56.0	56.1	56.4
30	48.9	49.1	49.3	49.6	50.1	50.3	50.8	51.2	51.3	51.6
35	44.2	44.4	44.6	44.9	45.3	45.5	46.0	46.3	46.5	46.8
40	39.5	39.8	40.0	40.2	40.6	40.8	41.3	41.6	41.7	42.0
45	35.1	35.3	35.5	35.7	36.1	36.3	36.7	37.0	37.1	37.4
50	30.8	31.0	31.2	31.4	31.8	31.9	32.3	32.6	32.7	33.0
55	26.6	26.9	27.0	27.2	27.6	27.7	28.1	28.4	28.4	28.7
60	22.6	22.9	23.0	23.2	23.6	23.7	24.1	24.3	24.3	24.6
65	18.8	19.1	19.2	19.3	19.6	19.8	20.1	20.4	20.4	20.6
70	15.4	15.5	15.6	15.7	16.0	16.1	16.4	16.6	16.7	16.9
75	12.1	12.2	12.3	12.4	12.5	12.6	12.9	13.1	13.2	13.4
80	9.3	9.3	9.4	9.5	9.6	9.6	9.8	10.0	10.0	10.2
85	6.8	6.8	6.9	7.0	7.1	7.1	7.2	7.4	7.3	7.5

Exact age	Male									
in years	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0	74.5	74.9	75.2	75.5	76.3	76.4	76.8	77.3	77.5	77.8
1	74.0	74.4	74.7	75.1	75.8	75.9	76.3	76.8	76.9	77.3
5	70.1	70.5	70.8	71.1	71.8	72.0	72.4	72.9	73.0	73.3
10	65.1	65.5	65.8	66.2	66.9	67.0	67.5	67.9	68.0	68.4
15	60.2	60.6	60.9	61.2	62.0	62.1	62.5	62.9	63.1	63.4
20	55.4	55.8	56.1	56.4	57.1	57.3	57.7	58.1	58.2	58.6
25	50.7	51.1	51.3	51.7	52.4	52.6	52.9	53.4	53.5	53.8
30	46.0	46.4	46.6	47.0	47.6	47.8	48.2	48.6	48.7	49.1
35	41.3	41.7	41.9	42.3	42.9	43.0	43.4	43.8	44.0	44.3
40	36.8	37.1	37.4	37.7	38.2	38.4	38.8	39.1	39.3	39.6
45	32.4	32.8	33.0	33.3	33.8	33.9	34.3	34.7	34.8	35.0
50	28.3	28.7	28.8	29.1	29.6	29.7	30.0	30.4	30.5	30.7
55	24.4	24.7	24.8	25.1	25.6	25.7	26.0	26.3	26.4	26.6
60	20.6	21.0	21.0	21.3	21.8	21.9	22.2	22.4	22.5	22.6
65	17.0	17.3	17.4	17.7	18.0	18.1	18.4	18.7	18.7	18.9
70	13.8	14.0	14.1	14.2	14.6	14.7	14.9	15.1	15.3	15.4
75	10.8	11.0	11.1	11.2	11.3	11.5	11.6	11.8	12.1	12.2
80	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3
85	6.1	6.2	6.3	6.5	6.6	6.5	6.5	6.7	6.7	6.8

Exact age	Female									
in years	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0	80.4	80.5	80.8	81.0	81.3	81.6	82.1	82.5	82.6	83.0
1	79.9	79.9	80.2	80.4	80.8	81.0	81.5	81.9	82.0	82.3
5	76.0	76.0	76.3	76.5	76.8	77.1	77.6	78.0	78.0	78.4
10	71.0	71.0	71.3	71.6	71.9	72.1	72.6	73.0	73.1	73.4
15	66.0	66.1	66.4	66.6	67.0	67.2	67.7	68.1	68.1	68.5
20	61.1	61.2	61.5	61.7	62.0	62.3	62.8	63.1	63.2	63.5
25	56.2	56.3	56.6	56.8	57.1	57.4	57.8	58.2	58.3	58.6
30	51.4	51.4	51.7	51.9	52.2	52.5	52.9	53.3	53.4	53.7
35	46.6	46.6	46.8	47.0	47.4	47.6	48.1	48.4	48.5	48.8
40	41.9	41.9	42.1	42.3	42.6	42.8	43.3	43.6	43.7	44.0
45	37.3	37.3	37.6	37.7	38.0	38.2	38.7	38.9	39.0	39.3
50	32.8	32.9	33.1	33.3	33.5	33.7	34.2	34.4	34.5	34.8
55	28.4	28.5	28.7	28.9	29.1	29.3	29.7	30.0	30.0	30.4
60	24.1	24.3	24.5	24.6	24.9	25.1	25.5	25.7	25.7	26.0
65	20.1	20.3	20.4	20.6	20.8	20.9	21.3	21.6	21.6	21.9
70	16.4	16.5	16.6	16.7	16.9	17.0	17.4	17.6	17.6	17.9
75	12.9	13.0	13.0	13.2	13.3	13.3	13.7	13.9	13.9	14.2
80	9.8	9.8	9.8	10.0	10.1	10.1	10.4	10.6	10.6	10.8
85	7.1	7.1	7.1	7.3	7.4	7.4	7.6	7.7	7.6	7.8

Note: Life expectancy for year 2010 is not presented since national data are required and are not yet available. Life expectancy for year 2009 is preliminary.
* Population data are interpolated based on 2000 and 2010 Census counts, while in the previous Summary, the population was from the 2000 US Census. Life expectancy are updated for 2000-2008 and therefore different from that of previous publication. See Technical Notes: Population.

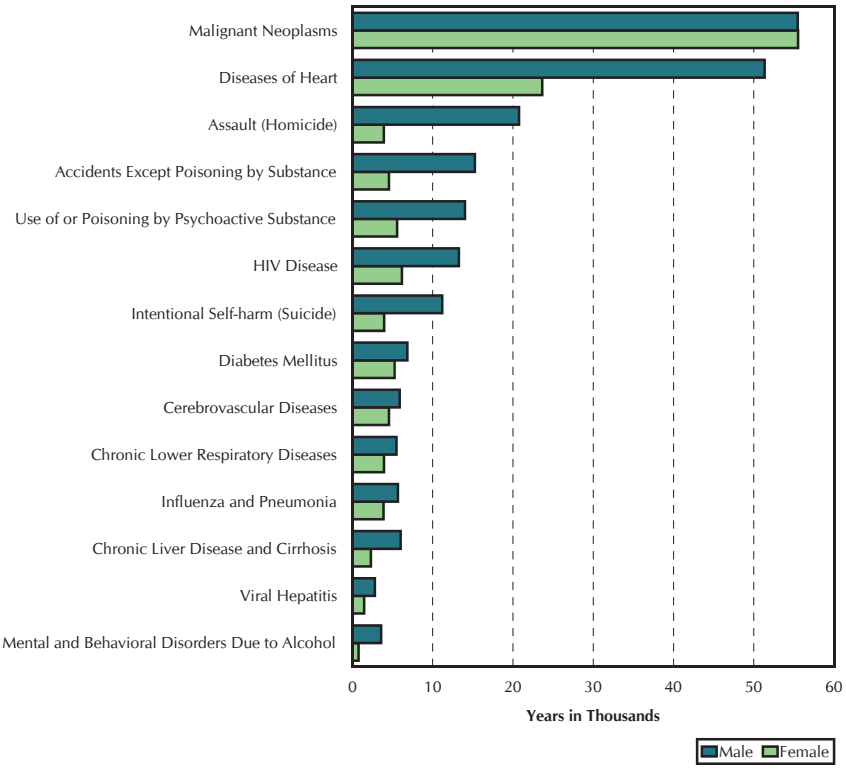
Table M26. Years of Potential Life Lost (YPLL) Before Age 75, Overall and by Sex and Selected Causes of Death, New York City, 2010

Cause of Death	All		Male		Female	
	YPLL	%	YPLL	%	YPLL	%
Total	453,988	100.0	279,289	100.0	174,699	100.0
Malignant Neoplasms	110,988	24.4	55,481	19.9	55,507	31.8
Trachea, bronchus, and lung	21,438	4.7	11,617	4.2	9,821	5.6
Colon, rectum, and anus	10,562	2.3	5,995	2.1	4,567	2.6
Breast	11,277	2.5	130	0.0	11,147	6.4
Liver and intrahepatic bile ducts	6,674	1.5	5,172	1.9	1,502	0.9
Leukemia	6,659	1.5	3,588	1.3	3,071	1.8
Diseases of Heart	74,981	16.5	51,349	18.4	23,632	13.5
Assault (Homicide)	24,682	5.4	20,758	7.4	3,924	2.2
Accidents Except Poisoning by Psychoactive Substance	19,812	4.4	15,250	5.5	4,562	2.6
Motor vehicle	8,423	1.9	6,415	2.3	2,008	1.1
Use of or Poisoning by Psychoactive Substance	19,580	4.3	14,020	5.0	5,560	3.2
HIV Disease	19,435	4.3	13,266	4.7	6,169	3.5
Intentional Self-harm (Suicide)	15,156	3.3	11,196	4.0	3,960	2.3
Diabetes Mellitus	12,114	2.7	6,854	2.5	5,260	3.0
Cerebrovascular Diseases	10,429	2.3	5,888	2.1	4,541	2.6
Chronic Lower Respiratory Diseases	9,433	2.1	5,487	2.0	3,946	2.3
Influenza and Pneumonia	9,555	2.1	5,674	2.0	3,881	2.2
Chronic Liver Disease and Cirrhosis	8,313	1.8	6,012	2.2	2,301	1.3
Viral Hepatitis	5,249	1.2	3,795	1.4	1,454	0.8
Mental and Behavioral Disorders Due to Use of Alcohol	4,333	1.0	3,573	1.3	760	0.4
All Other Causes	109,928	24.2	60,686	21.7	49,242	28.2

See Technical Notes: Deaths, Years of Potential Life Lost for detailed calculation.

- Years of Potential Life Lost (YPLL) estimates the numbers of years of life lost due to a person dying before their expected life expectancy (age 75), i.e., a person dying at 65 years would have lost 10 years. The estimates for each premature death are added together to get the total YPLL for the population.
- This figure features YPLL by cause of death. Malignant neoplasms (cancers) and diseases of the heart, the two leading causes of death, were responsible for more than 40.9% of YPLL in 2010.
- Cancer, the most frequent cause of premature death, results in the most years of potential life lost (110,988 years) among all causes of death.
- For many of these leading causes of death, males have twice the number of YPLL than women.

Figure M14. Years of Potential Life Lost (YPLL) Before Age 75 by Sex and Selected Causes of Death, New York City, 2010



SPECIAL SECTION
CAUSE OF DEATH
QUALITY IMPROVEMENT INTERVENTION

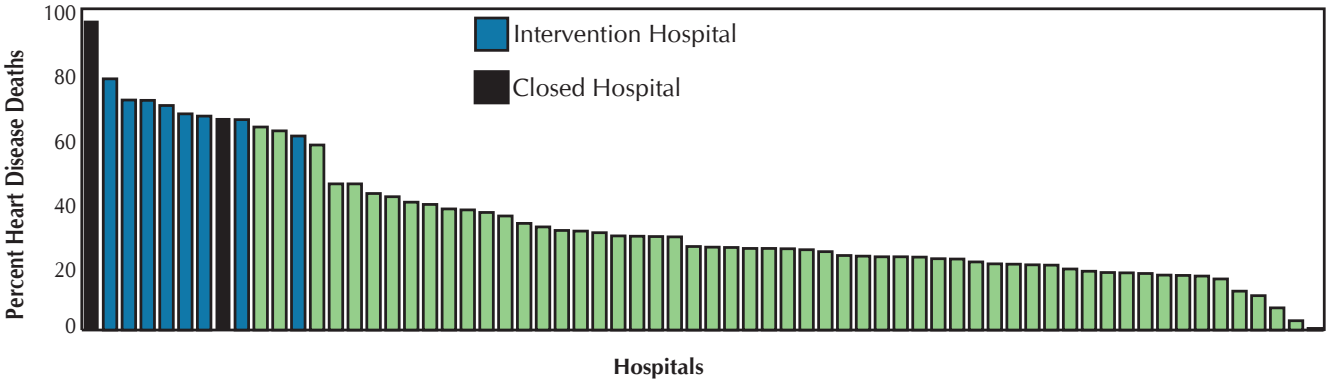
The purpose of this special section is to highlight the effects of a recent data quality improvement initiative on the 2010 mortality data presented in this summary. Future publications will describe the impact of this initiative in more detail.

The Data Quality Issue

- A blinded review of NYC death certificates and medical records revealed overreporting of heart disease as the cause of death (Agarwal R, Norton JM, et al. Over-reporting of deaths from coronary heart disease in New York City hospitals, 2003. Prev Chronic Dis 2010; 7(3)).
    - Heart disease was overreported as a cause of death by 91% overall and increased with decedent age: 51% among those 35–74 years, 94% for 75–84 years, and 137% for ≥85 years.
- In 2008, the New York City (NYC) Bureau of Vital Statistics examined overreporting in NYC hospitals and found tremendous variability in the proportions of deaths reported from coronary heart disease (Figure SS1).

The 2009 Intervention

Figure SS1. Percent of Death Certificates Reporting Heart Disease as Cause of Death, New York City, 2008



- Between June 2009 and January 2010, the Bureau of Vital Statistics initiated a hospital-level intervention to improve the accuracy of cause of death reporting on the death certificate at 8 NYC hospitals with a high percentage of deaths reported as due to heart disease. These 8 hospitals reported 13% of NYC hospital deaths, but 20% of NYC hospital deaths due to heart disease. The very high proportions of heart disease deaths in the targeted hospitals served as justification for the intervention.
- The intervention had the following components:
    - A conference call initiated the intervention with senior hospital staff including Medical Directors. Hospital-specific heart disease death data were presented in the context of NYC hospital heart disease deaths (e.g. Figure SS1) and the Agarwal et. al publication.
    - Hospitals were required to supply a death certification/registration workflow and hospital clinical staff conducted an audit of a random sample of death certificates.
    - Hospitals were asked to promote the *Improving Cause of Death Reporting* E-learning (http://www.nyc.gov/html/doh/media/video/icdr/index.html) to all staff participating in the certification/registration workflow.
    - An on-site in-service concluded the intervention. It incorporated hospital-specific death certification/registration workflow and audit results, as well as an interactive discussion on proper cause of death reporting.

Citywide Results of Intervention on Leading Causes of Death

Table SS1. Counts and Proportions of 5 Leading Causes of Death and Changes from Prior Year, New York City, 2006-2010

Cause of Death	2006	2007	2008	2009	2010
Diseases of the Heart					
Annual Death Count	21,844	21,442	21,192	20,086	17,929
Proportion of All Deaths	39.4	39.7	39.1	38.0	34.1
% Change in Proportion from Prior Year	-0.5	0.6	-1.4	-2.9	-10.2
Malignant Neoplasms					
Annual Death Count	13,116	13,251	13,047	13,180	13,333
Proportion of All Deaths	23.7	24.5	24.1	24.9	25.4
% Change in Proportion from Prior Year	1.1	3.5	-1.8	3.5	1.7
Influenza and Pneumonia					
Annual Death Count	2,578	2,247	2,300	2,278	2,457
Proportion of All Deaths	4.7	4.2	4.2	4.3	4.7
% Change in Proportion from Prior Year	-9.1	-10.7	2.1	1.5	8.5
Diabetes Mellitus					
Annual Death Count	1,708	1,560	1,643	1,690	1,711
Proportion of All Deaths	3.1	2.9	3.0	3.2	3.3
% Change in Proportion from Prior Year	-2.9	-6.4	5.1	5.4	1.8
Chronic Lower Respiratory Diseases					
Annual Death Count	1,385	1,427	1,605	1,529	1,716
Proportion of All Deaths	2.5	2.6	3.0	2.9	3.3
% Change in Proportion from Prior Year	-9.7	5.5	12.2	-2.4	12.9

- Citywide, the proportion of death certificates reporting heart disease as the cause of death decreased 12.8% after the intervention began in mid-2009, from 0.391 in 2008 to 0.341 in 2010 (Table SS1).
- This decrease in heart disease death reporting between 2008 and 2010 was accompanied by a 5.3% to 10.2% increase in the proportions of death certificates reporting other leading natural causes of death (Table SS1).

- The initiation of the intervention in 2009 coincides with changes in the proportions of deaths due to the top three leading causes of death.
- The proportions of deaths due to heart disease decreased markedly after 2008 from 0.391 to 0.341 in 2010. Between 2001 and 2008, this proportion was consistently higher, between 0.391 and 0.411.
- The proportion of deaths due to a cancer reached 0.254 in 2010, higher than any other year in the past decade. The previous high was 0.245 in 2007.
- The proportion of influenza/pneumonia deaths increased to 0.047 per 100 deaths in 2010, reaching the same proportion as 2006.

Figure SS2. Proportion of Death Certificates Reporting Diseases of Heart, Malignant Neoplasms (Cancer), and Influenza/Pneumonia as Cause of Death, New York City, 2001-2010

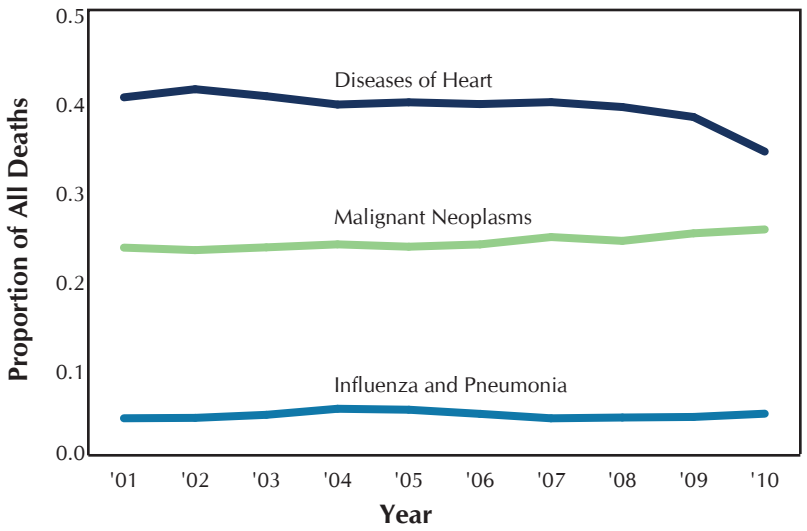
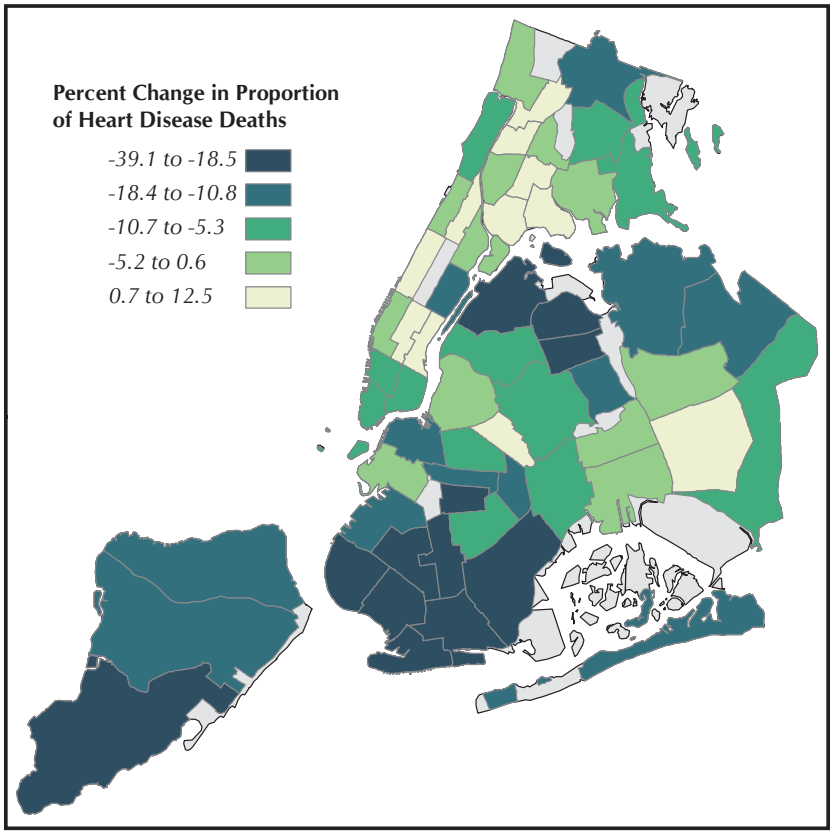
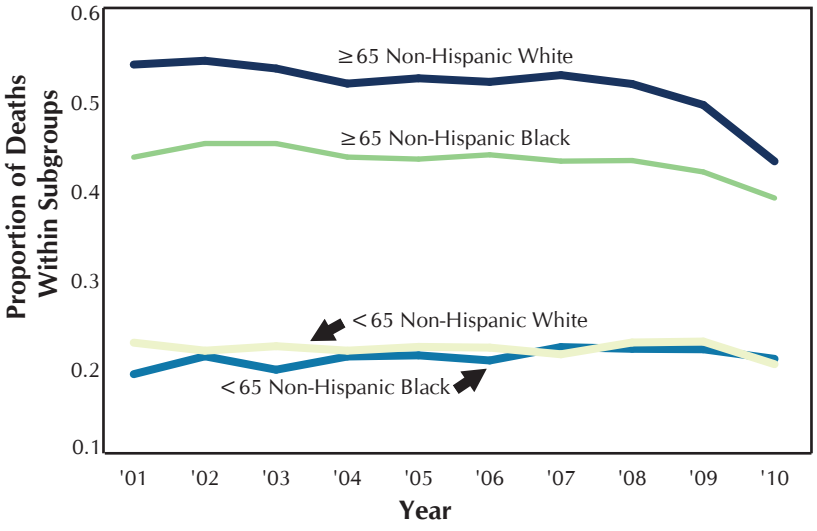


Figure SS3. Percent Change in the Proportion of Death Certificates Reporting Heart Disease as the Cause of Death by Community District of Residence, New York City, 2008-2010



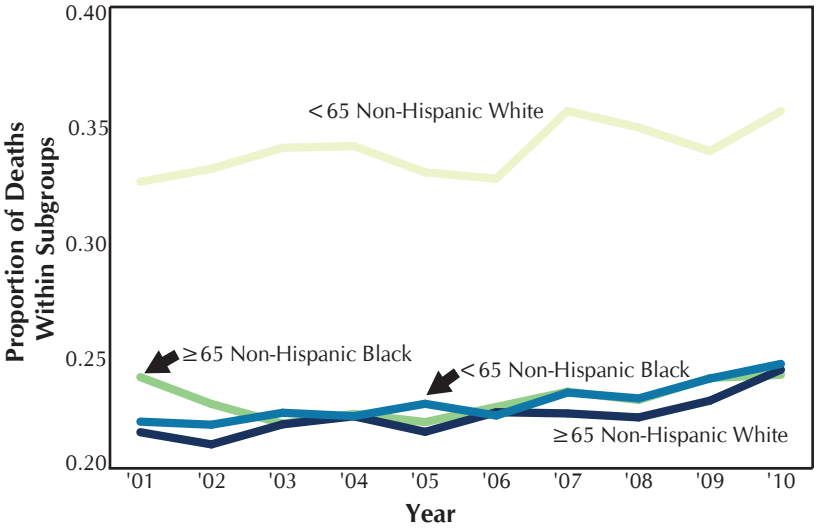
- The location of intervention hospitals led to geographic variation in changes in heart disease deaths over time, which may explain the differential impact by race/ethnicity and other variables that differ by neighborhood (SS4).
- Twelve Community Districts (CDs) were in the quintile with the greatest percent decrease in the proportion of heart disease deaths (18.5–39.1%); nearly all were located in Brooklyn or Queens.
- Brooklyn was home to 4 of the 8 intervention hospitals, and 8 of the 18 Brooklyn CDs were in the quintile with the greatest decrease.
- Queens was home to 2 of the 8 intervention hospitals, and 3 of the 14 Queens CDs were in the quintile with the greatest decrease.

Figure SS4. Proportion of Deaths Due to Diseases of the Heart by Age and Racial/Ethnic Group, New York City, 2001-2010



- The proportion of heart disease deaths decreased more among non-Hispanic whites than non-Hispanic blacks, which may impact trends in black/white health disparities measures.
  - Older (≥ 65 years) non-Hispanic white decedents demonstrated a greater decrease in the proportion of deaths attributed to heart disease between 2008 and 2010 than older non-Hispanic blacks (16.9% versus 9.8%, respectively).
  - Among younger (<65 years) decedents, the 2008–2010 decrease in the proportion of deaths was also greater among non-Hispanic whites (10.9%) than non-Hispanic blacks (5.2%).
- Demographic differences among the populations served by the intervention hospitals likely explain the variable magnitude of change by ethnicity and age. We do not report changes in other population subgroups because of small counts.

Figure SS5. Proportion of Deaths Due to Malignant Neoplasms (Cancer) by Age, Sex, and Racial/Ethnic Group, New York City, 2001-2010



- Deaths incorrectly reported as heart disease prior to the intervention were distributed among other causes of death post-intervention potentially obscuring mortality trends. In the case of cancer, the magnitude of the resulting increase varied among subgroups.
- As the proportion of heart disease deaths decreased among all age-race subgroups between 2008 and 2010, the proportion of deaths attributed to cancer increased in all subgroups.
  - The greatest percent increase in cancer (2.1%) was among older (≥ 65 years) white non-Hispanics, the subgroup with the greatest decrease in heart disease deaths.
  - Younger (<65 years) black non-Hispanics, who demonstrated the smallest decrease in heart disease deaths, demonstrated the second greatest percent increase in cancer (1.5%).

Summary and Implications of Mortality Data Trends

- As cause of death reporting improves, long-term trends in mortality data may be obscured, particularly when comparing subgroups differentially affected by the cause of death quality interventions.
- In particular, health researchers may notice an impact on race/ethnicity, hospital-level, and neighborhood mortality rate analyses.

Ongoing Efforts to Improve the Accuracy of Cause of Death Reporting

- Beginning in January 2010, the NYC health code requires all users of the electronic death registration system (EDRS) to complete an on-line course that teaches the principles of cause of death determination.
- In 2011, the Bureau of Vital Statistics completed a second phase of its hospital-level interventions to improve the accuracy of cause of death reporting, reaching 12 additional hospitals.
- Physician pocket cards and a hospital poster were developed and disseminated as a part of the second phase of the intervention.

More information on NYC's cause of death improvement efforts are available at:
http://www.nyc.gov/html/doh/html/vs/vs-cod-quality.shtml

POPULATION AND MORTALITY, TECHNICAL NOTES, 2010

VITAL EVENT REPORTING

The number of deaths is based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH). In 2010, 83% of death certificates were filed electronically through the Electronic Vital Events Registration System (EVERS). Vital event data are based on the year they occurred in New York City to both residents and nonresidents. Any events registered after file closure are excluded from this report. Such late registrations are rare.

POPULATION

Citywide

The New York City Department of City Planning (DCP) provided the Bureau of Vital Statistics with Census data based on the US Census as of April 1, 2010, and updated intercensal population estimates as of July 1 for 2001-2010. The US Census population count for New York City is 8,175,133 in 2010. Smaller geographical areas and demographic groups are derived by DCP using population data files from the 2010 Census. In the 2010 Summary of Vital Statistics, tables or figures with single year of data use 2010 Census population count; tables and figures with trend data use updated intercensal population estimates.

Race/Ethnicity Categories

Beginning with the 2000 Census, respondents could describe themselves and household members as being of more than one race, selecting at least one of six race categories: white, black, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, and some other race(s). These categories yield 63 possible combinations. Respondents also were asked if they were of Hispanic origin. The resulting responses could be organized into 64 groups. DCP collapses 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, which the DCP refers to as "mutually exclusive race and Hispanic categories. The first four of these categories are reflected in the Vital Statistics Summary variable "ethnic group" with a 5th that combines non-Hispanic American Indian and Alaska Native, non-Hispanic of some other race, non-Hispanic of two or more races and other or multiple race. For more information, see "Race, Ancestry, and Ethnic Group."

Community District

The 2010 community district population estimates by sex and 18 age groups were derived by DCP. In order to derive community district data by race/ethnicity and 22 age groups for the same period, as needed for reporting of the Annual Summary of Vital Statistics, the DOHMH produces its own estimates, constructed from the DCP data provided and available Census 2000 and 2010 data, ensuring consistency with marginal totals from the Census Intercensal Estimates program. Postcensal estimates as well as the official 2010 modified race summary files are used. Because the 2010 modified race summary file is not available from the Census for single-year age by modified race groups, the DOHMH uses the Census summary file 1 and adjusts the dataset to match the Census modified race summary file. To create the modified race groups, the "some other race" group is removed and race is imputed. While the modified race summary file created by the Census attempts to use information from other members of the same household, the DOHMH uses race information from the corresponding Census tract. The race distribution is then modified to match the 2010 modified race summary file.

Age Categories

For life expectancy computations, single-year age group populations are based on decennial census counts. In 2010 Summary, life expectancies for 2001-2008 are updated by using linear interpolation of single-year age group populations based on 2000 and 2010 census counts. Life expectancies for 2009 are also calculated based on same interpolated population.

DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS

Race, Ancestry, and Ethnic Group

Race and ancestry are two separate items on the certificates. A relative of the decedent usually reports this information to the funeral director for the death certificate. As of 2003, the death certificate allows for the selection of multiples races. Responses are coded following rules from the National Center for Health Statistics (NCHS). The ordered selection rules for defining ethnic group first assign 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, or other/multiple race/unknown.

NCHS defines ancestry 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. New York City receives enough certificates reporting Jewish or Hebrew ancestry to warrant inclusion in these tables, notwithstanding the religious meaning of the terms. Persons whose race is black and whose ancestry is American are classified as being of African American ancestry.

Birthplace

Decedent's birthplace is reported by country. US Virgin Islands and Guam are included in United States.

GEOGRAPHICAL UNITS

Data Presentation

Tables that stratify by location of residence (e.g., borough) separate data for nonresidents and residence-unknown categories– see Table M1 as an example. Tables that do not stratify by location of residence combine all deaths registered in New York City, regardless of residence.

Deaths that occurred to New York City residents while outside of New York City are not included in this report, with the exception of Life Expectancy (Tables M24, M25, and Figure M14). Life expectancy calculations use national data from the National Center for Health Statistics, including deaths to New York City residents that occurred outside of New York City. For more information see Life Expectancy.

Place of Death

"Hospital" includes residential units and other special facilities within the hospital. "Nursing home" includes only sites licensed as Extended Care Facilities by New York State. "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.

Borough of residence

Borough of residence and other geographic classifications are based on the usual residence reported on the certificate.

Community District (CD)

Community districts were established by City Charter in 1969 for the delivery of city services. Population figures for these districts are compiled by DCP from census tract and census block data. The sum of the community district populations in each borough may not equal the borough population or the citywide population because community districts may cross borough boundaries. Since 1985, assignments to geographic areas smaller than borough, such as community district, are made through the Geosupport Program, which is developed and maintained by the Department of City Planning. Additional information on community district geography can be found at www.nyc.gov/dcp.

DEATHS

Death Reporting

Death certificates must be filed within 72 hours of death or finding the body. Beginning January 2010, the NYC Health Code mandates the electronic filing of deaths that occur at a facility reporting 25 or more deaths. Beginning in April 2010, all medical examiner cases are filed electronically. During 2010, 83% of certificates were fully filed electronically using the Electronic Death Registrations System (EDRS). Additional information on EDRS is available at: www.nyc.gov/evers. With the revision of the death certificate, starting in June 1993, decedent race and ancestry information is reported by funeral directors.

Cause of Death Reporting

The cause of death on the death certificate is completed by a physician or medical examiner. The physician is required to provide the complete sequence of events and/or medical conditions leading to the death. These include the following:

- *immediate cause* – the specific condition that directly preceded the death
- *intermediate cause(s)* – the significant condition(s) that preceded and gave rise to the immediate cause of death
- *underlying cause* – the disease or condition that set off the chain of events leading to death.

For further information on how cause of death should be documented, visit www.nyc.gov/evers.

The Office of Vital Statistics initiated a program to improve quality of cause of death data in 2009, affecting mortality statistics. See the NYC Summary of Vital Statistics 2010, Special Section, for more information.

Cause of Death Coding

Since 2008, the reported causes of death are coded using the NCHS automated coding software package SuperMICAR, which classifies conditions according to the International Classification of Diseases (ICD) published by the World Health Organization. A single underlying cause is assigned based on the reported chain of events leading to death. Standardized codes allow for national and international comparisons.

Table M1 is based on the NCHS List of 113 Selected Causes of Death. Some causes have been added to or dropped from these tables based on their number and importance in New York City.

Death trends across ICD code revision years may display changes in trends that are artifacts of the change in ICD codes and coding rules. These should be interpreted with caution.

Comparability Ratio

National comparability ratios, last updated in 2003, reflect discontinuities in trend data for the cause of death when a new version of the ICD is implemented. They are presented in this Summary in Table M1 to explain changes in following the implementation of the ICD-10 coding system in January 1999.

Comparability ratios measure the net effect of ICD-10 on each cause of death. NCHS determined the causes of death under ICD-10 and ICD-9 for more than 2.3 million 1996 US mortality records and calculated the ratio:

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

More information on the ICD-10/ICD-9 comparability ratio can be found at http://www.cdc.gov/nchs/data/nvsr/ nvsr49/ nvsr49_02.pdf.

HIV and AIDS Mortality

Beginning 1999, with the 10th revision of the ICD code, deaths due to HIV disease (ICD-10 codes B20-B24) are characterized by the resulting disease or condition.

Maternal Death and Maternal Mortality

Deaths due to "Maternal Causes" use the World Health Organization's definition of maternal mortality, "deaths of a woman while pregnant or within 42 days of termination of pregnancy from any cause related to or aggravated by the pregnancy or its management ...." With the 10th revision of the ICD coding system, this category includes codes O00-O95, O98-O99 and A34 (obstetrical tetanus). "Pregnancy, childbirth and the puerperium" (O00-O99) includes deaths to women that occur outside of the time limitation defined by the World Health Organization (WHO).

External Causes of Death

External causes of death include accidents, suicide, assault, legal intervention, events of undetermined intent, operations of war and their sequelae, and complications of medical and surgical care. The Office of the Chief Medical Examiner determines the cause and manner of death in such cases. For the purpose of statistical analysis, whether a cause is defined as external depends on the ICD code assigned as the underlying cause of death and may not agree with the manner of death reported.

Sometimes a cause of death has not been established when the statistical file is closed. Such deaths are classified as "pending final determination" and may later be classified.

Deaths classified as "events of undetermined intent" are considered due to external causes for the purpose of statistical analysis.

Drug-related Deaths

"Two definitions of drug-related...are presented in this report. The first, "Mental and behavioral disorders due to the use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco" is based on NCHS standard cause of death definitions using underlying causes as a basis for categorizing deaths. The second definition, Accidental/unintentional Drug-related Overdose Deaths is presented in the 2012 TCNY, Priority Area 7 Risky Alcohol Use and Drug Dependence and in the Executive Summaries of Summary of Vital Statistics, starting in 2009.

"Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco" also called "Use of or poisoning by psychoactive substance" combines underlying chronic drug-use ICD codes (F11-F16, F18-F19) and accidental (unintentional) drug-poisoning ICD-10 codes (X40-X42, X44) to estimate overall drug-related deaths. This definition is found in Tables M1, M7, M8, M9, M10, M11, M12, and M26. "Accidental poisoning by psychoactive substances, excluding alcohol and tobacco," the "accidental" subset of underlying codes (X40-X42, X44) are reported in Tables M1 and M18. "Mental and behavioral disorders due to the use of psychoactive substance excluding alcohol and tobacco", the "chronic" subset of underlying codes (F11-F16, F18-F19) is found in Table M1. However, please use "accidental" (unintentional) and "chronic" subset trend data with caution as changes from manual to automated ICD coding resulted in a redistribution of chronic causes to acute in 2007 and going forward.

A slight different definition of drug-related deaths that was used in the Take Care New York (TCNY) 2012 indicator in Priority Area 7, Reduce Risky Alcohol Use and Drug Dependence.

Deaths due to alcohol and tobacco are reported separately. See Smoking and Alcohol-attributable Mortality below.

Homicide

A homicide is defined as 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 those of the Bureau of Vital Statistics (BVS) counts for a number of reasons outlined below. Nonetheless, reported trends are similar.

NYPD reports homicides as counts of Murder and Non-Negligent Manslaughter using rules and procedures from the Federal Bureau of Investigation's Uniform Crime Reporting System (UCR). The count includes deaths determined to be both criminal and satisfying the UCR guidelines. NYPD judges some homicides as justifiable and reports these separately to the FBI. BVS reports a death as a homicide based on the ICD-10 system. All homicides are medical examiner (ME) cases. ICD-10 defines legal intervention 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, deaths from legal intervention have been reported separately in Tables M1 and M20 and are excluded from the homicide counts in Tables M11 and M12.

NYPD Murder and Non-Negligent Manslaughter statistics count all murders known to have been committed in New York City regardless of where the death occurred. BVS reports all homicide deaths known to have occurred in New York City regardless of where the crime was committed.

In its annual count, the NYPD 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 period will be counted in the year that the determination is made. BVS reports homicide by the date of the death and the Annual count includes any cases reported until the file closes for the year

(approximately 10 months after the end of the year).

Sometimes death results from a crime many years after the crime was committed. Other times, a death may be determined a crime years after the death. In either situation, the ME may determine the death a homicide. If classified as a criminal homicide, NYPD will count the death in the year that the determination is made. However BVS will report the homicide by the date of death. In cases where a death is reclassified a homicide after the file closes, the death will be recorded as a homicide on the death certificate, but this change will not be reflected in any counts of homicides for the year of death or any other years.

Complications of Medical and Surgical Care

With the 10th revision of the ICD coding system, complications of medical and surgical care are no longer classified as accidents and are now shown separately from accidents (Table M22).

Motor Vehicle Deaths

The Bureau of Vital Statistics (BVS) methodology for counting Motor Vehicle Deaths differs from that of the Department of Transportation (DOT) and NYPD in two ways. First, DOT and NYPD do not include deaths resulting from illness while operating a motor vehicle in their traffic fatality count, while BVS does, as this is the standardized NCHS approach. 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 and NYPD for the month in which the accident occurred. However, BVS reports deaths by date of death.

World Trade Center (WTC) Deaths

Since 2008, any deaths during the reporting year identified as late-effect WTC deaths are counted in the year of the confirmed death report and in Table M1 under Assault (homicide): ICD-10 Code U02. The current total, based on death certificates filed through December 24, 2010, is 2,752, of which 2,749 occurred within city limits. Unless otherwise specified, WTC deaths occurring in 2001 are generally not included in Summary tables and figures due to the effect this large number would have on year-to-year trends.

Fatal Occupational Injuries

Table M17 and Figure M12 are based on US. Department of Labor's Bureau of Labor Statistics. These deaths, unlike NYC Vital Statistics data, include all fatal injuries occurring in New York City regardless of the residence of decedents or location of the deaths. The industry in which the decedent worked and was injured is coded based on the North American Industry Classification System (NAICS). Comparisons by industry before and after 2003 are discouraged because of the substantial coding differences.

For all NYC occurring deaths due to external causes, BVS reviews autopsy and other reports to determine if the injury occurred at work. Definitions and terminology are based on US Department of Labor's Bureau of Labor Statistics, which may differ from other definitions used in vital statistics.

Smoking- and Alcohol-attributable Mortality

Smoking- and alcohol-attributable deaths represent the number of New York City deaths attributed to exposure to smoking and alcohol, respectively. These statistics were computed using similar methodologies.

Smoking-attributable Mortality (SAM)

SAM was calculated using CDC's Adult SAMMEC (Smoking-Attributable Mortality, Morbidity, and Economic Costs) program using an attributable fraction formula. New York City sex-specific smoking prevalence was estimated from the New York City DOHMH Community Health Survey (CHS) and computed by the Bureau of Epidemiology. The relative risks (RR) of death for current and former smokers $\geq$35 years of age for 19 smoking-related diseases were estimated from the American Cancer Society's Cancer Prevention Study. The smoking-attributable fraction (SAF) for each smoking-related disease and sex is calculated 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 the percentage of adult never-smokers in New York City; p_1 is the percentage of adult current smokers in New York City; p_2 is the percentage of adult former-smokers in New York City; 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, the age- and sex-specific SAFs are multiplied 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)

AAM was calculated using the Alcohol-Related Disease Impact (ARDI) program using an alcohol-attributable fraction (AAF). For conditions that, by definition, are caused by alcohol use, the AAF was set equal to 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 New York City 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 New York City 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 New York City 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.

Age at Death

For ages greater than one year, decedent's age is based on age at last birthday. Unknown ages are not recoded.

Life Expectancy

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 calculation requires counts and mortality figures for the desired subgroups. Life expectancy is estimated by ethnic group instead of race to ascertain differences among Hispanics, non-Hispanic whites and non-Hispanic blacks. Life expectancy tables by race/ethnicity for New York City are generally presented for census years when accurate population data are available (Table M24). The mortality experience for the census year, the year before, and the year after is used to smooth statistical variation. To enable comparison, life expectancy for 1990 was recalculated by ethnic group.

The World Trade Center disaster deaths are not included in calculation of life expectancy in Table M24.

Table M25 presents annual life expectancy by age and sex providing trend information. Annual life expectancy is estimated using single-year death data. Table M25 does not include life expectancy for 2010 because national data on deaths to New York City residents occuring outside of New York City are required and not yet available.

Historical Hispanic ancestry data and life expectancy estimates should be interpreted with caution. In addition to changes in collection of Hispanic ancestry information, Hispanic immigration patterns may result in overestimated life expectancy if Hispanics move out of the US before death at a greater rate than other ethnic groups. The Hispanic population tends to be younger than other ethnic groups, which may lead to underestimates of Hispanic death rates and overestimates of Hispanic life expectancy.

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 effect of premature mortality on a population. YPLL is often calculated using a cutoff age, 65 or 75, as follows:

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

where i is the midpoint of the grouped year of age at death and d_i is the number of deaths at grouped year of age i. YPLL can be calculated for specified causes of death. In Table M26, age 75 is used as the cut off age and single year of age is used in calculation. Therefore i is single year of age younger than 75.

Infant Mortality Contents

Infant Mortality Overview

Infant mortality is a key indicator of a population's overall health and is defined as the number of infant deaths, occurring within the first year of life, per 1,000 live births. To characterize infant mortality in New York City, the Bureau of Vital Statistics links the mother's demographic data from the child's birth certificate to data from the death certificate and confidential medical report of death.

Select Key Findings:

- The infant mortality rate continued to steadily decline. In 2010, 4.9 infants per 1,000 live births died within their first year of life (Figure I1). Therefore, the Take Care New York goal of a citywide infant mortality rate of 5.0 by 2012 has already been met.
- The leading causes of infant death are short gestation/low birth weight and congenital malformations (Table I1).
- Racial and ethnic disparities in infant mortality rates persist. Infant mortality rates were highest among infants born to non-Hispanic black and Puerto Rican mothers (Figure I3, Table I4).
- Mortality rates are highest among infants delivered at less than 28 weeks of gestation. Infants carried to term are more likely to survive across all ethnic groups (Figure I4, Table I2, Table I3).
- Infant mortality rates vary by borough. From 2001 to 2010, infant mortality decreased in Manhattan, Brooklyn, Queens, and the Bronx by 34%, 30%, 10%, and 3%, respectively, and fluctuated between a low of 3.0 and a high of 6.5 in Staten Island (Figure I5, Table I6).
- Healthcare access impacts many health outcomes, including infant mortality. In 2010, infants born to the uninsured were nearly twice as likely to die in their first year of life (11.2 deaths per 1,000 live births) than those covered by Medicaid (5.2 deaths per 1,000 live births) (Figure I8).

Figure I1. Infant Mortality Rate, New York City, 1898-2010

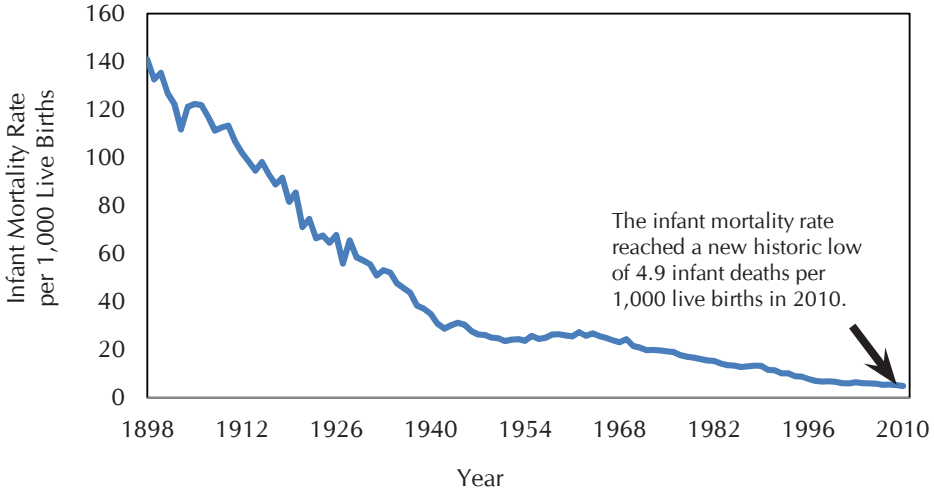
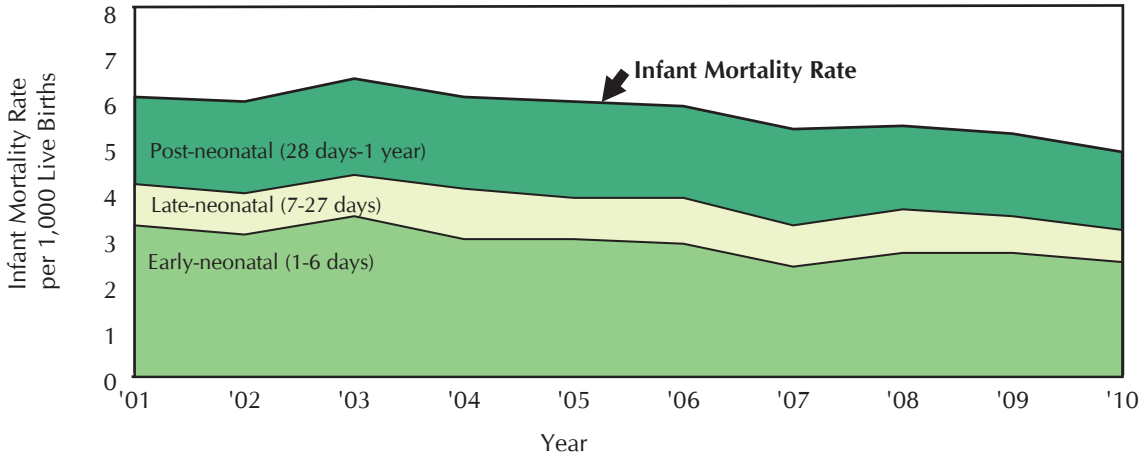


Figure I2. Infant, Neonatal, and Post-neonatal Mortality Rates, New York City, 2001-2010



- The majority of infant deaths (52%) occur within the early-neonatal period, which is the first 6 days of life. Post-neonatal mortality and late-neonatal mortality account for 34% and 14% of infant deaths.
- In the last 10 years, early-neonatal, late-neonatal, and post-neonatal mortality rates declined by 24%, 22%, and 11%, respectively.

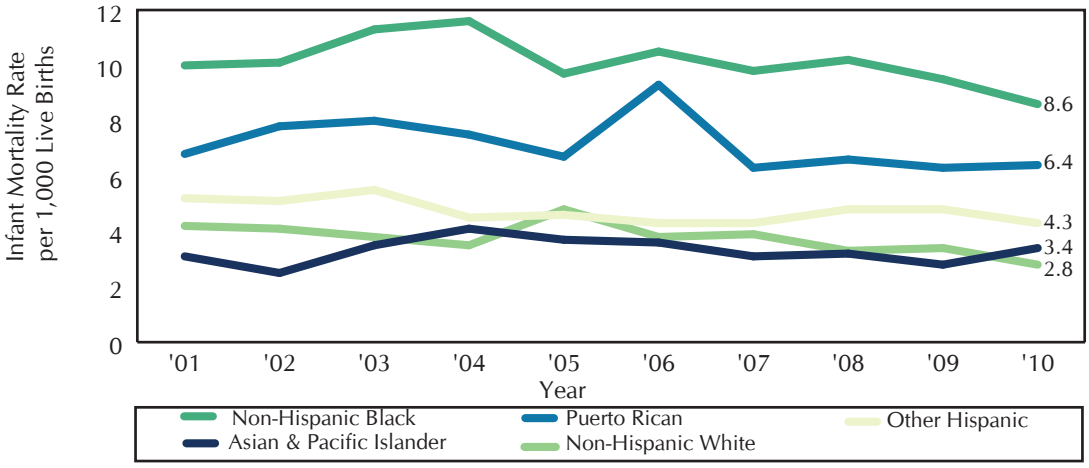
Table I1. Infant Deaths by Cause, Sex, and Age, New York City, 2010

	Cause of Death	Total	Male		Female	
			Neonatal (<28 Days)	Post-neonatal (≥ 28 Days)	Neonatal (<28 Days)	Post-neonatal (≥ 28 Days)
	Total	**609**	**214**	**114**	**189**	**92**
1	Diseases of the Circulatory System (100-199)†	5	1	2	-	2
2	Influenza and Pneumonia (J10-J18)†	12	-	7	-	5
3	Newborn Affected by Maternal Complications of Pregnancy (P01)†	7	-	-	7	-
4	Newborn Affected by Complications of Placenta, Cord, and Membranes (P02)†	17	6	1	9	1
5	Short Gestation and Low Birthweight (P07)†	146	73	5	62	6
6	Intrauterine Hypoxia and Birth Asphyxia (P20-P21)†	5	2	-	3	-
7	Respiratory Distress of Newborn (P22)†	22	10	-	12	-
8	Pulmonary Hemorrhage Originating in the Perinatal Period (P26)†	4	2	-	2	-
9	Atelectasis (P28.0-P28.1)†	6	4	-	2	-
10	Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)‡	11	6	-	4	1
11	Cardiovascular Disorders Originating in the Perinatal Period (P29)‡	69	42	-	27	-
12	Infections Specific to the Perinatal Period (P35-P39)‡	8	3	1	3	1
	Bacterial sepsis of newborn (P36)	4	2	1	1	-
13	Neonatal Hemorrhage (P50-P52, P54)†	9	7	-	2	-
14	Necrotizing Enterocolitis of Newborn (P77)†	16	9	1	5	1
15	Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)	20	6	4	10	-
16	Congenital Malformations, Deformations (Q00-Q99)†	118	35	23	38	22
	Congenital malformations of heart (Q20-Q24)	50	13	14	11	12
17	Sudden Infant Death Syndrome (R95)†	4	-	3	-	1
18	All Other Diseases (Rest of A00-R99)	66	3	31	2	30
19	External Causes (V01-Y89)‡	64	5	36	1	22

‡ Contains causes eligible to be ranked as a leading cause nationally but infrequent in New York City. Including these groups permits recognition of important causes of infant death.
† Eligible to be ranked as leading causes nationally and in New York City.

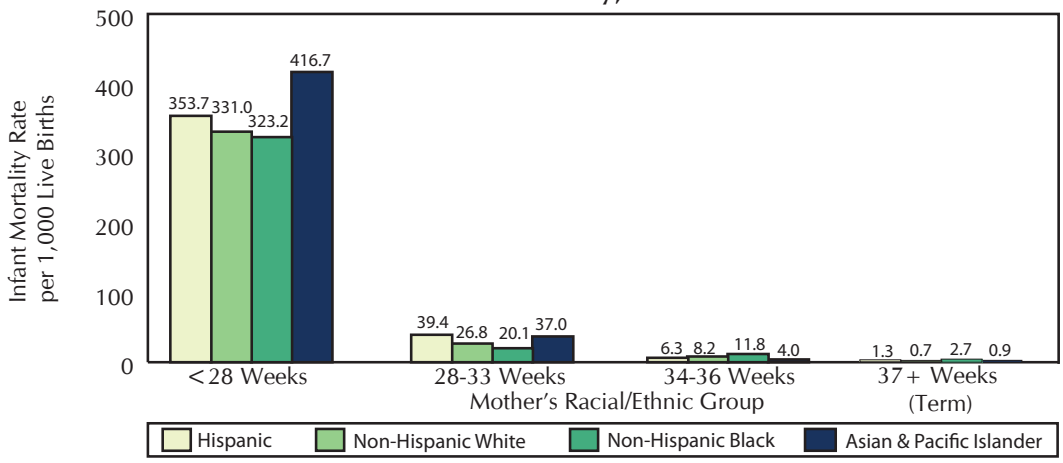
- The leading causes of infant death are congenital malformations and short gestation/ low birthweight.
- Deaths due to injury, homicide, and events of undetermined intent are classified as external causes and represent 11% of infant deaths.

Figure I3. Infant Mortality Rate by Mother's Racial/Ethnic Group, New York City, 2001-2010



- From 2001 to 2010, infant mortality rates declined among infants born to non-Hispanic whites (33%), other Hispanics (17%), non-Hispanic blacks (14%), and Puerto Ricans (6%).
- During the same time, the infant mortality rate for infants born to Asians and Pacific Islanders fluctuated between a low of 2.5 in 2002 and a high of 3.7 in 2005.
- Among all ethnic groups, infants born to non-Hispanic black mothers and Puerto Rican mothers in 2010 had higher risks of dying within their first year of life, with 8.6 and 6.4 infant deaths per 1,000 live births, respectively.

Figure I4. Infant Mortality by Gestational Age and Mother's Racial/Ethnic Group, New York City, 2010



- The highest risk of infant death occurs among infants born at less than 28 weeks of gestation.
- At every gestational stage, there are racial/ethnic differences in risk of death.
  - Extremely preterm infants (< 28 weeks gestation) born to Asian and Pacific Islanders have the highest mortality rate at 416.7, but Asians and Pacific Islanders have a low proportion of infants born at this early gestational age (0.4%).
  - Extremely preterm infants born to non-Hispanic black mothers have the lowest mortality rate at 323.2, but non-Hispanic black mothers have the highest proportion of extremely preterm births (1.6%).

Table I2. Infant Deaths by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2010

Characteristics	Total					Early-neonatal					Neonatal					Post-neonatal				
	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.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.
Total	609	190	104	230	62	316	97	63	116	30	403	124	75	148	41	206	66	29	82	21
Sex of Child																				
Male	328	100	57	123	36	164	51	34	59	16	214	65	40	78	24	114	35	17	45	12
Female	281	90	47	107	26	152	46	29	57	14	189	59	35	70	17	92	31	12	37	9
Birthweight at Delivery (Grams)																				
Very low birthweight (<1,500)	344	103	56	133	39	237	72	45	88	24	285	88	49	107	31	59	15	7	26	8
Low birthweight (<2,500)	423	131	69	160	47	270	80	54	102	26	332	100	59	125	36	91	31	10	35	11
2,500-4,000	147	45	25	57	13	38	12	8	12	4	55	18	11	18	5	92	27	14	39	8
Above 4,000	6	1	-	5	-	1	1	-	-	-	2	1	-	1	-	4	-	-	4	-
Not stated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unmatched†	33	13	10	8	2	7	4	1	2	-	14	5	5	4		19	8	5	4	2
Gestational Age (Weeks)																				
Very premature (<32)	351	105	58	138	36	242	75	46	92	21	292	90	51	111	29	59	15	7	27	7
Premature (<37)	417	131	68	159	43	268	79	54	104	23	327	97	59	126	34	90	34	9	33	9
Full-term	157	46	26	63	15	39	14	8	10	5	60	22	11	18	5	97	24	15	45	10
Not stated	2	-	-	-	2	2	-	-	-	2	2	-	-	-	2	-	-	-	-	-
Unmatched†	33	13	10	8	2	7	4	1	2	-	14	5	5	4	-	19	8	5	4	2
Plurality																				
Singletons	484	152	67	193	54	248	73	44	99	26	315	96	49	122	37	169	56	18	71	17
Multiples	92	25	27	29	6	61	20	18	15	4	74	23	21	22	4	18	2	6	7	2
Unmatched†	33	13	10	8	2	7	4	1	2	0	14	5	5	4	-	19	8	5	4	2
Plurality unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

† See Technical Notes: Infant Mortality.

Table I3. Infant Mortality Rate by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2010

Characteristics	Total					Early-neonatal					Neonatal					Post-neonatal				
	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.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.
Total	4.9	4.8	2.8	8.6	3.4	2.5	2.5	1.7	4.4	1.7	3.2	3.2	2.0	5.6	2.3	1.7	1.7	0.8	3.1	1.2
Sex of Child																				
Male	5.1	5.0	2.9	9.0	3.8	2.6	2.5	1.7	4.3	1.7	3.3	3.2	2.1	5.7	2.6	1.8	1.7	0.9	3.3	1.3
Female	4.6	4.7	2.6	8.2	3.0	2.5	2.4	1.6	4.4	1.6	3.1	3.1	1.9	5.4	2.0	1.5	1.6	0.7	2.9	1.0
Birthweight at Delivery (Grams)																				
Very low birthweight (<1,500)	170.8	194.3	147.0	161.0	179.7	117.7	135.8	118.1	106.5	110.6	141.5	166.0	128.6	129.5	142.9	29.3	28.3	18.4	31.5	36.9
Low birthweight (<2,500)	38.7	42.5	26.5	47.2	30.6	24.7	26.0	20.7	30.1	16.9	30.4	32.5	22.7	36.9	23.5	8.3	10.1	3.8	10.3	7.2
2,500-4,000	1.4	1.3	0.8	2.6	0.8	0.4	0.4	0.2	0.5	0.3	0.5	0.5	0.3	0.8	0.3	0.9	0.8	0.4	1.8	0.5
Above 4,000	0.8	0.4	-	3.7	-	0.1	0.4	-	-	-	0.3	0.4	-	0.7	-	0.5	-	-	3.0	-
Gestational Age (Weeks)																				
Very preterm (<32)	163.7	170.7	138.8	163.9	167.4	112.9	122.0	110.0	109.3	97.7	136.2	146.3	122.0	131.8	134.9	27.5	24.4	16.7	32.1	32.6
Preterm (<37)	34.9	35.5	23.5	44.7	28.9	22.4	21.4	18.7	29.2	15.5	27.4	26.3	20.4	35.4	22.9	7.5	9.2	3.1	9.3	6.1
Full-term	1.4	1.3	0.7	2.7	0.9	0.3	0.4	0.2	0.4	0.3	0.5	0.6	0.3	0.8	0.3	0.9	0.7	0.4	2.0	0.6
Plurality																				
Singletons	4.0	4.0	1.9	7.5	3.1	2.1	1.9	1.2	3.9	1.5	2.6	2.5	1.4	4.8	2.1	1.4	1.5	0.5	2.8	1.0
Multiples	18.5	21.7	13.0	28.4	11.1	12.3	17.4	8.6	14.7	7.4	14.9	20.0	10.1	21.5	7.4	3.6	1.7	2.9	6.8	3.7

Note: Categories for gestational age in Table I2 and Table I3 differ from those in Figure I4. Different categories are used in Table I2 and Table I3 due to the small number of events.

Table I4. Live Births, Infant Deaths, and Infant Mortality Rates by Mother's Racial/Ethnic Group, New York City, 2006-2010

Mother's Ethnic Group*	2006	2007	2008	2009	2010
Live Births, Total	**125,506**	**128,961**	**127,680**	**126,774**	**124,791**
Puerto Rican	10,111	10,229	10,351	9,958	9,581
Other Hispanic	30,300	30,483	30,029	30,328	29,764
Asian and Pacific Islander	17,356	19,291	18,204	17,729	18,047
Non-Hispanic white	38,231	39,351	38,383	38,438	37,780
Non-Hispanic black	29,077	29,268	27,917	27,405	26,635
Other or Unknown	431	339	2,796	2,916	2,984
Infant Deaths (< 1 year)‡, Total	740	697	698	668	609
Puerto Rican	94	64	68	63	61
Other Hispanic	129	130	143	147	129
Asian and Pacific Islander	62	59	59	50	62
Non-Hispanic white	145	155	125	131	104
Non-Hispanic black	304	287	284	259	230
Other or Unknown	6	2	19	18	23
Infant Mortality Rate, Total	5.9	5.4	5.5	5.3	4.9
Puerto Rican	9.3	6.3	6.6	6.3	6.4
Other Hispanic	4.3	4.3	4.8	4.8	4.3
Asian and Pacific Islander	3.6	3.1	3.2	2.8	3.4
Non-Hispanic white	3.8	3.9	3.3	3.4	2.8
Non-Hispanic black	10.5	9.8	10.2	9.5	8.6
Neonatal Deaths (< 28 days), Total	484	430	466	444	403
Puerto Rican	54	37	43	44	43
Other Hispanic	91	82	99	97	81
Asian and Pacific Islander	41	39	44	36	41
Non-Hispanic white	105	93	82	97	75
Non-Hispanic black	190	177	182	158	148
Neonatal Mortality Rate, Total	3.9	3.3	3.6	3.5	3.2
Puerto Rican	5.3	3.6	4.2	4.4	4.5
Other Hispanic	3.0	2.7	3.3	3.2	2.7
Asian and Pacific Islander	2.4	2.0	2.4	2.0	2.3
Non-Hispanic white	2.7	2.4	2.1	2.5	2.0
Non-Hispanic black	6.5	6.0	6.5	5.8	5.6

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

‡ See Technical Notes: Deaths, Infant Mortality.

Table I5. Infant Mortality Rate by Mother's Birthplace†, New York City, 2006-2010

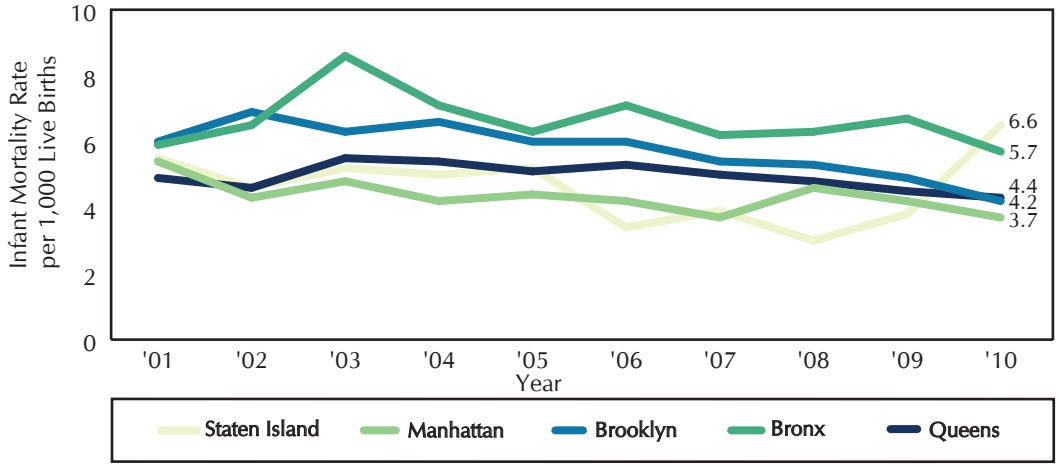
Birthplace	2006	2007	2008	2009	2010
Total, New York City	**5.9**	**5.4**	**5.5**	**5.3**	**4.9**
Guatemala	1.8	5.4	5.1	3.2	9.9
Puerto Rico ‡	12.0	6.6	6.9	7.3	9.5
Honduras	3.6	1.1	4.6	7.0	8.9
Guyana	8.2	7.5	10.7	4.2	8.0
Philippines	3.7	2.4	1.3	1.2	6.7
Haiti	8.9	5.3	8.0	3.9	6.4
Jamaica	9.4	5.1	7.2	5.1	6.3
Trinidad and Tobago	9.5	4.8	7.7	1.3	6.3
Yemen Arab Republic	†	†	2.0	†	6.3
Ghana	5.9	10.0	4.4	4.1	5.8
Nigeria	7.9	3.5	5.2	11.6	4.8
Pakistan	8.6	6.8	7.1	4.7	4.5
Ecuador	3.5	5.2	3.0	1.7	4.5
Bangladesh	2.4	4.2	1.8	5.7	4.0
El Salvador	8.2	3.8	2.5	2.5	3.7
Dominican Republic	4.1	3.4	3.8	5.4	3.6
Mexico	3.7	3.5	5.0	2.9	3.5
United Kingdom	6.3	1.6	3.4	0.0	3.5
Russia	4.3	0.0	1.1	4.1	3.1
China	2.1	1.6	2.2	2.1	2.6
India	4.4	3.1	2.3	1.9	2.6
Egypt	†	†	†	†	2.0
Uzbekistan	†	†	†	0.0	1.7
Ukraine	0.0	3.8	3.8	1.3	1.2
Korea	2.1	2.6	1.0	0.0	1.1
Canada	3.3	0.0	3.5	3.2	0.0
Colombia	3.8	0.0	1.0	3.5	0.0
Israel	2.6	2.4	0.0	1.7	0.0
Poland	0.0	2.0	4.1	1.0	0.0
Peru	7.2	5.5	†	3.8	†
United States ‡	6.3	6.2	6.1	6.5	5.3

Note: Foreign countries are listed by the descending order of infant mortality rates in most current year.

†Less than 500 live births. The rate is listed for only countries with 500 or more live births per year.

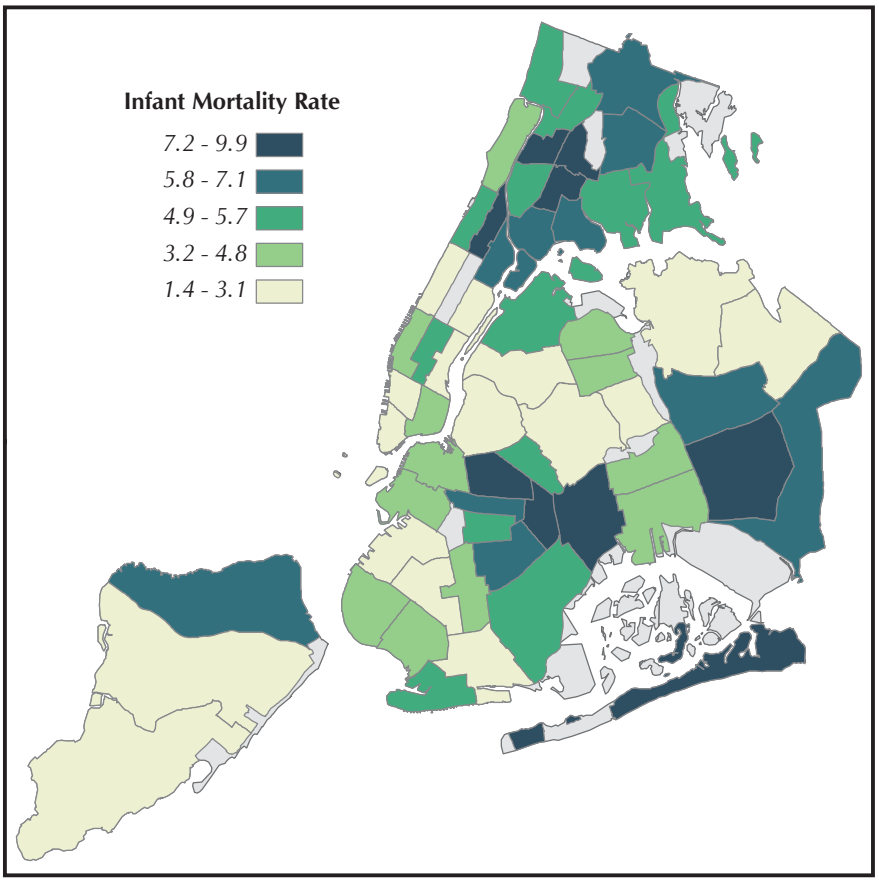
‡ As of 2006, the US Virgin Islands and Guam are included in the United States.

Figure I5. Infant Mortality Rate by Borough of Residence, New York City, 2001-2010



- From 2001 to 2010, infant mortality decreased in Manhattan, Brooklyn, Queens, and the Bronx by 34%, 30%, 10%, and 3%, respectively.
- From 2001 to 2010, the infant mortality rate in Staten Island fluctuated between a low of 3.0 (17 infant deaths) in 2008 and a high of 6.6 (36 infant deaths) in 2010.

Figure I6. Infant Mortality Rate (Rolling Three-year Averages) by Community District of Residence, New York City, 2008-2010



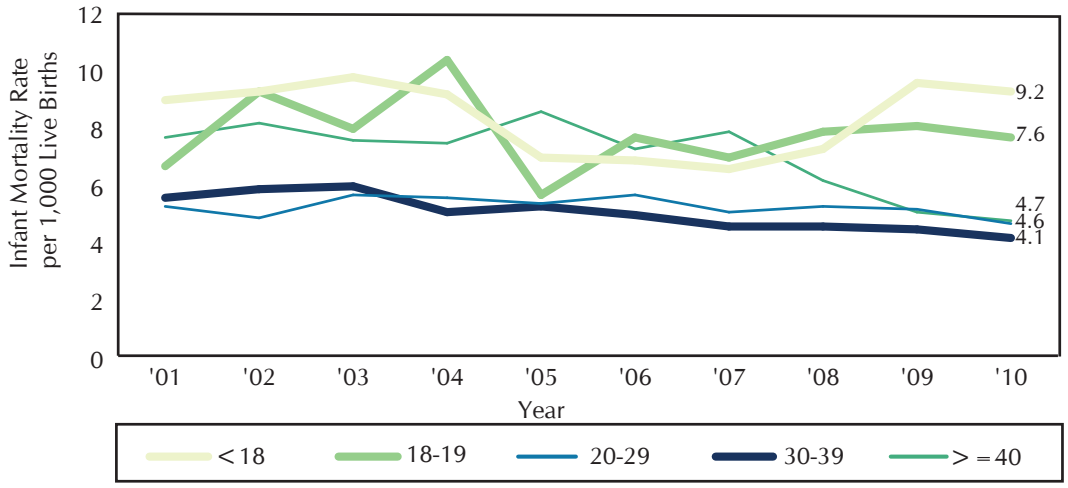
- The three community districts with the highest infant mortality rates from 2008 to 2010 were Brownsville (9.9), East New York (8.7), and Bedford-Stuyvesant (8.5) (Table I6).
- The community districts with the lowest infant mortality rates from 2008 to 2010 were Greenwich Village/SOHO (1.4), Upper West Side (2.0), and Rego Park, Forest Hills (2.1) (Table I6).

Table I6. Infant and Neonatal Mortality Rates by Community District of Residence, New York City, 2006-2010

Community District		2006-2008*		2007-2009*		2008-2010*	
		Infant Mortality Rate	Neonatal Mortality Rate	Infant Mortality Rate	Neonatal Mortality Rate	Infant Mortality Rate	Neonatal Mortality Rate
	NEW YORK CITY	**5.6**	**3.6**	**5.4**	**3.5**	**5.2**	**3.5**
	MANHATTAN	4.2	2.8	4.2	2.8	4.1	2.8
101	Battery Park, Tribeca	2.8	2.4	2.2	1.9	1.4	1.0
102	Greenwich Village, SOHO	4.4	3.7	4.1	3.3	3.1	2.7
103	Lower East Side	3.7	2.7	3.7	2.1	4.4	2.3
104	Chelsea, Clinton	1.1	0.8	2.9	2.2	3.2	2.5
105	Midtown Business District	4.5	2.6	4.9	3.0	5.3	3.6
106	Murray Hill	3.1	2.1	2.8	2.5	3.1	3.1
107	Upper West Side	3.2	2.0	2.5	1.6	2.0	1.3
108	Upper East Side	2.3	1.7	2.5	1.8	2.7	1.9
109	Manhattanville	7.2	4.7	7.0	4.7	5.7	4.3
110	Central Harlem	8.6	4.6	7.9	4.6	7.5	4.6
111	East Harlem	6.4	4.3	7.6	4.6	6.6	4.1
112	Washington Heights	3.4	2.5	3.5	2.7	4.7	3.1
	BRONX	6.5	4.3	6.4	4.2	6.3	4.3
201	Mott Haven	10.1	7.4	7.6	5.0	7.1	4.6
202	Hunts Point	5.4	4.7	5.5	3.8	6.4	4.1
203	Morrisania	8.2	4.1	7.0	4.0	7.8	5.0
204	Concourse, Highbridge	6.3	3.9	6.2	4.0	5.7	3.7
205	University/Morris Heights	5.4	3.4	6.4	3.9	7.5	5.1
206	East Tremont	6.5	4.2	6.5	3.8	7.4	5.2
207	Fordham	6.9	5.8	6.7	5.3	5.5	4.4
208	Riverdale	4.2	2.0	5.3	3.3	5.2	4.3
209	Unionport, Soundview	5.6	3.8	5.0	3.7	4.9	3.2
210	Throgs Neck	4.6	2.6	5.7	4.1	4.9	3.6
211	Pelham Parkway	4.2	3.8	7.1	6.2	6.3	5.4
212	Williamsbridge	8.9	4.4	7.2	3.6	7.0	3.9
	BROOKLYN	5.6	3.5	5.2	3.3	4.8	3.1
301	Williamsburg, Greenpoint	3.9	2.4	3.0	2.0	2.5	1.8
302	Fort Greene, Brooklyn Heights	5.0	2.6	3.5	1.7	4.8	2.7
303	Bedford Stuyvesant	8.9	4.9	8.7	5.2	8.5	5.3
304	Bushwick	5.8	4.2	5.8	4.1	5.0	3.8
305	East New York	9.5	5.3	9.5	5.3	8.7	4.6
306	Park Slope	5.9	4.1	4.7	3.6	3.3	1.9
307	Sunset Park	2.4	1.8	2.6	1.7	3.1	2.0
308	Crown Heights North	7.0	5.2	4.9	3.8	5.8	4.2
309	Crown Heights South	5.1	3.5	5.5	3.9	5.1	3.2
310	Bay Ridge	3.9	2.9	3.8	2.3	4.0	2.7
311	Bensonhurst	3.5	2.8	3.2	2.6	3.7	2.9
312	Borough Park	2.7	1.7	3.6	2.1	2.7	1.7
313	Coney Island	5.6	4.2	5.0	3.6	4.9	3.0
314	Flatbush, Midwood	6.2	3.8	4.9	2.6	4.3	2.2
315	Sheepshead Bay	5.0	3.7	4.3	3.3	3.1	2.0
316	Brownsville	10.3	5.9	11.3	6.3	9.9	6.5
317	East Flatbush	7.2	4.0	6.2	4.0	6.4	4.4
318	Canarsie	7.2	4.5	6.3	4.1	5.3	3.2
	QUEENS	5.0	3.4	4.7	3.1	4.5	2.9
401	Astoria, Long Island City	4.5	3.9	4.5	3.7	5.3	3.8
402	Sunnyside, Woodside	3.3	2.4	3.3	2.6	2.8	2.2
403	Jackson Heights	4.9	3.0	3.6	2.4	3.6	2.2
404	Elmhurst, Corona	3.7	2.9	3.2	2.2	3.7	2.4
405	Ridgewood, Glendale	3.2	2.6	3.2	2.3	3.0	2.0
406	Rego Park, Forest Hills	2.9	1.6	2.1	1.1	2.1	1.3
407	Flushing	3.4	2.3	2.9	1.7	2.8	1.9
408	Fresh Meadows, Briarwood	7.3	5.2	7.4	5.2	6.1	3.8
409	Woodhaven	5.3	3.1	4.3	2.0	4.1	1.7
410	Howard Beach	5.3	3.3	5.2	3.2	4.8	2.8
411	Bayside	3.8	2.4	3.8	2.4	2.5	2.0
412	Jamaica, St. Albans	8.0	5.7	8.4	5.6	7.3	4.3
413	Queens Village	6.9	4.1	6.7	3.7	5.9	4.0
414	The Rockaways	6.7	3.8	6.2	3.7	7.5	4.9
	STATEN ISLAND	3.5	1.7	3.5	2.0	4.4	3.5
501	Port Richmond	4.8	2.3	5.0	3.0	5.9	4.5
502	Willowbrook, South Beach	2.5	1.1	1.8	0.7	3.0	2.5
503	Tottenville	2.3	1.3	2.6	1.6	3.1	2.5

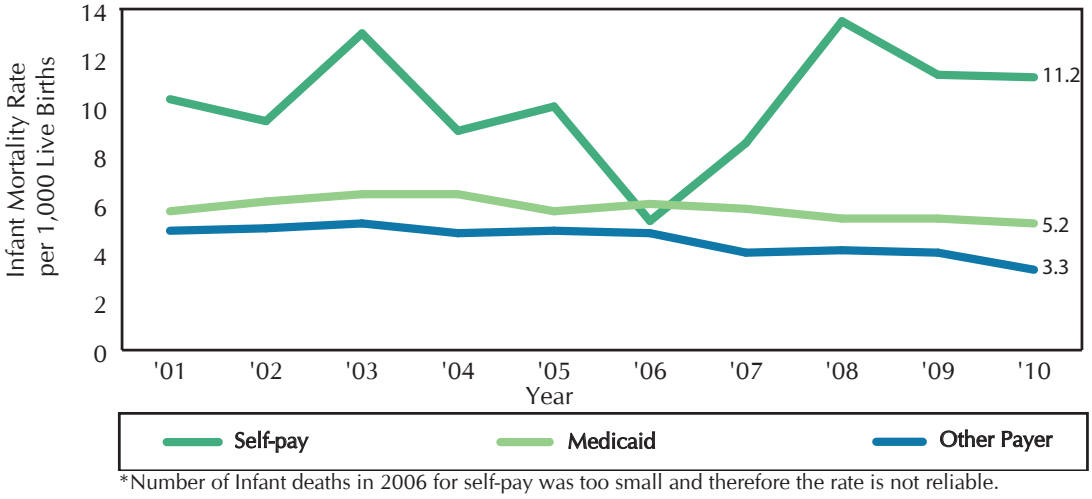
* Due to instability of the infant mortality rate by small geographic area (community district), the infant mortality rate is presented in rolling three-year averages. Figure I6 provides single-year infant mortality rate by borough.

Figure I7. Infant Mortality Rate by Age of Mother, New York City, 2001-2010



- In the past decade, infant mortality rates have declined for infants born to mothers 20 years of age or older. Specifically, mortality rates for infants born to women aged 20-29, 30-39, and 40 and older decreased by 10%, 16%, and 38%, respectively.
- Infant mortality for young teenage mothers (<18 years of age) fluctuated between a low of 6.5 in 2007 and a high of 9.7 in 2003.
- During the same time period, the infant mortality rates for children born to mothers in their late teens (18-19) vacillated between 5.6 in 2005 and 10.3 in 2004.

Figure I8. Infant Mortality Rate by Primary Payer for Birth, New York City, 2001-2010



*Number of Infant deaths in 2006 for self-pay was too small and therefore the rate is not reliable.

- From 2001 to 2010, infant mortality rates decreased by 9% for deliveries covered by Medicaid and 33% for deliveries covered by other insurance.
- In 2010, infants born to the uninsured were nearly twice as likely to die in their first year of life (11.2) than those covered by Medicaid (5.2) and more than 3 times more likely to die than those covered by other insurance (3.3).
- Beginning 2008, the Medicaid group includes Family Health Plus, Child Health Plus B, and other government insurance as well as Medicaid enrollees because of a change in the way this information is collected on the birth certificate.

Table I7. Live Births and Infant Mortality Rate by Characteristics of Mother, New York City, 2010

Characteristics	Live Births		Infant Mortality Rate (IMR) per 1,000 Live Births					
			All		Neonatal		Post-neonatal	
	Number	Percent	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total	**124,791**	**100.0**	**609**	**4.9**	**403**	**3.2**	**206**	**1.7**
Race/Ethnicity*								
Puerto Rican	9,581	7.7	61	6.4	43	4.5	18	1.9
Other Hispanic	29,764	23.9	129	4.3	81	2.7	48	1.6
Asian and Pacific Islander	18,047	14.5	62	3.4	41	2.3	21	1.2
Non-Hispanic white	37,780	30.3	104	2.8	75	2.0	29	0.8
Non-Hispanic black	26,635	21.3	230	8.6	148	5.6	82	3.1
Other and unknown	2,984	2.4	23	–	15	–	8	–
Age of Mother								
Age < 18	2,295	1.8	21	9.2	12	5.2	9	3.9
Age 18-19	5,014	4.0	38	7.6	29	5.8	9	1.8
Age 20-29	55,714	44.6	258	4.6	163	2.9	95	1.7
Age 30-39	55,348	44.4	229	4.1	162	2.9	67	1.2
Age ≥ 40	6,419	5.1	30	4.7	23	3.6	7	1.1
Age unknown	1	0.0	–	–	–	–	–	–
Mother's Education								
11th grade or less/12th grade, no diploma	29,726	23.8	182	6.1	118	4.0	64	2.2
High school graduate or GED	27,950	22.4	162	5.8	106	3.8	56	2.0
Some college/associate degree	26,610	21.3	119	4.5	75	2.8	44	1.7
Bachelor's degree	22,221	17.8	56	2.5	43	1.9	13	0.6
Master's degree or higher	17,770	14.2	42	2.4	34	1.9	8	0.5
Mother's education unknown	514	0.4	15	–	13	–	2	–
Marital Status of Mother†								
Not married	54,628	43.8	346	6.3	231	4.2	115	2.1
Married	70,163	56.2	230	3.3	158	2.3	72	1.0
Mother's Birthplace								
US born, including territories	61,410	49.2	334	5.4	232	3.8	102	1.7
Foreign born	63,347	50.8	240	3.8	155	2.4	85	1.3
Birthplace unknown	34	0.0	2	–	2	–	0	–
Primary Payer for This Birth‡								
Medicaid/Family Plus/Child PlusB/other govt	74,537	59.7	388	5.2	250	3.4	138	1.9
Other	49,440	39.6	180	3.6	135	2.7	45	0.9
Coverage unknown	814	0.7	8	–	4	–	4	–
Parity								
First birth	56,559	45.3	233	4.1	164	2.9	69	1.2
Second birth or higher	68,121	54.6	340	5.0	222	3.3	118	1.7
Unknown	111	0.1	36	–	17	–	19	–
First Prenatal Care Visit								
No prenatal care	823	0.7	39	47.4	32	38.9	7	8.5
First trimester (1-3 months)	85,578	68.6	336	3.9	229	2.7	107	1.3
Second trimester (4-6 months)	26,767	21.4	121	4.5	76	2.8	45	1.7
Late (7-9 months)	7,948	6.4	35	4.4	17	2.1	18	2.3
Prenatal care unknown	3,675	2.9	45	–	35	–	10	–
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI < 18.5)	6,542	5.2	15	2.3	10	1.5	5	0.8
Normal weight (18.5 ≤ BMI < 25)	66,186	53.0	233	3.5	149	2.3	84	1.3
Overweight (25 ≤ BMI < 30)	29,034	23.3	171	5.9	119	4.1	52	1.8
Obese (BMI ≥ 30)	20,738	16.6	126	6.1	88	4.2	38	1.8
Pre-pregnancy BMI unknown	2,291	1.8	64	–	37	–	27	–

* See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.

† See Technical Notes: Births, Mother's Marital Status.

‡ See Technical Notes: Births, Birth Reporting.

INFANT MORTALITY, TECHNICAL NOTES, 2010

INFANT MORTALITY

The infant mortality rate is 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 counted in the numerator were born in the preceding year, and some counted in the denominator will die in the following year. The same definition applies to geographic subdivisions included in some tables.

All characteristics of infant deaths are drawn from the death certificate, except mother's demographic, pregnancy, prenatal care, birth weight, and gestational age information, which derive from the child's birth certificate. Infants who died in New York City who were born elsewhere are classified as unmatched in Table I2.

VITAL EVENT REPORTING

Data on births and deaths are based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH). In 2010, the vast majority of birth and death certificates were filed electronically through the Electronic Vital Events Registration System (EVERS). Vital event data are based on the year they occurred in New York City to both residents and non-residents. Any events registered after file closure are excluded from this report. Such late registrations are rare.

DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS

Race, Ancestry, and Ethnic Group

Mother's ethnic group is determined from mother's ancestry and race reported on the infant's birth certificate. In the absence of corresponding birth certificate for an infant death, the infant's race and ancestry information on the infant's death certificate is used to assign an ethnic group.

Race and ancestry are two separate items on the certificates. Parents report this information on the birth certificate, while a relative of the decedent usually reports this information to the funeral director on the death certificate. Prior to June 1993, race and ancestry information was provided by the certifying physician.

As of 2003 and 2008, the death and birth certificates respectively allow for the selection of multiples race. Responses are coded following rules from the National Center for Health Statistics (NCHS). The ordered selection rules for defining ethnic group first assign 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 and Pacific Islander, non-Hispanic white, non-Hispanic black, and other/multiple race/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. New York City receives enough certificates with ancestry reported as Jewish or Hebrew to warrant inclusion in these tables, notwithstanding the religious meaning of the terms. Persons whose race is black and whose ancestry is American are classified as being of African American ancestry.

Birthplace

Starting in 2007, mother's birthplace is categorized as: "United States, including its territories," "Foreign," and "Not Stated." "United States, including its territories" includes Puerto Rico, the US Virgin Islands, and Guam. If mother's birthplace is classified by country-specific categories, Puerto Rico is categorized apart from the United States.

GEOGRAPHICAL UNITS

Borough of Residence

Borough of residence and other geographic classifications are based on the usual residence reported on the certificate.

Community District (CD)

Community districts were established by City Charter in 1969 for the delivery of city services. The sum of the community district populations in each borough may not equal the borough population or the citywide population because community districts may cross borough boundaries. Since 1985, assignments to geographic areas smaller than borough, such as community district, are made through the Geosupport Program, which is developed and maintained by the Department of City Planning. Additional information on community district geography can be found at www.nyc.gov/dcp.

DEATHS

Death Reporting

Death certificates must be filed within 72 hours of death or finding the body. In 2010, 83% of death certificates were submitted through the Electronic Death Registration System (EDRS). Additional information on EDRS is available at: www.

nyc.gov/evers.

Cause of Death Reporting

The cause of death on the death certificate is provided by a physician or medical examiner. The physician is required to report the complete sequence of events and/or medical conditions leading to the death. These include the following:

immediate cause – the specific condition that directly preceded the death;

intermediate cause(s) – the significant condition(s) that preceded and gave rise to the immediate cause of death and

underlying cause – the disease or condition that set off the chain of events leading to death.

For further information on how cause of death should be documented, visit www.nyc.gov/evers.

Cause of Death Coding

Since 2007, most reported causes of death are coded using the NCHS automated coding software package SuperMICAR, which classifies conditions according to the International Classification of Diseases (ICD) published by the World Health Organization. Select external causes are manually coded by a nosologist trained to code according to the ICD system. Whether automated or manual, a single underlying cause is assigned based on the reported chain of events leading to death. Standardized codes allow for national and international comparisons. Any causes of death that cannot go through SuperMICAR are coded by nosologists.

Death trends across ICD code revision years may partially reflect artifacts of changes in ICD codes or coding rules. The ICD codes need to be adjusted by comparability ratios between revisions or should be interpreted with caution.

External Causes of Death

External causes of death include accidents, suicide, assault, legal intervention, events of undetermined intent, operations of war and their sequelae, and complications of medical and surgical care. The Office of the Chief Medical Examiner determines the cause and manner of death in such cases. For the purpose of statistical analysis, whether a cause is defined as external depends on the ICD code assigned as the underlying cause of death and may not agree with the manner of death reported.

Sometimes a cause of death has not been established when the statistical file is closed. Such deaths are classified as "pending final determination" and may later be classified.

Deaths classified as "events of undetermined intent" are considered due to external causes for the purpose of statistical analysis.

BIRTHS

Birth Reporting

All births must be filed within five business days of the event. Data are generally collected using two worksheets: mother/parent and facility worksheet. Guides for the completion of the birth certificate and data entry can be found at http://www.nyc.gov/evers. Effective January 2008, the Bureau of Vital Statistics requires all hospitals registering more than 100 births per year to use the Electronic Birth Registration System (EBRS); in 2010, 99.6% of all births were registered electronically.

Mother's Marital Status

The New York City DOHMH is prohibited by local law from recording mother's marital status on the record or report of birth. For this summary, these data are estimated and should be interpreted with caution. Since 1997, marital status is computed using the following algorithm: certificates without the father's name and those with the father's name that are accompanied by an Acknowledgement of Paternity are categorized as non-married; all others are categorized as married.

Teen Births

Teen birth counts include all births occurring to women under the age of 20.

Gestational Age

Gestational age, or clinical estimate of gestation, is defined as the best obstetric estimate of the infant's gestation in completed weeks based on the birth attendant's final estimate. Characteristics of live births and/or infant deaths in the tables include either gestational age categories or a dichotomous indicator of preterm (< 37 weeks gestation) birth. In 2007, the range for valid gestational age was changed from 20-44 weeks to 17-47 weeks.

Pregnancy Outcomes Contents

Pregnancy Outcomes Overview

All pregnancies are reportable in New York City, whether they result in a live birth or a spontaneous or induced termination. This report is a compilation of the information reported about these events and is prepared to monitor trends in the health of women and their infants in New York City.

Select Key Findings From This Report:

- Overall, 124,791 live births occurred citywide during 2010, down 1.6% from 126,774 in 2009 (Figure PO3).
- The number of live births has remained relatively stable from 2001 to 2010, ranging from a high of 128,961 in 2007 to a low of 122,937 in 2002 (Figure PO3).
- Births to all racial/ethnic groups have declined within the last 10 years, with the exception of Asians and Pacific Islanders and women of multiple races (Figure PO3).
- From 2001 to 2010, the percentage of live births to teenagers decreased 29.8%, from 8.4% to 5.9%. (Figure PO4).
- The number of induced terminations of pregnancy has been declining in the last three years, down 7.8% from 90,870 in 2007 to 83,750 in 2010 (Figure PO6).

Additional birth trend data are available in the New York City Birth and Infant Mortality Trend Report, available online at http://nyc.gov/html/doh/html/ms/ms-bimt.shtml.

Table PO1. Live Births by Borough of Birth* and Institution, New York City, 2010

Borough and Institution	Births
Manhattan	
Allen Hospital	2,314
Bellevue Hospital Center	1,888
Beth Israel Medical Center	3,940
Columbia Presbyterian Medical Center	4,474
Harlem Hospital Center	1,146
Lenox Hill Hospital	3,970
Metropolitan Hospital Center	1,447
Mount Sinai Hospital	6,244
New York Downtown Hospital	2,428
New York Weill Cornell Medical Center	5,868
NYU Hospital Center - Tisch Hospital	4,558
St. Luke's - Roosevelt Hospital Center / Roosevelt Hospital Division	6,475
St. Vincent's Hospital Manhattan	453
Places other than a hospital or home**	22
Home†	139
Bronx	
Bronx Lebanon Hospital Center	2,541
Jack D. Weiler Hospital of the Albert Einstein College of Medicine	4,308
Jacobi Medical Center	2,229
Lincoln Medical and Mental Health Center	2,548
Montefiore Medical Center, Henry & Lucy Moses Division	4
Montefiore Medical Center, North Division	2,567
North Central Bronx Hospital	1,709
St. Barnabas Hospital	1,139
Women's Health & Birthing Pavilion	55
Places other than a hospital or home**	21
Home†	83
Brooklyn	
Beth Israel, Kings Highway Division	2
Brookdale University Hospital and Medical Center	1,608
Brooklyn Birthing Center	106
Brooklyn Hospital Center	2,330
Coney Island Hospital	1,289
Kings County Hospital Center	2,723
Kingsbrook Jewish Medical Center	1
Long Island College Hospital	1,641
Lutheran Medical Center	4,163
Maimonides Medical Center	7,753
New York Methodist Hospital	5,243
University Hospital of Brooklyn	1,585
Woodhull Medical and Mental Health Center	2,164
Wyckoff Heights Medical Center	1,498
Places other than a hospital or home**	32
Home†	375
Foundling‡	1
Queens	
Elmhurst Hospital Center	3,805
Flushing Hospital Medical Center	2,723
Forest Hills Hospital	2,284
Jamaica Hospital Medical Center	2,646
Long Island Jewish Medical Center	4,870
Peninsula Hospital Center	1
New York Hospital Medical Center of Queens	4,102
Queens Hospital Center	2,080
St. John's Episcopal Hospital	874
Places other than a hospital or home**	28
Home†	110
Staten Island	
Richmond University Medical Center	3,101
Staten Island University Hospital	3,064
Places other than a hospital or home**	7
Home†	12
New York City Total	124,791

* Live births are presented by borough of birth beginning 2010; in prior years they were reported by borough of report.

** Places other than a hospital or home include ambulances, taxis, and airplanes.

† See Technical Notes: Geographical Units, Place of Birth.

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

Table PO2. Live Births by Ancestry of Mother and Borough of Residence, New York City, 2010

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	124,791	19,646	21,258	41,469	26,955	5,580	9,879	4
Hispanic								
Colombian	1,204	93	62	138	778	35	98	–
Cuban	281	66	44	73	50	4	44	–
Dominican	10,960	2,443	4,973	1,555	1,468	98	423	–
Ecuadorian	3,396	193	447	582	2,050	46	78	–
Mexican	8,294	912	1,871	2,602	2,353	482	74	–
Puerto Rican	9,581	1,175	3,987	2,324	1,205	502	387	1
Other Hispanic	5,629	603	1,250	1,352	1,864	221	339	–
North American and the Caribbean								
African American	15,721	1,594	3,806	6,706	2,415	526	673	1
American	9,333	2,120	267	3,577	1,098	946	1,325	–
Guyanese	1,587	26	141	464	881	6	69	–
Haitian	1,678	55	60	1,045	375	20	123	–
Jamaican	2,157	59	544	786	610	17	141	–
Trinidadian	923	15	55	427	371	12	43	–
Other North American and the Caribbean	1,839	212	275	892	301	31	128	–
European								
English	1,681	782	48	470	120	11	250	–
German	913	322	19	220	105	53	194	–
Irish	2,142	581	75	464	339	203	480	–
Italian	3,631	669	161	778	439	905	679	–
Polish	1,291	201	15	365	489	101	120	–
Russian	1,744	292	27	811	315	128	171	–
Other European	4,354	1,018	289	1,455	790	271	531	–
Asian								
Asian Indian	2,096	373	78	201	912	58	474	–
Bangladeshi	1,771	49	294	402	983	5	38	–
Chinese	8,058	1,425	75	3,515	2,468	136	438	1
Filipino	930	145	51	112	401	56	165	–
Korean	1,171	326	23	121	526	19	156	–
Pakistani	1,439	54	82	636	482	72	113	–
Other Asian	4,854	913	280	1,659	1,437	194	371	–
Other								
Jewish or Hebrew	6,732	599	65	5,115	291	94	568	–
Other or not stated	9,401	2,331	1,894	2,622	1,039	328	1,186	1

Note: See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.

Table PO3. Live Births by Mother's Racial/Ethnic Group and Age, New York City, 2010

Ethnic Group	Total	Age of Mother (Years)								
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	Not Stated
Total	124,791	102	2,193	5,014	23,888	31,826	34,567	20,781	6,419	1
Puerto Rican	9,581	16	420	890	2,789	2,467	1,839	897	263	–
Other Hispanic	29,764	46	929	1,877	7,389	8,117	6,838	3,566	1,002	–
Asian and Pacific Islander	18,047	2	35	139	2,105	5,454	5,975	3,460	877	–
Non-Hispanic white	37,780	2	91	434	4,940	8,156	12,795	8,579	2,783	–
Non-Hispanic black	26,635	35	687	1,578	6,233	6,917	6,195	3,694	1,296	–
Non-Hispanic other	320	–	3	11	80	89	79	43	15	–
Non-Hispanic of two or more races	2,399	–	22	67	289	559	787	505	170	–
Not stated*	265	1	6	18	63	67	59	37	13	1

* See Technical Notes: Births, Birth Data Quality.

Table PO4. Selected Characteristics of Live Births, Overall and by Age of Mother, New York City, 2010

		Age of Mother (Years)								
	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	≥ 40	Not Stated
Total Live Births	124,791	102	2,193	5,014	23,888	31,826	34,567	20,781	6,419	1
Sex										
Male	64,076	56	1,136	2,570	12,173	16,284	17,780	10,768	3,309	–
Female	60,715	46	1,057	2,444	11,715	15,542	16,787	10,013	3,110	1
First Live Birth*										
Yes	56,559	100	2,068	4,175	14,151	13,678	13,656	6,686	2,045	–
No	68,121	2	123	833	9,719	18,115	20,887	14,074	4,368	–
Unknown	111	–	2	6	18	33	24	21	6	1
Pre-pregnancy Body Mass Index (BMI)										
Underweight (BMI < 18.5)	6,542	10	160	323	1,519	1,790	1,665	892	183	–
Normal weight (18.5 ≤ BMI < 25)	66,186	61	1,173	2,602	12,075	16,400	19,008	11,471	3,396	–
Overweight (25 ≤ BMI < 30)	29,034	19	515	1,170	5,621	7,550	7,813	4,757	1,589	–
Obese (BMI ≥ 30)	20,738	10	283	785	4,139	5,513	5,558	3,308	1,142	–
Unknown	2,291	2	62	134	534	573	523	353	109	1
Birthweight at Delivery (Grams)										
< 1500	2,014	2	40	82	361	430	579	364	156	–
1500-2499	8,923	11	189	372	1,661	2,040	2,365	1,634	651	–
2500-3999	106,057	87	1,890	4,374	20,693	27,366	29,239	17,257	5,151	–
≥ 4000	7,795	2	74	186	1,173	1,989	2,384	1,526	461	–
Not stated	2	–	–	–	–	1	–	–	–	1
Gestational Age (Weeks)†										
< 32	2,144	1	49	91	407	441	631	375	149	–
32-36	9,807	12	181	368	1,688	2,242	2,658	1,881	777	–
≥ 37	112,791	89	1,962	4,551	21,782	29,126	31,269	18,519	5,493	–
Unknown	49	–	1	4	11	17	9	6	–	1
Plurality										
Single	119,822	100	2,169	4,909	23,284	30,773	33,075	19,611	5,901	–
Twin	4,754	2	21	99	589	1,012	1,424	1,116	491	–
Triplet	190	–	3	6	15	33	56	50	27	–
Quadruplet	22	–	–	–	–	7	11	4	–	–
Sextuplet	1	–	–	–	–	–	1	–	–	–
Unknown/not stated	2	–	–	–	–	1	–	–	–	1
Apgar Score at 5 Minutes										
≤ 6	995	1	25	64	198	210	274	163	60	–
7	943	2	18	50	191	210	254	153	65	–
8	4,942	2	116	211	1,029	1,139	1,271	825	349	–
9	114,938	94	1,972	4,566	21,867	29,484	31,992	19,150	5,813	–
10	2,677	3	56	114	538	697	702	449	118	–
Not stated	296	–	6	9	65	86	74	41	14	1
Method of Delivery										
Vaginal	81,368	86	1,748	3,869	17,545	21,626	21,755	11,787	2,952	–
Vaginal after any prior C-section	2,046	–	6	24	299	569	605	407	136	–
Primary C-section	26,066	16	416	975	4,401	6,046	7,299	4,874	2,039	–
Repeat C-section	14,918	–	15	132	1,568	3,472	4,815	3,643	1,273	–
Unknown	393	–	8	14	75	113	93	70	19	1
Place of Birth										
Home	719	–	5	9	79	180	240	146	60	–
Voluntary hospital	100,757	62	1,493	3,391	17,572	25,311	29,357	18,053	5,518	–
Municipal hospital	23,025	40	692	1,605	6,178	6,250	4,883	2,541	836	–
Birthing center	176	–	1	7	33	46	56	30	3	–
Other	114	–	2	2	26	39	31	11	2	1
Attendant										
Physician	112,835	82	1,858	4,212	20,725	28,546	31,920	19,459	6,033	–
Certified nurse midwife	11,493	20	325	783	3,058	3,150	2,525	1,268	364	–
Other	463	–	10	19	105	130	122	54	22	1
Primary Payer for this Birth‡										
Medicaid/Family Plus/Child Health Plus B/Other govt.	74,537	89	1,896	4,473	20,458	21,651	15,612	8,014	2,344	–
Private	46,715	6	169	311	2,628	9,278	18,112	12,294	3,917	–
Self-pay	1,868	3	74	131	480	476	400	230	74	–
Other	857	2	25	39	142	245	236	126	42	–
Not stated	814	2	29	60	180	176	207	117	42	1
First Visit for Prenatal Care										
First trimester (1-3 months)	85,578	33	932	2,568	14,443	21,657	25,632	15,606	4,707	–
Second trimester (4-6 months)	26,767	40	797	1,554	6,334	6,999	6,196	3,638	1,209	–
Late (7-9 months)	7,948	19	307	590	1,976	2,080	1,733	950	293	–
No care	823	1	39	73	214	204	151	100	41	–
Not stated	3,675	9	118	229	921	886	855	487	169	1
Marital Status of Mother§										
Not married	54,628	102	2,125	4,413	15,598	14,647	10,423	5,462	1,857	1
Married	70,163	–	68	601	8,290	17,179	24,144	15,319	4,562	–
Education Level										
11th grade or less/12th grade no diploma	29,726	102	1,963	2,577	7,729	7,839	5,574	3,008	934	–
High school graduate or GED	27,950	–	210	1,757	8,061	7,658	5,899	3,293	1,072	–
Some college/associate degree	26,610	–	7	644	6,391	7,945	6,726	3,740	1,157	–
Bachelor's degree	22,221	–	–	12	1,288	5,433	8,558	5,341	1,589	–
Master's degree or higher	17,770	–	–	–	300	2,821	7,691	5,316	1,642	–
Not stated	514	–	13	24	119	130	119	83	25	1
Birthplace of Mother										
United States, including its territories	61,410	75	1,628	3,472	13,478	13,860	16,114	9,757	3,025	1
Foreign	63,347	27	565	1,538	10,397	17,959	18,448	11,020	3,393	–
Not stated	34	–	–	4	13	7	5	4	1	–

* See Technical Notes: Births, Birth Data Quality.

† See Technical Notes: Gestational Age.

‡ See Technical Notes: Births, Birth Reporting.

§ See Technical Notes: Mother's Marital Status.

Table PO5. Selected Characteristics of Live Births by Mother's Racial/Ethnic Group, New York City, 2010

		Racial/Ethnic Group of Mother*							
	Total	Puerto Rican	Other Hispanic	Asian	Non-Hispanic White	Non-Hispanic Black	Other	Non-Hispanic, Two or More Races	Not Stated
Total Live Births	124,791	9,581	29,764	18,047	37,780	26,635	320	2,399	265
Sex									
Male	64,076	4,912	15,103	9,387	19,478	13,658	153	1,240	145
Female	60,715	4,669	14,661	8,660	18,302	12,977	167	1,159	120
First Live Birth†									
Yes	56,559	4,255	12,487	9,090	17,581	11,632	144	1,271	99
No	68,121	5,320	17,253	8,947	20,185	14,958	176	1,124	158
Unknown	111	6	24	10	14	45	–	4	8
Pre-pregnancy Body Mass Index (BMI)									
Underweight (BMI < 18.5)	6,542	336	859	2,085	2,219	869	26	140	8
Normal weight (18.5 ≤ BMI < 25)	66,186	3,783	14,021	12,096	24,777	9,860	145	1,431	73
Overweight (25 ≤ BMI < 30)	29,034	2,618	8,682	2,786	6,721	7,631	78	478	40
Obese (BMI ≥ 30)	20,738	2,736	5,438	916	3,567	7,665	67	320	29
Unknown	2,291	108	764	164	496	610	4	30	115
Birthweight at Delivery (grams)									
< 1500	2,014	185	345	217	381	826	10	39	11
1500-2499	8,923	799	1,752	1,318	2,223	2,566	36	209	20
2500-3999	106,057	8,038	25,637	15,802	32,246	21,873	267	1,977	217
≥ 4000	7,795	559	2,030	710	2,930	1,370	7	174	15
Not stated	2	–	–	–	–	–	–	–	2
Gestational Age (weeks)‡									
< 32	2,144	223	392	215	418	842	11	34	9
32-36	9,807	925	2,150	1,272	2,471	2,717	49	201	22
≥ 37	112,791	8,429	27,205	16,556	34,886	23,064	260	2,163	228
Unknown	49	4	17	4	5	12	–	1	6
Plurality									
Single	119,822	9,181	29,014	17,507	35,696	25,613	303	2,256	252
Twin	4,754	382	730	511	1,988	975	17	140	11
Triplet	190	18	20	29	81	39	–	3	–
Quadruplet	22	–	–	–	14	8	–	–	–
Sextuplet	1	–	–	–	1	–	–	–	–
Unknown/not stated	2	–	–	–	–	–	–	–	2
Apgar Score at 5 Minutes									
≤ 6	995	92	188	110	200	373	4	23	5
7	943	87	164	95	233	335	5	23	1
8	4,942	470	1,037	503	1,233	1,567	17	107	8
9	114,938	8,661	27,585	16,875	35,343	23,759	284	2,194	237
10	2,677	246	719	447	722	478	9	47	9
Not stated	296	25	71	17	49	123	1	5	5
Method of Delivery									
Vaginal	81,368	6,179	19,655	11,731	25,679	16,195	200	1,564	165
Vaginal after any prior C-section	2,046	121	466	275	748	399	2	31	4
Primary C-section	26,066	2,066	5,530	3,825	7,556	6,412	67	551	59
Repeat C-section	14,918	1,182	4,023	2,093	3,741	3,551	48	249	31
Unknown	393	33	90	123	56	78	3	4	6
Place of Birth									
Home	719	38	78	36	376	156	2	29	4
Voluntary hospital	100,757	7,515	20,260	15,467	36,100	18,905	282	1,998	230
Municipal hospital	23,025	1,998	9,359	2,533	1,210	7,500	36	362	27
Birthing center	176	21	36	4	66	39	–	8	2
Other	114	9	31	7	28	35	–	2	2
Attendant									
Physician	112,835	8,511	26,102	17,188	34,599	23,839	299	2,063	234
Certified nurse midwife	11,493	1,022	3,547	828	3,098	2,627	20	326	25
Other	463	48	115	31	83	169	1	10	6
Primary Payer for this Birth§									
Medicaid/Family Plus/Child Health Plus B/Other govt.	74,537	6,828	24,008	10,835	12,766	18,806	176	942	176
Private	46,715	2,449	4,887	6,934	24,422	6,423	133	1,405	62
Self-pay	1,868	182	456	140	280	756	7	31	16
Other	857	75	168	77	176	353	1	7	–
Not stated	814	47	245	61	136	297	3	14	11
First Visit for Prenatal Care									
First trimester (1-3 months)	85,578	6,129	19,135	12,709	29,601	15,801	190	1,887	126
Second trimester (4-6 months)	26,767	2,334	7,370	3,970	6,084	6,546	97	307	59
Late (7-9 months)	7,948	642	2,118	957	1,270	2,787	17	125	32
No care	823	62	236	74	131	297	1	17	5
Not stated	3,675	414	905	337	694	1,204	15	63	43
Marital Status of Mother‖									
Not married	54,628	7,298	19,954	3,313	4,535	18,565	126	663	174
Married	70,163	2,283	9,810	14,734	33,245	8,070	194	1,736	91
Education Level									
11th grade or less/12th grade, no diploma	29,726	3,280	12,334	4,477	3,078	6,213	52	227	65
High school graduate or GED	27,950	2,473	7,221	3,303	7,247	7,201	101	371	33
Some college/associate degree	26,610	2,720	6,419	2,717	5,931	8,211	92	488	32
Bachelor's degree	22,221	709	2,509	4,386	10,639	3,242	47	672	17
Master's degree or higher	17,770	387	1,182	3,146	10,788	1,583	27	634	23
Not stated	514	12	99	18	97	185	1	7	95
Birthplace of Mother									
United States, including its territories	61,410	9,522	7,078	1,713	26,184	15,133	107	1,493	180
Foreign	63,347	56	22,682	16,333	11,587	11,494	213	906	76
Not stated	34	3	4	1	9	8	–	–	9

* See Technical Notes: Demographic Characteristics of Vital Events, Birthplace.

† See Technical Notes: Births, Birth Data Quality.

‡ See Technical Notes: Births, Gestational Age.

§ See Technical Notes: Births, Birth Reporting.

‖ See Technical Notes: Mother's Marital Status.

Table PO6. Live Births by Selected Characteristics and Mother's Ancestry, New York City, 2010

Ancestry of Mother	Live Births	Percent of Total Live Births with Specified Characteristics								
		Foreign-born* Mother	First Live Birth	Low Birth Weight (<2,500 Grams)	Preterm Birth† (<37 Weeks)	Late or No Prenatal Care	Mother Not Married	On Medicaid‡	Pre-pregnancy Obesity§	Teenage Mother (<20 Years)
Total	124,791	50.8	45.4	8.8	9.6	7.2	43.8	60.1	16.9	5.9
Hispanic										
Colombian	1,204	70.2	54.4	6.3	8.0	6.1	49.5	58.7	14.1	6.6
Cuban	281	17.8	52.7	8.2	11.7	4.4	43.1	38.1	21.9	4.3
Dominican	10,960	70.5	48.4	7.8	8.7	8.6	68.0	79.3	19.2	10.4
Ecuadorian	3,396	84.8	36.5	5.1	7.3	9.4	58.0	84.7	15.3	7.5
Mexican	8,294	88.8	33.5	6.1	7.8	8.0	76.4	93.2	18.9	11.2
Puerto Rican	9,581	0.6	44.4	10.3	12.0	7.7	76.2	71.6	28.9	13.8
Other Hispanic	5,629	67.8	42.1	8.4	10.1	7.4	61.9	72.8	20.6	7.7
North America and the Caribbean										
African American	15,721	15.2	45.6	13.4	13.9	9.8	78.4	71.6	31.6	11.9
American	9,333	5.9	49.0	7.4	8.1	3.3	18.3	29.5	11.5	2.5
Guyanese	1,587	93.1	40.4	14.4	13.4	6.4	44.3	62.4	18.6	3.9
Haitian	1,678	82.7	45.0	12.2	14.7	15.1	46.7	68.2	25.2	2.3
Jamaican	2,157	93.2	41.6	12.3	14.2	14.3	65.4	66.2	28.2	4.5
Trinidadian	923	93.6	42.0	14.1	13.0	12.1	54.9	70.3	21.7	4.8
Other North America and the Caribbean	1,839	85.9	48.8	9.8	11.0	14.3	50.5	55.5	24.0	3.0
European										
English	1,681	27.6	62.4	6.6	7.1	2.3	10.2	6.0	4.1	0.1
German	913	21.0	59.8	7.6	8.1	1.6	10.7	9.0	6.7	0.7
Irish	2,142	10.9	57.4	7.0	8.0	2.6	14.8	12.0	9.1	0.7
Italian	3,631	7.0	52.6	8.2	10.1	2.7	16.6	14.5	15.7	1.3
Polish	1,291	68.6	53.7	7.8	7.8	2.7	17.3	38.4	7.3	0.6
Russian	1,744	80.3	52.3	7.5	7.7	4.3	20.9	37.6	6.4	0.7
Other European	4,354	63.6	52.3	6.4	7.3	4.6	15.1	33.4	8.1	1.0
Asian										
Asian Indian	2,096	83.9	55.4	11.7	9.0	5.3	9.6	34.5	7.4	0.6
Bangladeshi	1,771	98.3	37.8	13.4	10.2	9.6	9.0	83.6	10.3	1.2
Chinese	8,058	91.8	51.3	6.0	6.8	3.6	24.7	69.7	1.6	0.6
Filipino	930	77.4	55.8	12.2	11.8	6.0	21.3	24.0	6.8	1.9
Korean	1,171	84.1	62.8	5.6	6.1	4.2	10.8	36.2	2.2	0.2
Pakistani	1,439	94.5	40.5	9.8	10.6	10.9	5.6	80.1	13.1	1.8
Other Asian	4,854	88.1	45.8	7.4	7.3	9.0	13.8	54.2	7.5	2.8
Other										
Jewish or Hebrew	6,732	16.4	29.6	5.9	5.8	2.1	3.7	61.3	9.5	1.5
Other or Not Stated	9,401	51.3	41.6	9.3	10.2	11.5	30.9	51.0	17.0	2.4

Note: See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.

* Beginning in 2006, US Virgin Islands and Guam are not included in the Foreign-born Mother category.

† Clinical gestational age <37 completed weeks.

‡ Due to revision of the birth certificate, since 2008 "On Medicaid" also includes Family Health Plus, Other government, and Child Health Plus B.

§ See Technical Notes: Births, Birth Data Quality.

Table PO7. Live Births by Selected Characteristics and Community District of Residence, New York City, 2010

Community District of Residence	Live Births	Rate*	Percent of Total Live Births With Specified Characteristics							
			Hispanic Mother	Foreign-Born Mother †	First Live Birth	Low Birthweight (<2,500 Grams)	Preterm Birth ‡ (<37 Weeks)	Late or No Prenatal Care	On Medicaid§	Pre-pregnancy Obesity
NEW YORK CITY	124,791	15.3	35.0	50.8	45.4	8.8	9.6	7.2	60.1	16.9
MANHATTAN	19,502	12.3	31.6	42.9	57.6	8.7	9.1	5.3	38.1	11.1
Battery Park, Tribeca (01)	1,086	17.8	8.8	41.3	62.4	8.5	8.1	2.7	5.8	2.4
Greenwich Village, SOHO (02)	814	9.0	6.3	41.5	64.3	6.0	5.8	3.1	14.1	1.5
Lower East Side (03)	1,807	11.1	24.5	56.8	52.2	6.5	7.6	4.7	68.6	11.2
Chelsea, Clinton (04)	921	8.9	17.2	39.6	66.1	8.9	9.7	5.3	23.7	6.2
Midtown Business District (05)	569	11.0	8.2	44.8	68.5	8.4	8.6	3.0	9.0	3.6
Murray Hill (06)	1,268	8.9	8.9	37.4	67.1	8.0	7.3	3.7	6.2	3.4
Upper West Side (07)	2,833	13.5	15.9	32.6	59.7	8.3	8.4	3.2	13.3	5.2
Upper East Side (08)	2,759	12.5	7.6	32.9	63.0	9.2	9.2	3.3	7.1	3.5
Manhattanville (09)	1,369	12.4	56.2	53.8	53.1	8.7	9.1	6.6	65.9	19.8
Central Harlem (10)	1,716	14.8	25.4	37.8	48.1	11.4	11.6	11.2	65.6	24.8
East Harlem (11)	1,708	14.2	59.3	38.9	45.6	10.7	12.5	8.2	71.6	26.0
Washington Heights (12)	2,652	14.0	81.8	59.4	55.4	8.1	8.8	6.5	69.8	16.3
BRONX	21,402	15.5	60.8	50.2	43.4	9.8	10.2	11.4	78.5	24.9
Mott Haven (01)	1,716	18.8	72.0	43.5	40.1	9.7	10.1	9.9	87.1	26.5
Hunts Point (02)	962	18.4	72.1	44.6	40.2	10.0	9.7	13.2	83.7	27.5
Morrisania (03)	1,476	18.5	56.2	40.3	41.8	9.6	9.8	12.5	84.7	27.8
Concourse, Highbridge (04)	2,774	18.9	64.6	61.2	41.9	9.8	10.2	11.1	82.7	27.0
University/Morris Heights (05)	2,430	19.0	68.5	56.3	43.8	9.8	10.8	11.2	82.8	24.3
East Tremont (06)	1,427	17.1	67.6	38.5	38.4	10.4	10.4	11.7	85.9	26.5
Fordham (07)	2,372	17.0	70.2	58.6	42.0	9.1	10.8	8.8	80.4	24.3
Riverdale (08)	1,247	12.3	64.8	49.5	48.0	8.1	8.2	6.6	54.5	16.1
Unionport, Soundview (09)	2,623	15.2	60.0	45.7	44.0	9.8	10.1	12.2	77.0	24.7
Throgs Neck (10)	1,006	8.4	51.8	37.3	48.6	10.4	11.3	10.3	60.8	23.3
Pelham Parkway (11)	1,343	11.9	52.5	52.8	47.4	8.3	10.0	11.3	70.2	19.7
Williamsbridge (12)	2,025	13.3	28.1	52.3	46.4	11.6	10.9	16.4	77.1	28.3
BROOKLYN	41,469	16.6	25.0	48.1	41.6	8.4	9.4	6.2	68.0	17.2
Williamsburg, Greenpoint (01)	3,314	19.1	27.4	21.1	36.4	4.9	5.2	3.8	67.2	12.1
Fort Greene, Brooklyn Heights (02)	1,580	15.9	15.0	27.9	60.9	8.6	9.2	3.4	25.6	10.6
Bedford Stuyvesant (03)	2,434	15.9	24.4	28.4	37.8	10.7	12.3	8.7	75.4	24.5
Bushwick (04)	1,934	17.2	76.8	57.2	41.8	7.7	9.8	7.2	84.1	23.8
East New York (05)	2,808	15.4	39.0	45.6	39.2	10.1	11.8	9.0	80.8	27.9
Park Slope (06)	1,806	17.2	18.7	24.2	57.4	8.4	8.7	2.9	19.5	9.5
Sunset Park (07)	2,926	23.2	38.1	76.4	45.9	6.0	7.1	3.3	80.2	9.3
Crown Heights North (08)	1,408	14.6	13.9	39.6	46.0	11.2	12.8	7.4	63.5	23.6
Crown Heights South (09)	1,678	17.0	9.8	49.3	44.0	8.3	9.3	7.6	71.5	20.3
Bay Ridge (10)	1,723	13.8	20.7	59.6	46.8	8.2	8.6	5.9	55.4	11.7
Bensonhurst (11)	2,322	12.8	21.8	74.2	44.6	7.5	8.1	4.7	67.4	11.7
Borough Park (12)	5,276	27.6	19.1	39.5	29.7	4.7	5.3	2.9	79.9	9.9
Coney Island (13)	1,234	11.8	28.8	60.7	42.9	9.7	11.3	8.2	72.7	18.2
Flatbush, Midwood (14)	2,728	17.0	22.8	59.1	40.7	9.3	10.2	6.7	68.5	16.8
Sheepshead Bay (15)	2,063	12.9	13.7	63.8	42.3	7.5	7.3	5.5	58.5	11.6
Brownsville (16)	1,445	16.7	20.8	31.1	38.5	14.6	15.7	10.5	81.6	29.6
East Flatbush (17)	2,205	14.2	8.0	63.7	42.1	12.7	14.4	13.0	74.7	29.5
Canarsie (18)	2,585	13.4	10.1	50.9	41.5	10.9	12.3	9.1	58.7	24.5
QUEENS	26,955	12.1	37.2	69.6	45.0	8.2	9.2	8.7	67.3	15.6
Astoria, Long Island City (01)	2,014	10.5	33.8	62.3	53.7	7.8	9.1	14.3	58.9	15.0
Sunnyside, Woodside (02)	1,583	14.0	39.2	73.8	53.9	7.1	8.3	10.4	60.3	10.4
Jackson Heights (03)	2,885	16.8	75.9	83.2	40.3	6.0	7.4	11.5	83.9	14.8
Elmhurst, Corona (04)	2,840	16.5	61.9	89.3	42.8	7.0	8.2	10.0	86.2	12.7
Ridgewood, Glendale (05)	2,065	12.2	46.5	63.2	45.7	6.8	7.3	7.4	62.6	14.1
Rego Park, Forest Hills (06)	1,257	11.1	14.6	71.9	53.0	6.6	6.1	4.2	34.3	7.5
Flushing (07)	2,499	10.1	20.5	82.2	48.0	6.2	8.1	4.5	70.1	6.4
Fresh Meadows, Briarwood (08)	1,699	11.2	19.5	67.8	44.6	9.1	10.3	6.3	55.3	13.1
Woodhaven (09)	1,927	13.4	48.2	69.0	42.0	8.6	9.5	6.3	71.5	17.8
Howard Beach (10)	1,345	11.0	29.6	64.8	43.1	10.0	10.3	6.8	63.3	18.6
Bayside (11)	691	5.9	15.0	66.4	43.6	6.9	7.7	3.7	44.2	9.6
Jamaica, St. Albans (12)	3,069	13.6	23.6	58.5	41.0	11.6	12.4	9.5	73.2	25.4
Queens Village (13)	1,721	9.1	12.9	61.0	44.2	11.6	10.9	9.1	59.5	22.0
The Rockaways (14)	1,352	11.8	27.0	35.1	39.3	10.0	11.8	12.4	68.5	25.9
STATEN ISLAND	5,580	11.9	25.9	35.4	40.4	8.4	9.7	3.8	43.0	20.9
Port Richmond (01)	2,602	14.8	37.9	40.0	38.6	9.2	9.9	4.9	58.0	24.1
Willowbrook, South Beach (02)	1,388	10.5	19.8	43.4	42.9	7.9	9.3	3.3	40.2	18.5
Tottenville (03)	1,577	9.8	10.9	20.7	41.3	7.6	10.0	2.6	21.2	17.8
NEW YORK CITY RESIDENTS	114,908	14.1	36.4	52.0	45.4	8.7	9.4	7.5	63.5	17.4
NON-RESIDENTS	9,879	-	17.4	36.2	45.4	10.0	11.1	4.7	20.5	11.5
RESIDENCE UNKNOWN	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.

* Rate per 1,000 population. For population information, see Technical Notes: Geographical Units, Community District.

† See Technical Notes: Birthplace.

‡ Clinical gestational age <37 completed weeks.

§ Due to revision of the birth certificate, since 2008 "On Medicaid" also includes Family Health Plus, Other government, and Child Health Plus B.

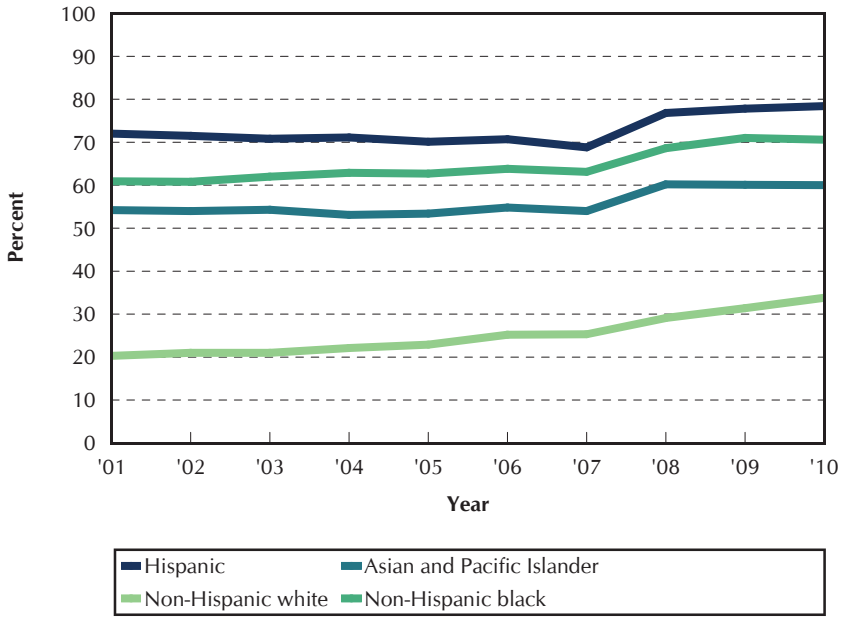
Table PO8. Live Births by Mother's Birthplace and Borough of Residence, New York City, 2010

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
United States	59,936	11,016	9,875	21,212	8,042	3,551	6,237	3
Dominican Republic	7,782	1,677	3,646	1,148	992	55	264	–
Mexico	7,407	797	1,648	2,289	2,174	448	51	–
China	6,893	1,129	58	3,190	2,141	90	285	–
Ecuador	2,910	148	360	490	1,847	28	37	–
Jamaica	2,862	65	729	1,098	766	26	178	–
Guyana	1,868	31	152	648	940	11	86	–
Bangladesh	1,762	51	295	406	973	6	31	–
Haiti	1,569	40	44	1,057	314	13	101	–
India	1,546	188	60	125	749	51	373	–
Puerto Rico	1,474	191	713	299	155	55	61	–
Trinidad and Tobago	1,438	32	77	786	467	26	50	–
Pakistan	1,334	49	77	595	451	67	95	–
Israel	1,032	201	13	546	128	31	113	–
Russia	972	144	19	480	167	77	85	–
Korea	952	234	19	85	482	15	117	–
Poland	889	66	8	254	449	69	43	–
Colombia	852	68	41	91	569	24	59	–
Ukraine	830	70	13	527	65	81	74	–
El Salvador	808	48	89	182	409	13	67	–
Honduras	786	40	362	172	170	23	19	–
Philippines	742	77	50	77	367	47	124	–
Ghana	687	28	502	67	39	25	26	–
Canada	646	246	12	252	48	4	84	–
Yemen Arab Republic	634	69	111	299	132	18	5	–
Other or Not Stated	16,180	2,941	2,285	5,094	3,919	726	1,214	1
Total	124,791	19,646	21,258	41,469	26,955	5,580	9,879	4

Table PO9. Live Births by Mother's Birthplace and Age, New York City, 2010

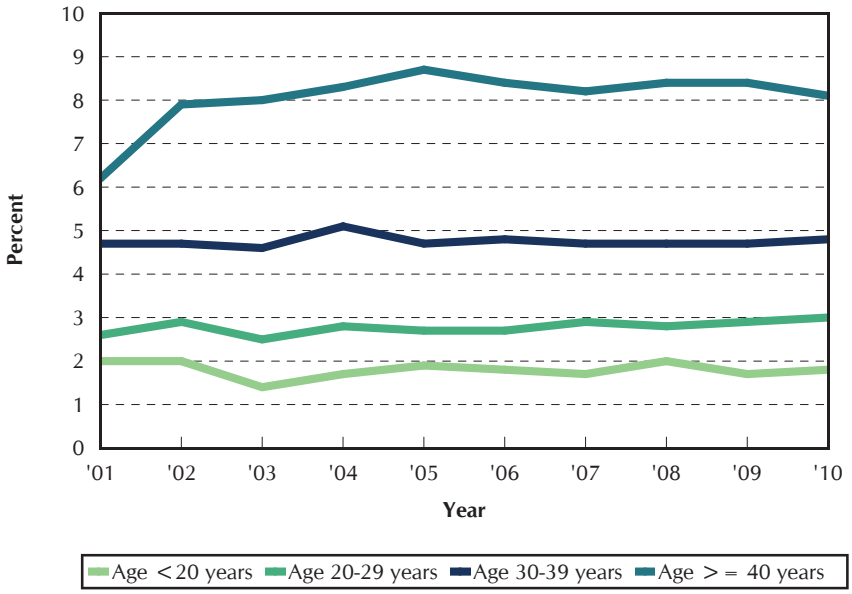
Birthplace	Total	Age of Mother (Years)						
		<20	20-24	25-29	30-34	35-39	≥40	Unknown
United States	59,936	5,016	13,107	13,492	15,775	9,578	2,967	1
Dominican Republic	7,782	568	1,874	2,138	1,894	983	325	–
Mexico	7,407	561	1,962	2,311	1,665	753	155	–
China	6,893	36	973	2,622	1,948	1,067	247	–
Ecuador	2,910	173	576	811	734	465	151	–
Jamaica	2,862	127	525	767	743	488	212	–
Guyana	1,868	59	328	502	549	330	100	–
Bangladesh	1,762	18	320	638	514	213	59	–
Haiti	1,569	24	167	365	508	382	123	–
India	1,546	4	145	490	631	232	44	–
Puerto Rico	1,474	159	371	368	339	179	58	–
Trinidad and Tobago	1,438	51	268	441	388	203	87	–
Pakistan	1,334	21	233	512	378	147	43	–
Israel	1,032	8	125	257	338	245	59	–
Russia	972	3	117	258	349	184	61	–
Korea	952	1	15	160	392	319	65	–
Poland	889	7	70	269	347	153	43	–
Colombia	852	43	127	202	253	172	55	–
Ukraine	830	10	76	249	297	165	33	–
El Salvador	808	41	156	237	224	121	29	–
Honduras	786	38	167	245	209	91	36	–
Philippines	742	13	41	154	267	192	75	–
Ghana	687	5	64	157	220	148	93	–
Canada	646	6	74	107	240	163	56	–
Yemen Arab Republic	634	67	184	158	124	56	45	–
Other or Not Stated	16,180	250	1,823	3,916	5,241	3,752	1,198	–
Total	124,791	7,309	23,888	31,826	34,567	20,781	6,419	1

Figure PO1. Percent of Live Births Covered by Medicaid, New York City, 2001-2010



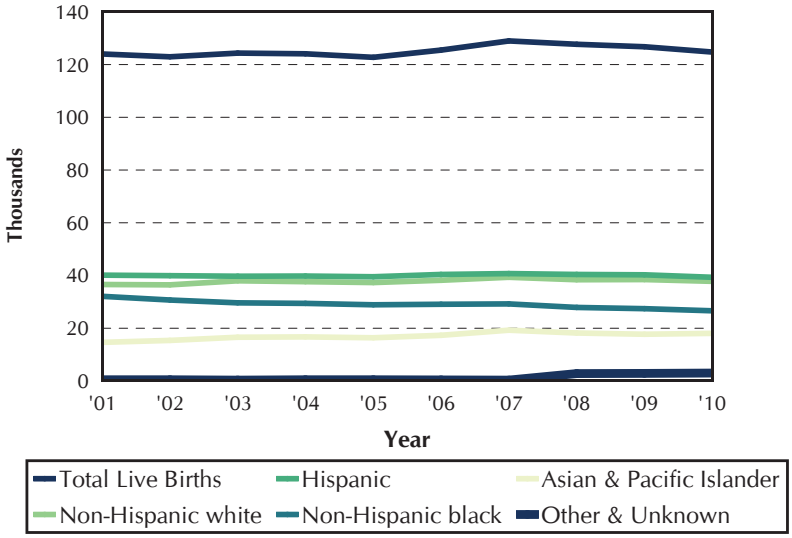
- Beginning 2008, percent of live births covered by Medicaid includes births covered by Family Health Plus, Child Health Plus B, and other government insurance as well as Medicaid enrollees because of a change in the way this information is collected on the birth certificate. This led to the appearance of a large increase in reported Medicaid coverage in 2008.
- From 2001 to 2010, the percentage of live births covered by Medicaid increased most in non-Hispanic whites. The percentage of live births covered by Medicaid increased 16% since the 2008 birth certificate change and 25% during the preceding seven years (2001 to 2007).

Figure PO2. Percent of Multiple Live Births by Mother's Age, New York City, 2001-2010



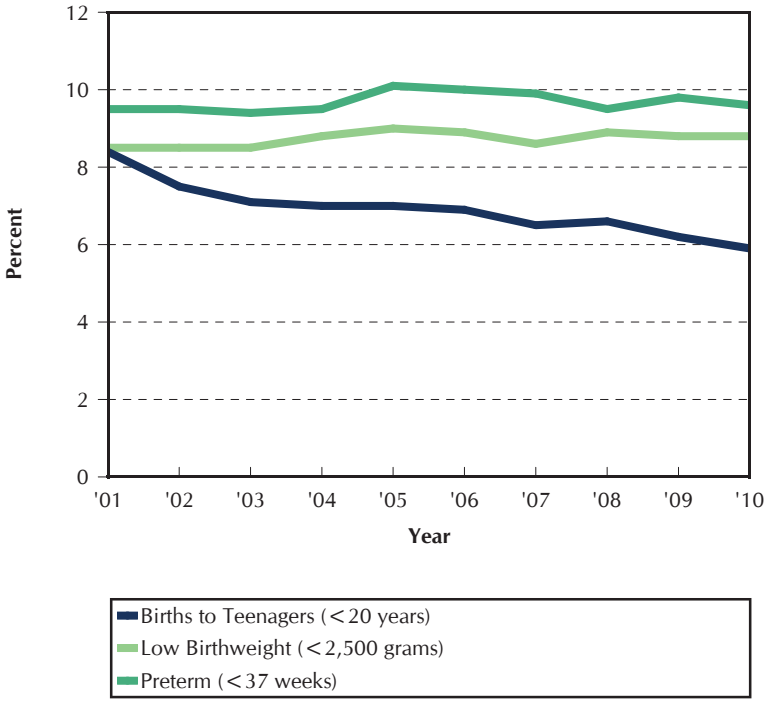
- Multiple births include twins, triplets, and higher order multiples.
- The percentage of multiple live births has remained relatively stable for women aged 40 years and older since 2002 in contrast to the sharp increase for this age group in the previous two decades due to advances in reproductive technology.
- The percentage of multiple live births increased in women aged 30-39 years (2%) and 20-29 years (15%) from 2001 to 2010.
- During the same time period, the percentage of multiple live births decreased slightly among women younger than 20 years.

Figure PO3. Live Births by Mother's Racial/Ethnic Group, New York City, 2001-2010



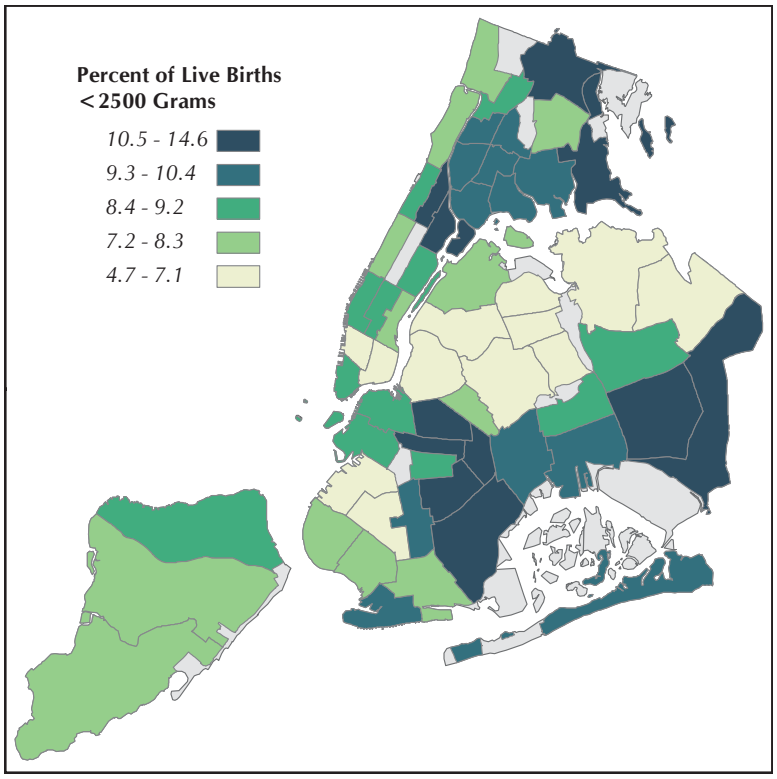
- Overall, 124,791 live births occurred citywide during 2010, down 1.6% from 126,774 in 2009.
- The number of live births has remained relatively stable from 2001 to 2010, ranging from a high of 128,961 in 2007 to a low of 122,937 in 2002.
- Over the past decade, the number of live births to non-Hispanic blacks has decreased by 17%. Non-Hispanic black women accounted for 21.3% of all live births in New York City in 2010, down from 25.9% in 2001.
- From 2001 to 2010, the number of live births among Asian and Pacific Islanders increased by 23.1%. This racial/ethnic group accounted for 14.5% of all live births in 2010 versus 11.8% in 2001.

Figure PO4. Percent of Live Births With Specified Characteristics, New York City, 2001-2010



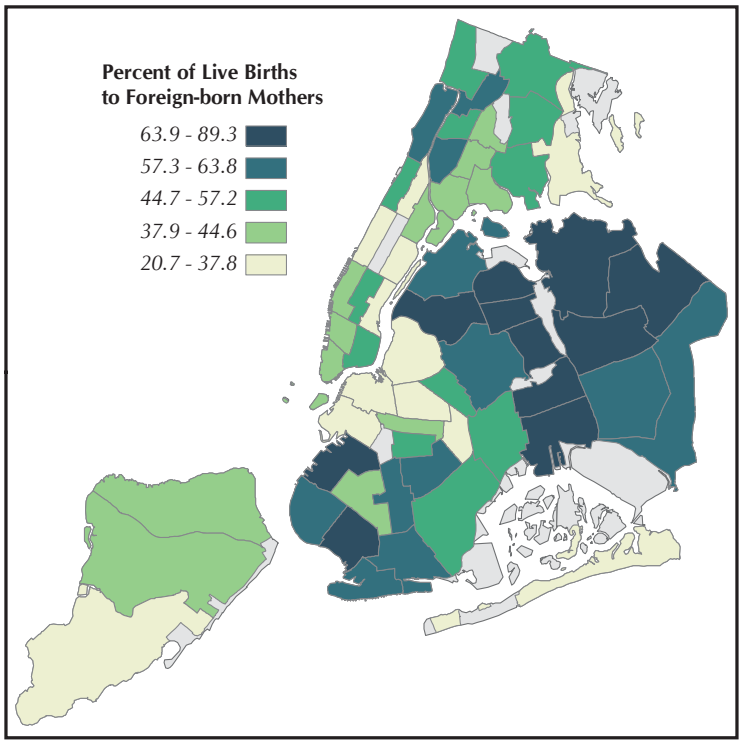
- From 2001 to 2010, the percentage of live births to teenagers decreased steadily and significantly, showing a 29.8% decline. Teenage mothers accounted for 5.9% of all live births in 2010, down from 8.4% in 2001.
- During the same period, the percentage of infants born at a low birthweight (<2,500 grams) was relatively stable and ranged slightly from 2001 (8.5%) to 2010 (8.8%).
- Similar to low birthweight births, the percentage of infants born preterm (<37 weeks) changed slightly between a high of 10.1% in 2005 and a low of 9.4% in 2003.

Map PO1. Percent of Low Birthweight (< 2,500 Grams) Live Births by Community District of Residence, New York City, 2010



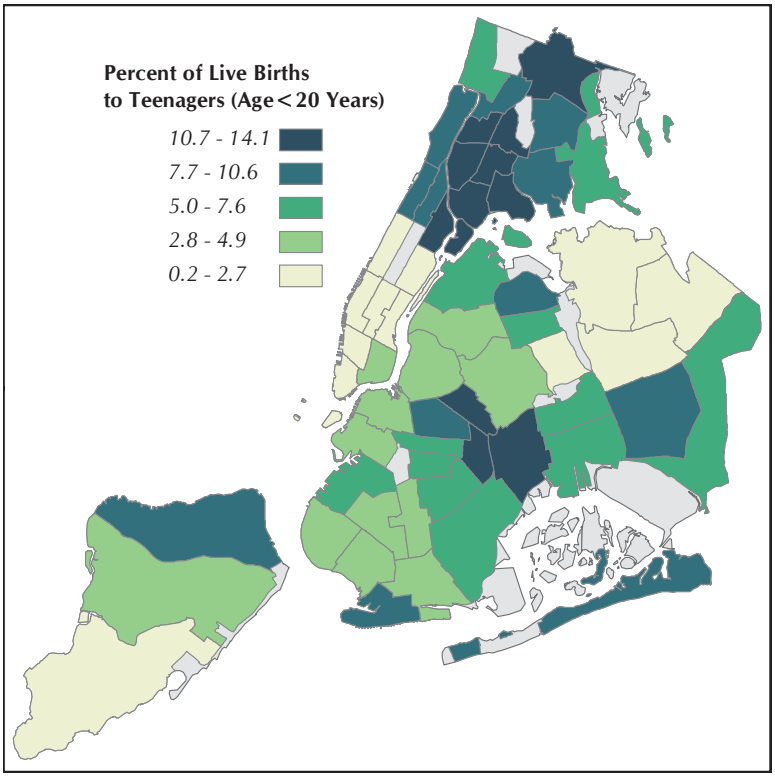
- Citywide, 8.8% of all infants born in 2010 were low birthweight (< 2,500 grams).
- The community districts with the highest percentage of low birthweights included: Brownsville (14.6%), East Flatbush (12.7%), Williamsbridge (11.6%), Jamaica, St. Albans (11.6%), and Queens Village (11.6%).
- The five community districts with the lowest percentage of low-weight births were Williamsburg, Greenpoint (4.9%), Greenwich Village, SoHo (6.0%), Sunset Park (6.0%), Jackson Heights (6.0%), and Flushing (6.2%).
- See Table P7 for additional percentages.

Map PO2. Percent of Live Births to Foreign-born Mothers by Community District of Residence, New York City, 2010



- Nearly 51% of live births in New York City in 2010 were to foreign-born women.
- The five community districts with the highest percentage of births to foreign-born women were Elmhurst, Corona (89.3%), Jackson Heights (89.2%), Flushing (82.2%), Sunset Park (76.4%), and Bensonhurst (74.2%).
- The five community districts that had less than 30% of their births to foreign-born women included: Tottenville (20.7%), Williamsburg, Greenpoint (21.1%), Park Slope (24.2%), Fort Greene, Brooklyn Heights (27.9%), and Bedford Stuyvesant (28.4%).
- See Table P7 for additional percentages.

Map PO3. Percent of Live Births to Teenagers (Age < 20 Years) (Rolling Three-year Averages) by Community District of Residence, New York City, 2008-2010



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

- The five community districts with the highest percentage of births to teenagers were Mott Haven (14.1%), East Tremont (14.0%), Morrisania (13.3%), Brownsville (13.3%), and Hunts Point (12.6%).
- In the following community districts, births to teenagers accounted for less than 1% of all live births: Battery Park/Tribeca, Greenwich Village/SoHo, Murray Hill, the Upper East Side, and Rego Park/Forest Hills.
- See Table P12 for additional percentages.

Map PO4. Percent of Pre-pregnancy Obesity by Community District of Residence, New York City, 2010

- More than 25% of mothers were obese in 12 of New York City's community districts; those community districts with the highest pre-pregnancy obesity were Brownsville (29.6%), followed by East Flatbush (29.5%), Williamsbridge (28.3%), East New York (27.9%), and Concourse/Highbridge (27.8%).
- The community district with the lowest percent of pre-pregnancy obesity was Greenwich Village/SoHo (1.5%). Other community districts with less than 4% pre-pregnancy obesity included: Battery Park/Tribeca, Murray Hill, the Upper East Side, and Midtown Business District.
- See Table P7 for additional percentages.

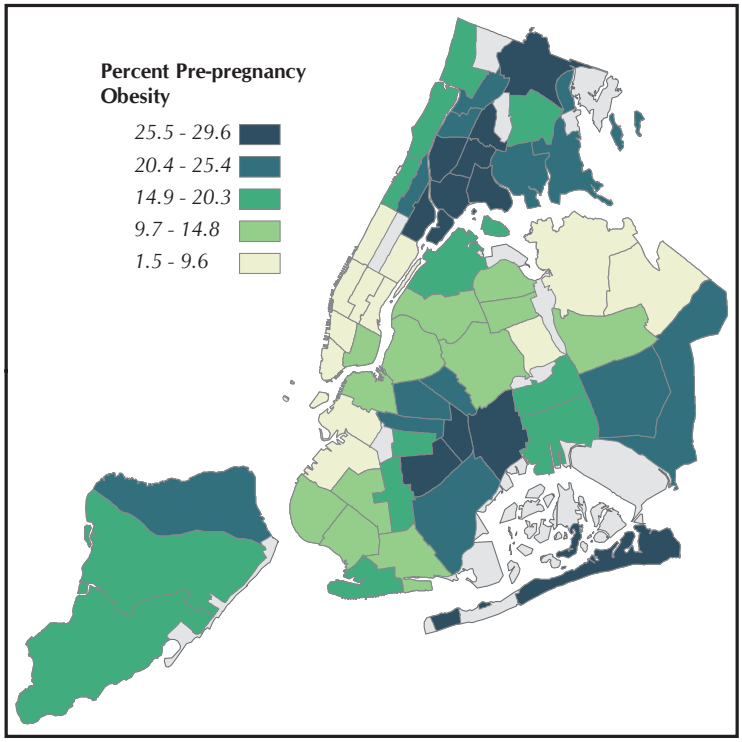


Table PO10. Live Births, Spontaneous Terminations, Induced Terminations, and Pregnancy Rates* to Teenagers (Age 15-19 Years) by Racial/Ethnic Group and Borough of Residence, New York City, 2010

	Age of Woman (Years)	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	2,193	273	4,561	151,723	14.5	46.3
	18-19	5,014	574	7,578	112,295	44.7	117.2
	Age 15-19	7,207	847	12,139	264,018	27.3	76.5
Ethnic Group†							
Hispanic	15-17	1,349	119	1,756	55,002	24.5	58.6
	18-19	2,767	208	2,843	38,721	71.5	150.3
	Age 15-19	4,116	327	4,599	93,723	43.9	96.5
Asian and Pacific Islander	15-17	35	3	105	16,545	2.1	8.6
	18-19	139	16	270	12,941	10.7	32.8
	Age 15-19	174	19	375	29,486	5.9	19.3
Non-Hispanic White	15-17	91	15	237	32,058	2.8	10.7
	18-19	434	47	522	27,413	15.8	36.6
	Age 15-19	525	62	759	59,471	8.8	22.6
Non-Hispanic Black	15-17	687	88	2,335	43,204	15.9	72.0
	18-19	1,578	224	3,621	29,626	53.3	183.0
	Age 15-19	2,265	312	5,956	72,830	31.1	117.2
NYC Events to NYC Residents‡	15-17	2,158	270	4,228	151,723	14.2	43.9
	18-19	4,874	561	6,989	112,295	43.4	110.6
	Age 15-19	7,032	831	11,217	264,018	26.6	72.3
Ethnic Group‡							
Hispanic	15-17	1,335	118	1,643	55,002	24.3	56.3
	18-19	2,718	207	2,704	38,721	70.2	145.4
	Age 15-19	4,053	325	4,347	93,723	43.2	93.1
Asian and Pacific Islander	15-17	34	3	97	16,545	2.1	8.1
	18-19	138	15	239	12,941	10.7	30.3
	Age 15-19	172	18	336	29,486	5.8	17.8
Non-Hispanic White	15-17	88	14	185	32,058	2.7	9.0
	18-19	393	43	422	27,413	14.3	31.3
	Age 15-19	481	57	607	59,471	8.1	19.3
Non-Hispanic Black	15-17	672	87	2,191	43,204	15.6	68.3
	18-19	1,534	218	3,356	29,626	51.8	172.4
	Age 15-19	2,206	305	5,547	72,830	30.3	110.6
Borough of Residence							
Manhattan	15-17	250	35	571	18,966	13.2	45.1
	18-19	619	83	1,014	21,579	28.7	79.5
	Age 15-19	869	118	1,585	40,545	21.4	63.4
Bronx	15-17	716	69	1,243	33,081	21.6	61.3
	18-19	1,496	139	1,922	23,130	64.7	153.8
	Age 15-19	2,212	208	3,165	56,211	39.4	99.4
Brooklyn	15-17	678	96	1,388	49,866	13.6	43.4
	18-19	1,583	200	2,262	34,102	46.4	118.6
	Age 15-19	2,261	296	3,650	83,968	26.9	73.9
Queens	15-17	416	55	861	40,062	10.4	33.2
	18-19	995	114	1,531	27,188	36.6	97.1
	Age 15-19	1,411	169	2,392	67,250	21.0	59.1
Staten Island	15-17	98	15	165	9,748	10.1	28.5
	18-19	181	25	260	6,296	28.7	74.0
	Age 15-19	279	40	425	16,044	17.4	46.4
NYC Events to Non-NYC Residents	15-17	35	3	314	–	N.A.	N.A.
	18-19	140	12	540	–	N.A.	N.A.
	Age 15-19	175	15	854	–	N.A.	N.A.

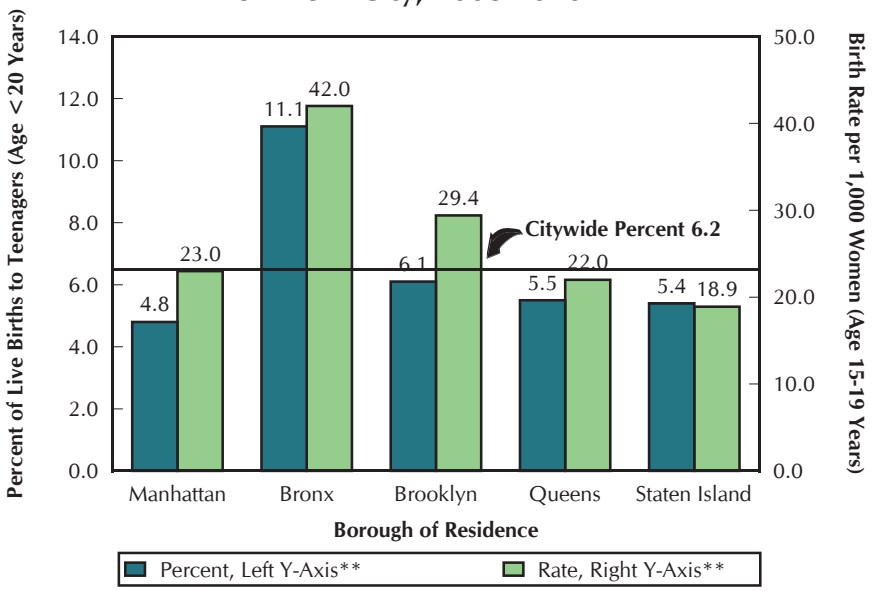
* Population data used to calculate rates are from 2010 Census. See Technical Notes: Population.

† Includes all events occurring in NYC regardless of residence; other/unknown ethnicities are not presented.

‡ Numbers and rates are limited to events occurring in NYC to NYC residents only; other/unknown ethnicities are not presented.

N.A. Not applicable.

Figure PO5. Percent and Rate of Live Births to Teenagers by Borough of Residence, New York City, 2008-2010*



- Citywide, the percent of all live births to teenagers (age < 20 years)was 6.2% in 2008-2010.
- The three-year 2008 to 2010 average percentage of births to teenagers was highest in the Bronx (11.1%). This was almost twice as high as the percent of live births to teenagers in Brooklyn (6.1%) and approximately twice as high as Queens (5.5%) and Staten Island (5.4%). The percent of live births to teens in Manhattan was 4.8% during this period.
- The teenage (age 15-19 years)birth rate followed a different pattern. The rate was highest in the Bronx (42.0), followed by Brooklyn (29.4), Manhattan (23.0), Queens (22.0), and Staten Island (18.9).

* Three years of data were combined due to the relatively small number of live births to teenage mothers.
**Computation of birth rate requires a population denominator appropriate for teenage years; this coincides with the census population age category of 15-19.

Table PO11. Live Births to Teenagers (Age < 20 Years), Overall and by Selected Characteristics, New York City, 2006-2010

	Year				
	2006	2007	2008	2009	2010
Total Live Births	125,506	128,961	127,680	126,774	124,791
Percent to Teenagers	6.9	6.6	6.6	6.2	5.9
Population* (Female Age 15-19)	262,407	264,464	265,935	265,904	262,878
Birth Rate† (Age 15-19)	32.7	32.1	31.2	28.9	27.4
Births to Teenagers	8,695	8,569	8,423	7,806	7,309
Percent of Births with Specified Characteristics:					
Hispanic	56.9	58.1	59.6	59.7	59.4
Foreign-born Mother	34.0	33.2	31.2	29.2	29.2
First Live Birth	85.8	85.7	86.2	86.2	86.9
< 2,500 grams	10.5	10.2	10.6	9.8	9.5
Preterm‡	10.4	10.2	10.4	10.0	9.6
Prenatal Care in First or Second Trimester of Pregnancy	88.2	88.7	§	§	85.2
Not Married	89.0	89.5	90.1	90.6	90.8
On Medicaid||	80.8	80.1	87.4	88.8	89.5
Pre-pregnancy Obesity	N/A	N/A	14.7	15.5	15.2
Infant Mortality Rate¶	7.4	6.8	7.6	8.5	8.1

* For denominator information, see Technical Notes: Population.
† Per 1,000 women age 15-19 years.
‡ Clinical gestational age < 37 completed weeks.
§ Due to data quality issue, no prenatal care variables are available for the years of 2008-2009.
|| See Technical Notes: Births, Birth Reporting.
¶ Infant mortality rate per 1,000 live births to teenagers.

Table PO12. Live Births to Teenagers (Age < 20 Years) by Selected Characteristics and Community District of Residence, New York City, 2008-2010*

Community District of Residence	Live Births	Percent of Total Live Births	Percent of Total Live Births with Specified Characteristics: Mother's Ancestry Hispanic	Foreign Born Mother	First Live Birth†	Low Birth Weight (<2,500 Grams)	Preterm Birth (<37 Weeks)	Mother Not Married	On Medicaid‡
NEW YORK CITY	23,538	6.2	59.6	29.9	86.6	10.0	10.0	90.5	88.5
MANHATTAN	2,830	4.8	70.7	29.6	86.9	9.9	10.7	94.4	90.7
Battery Park, Tribeca (01)	7	0.2	33.3	42.9	85.7	14.3	14.3	100.0	71.4
Greenwich Village, SoHo (02)	9	0.3	62.5	44.4	100.0	0.0	11.1	100.0	88.9
Lower East Side (03)	251	4.1	66.7	18.4	86.1	8.0	9.2	93.2	92.7
Chelsea, Clinton (04)	74	2.7	59.7	13.5	89.2	4.1	8.1	97.3	87.7
Midtown Business District (05)	29	1.7	44.8	20.7	79.3	3.4	3.4	93.1	86.2
Murray Hill (06)	20	0.5	50.0	10.0	85.0	20.0	10.0	90.0	83.3
Upper West Side (07)	148	1.8	67.6	15.5	87.2	9.5	12.2	97.3	91.0
Upper East Side (08)	75	0.9	47.1	18.7	88.0	10.7	6.7	97.3	90.7
Manhattanville (09)	383	9.1	74.5	37.3	86.9	9.4	9.2	93.7	90.6
Central Harlem (10)	488	9.4	39.8	18.1	86.7	11.1	12.3	94.3	88.5
East Harlem (11)	593	11.5	70.3	20.6	85.0	12.8	12.8	94.9	90.5
Washington Heights (12)	753	9.4	95.7	49.9	88.7	8.4	9.8	93.6	92.7
BRONX	7,220	11.1	71.6	25.6	86.1	10.4	9.4	94.6	89.1
Mott Haven (01)	733	14.1	76.2	23.0	84.0	10.0	9.5	96.9	91.6
Hunts Point (02)	371	12.6	78.4	24.0	82.7	11.6	9.4	96.5	90.5
Morrisania (03)	580	13.3	68.0	16.6	86.4	11.4	10.2	95.2	88.9
Concourse, Highbridge (04)	913	10.8	76.5	33.6	85.9	9.9	10.2	94.6	87.4
University/Morris Heights (05)	913	12.4	77.2	31.3	84.5	9.3	8.8	95.0	89.1
East Tremont (06)	623	14.0	74.5	20.9	85.5	11.7	11.4	95.5	89.5
Fordham (07)	715	9.9	83.8	31.0	83.8	10.5	8.8	93.4	88.7
Riverdale (08)	207	5.6	87.2	26.7	89.9	9.7	7.2	92.8	87.1
Unionport, Soundview (09)	858	10.6	71.7	21.8	87.3	10.6	8.5	94.5	91.1
Throgs Neck (10)	233	7.6	61.6	20.3	93.1	10.7	9.4	91.0	87.5
Pelham Parkway (11)	357	8.3	64.8	24.9	89.9	9.2	8.7	89.9	90.2
Williamsbridge (12)	716	11.7	40.1	23.8	88.5	10.8	8.9	95.1	86.6
BROOKLYN	7,558	6.1	45.0	28.4	86.6	9.9	10.3	86.9	90.5
Williamsburg, Greenpoint (01)	429	4.3	65.5	13.1	88.8	7.7	6.8	69.9	90.2
Fort Greene, Brooklyn Heights (02)	178	4.1	40.9	15.7	84.8	7.3	8.5	92.1	90.9
Bedford Stuyvesant (03)	773	10.5	35.7	14.1	84.9	11.5	12.8	91.8	89.6
Bushwick (04)	656	11.2	82.5	36.9	82.5	11.0	9.9	94.7	92.9
East New York (05)	1,010	11.7	42.2	22.7	86.8	10.1	10.2	95.1	88.4
Park Slope (06)	165	3.2	58.5	12.7	91.5	7.3	9.1	92.7	86.0
Sunset Park (07)	487	5.4	85.2	48.7	85.0	7.8	8.8	85.6	93.0
Crown Heights North (08)	307	7.1	16.4	20.2	86.1	11.7	10.4	93.5	88.8
Crown Heights South (09)	264	5.2	17.0	33.0	90.5	9.5	11.7	96.6	89.8
Bay Ridge (10)	152	2.9	51.4	47.3	83.4	11.8	6.6	66.4	92.7
Bensonhurst (11)	232	3.3	57.6	50.9	85.8	12.5	12.5	75.0	92.7
Borough Park (12)	462	2.9	60.9	39.0	88.5	5.6	6.5	47.8	90.9
Coney Island (13)	316	8.6	56.1	26.9	86.1	8.5	9.5	87.7	93.7
Flatbush, Midwood (14)	387	4.7	50.3	47.8	87.9	9.8	11.9	86.6	89.2
Sheepshead Bay (15)	238	3.9	32.2	43.9	85.3	8.4	6.7	62.6	89.0
Brownsville (16)	593	13.3	23.1	13.3	86.3	10.8	10.8	97.3	90.8
East Flatbush (17)	482	7.1	12.5	33.6	90.2	12.9	13.5	96.7	91.4
Canarsie (18)	427	5.5	16.5	21.8	87.3	10.8	13.3	93.2	89.5
QUEENS	4,500	5.5	60.1	41.6	87.2	9.1	9.5	89.2	87.3
Astoria, Long Island City (01)	319	5.2	65.3	34.6	87.1	9.7	9.1	90.9	88.0
Sunnyside, Woodside (02)	147	3.2	86.2	59.2	92.5	5.4	6.1	83.7	91.0
Jackson Heights (03)	667	7.8	92.7	65.2	85.8	6.9	8.1	89.1	92.9
Elmhurst, Corona (04)	528	6.1	88.7	58.7	86.7	5.1	8.1	91.9	93.1
Ridgewood, Glendale (05)	312	4.9	77.7	38.1	89.4	9.0	8.7	84.6	88.7
Rego Park, Forest Hills (06)	35	0.9	45.2	57.1	94.3	5.7	8.6	62.9	80.0
Flushing (07)	192	2.4	67.6	53.1	87.5	5.7	8.9	88.5	88.5
Fresh Meadows, Briarwood (08)	144	2.7	50.4	33.3	91.0	11.8	10.4	79.2	79.1
Woodhaven (09)	387	6.6	73.1	44.0	88.6	8.8	7.8	84.8	87.0
Howard Beach (10)	221	5.1	42.2	39.8	89.1	10.4	10.0	81.4	80.2
Bayside (11)	22	1.1	38.1	31.8	86.4	4.5	9.1	77.3	63.6
Jamaica, St. Albans (12)	783	8.5	29.0	27.7	85.2	10.7	10.5	92.6	85.4
Queens Village (13)	299	5.7	17.2	30.5	87.6	11.4	10.0	94.6	82.3
The Rockaways (14)	444	10.4	32.1	15.5	86.0	14.2	14.2	94.1	83.2
STATEN ISLAND	923	5.4	52.5	26.1	84.0	11.4	11.5	91.0	76.9
Port Richmond (01)	701	9.0	55.1	27.2	83.2	12.4	12.1	93.3	78.0
Willowbrook, South Beach (02)	154	3.5	50.3	27.9	85.7	9.1	11.7	83.8	73.2
Tottenville (03)	67	1.4	28.6	10.4	88.1	6.0	4.5	85.1	74.2
NEW YORK CITY RESIDENTS	23,031	6.6	59.9	30.2	86.5	10.0	9.9	90.8	88.9
NON-RESIDENTS	506	1.6	43.3	18.0	89.9	11.5	13.0	74.7	69.4
RESIDENCE UNKNOWN	1	-	-	-	-	-	-	-	-

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 14 (Map PO3).

*Three years of data were combined because of the relatively small number of live births per year for teenage mothers.

† See Technical Notes: Birth Data Quality.

‡ Due to revision of the birth certificate, since 2008, "On Medicaid" also includes Family Health Plus, Other government, and Child Health Plus B.

Figure PO6. Number of Live Births, Induced Terminations, and Spontaneous Terminations of Pregnancy, New York City, 2001-2010

- The total number of reported New York City pregnancies (the sum of all live births and spontaneous and induced terminations) decreased by 2.7% from 2001 to 2010.
- The number of induced terminations of pregnancy has been declining in the last three years, down 7.8% from 90,870 in 2007 to 83,750 in 2010.
- Spontaneous terminations increased 21.0% from 2009 to 2010 due, in part, to the New York City Health Department's increased outreach to reporters of these events.

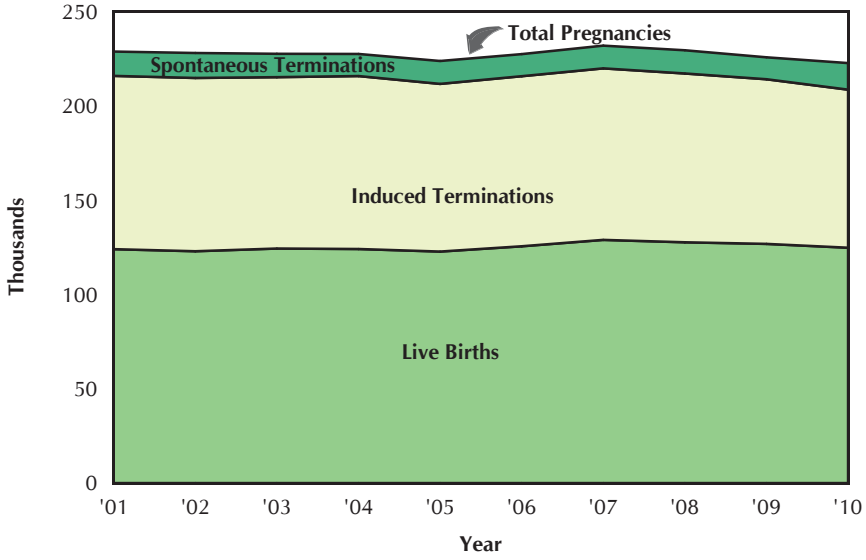
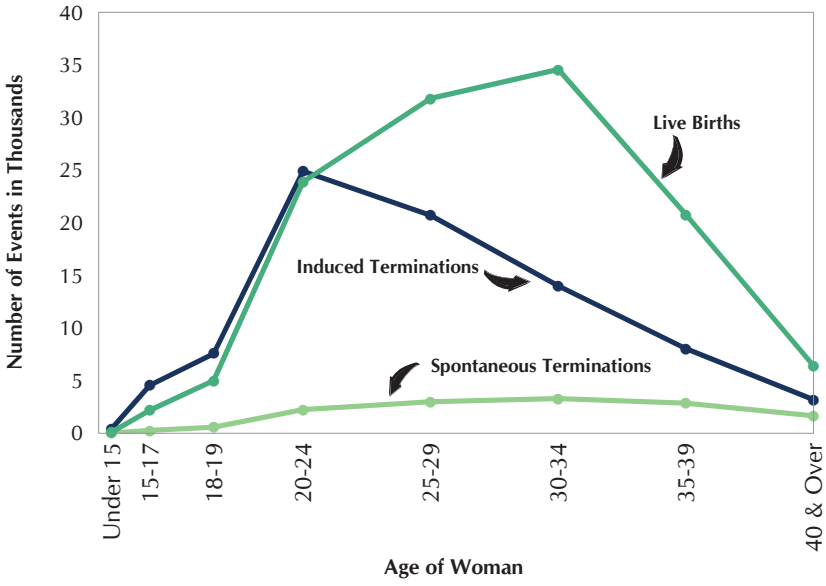


Figure PO7. Live Births, Induced Terminations, and Spontaneous Terminations of Pregnancy by Age of Woman, New York City, 2010



- Over 220,000 pregnancy outcomes were reported in New York City in 2010. Approximately 56% were live births, 38% were induced terminations, and 6% were spontaneous terminations.
- For women aged 25 years and older, more pregnancies resulted in a live birth rather than induced or spontaneous terminations.
- For younger women (<25 years), 52.2% of pregnancies ended in induced terminations, 43.5% resulted in live births, and 4.4% concluded in spontaneous terminations.

Table PO13. Live Births, Spontaneous Terminations, and Induced Terminations of Pregnancy, Overall and by Borough of Residence and Age of Woman, New York City, 2010

Borough of Residence / Pregnancy Outcome	Total	Age of Woman (Years)								
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	Unknown or Not Stated
NEW YORK CITY	222,598	559	7,027	13,166	51,037	55,521	51,871	31,683	11,276	458
Live Births	124,791	102	2,193	5,014	23,888	31,826	34,567	20,781	6,419	1
Spontaneous Terminations	14,057	26	273	574	2,251	2,988	3,295	2,855	1,658	137
Induced Terminations	83,750	431	4,561	7,578	24,898	20,707	14,009	8,047	3,199	320
MANHATTAN	33,017	52	856	1,716	6,119	6,816	8,913	6,170	2,301	74
Live Births	19,646	9	250	619	2,412	3,662	6,542	4,601	1,551	–
Spontaneous Terminations	2,040	4	35	83	257	329	497	499	320	16
Induced Terminations	11,331	39	571	1,014	3,450	2,825	1,874	1,070	430	58
BRONX	43,082	155	2,028	3,557	11,963	11,221	8,216	4,302	1,550	90
Live Births	21,258	37	716	1,496	5,567	5,785	4,574	2,350	733	–
Spontaneous Terminations	2,377	4	69	139	456	569	520	377	218	25
Induced Terminations	19,447	114	1,243	1,922	5,940	4,867	3,122	1,575	599	65
BROOKLYN	72,147	181	2,162	4,045	17,607	19,008	16,027	9,600	3,350	167
Live Births	41,469	31	678	1,583	9,272	11,380	10,493	6,190	1,842	–
Spontaneous Terminations	4,729	10	96	200	841	1,056	1,071	890	515	50
Induced Terminations	25,949	140	1,388	2,262	7,494	6,572	4,463	2,520	993	117
QUEENS	47,472	108	1,332	2,640	10,635	12,584	11,278	6,541	2,285	69
Live Births	26,955	18	416	995	4,976	7,630	7,563	4,148	1,209	–
Spontaneous Terminations	3,238	6	55	114	530	750	782	638	338	25
Induced Terminations	17,279	84	861	1,531	5,129	4,204	2,933	1,755	738	44
STATEN ISLAND	8,892	27	278	466	1,713	2,283	2,358	1,328	421	18
Live Births	5,580	4	98	181	805	1,552	1,786	903	251	–
Spontaneous Terminations	704	1	15	25	88	139	170	163	93	10
Induced Terminations	2,608	22	165	260	820	592	402	262	77	8
NON-RESIDENTS	17,446	35	352	692	2,796	3,480	5,009	3,692	1,352	38
Live Births	9,879	3	35	140	854	1,816	3,609	2,588	833	1
Spontaneous Terminations	959	1	3	12	77	142	254	286	174	10
Induced Terminations	6,608	31	314	540	1,865	1,522	1,146	818	345	27
RESIDENCE UNKNOWN	542	1	19	50	204	129	70	50	17	2
Live Births	4	–	–	–	2	1	–	1	–	–
Spontaneous Terminations	10	–	–	1	2	3	1	2	–	1
Induced Terminations	528	1	19	49	200	125	69	47	17	1

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

Table PO14. Spontaneous Terminations of Pregnancy by Gestational Age and Age of Woman, New York City, 2010

Gestational Age (Weeks)	Total	Age of Woman (Years)								
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	Unknown or Not Stated
Total	14,057	26	273	574	2,251	2,988	3,295	2,855	1,658	137
<13	11,014	21	209	430	1,729	2,265	2,576	2,276	1,405	103
13-15	843	2	24	33	136	193	183	174	96	2
16-19	932	1	12	31	153	237	246	186	64	2
20-27	726	1	17	44	138	172	173	137	42	2
≥28	373	1	7	19	73	90	93	62	26	2
Not stated	169	–	4	17	22	31	24	20	25	26

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

Table PO15. Selected Characteristics of Spontaneous Terminations of Pregnancy, ≥28 Weeks Gestation, Overall and by Age of Woman, New York City, 2010

		Age of Woman (Years)								
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	Not Stated
Total	373	1	7	19	73	90	93	62	26	2
Sex										
Male	184	–	4	10	32	51	51	28	8	–
Female	176	1	2	8	40	37	37	33	17	1
Undetermined	13	–	1	1	1	2	5	1	1	1
Weight at Delivery (grams)										
<500	9	–	–	2	1	–	3	1	2	–
500-999	30	–	1	2	6	8	4	7	2	–
1,000-1,499	49	1	–	2	16	11	11	4	4	–
1,500-1,999	60	–	1	1	13	15	13	13	4	–
2,000-2,499	66	–	–	4	11	18	18	10	5	–
≥2,500	127	–	4	8	22	31	35	19	8	–
Not stated	32	–	1	–	4	7	9	8	1	2

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

Table PO16. Selected Characteristics of Spontaneous Terminations of Pregnancy, ≥28 Weeks Gestation, Overall and by Racial/Ethnic Group of Woman, New York City, 2010

		Racial/Ethnic Group of Woman						
	Total	Puerto Rican	Other Hispanic	Asian and Pacific Islander	Non-Hispanic White	Non-Hispanic Black	Other	Not Stated
Total	373	19	88	41	96	115	2	12
Sex								
Male	184	10	44	21	46	60	–	3
Female	176	9	41	19	47	50	2	8
Undetermined	13	–	3	1	3	5	–	1
Weight at Delivery (grams)								
<500	9	1	2	–	2	4	–	–
500-999	30	1	6	2	10	10	–	1
1,000-1,499	49	2	8	7	11	17	–	4
1,500-1,999	60	3	17	9	14	17	–	–
2,000-2,499	66	2	12	5	22	22	–	3
≥2,500	127	9	38	12	26	40	2	–
Not stated	32	1	5	6	11	5	–	4

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

Table PO17. Live Births, Spontaneous Terminations of ≥28 Weeks Gestation, and Induced Terminations of Pregnancy, by Borough of Residence and Occurrence, New York City, 2010

Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Staten Island
NEW YORK CITY	208,914	74,506	30,511	55,324	42,146	6,427
Live Births	124,791	45,403	17,196	32,546	23,465	6,181
Spontaneous Terminations	373	128	62	94	69	20
Induced Terminations	83,750	28,975	13,253	22,684	18,612	226
MANHATTAN	31,030	27,872	1,282	1,290	571	15
Live Births	19,646	18,824	400	269	139	14
Spontaneous Terminations	53	50	1	–	1	1
Induced Terminations	11,331	8,998	881	1,021	431	–
BRONX	40,776	12,207	26,998	742	816	13
Live Births	21,258	5,243	15,661	163	179	12
Spontaneous Terminations	71	11	60	–	–	–
Induced Terminations	19,447	6,953	11,277	579	637	1
BROOKLYN	67,546	16,277	397	46,083	3,580	1,209
Live Births	41,469	9,765	135	29,160	1,214	1,195
Spontaneous Terminations	128	29	–	91	2	6
Induced Terminations	25,949	6,483	262	16,832	2,364	8
QUEENS	44,303	8,125	321	3,660	32,158	39
Live Births	26,955	5,206	125	1,858	19,728	38
Spontaneous Terminations	69	13	–	2	54	–
Induced Terminations	17,279	2,906	196	1,800	12,376	1
STATEN ISLAND	8,203	1,258	58	1,870	133	4,884
Live Births	5,580	316	15	565	22	4,662
Spontaneous Terminations	15	2	–	–	–	13
Induced Terminations	2,608	940	43	1,305	111	209
NON-RESIDENTS	16,524	8,655	1,433	1,632	4,537	267
Live Births	9,879	6,048	859	529	2,183	260
Spontaneous Terminations	37	23	1	1	12	–
Induced Terminations	6,608	2,584	573	1,102	2,342	7
RESIDENCE UNKNOWN	532	112	22	47	351	–
Live Births	4	1	1	2	–	–
Spontaneous Terminations	–	–	–	–	–	–
Induced Terminations	528	111	21	45	351	–

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

Table PO18. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman, New York City, 2010

	Total	Age of Woman (Years)								
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	Not Stated
Induced Termination of Pregnancy, All	83,750	431	4,561	7,578	24,898	20,707	14,009	8,047	3,199	320
Racial/Ethnic Group										
Hispanic	27,112	169	1,756	2,843	8,738	6,592	4,156	2,075	679	104
Asian and Pacific Islander	4,761	11	105	270	1,037	1,193	1,020	746	355	24
Non-Hispanic white	9,220	26	237	522	2,451	2,430	1,684	1,230	592	48
Non-Hispanic black	38,574	218	2,335	3,621	11,349	9,502	6,447	3,580	1,392	130
Other	607	4	40	46	182	127	105	71	31	1
Unknown	3,476	3	88	276	1,141	863	597	345	150	13
Marital Status										
Married	11,391	11	47	173	1,583	2,782	3,146	2,422	1,175	52
Not married	69,106	410	4,446	7,128	22,225	17,106	10,363	5,316	1,900	212
Unknown	3,253	10	68	277	1,090	819	500	309	124	56
Gestational Age (weeks)										
≤6	28,850	88	1,050	2,059	8,086	7,820	5,326	2,993	1,306	122
7 - 8	24,921	104	1,227	2,144	7,165	6,319	4,389	2,561	932	80
9 - 10	13,321	61	807	1,358	4,301	3,102	2,047	1,189	401	55
11 - 12	6,000	41	501	714	1,970	1,261	834	448	212	19
13 - 15	3,889	28	337	466	1,313	797	501	316	115	16
16 - 20	4,137	58	405	552	1,306	839	542	289	134	12
≥21	1,857	48	205	229	560	376	234	144	50	11
Unknown	775	3	29	56	197	193	136	107	49	5
Type of Termination Procedure										
Suction curettage	61,473	275	3,190	5,353	17,993	15,313	10,551	6,141	2,442	215
Sharp curettage / D+C	1,643	4	76	99	380	363	350	227	125	19
Dilatation and evacuation	9,097	126	880	1,143	2,925	1,840	1,186	672	294	31
Intrauterine instillation	19	–	1	1	7	3	4	1	2	–
Hysterotomy / hysterectomy	2	–	–	1	–	–	1	–	–	–
Medical (non-surgical)	11,154	25	388	957	3,475	3,092	1,870	971	322	54
Other	7	–	1	–	1	–	1	3	1	–
Unknown	355	1	25	24	117	96	46	32	13	1

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

Table PO19. Induced Terminations of Pregnancy by Woman's Marital Status, Age, and Racial/Ethnic Group, New York City, 2006-2010

	2006	2007	2008	2009	2010
Marital Status (Percent)					
Married	14.2	13.9	14.2	14.2	13.6
Not married	83.6	83.6	83.3	83.6	82.5
Unknown	2.2	2.5	2.6	2.2	3.9
Age of Woman (Years)					
<15	472	470	457	461	431
15 - 19	15,058	14,844	14,276	13,577	12,139
20 - 24	26,105	26,529	25,998	25,365	24,898
25 - 29	22,303	22,389	21,949	21,702	20,707
30 - 34	14,183	14,171	14,459	14,330	14,009
35 - 39	8,538	8,802	8,665	8,324	8,047
≥40	3,119	3,242	3,247	3,176	3,199
Unknown	379	423	418	338	320
Ethnic Group					
Hispanic	29,678	28,896	28,921	28,364	27,112
Asian and Pacific Islander	4,959	5,444	5,557	5,212	4,761
Non-Hispanic white	9,781	10,221	10,451	9,853	9,220
Non-Hispanic black	42,289	42,814	41,857	40,798	38,574
Other	635	518	396	349	607
Unknown	2,815	2,977	2,287	2,697	3,476
Total	90,157	90,870	89,469	87,273	83,750

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

PREGNANCY OUTCOMES, TECHNICAL NOTES, 2010

VITAL EVENT REPORTING

Data on births and induced and spontaneous terminations of pregnancy are based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH). In 2010, most (99.6%) birth certificates were filed electronically through the Electronic Vital Events Registration System (EVERS). All induced and spontaneous terminations, regardless of gestational age or weight, are reported and filed on paper. Vital event data are based on the year they occurred in New York City to both residents and non-residents. Any events registered after file closure are excluded from this report. Such late registrations are rare.

POPULATION

Citywide

The New York City Department of City Planning (DCP) provides the Bureau of Vital Statistics with Census Data based on the United States Census as of April 1, 2010 and updated intercensal population estimates as of July 1 for 2001-2010. The US Census population count for New York City is 8,175,133 in 2010. Smaller geographical areas and demographic groups are derived by DCP using population data files from the 2010 Census. In the 2010 Summary of Vital Statistics, tables or figures with single-year data use the 2010 Census population count; tables and figures with trend data use updated intercensal population estimates. See the 2010 Annual Summary Historical Technical Notes table for population data used before 2010.

Race/Ethnicity categories

Beginning with the 2000 Census, respondents could describe themselves and household members as being of more than one race, selecting at least one of six race categories: white, black, American Indian and Alaska Native, Asian, Native Hawaiian and other Pacific Islander, and some other race(s). These categories yield 63 possible combinations. Respondents also were asked if they were of Hispanic origin. The resulting responses could be organized into 64 groups. DCP collapses 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, which the DCP refers to as "mutually exclusive race and Hispanic categories. The first four of these categories are reflected in the Vital Statistics Summary variable "ethnic group," with a 5th that combines non-Hispanic American Indian and Alaska Native, non-Hispanic of some other race, non-Hispanic of two or more races, and other or multiple race. For more information, see "Race, Ancestry, and Ethnic Group."

Community District

In 2010, Community District population data are provided by DCP. In 2008-2009, Community District population estimates used the United States (US) Census Bureau Population Estimate Program and housing unit data from DCP. The "housing unit method" of estimation allocates the population to Community Districts. The method multiplies the estimated number of households in a given area by an estimate of the population per household. In the intercensal context, housing unit growth, measured by housing permit data, determines the locations of growth. Because these estimates are calibrated to equal US Census-borough-specific population totals, the borough population per household is fixed. New population estimates are derived using the iterative proportional fitting procedure (IPFP) implemented in SAS® version 9.2. The validity of these estimates depends on vacancy rates, housing unit loss rates, percentage of permits actually constructed, and time to complete construction, which is assumed consistent at the borough level and thus has no effect on the allocation of growth. The method is sensitive to the quality of the housing permit data, which does not identify residential conversions to multiple units. Demographic characteristics are allocated assuming those at the location of growth. Therefore, this approach does not capture intercensal demographic change at the neighborhood level, including change due to migration.

Age Categories

Before 2010, in order to calculate the rates of teen events, population estimates are derived for each intercensal year using the housing unit method of estimation (see Community District, above) for 22 age groups, as opposed to the standard 18 age groups. In 2010, rates of teen events are calculated by using 2010 Census single-year population data.

DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS

Race, Ancestry, and Ethnic Group

Race and ancestry are two separate items on the certificates. Parents report this information on the birth certificate. As of 2008, the birth certificate allows for the selection of multiples races. Responses are coded following rules from the National Center for Health Statistics (NCHS). The ordered selection rules for defining ethnic group first assign 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, and other/multiple race/unknown.

Ancestry is defined by NCHS as the nationality, lineage, or country where the subject's ancestors were born before their arrival in the US. If a religious group is reported, NCHS instructions are to ask for the country of origin or nationality. New York City receives enough certificates with ancestry reported as Jewish or Hebrew to warrant inclusion in these tables, notwithstanding the religious meaning of the terms. Persons whose race is black and whose ancestry is American are classified as being of African American ancestry.

Birthplace

Starting in 2007, mother's birthplace is categorized as: "United States, including its territories," "Foreign," and "Not stated." "United States, including its territories" includes Puerto Rico, the US Virgin Islands, and Guam. If mother's birthplace is classified by country-specific categories, Puerto Rico is categorized apart from the US.

GEOGRAPHICAL UNITS

Data Presentation

Tables that stratify by location of residence (e.g., borough) separate data for non-residents and residence-unknown categories. Tables that do not stratify by location of residence combine all vital events registered in New York City, regardless of residence.

Vital events that occurred to New York City residents while outside of New York City are not included in this report.

Place of Birth

Since 1996, home births in Tables PO4 and PO5 include all events for which "Home" was selected as the "Type of Place" regardless of whether the certificate was filed through a hospital. Home births in Table PO1 include events for which "home" was selected as "Type of Place" and the certificate was not filed by an institution; typically, these events were filed by the person who attended to the birth at home.

Table PO1 described the live births according to the borough in which the birth occurred. Prior to 2010, Table PO1 reported births according to the borough in which the reporting office was located. This primarily affects the frequency of "places other than a hospital or home" and "home births," which occur citywide but are frequently reported by the Bureau of Vital Statistics in Manhattan.

Borough of residence

Borough of residence and other geographic classifications are based on the usual residence reported on the certificate.

Community District (CD)

Community districts were established by City Charter in 1969 for the delivery of city services. Population figures for these districts are compiled by DCP from census tract and census block data. The sum of the community district populations in each borough may not equal the borough population or the citywide population because Community Districts may cross borough boundaries. Since 1985, assignments to geographic areas smaller than borough, such as community district, are made through the Geosupport Program, which is developed and maintained by the DCP. Additional information on community district geography can be found at www.nyc.gov/dcp.

BIRTHS

Birth Reporting

All births must be filed within five business days of the event. Data are generally collected using two worksheets: mother/parent and facility worksheets. Guides for the completion of the birth certificate and data entry can be found at http://www.nyc.gov/evers. Effective January 2008, BVS requires all hospitals registering more than 100 births per year to use the Electronic Birth Registration System (EBRS); in 2010, 99.6% of all births were registered electronically.

Data Presentation

Starting with the 2007 summary, items with unknown/not stated values are excluded from the denominator when calculating percentages. This affects Tables PO6, PO7, PO11, PO12 and Maps: PO1, PO2, PO3, and PO4.

Birth Data Quality

Data quality improved in 2010, allowing 'Late or No Prenatal Care' to be reported for the first time since 2007.

The increasing number of women reporting "unknown" race is reflected in the ethnicity "not stated" categories in Tables PO3 and PO5. This increase began with electronically filed records. In Tables PO2 and PO6, the number of women categorized as reporting "other" ancestry has increased due to data entry errors. This slightly affected the overall distribution of live births by ancestry. In Figure PO3, "Other or Unknown" includes "two or more races."

Mother's Marital Status

The New York City DOHMH is prohibited by local law from recording mother's marital status on the record or report of birth. For this Summary of Vital Statistics, these data are estimated and should be interpreted with caution. Since 1997, marital status is computed using the following algorithm: certificates without the father's name and those with the father's name that are accompanied by an Acknowledgment of Paternity are categorized as non-married; all others are categorized as married.

Teen Births

Teen birth counts include all births occurring to women under the age of 20 years (see Tables PO11 and PO12). Teen birth rates are limited to teens aged 15 to 19 years (Tables PO10 and PO11) for whom population denominators can be applied to compute a reliable rate.

Gestational Age

Gestational age, or clinical estimate of gestation, is defined as the best obstetric estimate of the infant's gestation in completed weeks based on the birth attendant's final estimate of gestation. Characteristics of live births and/or infant deaths in the Tables PO4-PO7, PO11, PO12, and Figure PO4, respectively, include either gestational age categories or a dichotomous indicator of preterm (< 37 weeks gestation) birth. In 2007, the range for valid gestational age was changed from 20-44 weeks to 17-47 weeks.

INDUCED AND SPONTANEOUS TERMINATIONS OF PREGNANCY

Induced and Spontaneous Terminations of Pregnancy reporting

By law, all terminations must be reported. However, the number of induced and spontaneous terminations filed depends to some extent on the outreach conducted by BVS. Spontaneous and induced terminations reported for a given year include events occurring in the year of report and registered prior to the official closing date for that year of report.

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.

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

Fertility Rate - Live births per 1,000 women aged 15-44 years.

$$\frac{\text{Live Births} \times 1{,}000}{\text{Female Population Aged 15-44}}$$

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.

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.

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

POPULATION		
Citywide	The 2007-2009 Annual Summaries use their respective year's pre-challenged US Census Bureau's population estimates. As a result, city and borough-wide estimates overall and by age, ethnicity and sex may vary from those presented in prior summaries	2007-2009
	The 2005-2006 Annual Summaries use post 2000 census estimates for citywide, county (borough), 5-year age group, ethnic group and sex population counts. The Summary year population counts used pre-challenged census estimates; prior year population counts presented in the Summaries used post-challenged census estimates in addition to Census 2000 data.	2005-2006
	Population counts used US Census citywide decennial population counts.	2000–2004
	Intercensal counts were estimated using an exponential formula, which assumes that the growth rate was the same throughout the decade: $pop(t1)/pop(t0) = e^{rt}$ (where r is a constant growth rate and t is the time interval).	Intercensal years between 1990 and 2000
	Intercensal counts were estimated using a linear interpolation.	Intercensal years prior to 1990
	The population counts for years 1960, 1970, 1980, 1990 and 2000 were US Census counts.	1960, 1970, 1980, 1990, 2000
Smaller Geographic Area	Population estimates for Community Districts were provided by the DOHMH Bureau of Epidemiology Services using the US Census Bureau Population estimate program and housing unit method. For more detail on these estimates, please see either the 2007, 2008 or 2009 Summary of Vital Statistics' Technical Notes, Population Section.	2007-2009
	Year 2000 census counts are used for defining smaller geographic units such as Community Districts or single-year age groups.	2005-2006
	Population estimates for Health Center District (HCD) were not computed in time for the release of this report. As a result, Health Center District tables present rates are either replaced (Table 7) or do not present rates (Table 34).	2008
	Health Center district: Health Center district data were presented in addition to Community District data. Populations for geographic area smaller than borough were based on decennial census data.	Prior to 2008
Race/Ethnic group	Census data is used to define race and ethnic distribution; in 2002, the Census Bureau issued the modified Race File resulting in a 65% reduction in Other and Multiple Race, a 6% increase in Asian and Pacific Islander, and 3% increases for non-Hispanic white and non-Hispanic black. There was no change for Hispanic population.	2000-2001
DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS		
Race, Ancestry, and Ethnic Group	The death certificate allowed for the selection of a single race category.	Prior to 2003
	The birth certificate allowed for the selection of a single race category.	Prior to 2008

	The meaning of ancestry was clarified with hospitals, resulting in a notable increase in Hebrew and Jewish ancestry and a decrease in American ancestry.	1999
Birthplace	Mother's birthplace is reported in four categories: United States other than Puerto Rico, Puerto Rico, Foreign and Not Stated. US Virgin Islands and Guam are included in the "Foreign" category.	1991-2006
	Decedent's birthplace is first reported by country in 2000. US Virgin Islands and Guam were included in the "Other" category.	2000 - 2006
GEOGRAPHICAL UNITS		
Community District	Community districts are referred to by number prior to 2003 and by name after.	Prior to 2003
Place of Birth	Prior to 1996, all reports of home births included only events filed outside the hospital.	Prior to 1996
DEATHS		
Death Reporting	Medical certifier provided race and ancestry information.	Prior to 1993
Race/Ethnicity	The death certificate was revised in June 1993 to require funeral directors to provide ancestry information, presumably from decedents' family members.	1993 - present
	Medical certifier provided ancestry information.	Prior to 1993
Cause of Death Coding	ICD-coding was conducted manually by an NCHS certified nosologist.	Prior to 2007
HIV and AIDS	In 1987, NCHS introduced code 042 for AIDS and 043-044 for other HIV disease deaths. Additional information on historical HIV coding can be found in the 1997 and 1998 Annual Summaries.	1987 to 1999
	AIDS was recognized as a cause of death and coded as ICD-9 code 279.1.	1983 to 1986
External Causes	External Causes were not shown separately.	Prior to 1990
Drug-related Deaths: ICD Coding	Errors in ICD-coding prior to 2007 effected the distribution of chronic and acute drug-related deaths in "Accidental" and "Chronic" Subsets of Drug deaths may not be comparable before and after 2007. Interpret trends with caution. See Technical Notes, 2007 for details.	2006-2008
Maternal Deaths and Maternal Mortality	Currently labeled "Maternal deaths" were "Complications of pregnancy, childbirth and the puerperium" prior to 1999.	Prior to 1999
Accidents (Unintentional)	The site of accidents (home and public place) has been dropped due to unreliable reporting.	Prior to 1999
	Complications of medical care and surgical care were classified as accidents per ICD-9.	Prior to 2000
World Trade Center Deaths	See Technical Notes, 2009 regarding late effect WTC-deaths.	2008-present
	In 2007, a 2002 death was reclassified as a WTC death. In 2008, a 2001 death was reclassified as a 2001 WTC death.	2007, 2008

	In 2008, a missing person was classified as a 2001 WTC death per New York State Supreme Court.	
	In 2002, the number of WTC deaths included in 2001 deaths was updated from 2,740 to 2,749. This new number included six additional death certificates filed through October 31, 2003 and three deaths that occurred outside of New York City (See 2002 Special Section for details).	2002
Fatal Occupational Injuries	The industry in which the decedent worked and was injured was coded based on the Standard Industrial Classification (SIC).	Prior to 2003
World Trade Center Deaths and Life Expectancy	Impact of World Trade Center deaths on life expectancy.	2002 (Special Section)
BIRTHS		
Mother's Marital Status	Mother's Marital Status was computed using an algorithm developed by NCHS. A 1996 review of marital status indicated that the number of non-marital births was being overestimated. See Special Note on Mother's Marital Status in the 1997 Annual Summary for details.	Prior to 1997
2008 Revised NYC Birth Certificate	For comprehensive information on the 2008 revision of the NYC birth certificate, please see the Technical Notes from the 2008 Summary of Vital Statistics http://www.nyc.gov/html/doh/downloads/pdf/vs/2008sum.pdf	2008
INDUCED AND SPONTANEOUS TERMINATION OF PREGNANCY		
Reporting	Late induced and spontaneous terminations of pregnancy received after the annual file closed were added to the following year's data.	Prior to 2008

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

The paper Birth, Spontaneous Termination, and Induced Termination Certificate forms are shown below. A birth or termination of pregnancy certificate must be filed for each pregnancy, regardless of gestational age attained.

Birth Certificate

The birth certificate comprises two parts: the certificate of birth and the confidential medical report of birth. The current revision of the birth certificate, implemented in 2008, is based on the recommended 2003 US Standard Certificate of Live Birth (http://www.cdc.gov/nchs/data/dvs/birth11-03final-ACC.pdf). The 2008 revision coincided with the January 2008 electronic filing requirement. For detailed information on birth certificate revisions, please see Technical Notes from the 2008 Summary of Vital Statistics (http://www.nyc.gov/html/doh/downloads/pdf/vs/2008sum.pdf.)

The certificate of birth is the legal record. Each certificate is authenticated by the medical provider (physician or midwife) or his or her representative and filed with the New York City Department of Health and Mental Hygiene.

The confidential medical report, used for the compilation of public health statistics and scientific purposes, includes 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 during, and immediately after, birth. These data are collected from the mother, the mother's and infant's medical records, and medical providers.

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 deaths (85%) are due to natural causes.
- Medical examiner certificate of death - When the cause of death is an accident, homicide, suicide, or is unattended or due to certain other circumstances (approximately 15% of deaths), the New York City Office of Chief Medical Examiner (OCME) completes the medical examiner certificate of death and supplementary report.

For natural cause certificates, the Electronic Vital Events Registration System's (EVERS) Electronic Death Registration System (EDRS) became available for voluntary use by hospitals in 2005. In January 2010, EDRS reporting became mandatory for medical examiner certificates. In April 2010, EDRS reporting became mandatory for hospitals reporting >25 deaths per year.

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 entered on the confidential medical report, the OCME certificate, and on the death 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 only.

Spontaneous termination of Pregnancy Certificate

Like 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.

Induced termination of Pregnancy Certificate

Induced certificate of pregnancy certificates are not issued. Data are collected 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 New York City Department of Health and Mental Hygiene 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.

Induced Termination of Pregnancy Certificate

Data collection for induced terminations of pregnancy are required to be completed and filed with the New York City Department of Health and Mental Hygiene 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.

VR-6S
(Rev. 12/09)

DATE FILED

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

CERTIFICATE OF BIRTH

CERTIFICATE 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 parent approved assignment of SSN for child? YES ☐ NO ☐

Mother/Parent's SSN: _____ Father/Parent's SSN: _____

Cert. No. _____

Place: _____

Died: Date: _____

1. NAME OF CHILD (First, Middle, Last)

2. SEX

3a. NUMBER DELIVERED of this pregnancy

3b. If more than one, number of this child in order of delivery

4a. DATE OF CHILD'S BIRTH (Month) (Day) (Year - yyyy)

4b. TIME ☐ AM ☐ PM

5. PLACE OF BIRTH

5a. NEW YORK CITY BOROUGH

5b. Name of Hospital or other facility (if not facility, street address)

5c. TYPE OF PLACE ☐ Hospital ☐ Freestanding Birthing Center ☐ Clinic/Doctor's Office ☐ Home Delivery: Planned to deliver at home? ☐ Yes ☐ No ☐ Unknown

☐ Other-specify: _____

6a. MOTHER/PARENT'S NAME (Prior to first marriage) (First, Middle, Last) SEX ___M ___F

6b. MOTHER/PARENT'S DATE OF BIRTH (Month) (Day) (Year - yyyy)

6c. MOTHER/PARENT'S BIRTHPLACE City & State or foreign country

7. MOTHER/PARENT'S USUAL RESIDENCE a. State b. County

7c. City or town

7d. Street and number Apt. No. ZIP Code

7e. Inside city limits of 7c? Yes ☐ No ☐

8a. FATHER/PARENT'S NAME (Prior to first marriage) (First, Middle, Last) SEX ___M ___F

8b. FATHER/PARENT'S DATE OF BIRTH (Month) (Day) (Year - yyyy)

8c. FATHER/PARENT'S BIRTHPLACE City & State or foreign country

9a. NAME OF ATTENDANT AT DELIVERY ☐ M.D. ☐ D.O. ☐ Lic. Midwife ☐ RPA ☐ R.N. ☐ Other-Specify _____

9b. I CERTIFY THAT THIS CHILD WAS BORN ALIVE AT THE PLACE, DATE AND TIME GIVEN ☐ M.D. ☐ D.O. ☐ Hosp. Admin. ☐ Lic. Midwife ☐ RPA ☐ R.N. ☐ Other-Specify _____

Signed _____

Name of Signer _____ (Type or Print)

Address _____

Date Signed _____, Year - yyyy _____

Mother/Parent's Current Legal Name (First, Middle, Last) _____

Address _____ Apt. _____

City _____ State _____ ZIP _____

VOID

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(Rev. 12/09)

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

(Each question MUST be answered)

CONFIDENTIAL MEDICAL REPORT OF BIRTH (1 of 2)

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

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

MOTHER'S/PARENT'S MEDICAL RECORD NO. _____ MOTHER'S/PARENT'S TELEPHONE NUMBERS: Day ( ) _____ Evening ( ) _____

10. PARENT'S RACE

Race as defined by the U.S. Census
(Check **one or more** to indicate what the parent considers her/himself to be)

a. Mother/Parent **b. Father/Parent**

☐ ..... White ..... ☐
☐ ..... Black or African American ..... ☐
☐ ..... American Indian or Alaska Native ..... ☐

Name of enrolled or principal tribe

_____ (Mother/Parent) _____ (Father/Parent)

☐ ..... Asian Indian ..... ☐
☐ ..... Chinese ..... ☐
☐ ..... Filipino ..... ☐
☐ ..... Japanese ..... ☐
☐ ..... Korean ..... ☐
☐ ..... Vietnamese ..... ☐
☐ ..... Other Asian ..... ☐

Specify

_____ (Mother/Parent) _____ (Father/Parent)

☐ ..... Native Hawaiian ..... ☐
☐ ..... Guamanian or Chamorro ..... ☐
☐ ..... Samoan ..... ☐
☐ ..... Other Pacific Islander ..... ☐

Specify

_____ (Mother/Parent) _____ (Father/Parent)

☐ ..... Other ..... ☐

Specify

_____ (Mother/Parent) _____ (Father/Parent)

11. PARENT'S ANCESTRY

(Check **one** box and specify what the parent considers her/himself to be)

a. Mother/Parent **b. Father/Parent**

Hispanic (Mexican, Puerto Rican,
☐ ..... Cuban, Dominican, etc.) ..... ☐

Specify

_____ (Mother/Parent) _____ (Father/Parent)

NOT Hispanic (Italian, African American,
Haitian, Pakistani, Ukranian,
☐ ..... Nigerian, Taiwanese, etc.) ..... ☐

Specify

_____ (Mother/Parent) _____ (Father/Parent)

12. PARENT'S LENGTH OF TIME IN US

a. Mother/Parent: If born outside of the United States, how long lived in U.S.?
years _____ **or** if < 1 yr, months _____

b. Father/Parent: If born outside of the United States, how long lived in U.S.?
years _____ **or** if < 1 yr, months _____

13. PARENT'S EDUCATION

(Check the box that best describes the highest degree or level of school completed at time of delivery)

a. Mother/Parent **b. Father/Parent**

☐ ..... 8th grade or less; none ..... ☐
☐ ..... 9th-12th grade, no diploma ..... ☐
☐ ..... High school graduate or GED ..... ☐
☐ ..... Some college credit, but no degree ..... ☐
☐ ..... Associate degree (e.g., AA, AS) ..... ☐
☐ ..... Bachelor's degree (e.g., BA, AB, BS) ..... ☐
☐ ..... Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) ..... ☐
☐ ..... Doctorate (e.g., PhD, EdD) ..... ☐
or Professional degree (e.g., MD, DDS, DVM, LLB, JD)

14. PARENT'S OCCUPATION

a. Was mother/parent employed during pregnancy? Yes ☐ No ☐

	1. Current/most recent occupation	2. Kind of busines or industry
b. Mother/Parent		
c. Father/Parent		

15. PRENATAL HISTORY

a. 1. Total Number of Previous Live Births _____ ☐ None
2. Number Born Alive and Now Living _____ ☐ None
3. Number Born Alive and Now Dead _____ ☐ None

b. Those born alive may have been Preterm, Low Birth Weight or both. Please indicate:
1. Number Preterm (< 37 wks.) _____ ☐ None
2. Number Low Birth Weight (< 2500 grams or 5 lbs. 8 oz.) _____ ☐ None

c. 1. Total Number of other Pregnancy Outcomes (Spontaneous or Induced Terminations): _____ ☐ None
2. Number of Spontaneous Terminations of Pregnancy less than 20 Weeks _____ ☐ None
3. Number of Spontaneous Terminations of Pregnancy 20 Weeks or More _____ ☐ None
4. Number of Induced Terminations of Pregnancy _____ ☐ None

d. Date of First Live Birth (mm/yyyy) ____/____
e. Date of Last Live Birth (mm/yyyy) ____/____
f. Date of Last other Pregnancy Outcome (mm/yyyy) ____/____
g. Date Last Normal Menses began (mm/dd/yyyy) ____/____/____

16. PRENATAL CARE

a. Total Number of Prenatal Visits for this Pregnancy
☐ None _____

b. Date of First Prenatal Care Visit
(mm/dd/yyyy) _____/_____/_____

c. Date of Last Prenatal Care Visit
(mm/dd/yyyy) _____/_____/_____

d. Primary Prenatal Care Provider Type
(Check **one**)
☐ MD/DO ☐ No Provider
☐ C(N)M/NP/PA/Other Midwife ☐ No Information
☐ Clinic ☐ Other

e. Risk Factors in this Pregnancy
(Check **all** that apply)
☐ Pre-pregnancy diabetes
☐ Gestational diabetes
☐ Pre-pregnancy hypertension
☐ Gestational hypertension
☐ Cardiac disease:
  ☐ Structural defect
  ☐ Functional defect
☐ Other serious chronic illness
☐ Anemia (Hct.<30/Hgb.<10)
☐ Asthma/Acute or chronic lung disease
☐ Rh sensitization
☐ Polyhydramnios
☐ Oligohydramnios
☐ Hemoglobinopathy
☐ Abruptio placenta
☐ Eclampsia
☐ Other previous poor pregnancy outcome
☐ Prelabor referral for high risk care
☐ Other vaginal bleeding
☐ Previous cesarean section: Number _____
☐ Infertility treatment:
  ☐ Fertility drugs, artificial/intrauterine insemination
  ☐ Assisted reproductive technology (e.g., IVF, GIFT)
  Number of embryos implanted (if applicable) _____
☐ Fetal reduction
☐ None of the above

f. Infections Present and/or Treated During Pregnancy
(Check **all** that apply)
☐ Gonorrhea ☐ Hepatitis C
☐ Syphilis ☐ Tuberculosis
☐ Herpes Simplex (HSV) ☐ Rubella
☐ Chlamydia ☐ Bacterial Vaginosis
☐ Hepatitis B ☐ None of the above

g. 1. Cigarette Smoking in the 3 Months Before or During Pregnancy?
☐ Yes ☐ No

If Yes, Average Number of Cigarettes or Packs/Day (enter 0 if None)

	Cigarettes **or** Packs/Day
2. 3 mo. before pregnancy	_____ **or** _____
3. First 3 mo. of pregnancy	_____ **or** _____
4. Second 3 mo. of pregnancy	_____ **or** _____
5. Third trimester of pregnancy	_____ **or** _____

h. Alcohol Use During This Pregnancy?
☐ Yes ☐ No

i. Illicit and other Drugs Used During This Pregnancy?
☐ Yes ☐ No
If yes, check **all** that apply
☐ Heroin ☐ Marijuana
☐ Cocaine ☐ Sedatives
☐ Methadone ☐ Tranquilizers
☐ Methamphetamine ☐ Anticonvulsants

j. Mother/Parent Pre-Pregnancy Weight _____ pounds

k. Mother/Parent Height _____ feet _____ inches

l. Obstetric Procedures
(Check **all** that apply)
☐ Cervical cerclage ☐ Fetal genetic testing
☐ Tocolysis ☐ None of the above
☐ External cephalic version:
  ☐ Successful
  ☐ Failed

m. If woman was 35 or over, was fetal genetic testing offered?
☐ Yes ☐ No, Too Late ☐ No, Other Reason

17. FINANCIAL COVERAGE

a. Primary Payor
(Check **one**)
☐ Medicaid/Family Health Plus ☐ Other
☐ Private Insurance ☐ Self-pay
☐ Other govt/CHPlusB ☐ Unknown
☐ CHAMPUS/TRICARE

b. Is the mother/parent enrolled in an HMO or other managed care plan?
☐ Yes ☐ No

c. Did mother/parent participate in WIC?
☐ Yes ☐ No

18. MATERNAL MORBIDITY

(Check **all** that apply)
☐ Maternal transfusion
☐ Perineal laceration (3rd or 4th degree)
☐ Ruptured uterus
☐ Unplanned hysterectomy
☐ Admit to ICU
☐ Unplanned operating room procedure following delivery
☐ Hemorrhage
☐ Postpartum transfer to a higher level of care
☐ None of the above

VR-6S
(Rev. 12/09)

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

(Each question MUST be answered)

CONFIDENTIAL MEDICAL REPORT OF BIRTH (2 of 2)

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

NAME OF CHILD _____ CERTIFICATE NO. _____

19. LABOR AND DELIVERY

a. If birth occured in hospital, was mother/parent transferred in before giving birth?

If yes, name of facility transferred from

☐ Yes _____

☐ No

b. Mother/Parent Weight at Delivery

_____ pounds

c. Onset of Labor
(Check **all** that apply)

☐ Prolonged rupture of membranes (12 hours or more)
☐ Prolonged labor (20 hours or more)
☐ Premature rupture of membranes (prior to labor)
☐ None of the above
☐ Precipitous labor (less than 3 hours)

d. Characteristics of Labor & Delivery
(Check **all** that apply)

☐ Induction of Labor-AROM
☐ Induction of Labor-Medicinal
☐ Augmentation of Labor
☐ Placenta previa
☐ Other excessive bleeding
☐ Steroids
☐ Antibiotics
☐ Chorioamnionitis
☐ Febrile (>100.4F or 38C)
☐ Meconium staining
☐ Fetal intolerance
☐ External electronic fetal monitor
☐ Internal electronic fetal monitor
☐ None of the above

e. 1. Anesthesia
(Check **all** that apply)

☐ Epidural
☐ General inhalation
☐ General intravenous
☐ Spinal
☐ Paracervical
☐ Pudendal
☐ Local
☐ None of the above

2. Complications from any of the above?

☐ Yes ☐ No

Method of Delivery

f. Fetal Presentation at Birth

☐ Cephalic
☐ Breech
☐ Other

g. Final route and method of delivery (Check **one**)

☐ Vaginal/Spontaneous
☐ Vaginal/Forceps
☐ Vaginal/Vacuum
☐ Cesarean

1. If cesarean, was trial of labor attempted?

☐ Yes ☐ No

2. Indications for C-Section ☐ Unknown
(Select **all** that apply)

☐ Failure to progress
☐ Malpresentation
☐ Previous C-Section
☐ Fetus at risk/NFS
☐ Maternal condition-not pregnancy related
☐ Maternal condition-pregnancy related
☐ Refused VBAC
☐ Elective
☐ Other

3. Was delivery with forceps attempted but unsuccessful?

☐ Yes ☐ No

4. Indications for Forceps ☐ Unknown
(Select **all** that apply)

☐ Failure to progress
☐ Fetus at Risk
☐ Other

5. Was delivery with vacuum extraction attempted but unsuccessful?

☐ Yes ☐ No

6. Indications for Vacuum ☐ Unknown
(Select **all** that apply)

☐ Failure to progress
☐ Fetus at Risk
☐ Other

h. Other Procedures Performed at Delivery (Check **all** that apply)

☐ Episiotomy & repair
☐ Sterilization
☐ Repair of lacerations
☐ None of the above

20. INFANT

a. Birthweight

_____ Pounds _____ Ounces **or** _____ Grams

b. If birth weight < 1250 grams (2 lbs. 12 oz.), reason(s) for delivery at a less than level III hospital: *(Only if applicable)*

☐ None ☐ Unknown at this time
(Select **all** that apply)

☐ Rapid/Advanced Labor
☐ Bleeding
☐ Fetus at Risk
☐ Severe pre-eclampsia
☐ Woman Refused Transfer
☐ Other-*specify* _____

c. Apgar Score at

1. 1 minute _____ **2.** 5 minutes _____ **3.** 10 minutes _____

d. Clinical Estimate of Gestation

Completed Weeks: _____

e. Infant Transferred

☐ Within 24 hours of Delivery ☐ After 24 hours ☐ Not Transferred

f. If transferred, name of facility transferred to:

_____

g. Abnormal Conditions of the Newborn
(Check **all** that apply)

☐ Assisted ventilation required immediately following delivery
☐ Assisted ventilation required for more than six hours
☐ NICU admission
☐ Newborn given surfactant replacement therapy
☐ Antibiotics received by the newborn for suspected neonatal sepsis
☐ Seizure or serious neurologic dysfunction
☐ Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention)
☐ None of the above

h. Hepatitis B Inoculation

1. Immunization administered?
☐ Yes Date: (mm/dd/yyyy) ____/____/____
☐ No

2. Immunoglobulin administered?
☐ Yes Date: (mm/dd/yyyy) ____/____/____
☐ No

i. Is infant living at time of report?

☐ Yes ☐ No

j. How is infant being fed? (Check **one**)

☐ Breast milk ☐ Both
☐ Formula ☐ Neither

Congenital Anomalies

k. Select all that apply	Yes	No	l. Diagnosed Prenatally? Yes	No	m. If Yes, please indicate all methods used:
1. Anencephaly	☐	☐	☐	☐	☐ Level II Ultrasound ☐ MSAFP/Triple Screen ☐ Amniocentesis ☐ Other ☐ Unknown
2. Meningomyelocele/ Spina Bifida	☐	☐	☐	☐	☐ Level II Ultrasound ☐ MSAFP/Triple Screen ☐ Amniocentesis ☐ Other ☐ Unknown
3. Cyanotic Congenital Heart Disease	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
4. Congenital Diaphragmatic Hernia	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
5. Omphalocele	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
6. Gastroschisis	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
7. Limb Reduction Defect	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
8. Cleft lip with or without Cleft Palate	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
9. Cleft Palate alone	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown
10. Down Syndrome ☐ Karyotype confirmed ☐ Karyotype pending	☐	☐	☐	☐	☐ Level II Ultrasound ☐ MSAFP/Triple Screen ☐ CVS ☐ Amniocentesis ☐ Other ☐ Unknown
11. Other Chromosomal Disorder ☐ Karyotype confirmed ☐ Karyotype pending	☐	☐	☐	☐	☐ Level II Ultrasound ☐ MSAFP/Triple Screen ☐ CVS ☐ Amniocentesis ☐ Other ☐ Unknown
12. Hypospadias	☐	☐	☐	☐	☐ Level II Ultrasound ☐ Other ☐ Unknown

13. None of those listed above ☐

DATE FILED THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

CERTIFICATE OF DEATH

Certificate No.

DOHMH USE ONLY

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

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

1. DECEDENT'S LEGAL NAME _____ (First, Middle, Last)

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 ❑ Hospital Inpatient
2 ❑ Emergency Dept./Outpatient
3 ❑ Dead on Arrival
4 ❑ Nursing Home/Long Term Care Facility
5 ❑ Hospice Facility
6 ❑ Decedent's Residence
7 ❑ Other Specify _____

2d. Any Hospice care in last 30 days
1 ❑ Yes
2 ❑ No
3 ❑ Unknown

2e. Name of hospital or other facility (if not facility, street address)

Date and Time of Death

3a. (Month) (Day) (Year-yyyy)

3b. Time ❑ AM ❑ 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 ❑ Yes 2 ❑ No

8. Date of Birth (Month) (Day) (Year-yyyy)

9. Age at last birthday (years) 1

Under 1 Year: Months 2 | Days 3

Under 1 Day: Hours 4 | Minutes 5

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 ❑ 8th grade or less; none
2 ❑ 9th – 12th grade; no diploma
3 ❑ High school graduate or GED
4 ❑ Some college credit, but no degree
5 ❑ Associate degree (e.g., AA, AS)
6 ❑ Bachelor's degree (e.g., BA, AB, BS)
7 ❑ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
8 ❑ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)

15. Ever in U.S. Armed Forces? 1 ❑ Yes 2 ❑ No

16. Marital/Partnership Status at time of death
1 ❑ Married
2 ❑ Domestic Partnership
3 ❑ Divorced
4 ❑ Married, but separated
5 ❑ Never Married
6 ❑ Widowed
7 ❑ Other, Specify _____
8 ❑ Unknown

17. Surviving Spouse's/Partner'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 ❑ Burial
2 ❑ Cremation
3 ❑ Entombment
4 ❑ City Cemetery
5 ❑ 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. 12/09)

To be filled in by **FUNERAL DIRECTOR** or, in case of City Burial, by Physician

Certificate No.

23. Ancestry (Check one box and specify)

❑ Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.)

Specify _____

❑ NOT Hispanic (Italian, African American, Haitian, 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 ❑ White
02 ❑ Black or African American
03 ❑ American Indian or Alaska Native (Name of enrolled or principal tribe) _____
04 ❑ Asian Indian
05 ❑ Chinese
06 ❑ Filipino
07 ❑ Japanese
08 ❑ Korean
09 ❑ Vietnamese
10 ❑ Other Asian–Specify _____
11 ❑ Native Hawaiian
12 ❑ Guamanian or Chamorro
13 ❑ Samoan
14 ❑ Other Pacific Islander–Specify _____
15 ❑ Other–Specify _____

DECEDENT'S LEGAL NAME (Type or Print)

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.

25. CAUSE OF DEATH – List only one cause on each line. DO NOT ABBREVIATE.

PART I		APPROXIMATE INTERVAL: ONSET TO DEATH
	a. IMMEDIATE CAUSE	
	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 ❑ Yes 2 ❑ No

26b. Were autopsy findings available to complete the cause of death? 1 ❑ Yes 2 ❑ No

27a. If Female
1 ❑ Not pregnant within 1 year of death
2 ❑ Pregnant at time of death
3 ❑ Not pregnant at death, but pregnant within 42 days of death
4 ❑ Not pregnant at death, but pregnant 43 days to 1 year before death
5 ❑ Unknown if pregnant within 1 year of death

27b. If pregnant within one year of death, outcome of pregnancy
1 ❑ Live Birth
2 ❑ Spontaneous Termination/ Ectopic Pregnancy
3 ❑ Induced Termination
4 ❑ None

27c. Date of Outcome

mm	dd	yyyy

28. Was this case referred to OCME? 1 ❑ Yes 2 ❑ No

29. Did tobacco use contribute to death? 1 ❑ Yes 2 ❑ No 3 ❑ Probably 4 ❑ 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. _____

DATE FILED THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

CERTIFICATE OF DEATH

Certificate No.

❑ New
❑ Corr/Amend
❑ Replacement

DOHMH USE ONLY

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

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

1. DECEDENT'S LEGAL NAME

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

MEDICAL CERTIFICATE OF DEATH (To be filled in by the OCME)

Place Of Death

2a. New York City
2b. Borough

2c. Type of Place
1 ❑ Hospital Inpatient
2 ❑ Emergency Dept./Outpatient
3 ❑ Dead on Arrival
4 ❑ Nursing Home/Long Term Care Facility
5 ❑ Hospice Facility
6 ❑ Decedent's Residence
7 ❑ 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 ❑ AM ❑ PM

4. Sex

5. OCME Case No.

6. CAUSE OF DEATH

PART I
a. Immediate cause
b. Due to or as a consequence of
c. Due to or as a consequence of

APPROXIMATE INTERVAL: ONSET TO DEATH

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 ❑ AM ❑ PM

7c. At Work 1 ❑ Yes 2 ❑ No

7d. Place of Injury – At home, factory, street, etc.

7e. Location

7f. How Injury Occurred

7g. If Transportation Injury Specify
❑ Driver/Operator ❑ Pedestrian
❑ Passenger
❑ Other Specify _____

8. Manner of Death
❑ Pending further study
❑ Natural ❑ Homicide
❑ Accident ❑ Suicide ❑ Undetermined

9. Autopsy
❑ Yes
❑ No Autopsy Pursuant to Law
❑ 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)

PERSONAL PARTICULARS (To be filled in by Funeral Director or, in case of City Burial, by OCME)

11a. Usual Residence State | 11b. County | 11c. City or Town | 11d. Street and Number Apt. No. ZIP Code | 11e. Inside City Limits? 1 ❑ Yes 2 ❑ 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 ❑ 8th grade or less; none
2 ❑ 9th – 12th grade; no diploma
3 ❑ High school graduate or GED
4 ❑ Some college credit, but no degree
5 ❑ Associate degree (e.g., AA, AS)
6 ❑ Bachelor's degree (e.g., BA, AB, BS)
7 ❑ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
8 ❑ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)

19. Ever in U.S. Armed Forces? 1 ❑ Yes 2 ❑ No

20. Marital Status at Time of Death
1 ❑ Married
2 ❑ Divorced
3 ❑ Married, but separated
4 ❑ Never married
5 ❑ Widowed
6 ❑ 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 ❑ Burial 2 ❑ Cremation 3 ❑ Entombment 4 ❑ City Cemetery
5 ❑ 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)

VR 16 (Rev. 01/03)

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THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

MEDICAL EXAMINER'S SUPPLEMENTARY REPORT

Certificate No.

To be filled in by **FUNERAL DIRECTOR** or, in case of City Burial, by OCME

27. Ancestry (Check one box and specify)
- ❑ Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.)

Specify _____

- ❑ 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 ❑ White
02 ❑ Black or African American
03 ❑ American Indian or Alaska Native (Name of enrolled or principal tribe)_____
04 ❑ Asian Indian
05 ❑ Chinese
06 ❑ Filipino
07 ❑ Japanese
08 ❑ Korean
09 ❑ Vietnamese
10 ❑ Other Asian–Specify _____
11 ❑ Native Hawaiian
12 ❑ Guamanian or Chamorro
13 ❑ Samoan
14 ❑ Other Pacific Islander–Specify _____
15 ❑ Other–Specify _____

DECEDENT'S LEGAL NAME (Type or Print)

29a. If Female
1 ❑ Not pregnant within 1 year of death
2 ❑ Pregnant at time of death
3 ❑ Not pregnant at death, but pregnant within 42 days of death
4 ❑ Not pregnant at death, but pregnant 43 days to 1 year before death
5 ❑ Unknown if pregnant within 1 year of death

29b. If pregnant within one year of death, outcome of pregnancy
1 ❑ Live Birth
2 ❑ Spontaneous Termination / Ectopic Pregnancy
3 ❑ Induced Termination
4 ❑ None

29c. Date of Outcome

mm	dd	yyyy

30. Did tobacco use contribute to death?
1 ❑ Yes 2 ❑ No 3 ❑ Probably 4 ❑ 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

_____ (Date) at _____ (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)

VR 17 (REV. 11/04)

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

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 ❑ Male ❑ Female ❑ 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	❑ AM ❑ PM

4. PLACE OF DELIVERY	4a. NEW YORK CITY BOROUGH OF	4b. Name of HOSPITAL (if not in institution street address)	4c. TYPE OF PLACE ❑ Hospital ❑ Home ❑ Birthing Center ❑ Other

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	e. Inside city limits of 6c? Yes ❑ No ❑

7a. FATHER'S FULL NAME	7b. FATHER'S DATE OF BIRTH (Month) (Day) (Year–yyyy)	7c. FATHER'S BIRTHPLACE City & State or foreign country

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.

R.N.
C.N.M.
Other Midwife
D.O.
M.D.

9. NAME OF ATTENDANT (AT) (AFTER) DELIVERY

R.N.
C.N.M.
Other Midwife
D.O.
M.D.

Signature _____

Name of Physician _____
(Type or Print)

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

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

VR 17 (REV. 11/04)

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 *specify*	11. Ancestry (African -American Chinese, Cuban, German Italian, Puerto Rican etc.)	12. Education (Record highest year completed) Elem/Secondary 0 - 12	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 ❑ Yes 0 ❑ No
FATHER	10b.	11b.	12b.		13b.	14b.	

16. Last Normal Menses Began Mo./Day/Yr-yyyy	17. Previous Pregnancies (Complete all sections)								
	a. Total Previous Pregnancies Number ____ None ❑	Born Alive: b. Now Living Number ____ None ❑	Born Alive: c. Now Dead Number ____ None ❑	Spontaneous Terminations: d. Under 13 Wks Number ____ None ❑	Spontaneous Terminations: e. 13 to 19 Wks Number ____ None ❑	Spontaneous Terminations: f. 20 Wks or more Number ____ None ❑	Induced Terminations: g. Under 13 Wks Number ____ None ❑	Induced Terminations: h. 13 to 19 Wks Number ____ None ❑	Induced Terminations: i. 20 Wks or more Number ____ None ❑

18. Weight at Delivery

_____lbs _____ ozs (1)

OR

_____ grams (2)

❑ Not Weighed (3)

19. Autopsy performed

1 ❑ Yes 2 ❑ No

20. Clinical Estimate of Gestation

_____Weeks

21. Fetus Died:

Before Labor | During Labor | At Delivery | Unknown

1 ❑ 2 ❑ 3 ❑ 4 ❑

22. This Termination of Pregnancy was caused by

PART 1

a. Immediate Cause _____

b. Due to _____

c. Due to _____

Fetal or Maternal

PART 2. Other significant conditions of conceptus or mother _____

FOR GESTATION OF 20 WEEKS OR MORE REMAINDER OF CERTIFICATE MUST BE COMPLETED

23. Pregnancy History	Date Month Year-yyyy
a. First Live Birth	
b. Last Live Birth	
c. Last Other Termination	

24. Prenatal Care

a. Date First Visit To Any Provider Month Day Year-yyyy

b. Providers *Check all that apply*

1 ❑ Hosp. 4 ❑ SHF
2 ❑ MIC 5 ❑ Pvt Phy
6 ❑ Other
3 ❑ Other Clinic

c. Total Number Of Visits to All Providers

0 ❑ NONE

25. Mother's Blood Group and Rh

26. Congenital Anomalies *Specify*

27a. Type of Anesthesia *Specify*

b. Type of Analgesia *Specify*

28. Primary Financial Coverage This Pregnancy
1 ❑ Medicaid
2 ❑ HMO
3 ❑ Other 3rd Party
4 ❑ Self

29. During This Pregnancy Did Mother Participate in:
1 ❑ WIC 4 ❑ AFDC
2 ❑ PCAP 5 ❑ Other
3 ❑ MOMS Specify _____
0 ❑ None

30. Mother Was
1 ❑ Private Physician's Patient
2 ❑ General Services Patient

31. Was Hospital Of This Delivery a:
1 ❑ Prelabor Referral for High Risk
2 ❑ Emergency Transfer Prior To Delivery
Specify Transfer From _____
0 ❑ Neither

32. MEDICAL RISK FACTORS FOR THIS PREGNANCY *(Check all that apply)*

01 ❑ Anemia (Hct. < 30/Hgb. < 10)
02 ❑ Cardiac disease
03 ❑ Acute or chronic lung disease
Diabetes
04 ❑ Gestational
05 ❑ Chronic
06 ❑ Genital herpes
07 ❑ Other STD
08 ❑ Hydramnios/Oligohydramnios
09 ❑ Hemoglobinopathy
10 ❑ Hepatitis
Hypertension
11 ❑ Chronic
12 ❑ Pregnancy-associated
13 ❑ Preeclampsia
14 ❑ Eclampsia
15 ❑ Incompetent cervix
16 ❑ Previous infant 4000 + grams
17 ❑ Previous preterm or small-for-gestational-age infant
18 ❑ Renal disease
19 ❑ Rh sensitization
Uterine bleeding
21 ❑ Trimester – 1
22 ❑ Trimester – 2
23 ❑ Trimester – 3
00 ❑ None
24 ❑ Other _____

33. OTHER RISK FACTORS FOR THIS PREGNANCY *(Check all that apply)*

a. Tobacco use during pregnancy 1 ❑ Yes ❑ No
Average number of cigarettes per day _____
Alcohol use during pregnancy 2 ❑ Yes ❑ No
Average number of drinks per week _____
Heroin 3 ❑ Yes ❑ No
Cocaine 4 ❑ Yes ❑ No
Methadone 5 ❑ Yes ❑ No
Marijuana 6 ❑ Yes ❑ No
Sedatives, Tranquilizers, Anticonvulsants
Specify _____ 7
Other Drugs
Specify _____ 8

0 ❑ None of the above

b. Weight
Prepregnancy Weight _____
Weight gained during pregnancy _____

c. Radiation exposure during pregnancy?
0 ❑ No 1 ❑ Yes
If yes specify Trimester and Type

34. Prior C-section
0 ❑ No 1 ❑ Yes

35. COMPLICATIONS OF LABOR AND/OR DELIVERY *(Check all that apply)*

01 ❑ Anesthetic complications
02 ❑ Abruptio placenta
03 ❑ Placenta previa
04 ❑ Other excessive bleeding
05 ❑ Cord Prolapse
06 ❑ Conditions of Cord
07 ❑ Fetal distress
08 ❑ Cephalopelvic disproportion
09 ❑ Chorioamnionitis
10 ❑ Meconium staining
11 ❑ Premature rupture of membranes (> 12 hours)
12 ❑ Seizures during labor
13 ❑ Precipitous labor (< 3 hours)
14 ❑ Prolonged labor (> 20 hours)
15 ❑ Failure to Progress
16 ❑ Breech/Malpresentation
17 ❑ Febrile (> 100°F. or > 38°C)
00 ❑ None
18 ❑ Other _____
Specify

36. METHOD OF DELIVERY *(Check all that apply)*

01 ❑ Vaginal
02 ❑ Vaginal after any prior C-section
03 ❑ Primary C-section
04 ❑ Repeat C-section
05 ❑ Breech Extraction
06 ❑ Mid Forceps
07 ❑ Low Forceps
08 ❑ Vacuum
09 ❑ Other, *Specify*

37. Indication for C-section *Specify*

38. OBSTETRIC PROCEDURES *(Check all that apply)*

a. Amniocentesis
01 ❑ Genetic
02 ❑ Maturity
03 ❑ Stress Test
04 ❑ Non Stress Test
Electronic Fetal Monitoring
05 ❑ Internal
06 ❑ External
07 ❑ Scalp Sampling
08 ❑ Tocolysis
09 ❑ Other
Specify _____
00 ❑ None

01 ❑ b. Induction
02 ❑ Stimulation
03 ❑ Both
00 ❑ Neither
Indication for Induction or Stimulation
Specify _____

c. Ultrasonography exams
Number _____
0 ❑ None

39 Other Procedures Performed at Delivery
Specify _____
0 ❑ None

DATE FILED
(For Health Dept. Use Only)

CERTIFICATE OF INDUCED TERMINATION OF PREGNANCY

Use this form *ONLY* for induced terminations whether surgical or medical

Only for scientific purposes approved by the Commissioner of Health and Mental Hygiene: not open to inspection or subject to subpoena

1. PLACE OF TERMINATION (Name and address of doctor's office, hospital, or other facility)

1 ❑ In-Patient 2 ❑ Out-Patient

CERTIFICATE NO.
(For Health Dept. Use Only)
156 —

2. DATE OF PROCEDURE FOR TERMINATION
Month _____ Day _____ Year–yyyy _____

INST.

3a. LAST NAME First Two Letters | b. FIRST NAME First Two Letters | 4. PATIENT'S DATE OF BIRTH Month | Day | Year–yyyy | 5. MARRIED 1 ❑ Yes 2 ❑ No

6. PATIENT'S USUAL RESIDENCE *(Check only one)*

B

a. NEW YORK CITY (*Check one*)
1 ❑ Manhattan
2 ❑ Bronx
3 ❑ Brooklyn
4 ❑ Queens
5 ❑ Staten Island
Patient's Zip Code _____

b. NEW YORK STATE OUTSIDE NEW YORK CITY (Including Nassau, Suffolk, Westchester)
6 ❑ Specify County _____
Specify City, Town, or Location _____

c. OUTSIDE NEW YORK STATE US City and State *(Specify)*
8 ❑ _____
OR
Foreign Country *(Specify)*
8 ❑ _____

R

7. PATIENT'S BIRTHPLACE (City & State OR Foreign Country)

8. PATIENT'S RACE ❑ White ❑ Black ❑ Asian ❑ Other _____

9. ANCESTRY (African-American, Chinese, Cuban, German, Italian, Puerto Rican, etc.)

A

10. EDUCATION (Record ONLY highest year completed)

E

Elem/Secondary 0–12	College 1–4 or 5+

11. PREVIOUS PREGNANCIES *(Complete all sections)*

Previous Pregnancies	BORN ALIVE		OTHER TERMINATIONS	
	NOW LIVING	NOW DEAD	SPONTANEOUS	INDUCED
a. None ❑	b. Number _____ None ❑	c. Number _____ None ❑	d. Number _____ None ❑	e. Number _____ None ❑

PRESENT TERMINATION

12. DATE LAST NORMAL MENSES BEGAN
Month _____ Day _____ Year–yyyy _____

13. CLINICAL ESTIMATE OF GESTATION
Weeks _____

14. SONOGRAM PERFORMED
1 ❑ Yes 2 ❑ No

15. PRIMARY FINANCIAL COVERAGE THIS TERMINATION *(Check only one)*
1 ❑ Medicaid 2 ❑ Other Insurance 3 ❑ Patient Pay

16. TYPE OF TERMINATION PROCEDURES *(Check only one)*

10 ❑ Suction Curettage
20 ❑ Sharp Curettage (D&C)
30 ❑ Dilation and Evacuation (D&E)
40 ❑ Intra-Uterine Instillation (Saline or Prostaglandin)
50 ❑ Hysterotomy/Hysterectomy
65 ❑ Medical (Nonsurgical)
Specify Medication(s) _____
80 ❑ Other *(Specify)* _____

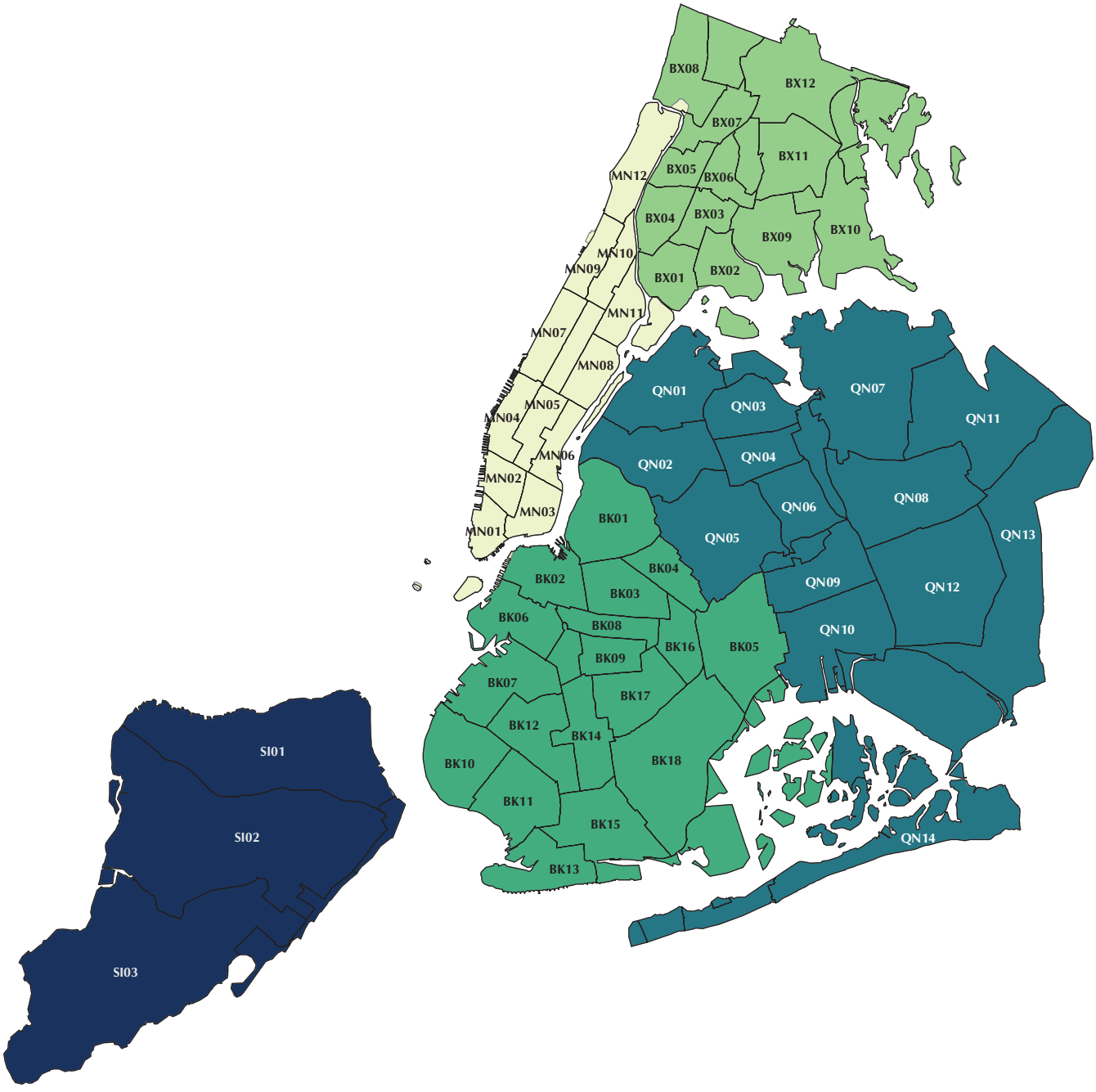
I HEREBY CERTIFY THAT I ATTENDED THIS PATIENT (AT) (AFTER) THIS TERMINATION AND THAT ALL THE FACTS STATED IN THIS CERTIFICATE ARE TRUE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

PHYSICIAN'S NAME, ADDRESS (*Type, Print, Stamp*)
❑ M.D.
❑ D.O.

PHYSICIAN'S SIGNATURE

DATE _____
(Month/Day/Year–yyyy)

Map Community Districts and Boroughs, New York City



New York City Department of Health and Mental Hygiene

Bureau of Vital Statistics

Michael R. Bloomberg, Mayor
Thomas Farley, MD, MPH, Commissioner

http://www.nyc.gov/health

December 2011